

|       |     |                                                |               |      |         |
|-------|-----|------------------------------------------------|---------------|------|---------|
| 10736 | AAA | IEEE 802.11ax (80MHz, MCS5, 99pc dc)           | WLAN          | 8.27 | ± 9.6 % |
| 10737 | AAA | IEEE 802.11ax (80MHz, MCS6, 99pc dc)           | WLAN          | 8.36 | ± 9.6 % |
| 10738 | AAA | IEEE 802.11ax (80MHz, MCS7, 99pc dc)           | WLAN          | 8.42 | ± 9.6 % |
| 10739 | AAA | IEEE 802.11ax (80MHz, MCS8, 99pc dc)           | WLAN          | 8.29 | ± 9.6 % |
| 10740 | AAA | IEEE 802.11ax (80MHz, MCS9, 99pc dc)           | WLAN          | 8.48 | ± 9.6 % |
| 10741 | AAA | IEEE 802.11ax (80MHz, MCS10, 99pc dc)          | WLAN          | 8.40 | ± 9.6 % |
| 10742 | AAA | IEEE 802.11ax (80MHz, MCS11, 99pc dc)          | WLAN          | 8.43 | ± 9.6 % |
| 10743 | AAA | IEEE 802.11ax (160MHz, MCS0, 90pc dc)          | WLAN          | 8.94 | ± 9.6 % |
| 10744 | AAA | IEEE 802.11ax (160MHz, MCS1, 90pc dc)          | WLAN          | 9.16 | ± 9.6 % |
| 10745 | AAA | IEEE 802.11ax (160MHz, MCS2, 90pc dc)          | WLAN          | 8.93 | ± 9.6 % |
| 10746 | AAA | IEEE 802.11ax (160MHz, MCS3, 90pc dc)          | WLAN          | 9.11 | ± 9.6 % |
| 10747 | AAA | IEEE 802.11ax (160MHz, MCS4, 90pc dc)          | WLAN          | 9.04 | ± 9.6 % |
| 10748 | AAA | IEEE 802.11ax (160MHz, MCS5, 90pc dc)          | WLAN          | 8.93 | ± 9.6 % |
| 10749 | AAA | IEEE 802.11ax (160MHz, MCS6, 90pc dc)          | WLAN          | 8.90 | ± 9.6 % |
| 10750 | AAA | IEEE 802.11ax (160MHz, MCS7, 90pc dc)          | WLAN          | 8.79 | ± 9.6 % |
| 10751 | AAA | IEEE 802.11ax (160MHz, MCS8, 90pc dc)          | WLAN          | 8.82 | ± 9.6 % |
| 10752 | AAA | IEEE 802.11ax (160MHz, MCS9, 90pc dc)          | WLAN          | 8.81 | ± 9.6 % |
| 10753 | AAA | IEEE 802.11ax (160MHz, MCS10, 90pc dc)         | WLAN          | 9.00 | ± 9.6 % |
| 10754 | AAA | IEEE 802.11ax (160MHz, MCS11, 90pc dc)         | WLAN          | 8.94 | ± 9.6 % |
| 10755 | AAA | IEEE 802.11ax (160MHz, MCS0, 99pc dc)          | WLAN          | 8.64 | ± 9.6 % |
| 10756 | AAA | IEEE 802.11ax (160MHz, MCS1, 99pc dc)          | WLAN          | 8.77 | ± 9.6 % |
| 10757 | AAA | IEEE 802.11ax (160MHz, MCS2, 99pc dc)          | WLAN          | 8.77 | ± 9.6 % |
| 10758 | AAA | IEEE 802.11ax (160MHz, MCS3, 99pc dc)          | WLAN          | 8.69 | ± 9.6 % |
| 10759 | AAA | IEEE 802.11ax (160MHz, MCS4, 99pc dc)          | WLAN          | 8.58 | ± 9.6 % |
| 10760 | AAA | IEEE 802.11ax (160MHz, MCS5, 99pc dc)          | WLAN          | 8.49 | ± 9.6 % |
| 10761 | AAA | IEEE 802.11ax (160MHz, MCS6, 99pc dc)          | WLAN          | 8.58 | ± 9.6 % |
| 10762 | AAA | IEEE 802.11ax (160MHz, MCS7, 99pc dc)          | WLAN          | 8.49 | ± 9.6 % |
| 10763 | AAA | IEEE 802.11ax (160MHz, MCS8, 99pc dc)          | WLAN          | 8.53 | ± 9.6 % |
| 10764 | AAA | IEEE 802.11ax (160MHz, MCS9, 99pc dc)          | WLAN          | 8.54 | ± 9.6 % |
| 10765 | AAA | IEEE 802.11ax (160MHz, MCS10, 99pc dc)         | WLAN          | 8.54 | ± 9.6 % |
| 10766 | AAA | IEEE 802.11ax (160MHz, MCS11, 99pc dc)         | WLAN          | 8.51 | ± 9.6 % |
| 10767 | AAC | 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)     | 5G NR FR1 TDD | 7.99 | ± 9.6 % |
| 10768 | AAC | 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)    | 5G NR FR1 TDD | 8.01 | ± 9.6 % |
| 10769 | AAC | 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)    | 5G NR FR1 TDD | 8.01 | ± 9.6 % |
| 10770 | AAC | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)    | 5G NR FR1 TDD | 8.02 | ± 9.6 % |
| 10771 | AAC | 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)    | 5G NR FR1 TDD | 8.02 | ± 9.6 % |
| 10772 | AAC | 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)    | 5G NR FR1 TDD | 8.23 | ± 9.6 % |
| 10773 | AAC | 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)    | 5G NR FR1 TDD | 8.03 | ± 9.6 % |
| 10774 | AAC | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)    | 5G NR FR1 TDD | 8.02 | ± 9.6 % |
| 10775 | AAB | 5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)   | 5G NR FR1 TDD | 8.31 | ± 9.6 % |
| 10776 | AAC | 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.30 | ± 9.6 % |
| 10777 | AAB | 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.30 | ± 9.6 % |
| 10778 | AAC | 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.34 | ± 9.6 % |
| 10779 | AAB | 5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.42 | ± 9.6 % |
| 10780 | AAC | 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.38 | ± 9.6 % |
| 10781 | AAC | 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.38 | ± 9.6 % |
| 10782 | AAC | 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.43 | ± 9.6 % |
| 10783 | AAC | 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.31 | ± 9.6 % |
| 10784 | AAC | 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.29 | ± 9.6 % |
| 10785 | AAC | 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.40 | ± 9.6 % |
| 10786 | AAC | 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.35 | ± 9.6 % |
| 10787 | AAC | 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.44 | ± 9.6 % |
| 10788 | AAC | 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.39 | ± 9.6 % |
| 10789 | AAC | 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.37 | ± 9.6 % |
| 10790 | AAC | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.39 | ± 9.6 % |
| 10791 | AAC | 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 7.83 | ± 9.6 % |
| 10792 | AAC | 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 7.92 | ± 9.6 % |
| 10793 | AAC | 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 7.95 | ± 9.6 % |
| 10794 | AAC | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 7.82 | ± 9.6 % |
| 10795 | AAC | 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 7.84 | ± 9.6 % |
| 10796 | AAC | 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 7.82 | ± 9.6 % |
| 10797 | AAC | 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 8.01 | ± 9.6 % |
| 10798 | AAC | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 7.89 | ± 9.6 % |
| 10799 | AAC | 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 7.93 | ± 9.6 % |

|       |     |                                                      |               |      |         |
|-------|-----|------------------------------------------------------|---------------|------|---------|
| 10801 | AAC | 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)          | 5G NR FR1 TDD | 7.89 | ± 9.6 % |
| 10802 | AAC | 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)          | 5G NR FR1 TDD | 7.87 | ± 9.6 % |
| 10803 | AAC | 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)         | 5G NR FR1 TDD | 7.93 | ± 9.6 % |
| 10805 | AAC | 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)        | 5G NR FR1 TDD | 8.34 | ± 9.6 % |
| 10806 | AAC | 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)        | 5G NR FR1 TDD | 8.37 | ± 9.6 % |
| 10809 | AAC | 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)        | 5G NR FR1 TDD | 8.34 | ± 9.6 % |
| 10810 | AAC | 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)        | 5G NR FR1 TDD | 8.34 | ± 9.6 % |
| 10812 | AAC | 5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)        | 5G NR FR1 TDD | 8.35 | ± 9.6 % |
| 10817 | AAC | 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)        | 5G NR FR1 TDD | 8.35 | ± 9.6 % |
| 10818 | AAC | 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD | 8.34 | ± 9.6 % |
| 10819 | AAC | 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD | 8.33 | ± 9.6 % |
| 10820 | AAC | 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD | 8.30 | ± 9.6 % |
| 10821 | AAC | 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD | 8.41 | ± 9.6 % |
| 10822 | AAC | 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD | 8.41 | ± 9.6 % |
| 10823 | AAC | 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD | 8.36 | ± 9.6 % |
| 10824 | AAC | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD | 8.39 | ± 9.6 % |
| 10825 | AAC | 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD | 8.41 | ± 9.6 % |
| 10827 | AAC | 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD | 8.42 | ± 9.6 % |
| 10828 | AAC | 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD | 8.43 | ± 9.6 % |
| 10829 | AAC | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)      | 5G NR FR1 TDD | 8.40 | ± 9.6 % |
| 10830 | AAC | 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)          | 5G NR FR1 TDD | 7.63 | ± 9.6 % |
| 10831 | AAC | 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)          | 5G NR FR1 TDD | 7.73 | ± 9.6 % |
| 10832 | AAC | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)          | 5G NR FR1 TDD | 7.74 | ± 9.6 % |
| 10833 | AAC | 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)          | 5G NR FR1 TDD | 7.70 | ± 9.6 % |
| 10834 | AAC | 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)          | 5G NR FR1 TDD | 7.75 | ± 9.6 % |
| 10835 | AAC | 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)          | 5G NR FR1 TDD | 7.70 | ± 9.6 % |
| 10836 | AAC | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)          | 5G NR FR1 TDD | 7.66 | ± 9.6 % |
| 10837 | AAC | 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)          | 5G NR FR1 TDD | 7.68 | ± 9.6 % |
| 10839 | AAC | 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)          | 5G NR FR1 TDD | 7.70 | ± 9.6 % |
| 10840 | AAC | 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)          | 5G NR FR1 TDD | 7.67 | ± 9.6 % |
| 10841 | AAC | 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)         | 5G NR FR1 TDD | 7.71 | ± 9.6 % |
| 10843 | AAC | 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)        | 5G NR FR1 TDD | 8.49 | ± 9.6 % |
| 10844 | AAC | 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)        | 5G NR FR1 TDD | 8.34 | ± 9.6 % |
| 10846 | AAC | 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)        | 5G NR FR1 TDD | 8.41 | ± 9.6 % |
| 10854 | AAC | 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)       | 5G NR FR1 TDD | 8.34 | ± 9.6 % |
| 10855 | AAC | 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)       | 5G NR FR1 TDD | 8.36 | ± 9.6 % |
| 10856 | AAC | 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)       | 5G NR FR1 TDD | 8.37 | ± 9.6 % |
| 10857 | AAC | 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)       | 5G NR FR1 TDD | 8.35 | ± 9.6 % |
| 10858 | AAC | 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)       | 5G NR FR1 TDD | 8.36 | ± 9.6 % |
| 10859 | AAC | 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)       | 5G NR FR1 TDD | 8.34 | ± 9.6 % |
| 10860 | AAC | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)       | 5G NR FR1 TDD | 8.41 | ± 9.6 % |
| 10861 | AAC | 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)       | 5G NR FR1 TDD | 8.40 | ± 9.6 % |
| 10863 | AAC | 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)       | 5G NR FR1 TDD | 8.41 | ± 9.6 % |
| 10864 | AAC | 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)       | 5G NR FR1 TDD | 8.37 | ± 9.6 % |
| 10865 | AAC | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)      | 5G NR FR1 TDD | 8.41 | ± 9.6 % |
| 10866 | AAC | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)      | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10868 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.89 | ± 9.6 % |
| 10869 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)     | 5G NR FR2 TDD | 5.75 | ± 9.6 % |
| 10870 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)  | 5G NR FR2 TDD | 5.86 | ± 9.6 % |
| 10871 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)    | 5G NR FR2 TDD | 5.75 | ± 9.6 % |
| 10872 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 6.52 | ± 9.6 % |
| 10873 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)    | 5G NR FR2 TDD | 6.61 | ± 9.6 % |
| 10874 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 6.65 | ± 9.6 % |
| 10875 | AAD | 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)        | 5G NR FR2 TDD | 7.78 | ± 9.6 % |
| 10876 | AAD | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)     | 5G NR FR2 TDD | 8.39 | ± 9.6 % |
| 10877 | AAD | 5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)       | 5G NR FR2 TDD | 7.95 | ± 9.6 % |
| 10878 | AAD | 5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)    | 5G NR FR2 TDD | 8.41 | ± 9.6 % |
| 10879 | AAD | 5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)       | 5G NR FR2 TDD | 8.12 | ± 9.6 % |
| 10880 | AAD | 5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)    | 5G NR FR2 TDD | 8.38 | ± 9.6 % |
| 10881 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)      | 5G NR FR2 TDD | 5.75 | ± 9.6 % |
| 10882 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)   | 5G NR FR2 TDD | 5.96 | ± 9.6 % |
| 10883 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)     | 5G NR FR2 TDD | 6.57 | ± 9.6 % |
| 10884 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)  | 5G NR FR2 TDD | 6.53 | ± 9.6 % |
| 10885 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)     | 5G NR FR2 TDD | 6.61 | ± 9.6 % |

|       |     |                                                     |               |      |         |
|-------|-----|-----------------------------------------------------|---------------|------|---------|
| 10886 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 6.65 | ± 9.6 % |
| 10887 | AAD | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)        | 5G NR FR2 TDD | 7.78 | ± 9.6 % |
| 10888 | AAD | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)     | 5G NR FR2 TDD | 8.35 | ± 9.6 % |
| 10889 | AAD | 5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)       | 5G NR FR2 TDD | 8.02 | ± 9.6 % |
| 10890 | AAD | 5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)    | 5G NR FR2 TDD | 8.40 | ± 9.6 % |
| 10891 | AAD | 5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)       | 5G NR FR2 TDD | 8.13 | ± 9.6 % |
| 10892 | AAD | 5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)    | 5G NR FR2 TDD | 8.41 | ± 9.6 % |
| 10897 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD | 5.66 | ± 9.6 % |
| 10898 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)      | 5G NR FR1 TDD | 5.67 | ± 9.6 % |
| 10899 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)      | 5G NR FR1 TDD | 5.67 | ± 9.6 % |
| 10900 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)      | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10901 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)      | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10902 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)      | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10903 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)      | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10904 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)      | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10905 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)      | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10906 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)      | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10907 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 5.78 | ± 9.6 % |
| 10908 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 5.93 | ± 9.6 % |
| 10909 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 5.96 | ± 9.6 % |
| 10910 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 5.83 | ± 9.6 % |
| 10911 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 5.93 | ± 9.6 % |
| 10912 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 5.84 | ± 9.6 % |
| 10913 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 5.84 | ± 9.6 % |
| 10914 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 5.85 | ± 9.6 % |
| 10915 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 5.83 | ± 9.6 % |
| 10916 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 5.87 | ± 9.6 % |
| 10917 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.94 | ± 9.6 % |
| 10918 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 5.86 | ± 9.6 % |
| 10919 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.86 | ± 9.6 % |
| 10920 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.87 | ± 9.6 % |
| 10921 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.84 | ± 9.6 % |
| 10922 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.82 | ± 9.6 % |
| 10923 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.84 | ± 9.6 % |
| 10924 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.84 | ± 9.6 % |
| 10925 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.95 | ± 9.6 % |
| 10926 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.84 | ± 9.6 % |
| 10927 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.94 | ± 9.6 % |
| 10928 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)       | 5G NR FR1 FDD | 5.52 | ± 9.6 % |
| 10929 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)      | 5G NR FR1 FDD | 5.52 | ± 9.6 % |
| 10930 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)      | 5G NR FR1 FDD | 5.52 | ± 9.6 % |
| 10931 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)      | 5G NR FR1 FDD | 5.51 | ± 9.6 % |
| 10932 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)      | 5G NR FR1 FDD | 5.51 | ± 9.6 % |
| 10933 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)      | 5G NR FR1 FDD | 5.51 | ± 9.6 % |
| 10934 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)      | 5G NR FR1 FDD | 5.51 | ± 9.6 % |
| 10935 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)      | 5G NR FR1 FDD | 5.51 | ± 9.6 % |
| 10936 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)     | 5G NR FR1 FDD | 5.90 | ± 9.6 % |
| 10937 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)    | 5G NR FR1 FDD | 5.77 | ± 9.6 % |
| 10938 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)    | 5G NR FR1 FDD | 5.90 | ± 9.6 % |
| 10939 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)    | 5G NR FR1 FDD | 5.82 | ± 9.6 % |
| 10940 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)    | 5G NR FR1 FDD | 5.89 | ± 9.6 % |
| 10941 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)    | 5G NR FR1 FDD | 5.83 | ± 9.6 % |
| 10942 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)    | 5G NR FR1 FDD | 5.85 | ± 9.6 % |
| 10943 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)    | 5G NR FR1 FDD | 5.95 | ± 9.6 % |
| 10944 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)    | 5G NR FR1 FDD | 5.81 | ± 9.6 % |
| 10945 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.85 | ± 9.6 % |
| 10946 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.83 | ± 9.6 % |
| 10947 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.87 | ± 9.6 % |
| 10948 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.94 | ± 9.6 % |
| 10949 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.87 | ± 9.6 % |
| 10950 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.94 | ± 9.6 % |
| 10951 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.92 | ± 9.6 % |
| 10952 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)   | 5G NR FR1 FDD | 8.25 | ± 9.6 % |
| 10953 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 FDD | 8.15 | ± 9.6 % |

|       |     |                                                     |               |      |         |
|-------|-----|-----------------------------------------------------|---------------|------|---------|
| 10954 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 FDD | 8.23 | ± 9.6 % |
| 10955 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 FDD | 8.42 | ± 9.6 % |
| 10956 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)   | 5G NR FR1 FDD | 8.14 | ± 9.6 % |
| 10957 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 FDD | 8.31 | ± 9.6 % |
| 10958 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 FDD | 8.61 | ± 9.6 % |
| 10959 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 FDD | 8.33 | ± 9.6 % |
| 10960 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)   | 5G NR FR1 TDD | 9.32 | ± 9.6 % |
| 10961 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 TDD | 9.36 | ± 9.6 % |
| 10962 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 TDD | 9.40 | ± 9.6 % |
| 10963 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 TDD | 9.55 | ± 9.6 % |
| 10964 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)   | 5G NR FR1 TDD | 9.29 | ± 9.6 % |
| 10965 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 TDD | 9.37 | ± 9.6 % |
| 10966 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 TDD | 9.55 | ± 9.6 % |
| 10967 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 TDD | 9.42 | ± 9.6 % |
| 10968 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.49 | ± 9.6 % |

<sup>E</sup> Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.



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***Appendix E. Conducted RF Output Power Table***

The detailed power table are shown as follows.

## Full Power Mode

| GSM850          | Burst Average Power (dBm) |       |       | Tune-up<br>Limit<br>(dBm) | Frame-Average Power (dBm) |       |       | Tune-up<br>Limit<br>(dBm) |
|-----------------|---------------------------|-------|-------|---------------------------|---------------------------|-------|-------|---------------------------|
|                 | 128                       | 189   | 251   |                           | 128                       | 189   | 251   |                           |
| TX Channel      | 824.2                     | 836.4 | 848.8 |                           | 824.2                     | 836.4 | 848.8 |                           |
| Frequency (MHz) |                           |       |       |                           |                           |       |       |                           |
| GSM 1 Tx slot   | 32.78                     | 32.63 | 32.60 | 33.50                     | 23.78                     | 23.63 | 23.60 | 24.50                     |
| GPRS 1 Tx slot  | 32.77                     | 32.62 | 32.58 | 33.50                     | 23.77                     | 23.62 | 23.58 | 24.50                     |
| GPRS 2 Tx slots | 30.95                     | 31.05 | 30.91 | 31.50                     | 24.95                     | 25.05 | 24.91 | 25.50                     |
| GPRS 3 Tx slots | 30.39                     | 30.27 | 30.14 | 31.00                     | 26.13                     | 26.01 | 25.88 | 26.74                     |
| GPRS 4 Tx slots | 28.53                     | 28.45 | 28.55 | 29.50                     | 25.53                     | 25.45 | 25.55 | 26.50                     |
| EDGE 1 Tx slot  | 26.91                     | 27.05 | 26.96 | 27.50                     | 17.91                     | 18.05 | 17.96 | 18.50                     |
| EDGE 2 Tx slots | 25.73                     | 25.93 | 25.98 | 26.50                     | 19.73                     | 19.93 | 19.88 | 20.50                     |
| EDGE 3 Tx slots | 24.21                     | 24.29 | 24.27 | 24.50                     | 19.95                     | 20.03 | 20.01 | 20.24                     |
| EDGE 4 Tx slots | 22.56                     | 22.51 | 22.52 | 23.50                     | 19.56                     | 19.51 | 19.52 | 20.50                     |

| GSM1900         | Burst Average Power (dBm) |       |        | Tune-up<br>Limit<br>(dBm) | Frame-Average Power (dBm) |       |        | Tune-up<br>Limit<br>(dBm) |
|-----------------|---------------------------|-------|--------|---------------------------|---------------------------|-------|--------|---------------------------|
|                 | 512                       | 661   | 810    |                           | 512                       | 661   | 810    |                           |
| TX Channel      | 1852.2                    | 1850  | 1859.8 |                           | 1852.2                    | 1850  | 1859.8 |                           |
| Frequency (MHz) |                           |       |        |                           |                           |       |        |                           |
| GSM 1 Tx slot   | 29.86                     | 29.81 | 29.94  | 30.50                     | 20.86                     | 20.81 | 20.94  | 21.50                     |
| GPRS 1 Tx slot  | 29.85                     | 29.79 | 29.93  | 30.50                     | 20.85                     | 20.79 | 20.93  | 21.50                     |
| GPRS 2 Tx slots | 28.99                     | 29.01 | 29.10  | 29.50                     | 22.99                     | 23.01 | 23.10  | 23.50                     |
| GPRS 3 Tx slots | 27.58                     | 27.61 | 27.71  | 28.00                     | 23.32                     | 23.35 | 23.45  | 23.74                     |
| GPRS 4 Tx slots | 25.96                     | 26.06 | 26.20  | 26.50                     | 22.96                     | 23.06 | 23.20  | 23.50                     |
| EDGE 1 Tx slot  | 26.75                     | 26.82 | 26.93  | 27.50                     | 17.75                     | 17.82 | 17.93  | 18.50                     |
| EDGE 2 Tx slots | 25.31                     | 25.34 | 25.42  | 25.50                     | 19.31                     | 19.34 | 19.42  | 19.50                     |
| EDGE 3 Tx slots | 24.14                     | 24.23 | 24.31  | 24.50                     | 19.88                     | 19.97 | 20.05  | 20.24                     |
| EDGE 4 Tx slots | 22.16                     | 22.14 | 22.22  | 22.50                     | 19.16                     | 19.14 | 19.22  | 19.50                     |

| Band            |                    | WCDMA II |       |        | Tune-up<br>Limit<br>(dBm) | WCDMA IV |        |        | Tune-up<br>Limit<br>(dBm) | WCDMA V |       |       | Tune-up<br>Limit<br>(dBm) |
|-----------------|--------------------|----------|-------|--------|---------------------------|----------|--------|--------|---------------------------|---------|-------|-------|---------------------------|
|                 |                    | 9262     | 9400  | 9538   |                           | 1312     | 1413   | 1513   |                           | 4132    | 4182  | 4233  |                           |
| TX Channel      |                    | 9662     | 9800  | 9938   |                           | 1537     | 1638   | 1738   |                           | 4357    | 4407  | 4458  |                           |
| Rx Channel      |                    | 1852.4   | 1880  | 1907.6 |                           | 1712.4   | 1732.6 | 1752.6 |                           | 826.4   | 836.4 | 846.6 |                           |
| Frequency (MHz) |                    |          |       |        |                           |          |        |        |                           |         |       |       |                           |
| 3GPP Rel 99     | AMR 12.2Kbps       | 22.63    | 22.74 | 22.70  | 24.00                     | 22.35    | 22.40  | 22.31  | 24.00                     | 22.56   | 22.50 | 22.54 | 24.00                     |
| 3GPP Rel 99     | AMR 12.2Kbps       | 22.64    | 22.76 | 22.71  | 24.00                     | 22.36    | 22.42  | 22.33  | 24.00                     | 22.58   | 22.51 | 22.56 | 24.00                     |
| 3GPP Rel 6      | HSDPA Subtest-1    | 22.28    | 22.36 | 22.19  | 23.00                     | 22.23    | 22.28  | 22.24  | 23.00                     | 22.38   | 22.30 | 22.34 | 23.00                     |
| 3GPP Rel 6      | HSDPA Subtest-2    | 22.32    | 22.07 | 22.19  | 23.00                     | 22.18    | 22.35  | 22.26  | 23.00                     | 22.41   | 22.31 | 22.40 | 23.00                     |
| 3GPP Rel 6      | HSDPA Subtest-3    | 21.81    | 21.46 | 21.68  | 22.50                     | 21.77    | 21.78  | 21.73  | 22.50                     | 21.95   | 21.86 | 21.86 | 22.50                     |
| 3GPP Rel 6      | HSDPA Subtest-4    | 21.79    | 21.45 | 21.76  | 22.50                     | 21.73    | 21.76  | 21.76  | 22.50                     | 21.93   | 21.84 | 21.86 | 22.50                     |
| 3GPP Rel 8      | DC-HSDPA Subtest-1 | 22.16    | 22.31 | 22.14  | 23.00                     | 22.20    | 22.22  | 22.18  | 23.00                     | 22.32   | 22.25 | 22.29 | 23.00                     |
| 3GPP Rel 8      | DC-HSDPA Subtest-2 | 22.24    | 21.99 | 22.10  | 23.00                     | 22.12    | 22.30  | 22.21  | 23.00                     | 22.38   | 22.28 | 22.28 | 23.00                     |
| 3GPP Rel 8      | DC-HSDPA Subtest-3 | 21.67    | 21.38 | 21.56  | 22.50                     | 21.61    | 21.72  | 21.64  | 22.50                     | 21.90   | 21.82 | 21.73 | 22.50                     |
| 3GPP Rel 8      | DC-HSDPA Subtest-4 | 21.70    | 21.39 | 21.63  | 22.50                     | 21.58    | 21.68  | 21.72  | 22.50                     | 21.87   | 21.75 | 21.81 | 22.50                     |
| 3GPP Rel 6      | HSUPA Subtest-1    | 22.29    | 22.28 | 22.20  | 23.00                     | 21.96    | 22.07  | 22.02  | 23.00                     | 22.38   | 22.29 | 22.28 | 23.00                     |
| 3GPP Rel 6      | HSUPA Subtest-2    | 20.26    | 20.36 | 20.21  | 21.00                     | 20.04    | 20.10  | 20.03  | 21.00                     | 20.36   | 20.32 | 20.25 | 21.00                     |
| 3GPP Rel 6      | HSUPA Subtest-3    | 21.30    | 21.37 | 21.19  | 22.00                     | 20.98    | 21.03  | 21.02  | 22.00                     | 21.38   | 21.27 | 21.32 | 22.00                     |
| 3GPP Rel 6      | HSUPA Subtest-4    | 20.24    | 20.33 | 20.18  | 21.00                     | 20.01    | 20.03  | 20.04  | 21.00                     | 20.36   | 20.27 | 20.29 | 21.00                     |
| 3GPP Rel 6      | HSUPA Subtest-5    | 22.20    | 22.40 | 22.20  | 23.00                     | 22.00    | 22.10  | 22.00  | 23.00                     | 22.40   | 22.30 | 22.30 | 23.00                     |

| Band 2 (1900MHz Band) |            |         |           |                       |                          |                        |                     |          |  |
|-----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| Part 24E              |            |         |           |                       |                          |                        |                     |          |  |
| 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               |            |         |           | 18700                 | 18700                    | 19100                  |                     |          |  |
| Frequency (MHz)       |            |         |           | 1860                  | 1880                     | 1900                   |                     |          |  |
| 20                    | QPSK       | 1       | 0         | 22.91                 | 22.98                    | 22.96                  | 24                  | 0        |  |
| 20                    | QPSK       | 1       | 49        | 22.88                 | 22.86                    | 22.89                  |                     |          |  |
| 20                    | QPSK       | 1       | 99        | 22.96                 | 22.91                    | 22.90                  |                     |          |  |
| 20                    | QPSK       | 50      | 0         | 21.88                 | 21.96                    | 21.92                  |                     |          |  |
| 20                    | QPSK       | 50      | 24        | 21.92                 | 21.90                    | 21.92                  | 23                  | 1        |  |
| 20                    | QPSK       | 50      | 50        | 21.95                 | 21.84                    | 21.87                  |                     |          |  |
| 20                    | QPSK       | 100     | 0         | 21.96                 | 21.98                    | 21.90                  |                     |          |  |
| 20                    | 16QAM      | 1       | 0         | 22.34                 | 22.33                    | 22.33                  |                     |          |  |
| 20                    | 16QAM      | 1       | 49        | 22.27                 | 22.30                    | 22.31                  | 23                  | 1        |  |
| 20                    | 16QAM      | 1       | 99        | 22.23                 | 22.31                    | 22.31                  |                     |          |  |
| 20                    | 16QAM      | 50      | 0         | 21.04                 | 21.01                    | 21.04                  |                     |          |  |
| 20                    | 16QAM      | 50      | 24        | 21.08                 | 21.07                    | 21.08                  |                     |          |  |
| 20                    | 16QAM      | 50      | 50        | 21.11                 | 21.01                    | 20.99                  | 22                  | 2        |  |
| 20                    | 16QAM      | 100     | 0         | 21.10                 | 20.95                    | 21.02                  |                     |          |  |
| 20                    | 64QAM      | 1       | 0         | 21.27                 | 21.19                    | 21.23                  |                     |          |  |
| 20                    | 64QAM      | 1       | 49        | 21.17                 | 21.22                    | 21.16                  |                     |          |  |
| 20                    | 64QAM      | 1       | 99        | 21.23                 | 21.25                    | 21.13                  | 22                  | 2        |  |
| 20                    | 64QAM      | 50      | 0         | 20.03                 | 19.98                    | 20.04                  |                     |          |  |
| 20                    | 64QAM      | 50      | 24        | 20.05                 | 20.03                    | 20.05                  |                     |          |  |
| 20                    | 64QAM      | 50      | 50        | 20.08                 | 20.00                    | 20.01                  |                     |          |  |
| 20                    | 64QAM      | 100     | 0         | 20.10                 | 20.00                    | 20.03                  | 21                  | 3        |  |
| Channel               |            |         |           | 18675                 | 18900                    | 19125                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 1857.5                | 1880                     | 1902.5                 |                     |          |  |
| 15                    | QPSK       | 1       | 0         | 22.89                 | 22.84                    | 22.89                  | 24                  | 0        |  |
| 15                    | QPSK       | 1       | 37        | 22.86                 | 22.81                    | 22.94                  |                     |          |  |
| 15                    | QPSK       | 1       | 74        | 22.80                 | 22.79                    | 22.89                  |                     |          |  |
| 15                    | QPSK       | 36      | 0         | 21.92                 | 21.86                    | 21.90                  |                     |          |  |
| 15                    | QPSK       | 36      | 20        | 21.95                 | 21.90                    | 21.90                  | 23                  | 1        |  |
| 15                    | QPSK       | 36      | 39        | 21.86                 | 21.87                    | 21.94                  |                     |          |  |
| 15                    | QPSK       | 75      | 0         | 21.91                 | 21.87                    | 21.87                  |                     |          |  |
| 15                    | 16QAM      | 1       | 0         | 22.29                 | 22.26                    | 22.29                  |                     |          |  |
| 15                    | 16QAM      | 1       | 37        | 22.32                 | 22.28                    | 22.34                  | 23                  | 1        |  |
| 15                    | 16QAM      | 1       | 74        | 22.23                 | 22.17                    | 22.24                  |                     |          |  |
| 15                    | 16QAM      | 36      | 0         | 21.05                 | 21.04                    | 21.05                  |                     |          |  |
| 15                    | 16QAM      | 36      | 20        | 21.09                 | 21.07                    | 21.06                  | 22                  | 2        |  |
| 15                    | 16QAM      | 36      | 39        | 21.04                 | 21.05                    | 21.10                  |                     |          |  |
| 15                    | 16QAM      | 75      | 0         | 21.04                 | 21.00                    | 20.99                  |                     |          |  |
| 15                    | 64QAM      | 1       | 0         | 21.15                 | 21.16                    | 21.19                  |                     |          |  |
| 15                    | 64QAM      | 1       | 37        | 21.14                 | 21.18                    | 21.24                  | 22                  | 2        |  |
| 15                    | 64QAM      | 1       | 74        | 21.11                 | 21.11                    | 21.13                  |                     |          |  |
| 15                    | 64QAM      | 36      | 0         | 20.05                 | 20.02                    | 20.04                  |                     |          |  |
| 15                    | 64QAM      | 36      | 20        | 20.10                 | 20.07                    | 20.05                  | 21                  | 3        |  |
| 15                    | 64QAM      | 36      | 39        | 20.05                 | 20.03                    | 20.08                  |                     |          |  |
| 15                    | 64QAM      | 75      | 0         | 19.98                 | 20.04                    | 20.00                  |                     |          |  |
| Channel               |            |         |           | 18650                 | 18900                    | 19150                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 1855                  | 1880                     | 1905                   |                     |          |  |
| 10                    | QPSK       | 1       | 0         | 22.97                 | 22.92                    | 22.86                  | 24                  | 0        |  |
| 10                    | QPSK       | 1       | 25        | 22.87                 | 22.83                    | 22.92                  |                     |          |  |
| 10                    | QPSK       | 1       | 49        | 22.86                 | 22.87                    | 22.87                  |                     |          |  |
| 10                    | QPSK       | 25      | 0         | 21.87                 | 21.87                    | 21.88                  |                     |          |  |
| 10                    | QPSK       | 25      | 12        | 21.89                 | 21.87                    | 21.95                  | 23                  | 1        |  |
| 10                    | QPSK       | 25      | 25        | 21.87                 | 21.82                    | 21.93                  |                     |          |  |
| 10                    | QPSK       | 50      | 0         | 21.89                 | 21.86                    | 21.83                  |                     |          |  |
| 10                    | 16QAM      | 1       | 0         | 22.35                 | 22.36                    | 22.25                  |                     |          |  |
| 10                    | 16QAM      | 1       | 25        | 22.30                 | 22.29                    | 22.32                  | 23                  | 1        |  |
| 10                    | 16QAM      | 1       | 49        | 22.28                 | 22.27                    | 22.23                  |                     |          |  |
| 10                    | 16QAM      | 25      | 0         | 21.04                 | 21.01                    | 21.00                  |                     |          |  |
| 10                    | 16QAM      | 25      | 12        | 21.02                 | 21.02                    | 21.09                  | 22                  | 2        |  |
| 10                    | 16QAM      | 25      | 25        | 20.98                 | 21.02                    | 21.05                  |                     |          |  |
| 10                    | 16QAM      | 50      | 0         | 21.02                 | 21.01                    | 20.98                  |                     |          |  |
| 10                    | 64QAM      | 1       | 0         | 21.22                 | 21.22                    | 21.11                  |                     |          |  |
| 10                    | 64QAM      | 1       | 25        | 21.13                 | 21.12                    | 21.17                  | 22                  | 2        |  |
| 10                    | 64QAM      | 1       | 49        | 21.16                 | 21.16                    | 21.12                  |                     |          |  |
| 10                    | 64QAM      | 25      | 0         | 20.05                 | 20.00                    | 20.00                  |                     |          |  |
| 10                    | 64QAM      | 25      | 12        | 20.03                 | 20.02                    | 20.08                  |                     |          |  |
| 10                    | 64QAM      | 25      | 25        | 20.00                 | 20.00                    | 20.05                  | 21                  | 3        |  |
| 10                    | 64QAM      | 50      | 0         | 20.02                 | 20.00                    | 19.95                  |                     |          |  |
| Channel               |            |         |           | 18525                 | 18900                    | 19175                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 1852.5                | 1880                     | 1907.5                 |                     |          |  |
| 5                     | QPSK       | 1       | 0         | 22.86                 | 22.80                    | 22.87                  | 24                  | 0        |  |
| 5                     | QPSK       | 1       | 12        | 22.84                 | 22.81                    | 22.86                  |                     |          |  |
| 5                     | QPSK       | 1       | 24        | 22.82                 | 22.80                    | 22.84                  |                     |          |  |
| 5                     | QPSK       | 12      | 0         | 21.92                 | 21.88                    | 21.89                  |                     |          |  |
| 5                     | QPSK       | 12      | 7         | 21.91                 | 21.89                    | 21.92                  | 23                  | 1        |  |
| 5                     | QPSK       | 12      | 13        | 21.89                 | 21.84                    | 21.90                  |                     |          |  |
| 5                     | QPSK       | 25      | 0         | 21.87                 | 21.82                    | 21.91                  |                     |          |  |
| 5                     | 16QAM      | 1       | 0         | 22.19                 | 22.18                    | 22.23                  |                     |          |  |
| 5                     | 16QAM      | 1       | 12        | 22.24                 | 22.19                    | 22.21                  | 23                  | 1        |  |
| 5                     | 16QAM      | 1       | 24        | 22.21                 | 22.16                    | 22.21                  |                     |          |  |
| 5                     | 16QAM      | 12      | 0         | 21.08                 | 21.06                    | 21.05                  |                     |          |  |
| 5                     | 16QAM      | 12      | 7         | 21.07                 | 21.02                    | 21.09                  |                     |          |  |
| 5                     | 16QAM      | 12      | 13        | 21.06                 | 21.05                    | 21.03                  | 22                  | 2        |  |
| 5                     | 16QAM      | 25      | 0         | 21.00                 | 20.97                    | 21.01                  |                     |          |  |
| 5                     | 64QAM      | 1       | 0         | 21.15                 | 21.11                    | 21.12                  |                     |          |  |
| 5                     | 64QAM      | 1       | 12        | 21.20                 | 21.12                    | 21.14                  |                     |          |  |
| 5                     | 64QAM      | 1       | 24        | 21.09                 | 21.06                    | 21.07                  | 22                  | 2        |  |
| 5                     | 64QAM      | 12      | 0         | 20.05                 | 20.02                    | 20.03                  |                     |          |  |
| 5                     | 64QAM      | 12      | 7         | 20.05                 | 20.03                    | 20.08                  |                     |          |  |
| 5                     | 64QAM      | 12      | 13        | 20.00                 | 20.03                    | 20.04                  |                     |          |  |
| 5                     | 64QAM      | 25      | 0         | 19.97                 | 19.99                    | 20.01                  | 21                  | 3        |  |
| Channel               |            |         |           | 18615                 | 18900                    | 19185                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 1851.5                | 1880                     | 1908.5                 |                     |          |  |
| 3                     | QPSK       | 1       | 0         | 22.83                 | 22.78                    | 22.85                  | 24                  | 0        |  |
| 3                     | QPSK       | 1       | 8         | 22.87                 | 22.81                    | 22.82                  |                     |          |  |
| 3                     | QPSK       | 1       | 14        | 22.81                 | 22.76                    | 22.85                  |                     |          |  |
| 3                     | QPSK       | 8       | 0         | 21.90                 | 21.85                    | 21.86                  |                     |          |  |
| 3                     | QPSK       | 8       | 4         | 21.94                 | 21.89                    | 21.91                  | 23                  | 1        |  |
| 3                     | QPSK       | 8       | 7         | 21.90                 | 21.85                    | 21.89                  |                     |          |  |
| 3                     | QPSK       | 15      | 0         | 21.86                 | 21.86                    | 21.88                  |                     |          |  |
| 3                     | 16QAM      | 1       | 0         | 22.23                 | 22.23                    | 22.19                  |                     |          |  |
| 3                     | 16QAM      | 1       | 8         | 22.31                 | 22.25                    | 22.27                  | 23                  | 1        |  |
| 3                     | 16QAM      | 1       | 14        | 22.21                 | 22.23                    | 22.19                  |                     |          |  |
| 3                     | 16QAM      | 8       | 0         | 21.08                 | 21.05                    | 21.07                  |                     |          |  |
| 3                     | 16QAM      | 8       | 4         | 21.14                 | 21.13                    | 21.13                  |                     |          |  |
| 3                     | 16QAM      | 8       | 7         | 21.10                 | 21.09                    | 21.08                  | 22                  | 2        |  |
| 3                     | 16QAM      | 15      | 0         | 21.03                 | 21.00                    | 21.02                  |                     |          |  |
| 3                     | 64QAM      | 1       | 0         | 21.11                 | 21.08                    | 21.13                  |                     |          |  |
| 3                     | 64QAM      | 1       | 8         | 21.15                 | 21.12                    | 21.14                  |                     |          |  |
| 3                     | 64QAM      | 1       | 14        | 21.10                 | 21.09                    | 21.08                  | 22                  | 2        |  |
| 3                     | 64QAM      | 8       | 0         | 20.04                 | 20.00                    | 20.03                  |                     |          |  |
| 3                     | 64QAM      | 8       | 4         | 20.08                 | 20.05                    | 20.07                  |                     |          |  |
| 3                     | 64QAM      | 8       | 7         | 20.04                 | 20.03                    | 20.03                  |                     |          |  |
| 3                     | 64QAM      | 15      | 0         | 20.00                 | 19.94                    | 19.99                  | 21                  | 3        |  |
| Channel               |            |         |           | 18507                 | 18900                    | 19193                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 1850.7                | 1880                     | 1909.3                 |                     |          |  |
| 1.4                   | QPSK       | 1       | 0         | 22.87                 | 22.72                    | 22.72                  | 24                  | 0        |  |
| 1.4                   | QPSK       | 1       | 3         | 22.73                 | 22.81                    | 22.84                  |                     |          |  |
| 1.4                   | QPSK       | 1       | 5         | 22.66                 | 22.71                    | 22.73                  |                     |          |  |
| 1.4                   | QPSK       | 3       | 0         | 22.70                 | 22.75                    | 22.82                  |                     |          |  |
| 1.4                   | QPSK       | 3       | 1         | 22.71                 | 22.78                    | 22.83                  | 23                  | 1        |  |
| 1.4                   | QPSK       | 3       | 3         | 22.70                 | 22.74                    | 22.82                  |                     |          |  |
| 1.4                   | QPSK       | 6       | 0         | 21.68                 | 21.76                    | 21.81                  |                     |          |  |
| 1.4                   | 16QAM      | 1       | 0         | 22.06                 | 22.11                    | 22.08                  |                     |          |  |
| 1.4                   | 16QAM      | 1       | 3         | 22.13                 | 22.20                    | 22.18                  | 23                  | 1        |  |
| 1.4                   | 16QAM      | 1       | 5         | 22.03                 | 22.13                    | 22.07                  |                     |          |  |
| 1.4                   | 16QAM      | 3       | 0         | 21.82                 | 21.89                    | 21.90                  |                     |          |  |
| 1.4                   | 16QAM      | 3       | 1         | 21.88                 | 21.95                    | 21.95                  |                     |          |  |
| 1.4                   | 16QAM      | 3       | 3         | 21.83                 | 21.88                    | 21.92                  | 22                  | 2        |  |
| 1.4                   | 16QAM      | 6       | 0         | 20.88                 | 20.92                    | 21.00                  |                     |          |  |
| 1.4                   | 64QAM      | 1       | 0         | 20.93                 | 21.07                    | 20.97                  |                     |          |  |
| 1.4                   | 64QAM      | 1       | 3         | 20.96                 | 21.03                    | 20.92                  |                     |          |  |
| 1.4                   | 64QAM      | 1       | 5         | 20.91                 | 21.00                    | 20.96                  | 22                  | 2        |  |
| 1.4                   | 64QAM      | 3       | 0         | 20.85                 | 20.91                    | 20.89                  |                     |          |  |
| 1.4                   | 64QAM      | 3       | 1         | 20.89                 | 20.94                    | 20.97                  |                     |          |  |
| 1.4                   | 64QAM      | 3       | 3         | 20.83                 | 20.87                    | 20.92                  |                     |          |  |
| 1.4                   | 64QAM      | 6       | 0         | 19.81                 | 19.86                    | 19.90                  | 21                  | 3        |  |

| Band 7 (2600MHz Band) |            |         |           |                       |                          |                        |                     |          |  |
|-----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| Part 27               |            |         |           |                       |                          |                        |                     |          |  |
| BW (MHz)              | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel               |            |         |           | 20850                 | 21100                    | 21350                  |                     |          |  |
| Frequency (MHz)       |            |         |           | 2510                  | 2535                     | 2560                   |                     |          |  |
| 20                    | QPSK       | 1       | 0         | 22.70                 | 22.88                    | 22.81                  | 24                  | 0        |  |
| 20                    | QPSK       | 1       | 49        | 22.73                 | 22.73                    | 22.77                  |                     |          |  |
| 20                    | QPSK       | 1       | 99        | 22.80                 | 22.78                    | 22.83                  |                     |          |  |
| 20                    | QPSK       | 50      | 0         | 21.78                 | 21.94                    | 21.85                  |                     |          |  |
| 20                    | QPSK       | 50      | 24        | 21.79                 | 21.82                    | 21.85                  | 23                  | 1        |  |
| 20                    | QPSK       | 50      | 50        | 21.84                 | 21.81                    | 21.87                  |                     |          |  |
| 20                    | QPSK       | 100     | 0         | 21.86                 | 21.92                    | 21.83                  |                     |          |  |
| 20                    | 16QAM      | 1       | 0         | 22.04                 | 22.06                    | 22.21                  |                     |          |  |
| 20                    | 16QAM      | 1       | 49        | 22.07                 | 22.08                    | 22.16                  | 23                  | 1        |  |
| 20                    | 16QAM      | 1       | 99        | 22.21                 | 22.11                    | 22.16                  |                     |          |  |
| 20                    | 16QAM      | 50      | 0         | 20.84                 | 20.94                    | 20.92                  |                     |          |  |
| 20                    | 16QAM      | 50      | 24        | 20.90                 | 20.97                    | 20.98                  |                     |          |  |
| 20                    | 16QAM      | 50      | 50        | 21.03                 | 20.95                    | 21.00                  | 22                  | 2        |  |
| 20                    | 16QAM      | 100     | 0         | 20.96                 | 20.92                    | 20.94                  |                     |          |  |
| 20                    | 64QAM      | 1       | 0         | 20.94                 | 20.97                    | 21.09                  |                     |          |  |
| 20                    | 64QAM      | 1       | 49        | 20.95                 | 20.97                    | 21.09                  |                     |          |  |
| 20                    | 64QAM      | 1       | 99        | 21.12                 | 21.03                    | 21.07                  | 22                  | 2        |  |
| 20                    | 64QAM      | 50      | 0         | 19.81                 | 19.93                    | 19.90                  |                     |          |  |
| 20                    | 64QAM      | 50      | 24        | 19.85                 | 19.95                    | 19.92                  |                     |          |  |
| 20                    | 64QAM      | 50      | 50        | 20.01                 | 19.94                    | 19.93                  |                     |          |  |
| 20                    | 64QAM      | 100     | 0         | 19.94                 | 19.94                    | 19.96                  | 21                  | 3        |  |
| Channel               |            |         |           | 20825                 | 21100                    | 21375                  |                     |          |  |
| Frequency (MHz)       |            |         |           | 2507.5                | 2535                     | 2562.5                 |                     |          |  |
| 15                    | QPSK       | 1       | 0         | 22.70                 | 22.76                    | 22.82                  | 24                  | 0        |  |
| 15                    | QPSK       | 1       | 37        | 22.70                 | 22.72                    | 22.75                  |                     |          |  |
| 15                    | QPSK       | 1       | 74        | 22.82                 | 22.83                    | 22.85                  |                     |          |  |
| 15                    | QPSK       | 36      | 0         | 21.77                 | 21.83                    | 21.82                  |                     |          |  |
| 15                    | QPSK       | 36      | 20        | 21.76                 | 21.81                    | 21.84                  | 23                  | 1        |  |
| 15                    | QPSK       | 36      | 39        | 21.78                 | 21.83                    | 21.88                  |                     |          |  |
| 15                    | QPSK       | 75      | 0         | 21.75                 | 21.83                    | 21.85                  |                     |          |  |
| 15                    | 16QAM      | 1       | 0         | 22.09                 | 22.11                    | 22.20                  |                     |          |  |
| 15                    | 16QAM      | 1       | 37        | 22.05                 | 22.06                    | 22.15                  | 23                  | 1        |  |
| 15                    | 16QAM      | 1       | 74        | 22.23                 | 22.19                    | 22.23                  |                     |          |  |
| 15                    | 16QAM      | 36      | 0         | 20.81                 | 20.90                    | 20.91                  |                     |          |  |
| 15                    | 16QAM      | 36      | 20        | 20.86                 | 20.93                    | 20.96                  | 22                  | 2        |  |
| 15                    | 16QAM      | 36      | 39        | 20.88                 | 20.93                    | 20.95                  |                     |          |  |
| 15                    | 16QAM      | 75      | 0         | 20.86                 | 20.88                    | 20.94                  |                     |          |  |
| 15                    | 64QAM      | 1       | 0         | 21.00                 | 21.04                    | 21.10                  |                     |          |  |
| 15                    | 64QAM      | 1       | 37        | 20.97                 | 20.99                    | 21.04                  | 22                  | 2        |  |
| 15                    | 64QAM      | 1       | 74        | 21.08                 | 21.08                    | 21.12                  |                     |          |  |
| 15                    | 64QAM      | 36      | 0         | 19.79                 | 19.87                    | 19.92                  |                     |          |  |
| 15                    | 64QAM      | 36      | 20        | 19.87                 | 19.92                    | 19.93                  |                     |          |  |
| 15                    | 64QAM      | 36      | 39        | 19.84                 | 19.91                    | 19.95                  | 21                  | 3        |  |
| 15                    | 64QAM      | 75      | 0         | 19.87                 | 19.88                    | 19.93                  |                     |          |  |
| Channel               |            |         |           | 20800                 | 21100                    | 21400                  |                     |          |  |
| Frequency (MHz)       |            |         |           | 2505                  | 2535                     | 2565                   |                     |          |  |
| 10                    | QPSK       | 1       | 0         | 22.85                 | 22.72                    | 22.74                  | 24                  | 0        |  |
| 10                    | QPSK       | 1       | 25        | 22.68                 | 22.70                    | 22.73                  |                     |          |  |
| 10                    | QPSK       | 1       | 49        | 22.73                 | 22.76                    | 22.77                  |                     |          |  |
| 10                    | QPSK       | 25      | 0         | 21.69                 | 21.79                    | 21.81                  |                     |          |  |
| 10                    | QPSK       | 25      | 12        | 21.74                 | 21.77                    | 21.78                  | 23                  | 1        |  |
| 10                    | QPSK       | 25      | 25        | 21.76                 | 21.76                    | 21.84                  |                     |          |  |
| 10                    | QPSK       | 50      | 0         | 21.72                 | 21.80                    | 21.80                  |                     |          |  |
| 10                    | 16QAM      | 1       | 0         | 22.04                 | 22.07                    | 22.13                  |                     |          |  |
| 10                    | 16QAM      | 1       | 25        | 22.04                 | 22.07                    | 22.12                  | 23                  | 1        |  |
| 10                    | 16QAM      | 1       | 49        | 22.12                 | 22.11                    | 22.17                  |                     |          |  |
| 10                    | 16QAM      | 25      | 0         | 20.80                 | 20.89                    | 20.87                  |                     |          |  |
| 10                    | 16QAM      | 25      | 12        | 20.85                 | 20.91                    | 20.94                  | 22                  | 2        |  |
| 10                    | 16QAM      | 25      | 25        | 20.85                 | 20.91                    | 20.89                  |                     |          |  |
| 10                    | 16QAM      | 50      | 0         | 20.80                 | 20.88                    | 20.93                  |                     |          |  |
| 10                    | 64QAM      | 1       | 0         | 20.92                 | 20.95                    | 21.00                  |                     |          |  |
| 10                    | 64QAM      | 1       | 25        | 20.97                 | 20.96                    | 21.00                  | 22                  | 2        |  |
| 10                    | 64QAM      | 1       | 49        | 21.00                 | 20.98                    | 21.08                  |                     |          |  |
| 10                    | 64QAM      | 25      | 0         | 19.81                 | 19.86                    | 19.89                  |                     |          |  |
| 10                    | 64QAM      | 25      | 12        | 19.82                 | 19.90                    | 19.90                  |                     |          |  |
| 10                    | 64QAM      | 25      | 25        | 19.82                 | 19.90                    | 19.91                  | 21                  | 3        |  |
| 10                    | 64QAM      | 50      | 0         | 19.79                 | 19.87                    | 19.91                  |                     |          |  |
| Channel               |            |         |           | 20775                 | 21100                    | 21425                  |                     |          |  |
| Frequency (MHz)       |            |         |           | 2502.5                | 2535                     | 2567.5                 |                     |          |  |
| 5                     | QPSK       | 1       | 0         | 22.64                 | 22.69                    | 22.73                  | 24                  | 0        |  |
| 5                     | QPSK       | 1       | 12        | 22.65                 | 22.69                    | 22.75                  |                     |          |  |
| 5                     | QPSK       | 1       | 24        | 22.70                 | 22.72                    | 22.76                  |                     |          |  |
| 5                     | QPSK       | 12      | 0         | 21.69                 | 21.74                    | 21.80                  |                     |          |  |
| 5                     | QPSK       | 12      | 7         | 21.75                 | 21.80                    | 21.81                  | 23                  | 1        |  |
| 5                     | QPSK       | 12      | 13        | 21.75                 | 21.77                    | 21.80                  |                     |          |  |
| 5                     | QPSK       | 25      | 0         | 21.71                 | 21.77                    | 21.80                  |                     |          |  |
| 5                     | 16QAM      | 1       | 0         | 22.00                 | 22.01                    | 22.10                  |                     |          |  |
| 5                     | 16QAM      | 1       | 12        | 22.02                 | 22.04                    | 22.07                  | 23                  | 1        |  |
| 5                     | 16QAM      | 1       | 24        | 22.03                 | 22.07                    | 22.13                  |                     |          |  |
| 5                     | 16QAM      | 12      | 0         | 20.77                 | 20.86                    | 20.87                  |                     |          |  |
| 5                     | 16QAM      | 12      | 7         | 20.85                 | 20.89                    | 20.95                  | 22                  | 2        |  |
| 5                     | 16QAM      | 12      | 13        | 20.80                 | 20.91                    | 20.94                  |                     |          |  |
| 5                     | 16QAM      | 25      | 0         | 20.81                 | 20.83                    | 20.89                  |                     |          |  |
| 5                     | 64QAM      | 1       | 0         | 20.88                 | 20.94                    | 21.01                  |                     |          |  |
| 5                     | 64QAM      | 1       | 12        | 20.92                 | 20.97                    | 21.00                  | 22                  | 2        |  |
| 5                     | 64QAM      | 1       | 24        | 20.94                 | 20.96                    | 21.03                  |                     |          |  |
| 5                     | 64QAM      | 12      | 0         | 19.77                 | 19.84                    | 19.85                  |                     |          |  |
| 5                     | 64QAM      | 12      | 7         | 19.81                 | 19.89                    | 19.89                  |                     |          |  |
| 5                     | 64QAM      | 12      | 13        | 19.78                 | 19.89                    | 19.91                  | 21                  | 3        |  |
| 5                     | 64QAM      | 25      | 0         | 19.80                 | 19.83                    | 19.87                  |                     |          |  |

| Band 66         |            |         |           |                          |                             |                           |                           |             |  |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|---------------------------|-------------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up<br>limit<br>(dBm) | MPR<br>(dB) |  |
| Channel         |            |         |           | 132072                   | 132322                      | 132572                    |                           |             |  |
| Frequency (MHz) |            |         |           | 1720                     | 1745                        | 1770                      |                           |             |  |
| 20              | QPSK       | 1       | 0         | 22.88                    | 22.92                       | 22.77                     | 24                        | 0           |  |
| 20              | QPSK       | 1       | 49        | 22.82                    | 22.89                       | 22.66                     |                           |             |  |
| 20              | QPSK       | 1       | 99        | 22.62                    | 22.59                       | 22.50                     |                           |             |  |
| 20              | QPSK       | 50      | 0         | 21.89                    | 22.09                       | 21.97                     |                           |             |  |
| 20              | QPSK       | 50      | 24        | 22.08                    | 21.97                       | 21.91                     | 23                        | 1           |  |
| 20              | QPSK       | 50      | 50        | 21.96                    | 21.98                       | 21.83                     |                           |             |  |
| 20              | QPSK       | 100     | 0         | 22.04                    | 22.00                       | 21.94                     |                           |             |  |
| 20              | 16QAM      | 1       | 0         | 22.43                    | 22.48                       | 22.34                     |                           |             |  |
| 20              | 16QAM      | 1       | 49        | 22.38                    | 22.36                       | 22.29                     | 23                        | 1           |  |
| 20              | 16QAM      | 1       | 99        | 22.24                    | 22.16                       | 22.09                     |                           |             |  |
| 20              | 16QAM      | 50      | 0         | 21.21                    | 21.17                       | 21.11                     |                           |             |  |
| 20              | 16QAM      | 50      | 24        | 21.17                    | 21.13                       | 21.09                     |                           |             |  |
| 20              | 16QAM      | 50      | 50        | 21.11                    | 21.06                       | 20.98                     | 22                        | 2           |  |
| 20              | 16QAM      | 100     | 0         | 21.13                    | 21.10                       | 21.04                     |                           |             |  |
| 20              | 64QAM      | 1       | 0         | 21.29                    | 21.28                       | 21.25                     |                           |             |  |
| 20              | 64QAM      | 1       | 49        | 21.30                    | 21.22                       | 21.12                     |                           |             |  |
| 20              | 64QAM      | 1       | 99        | 21.19                    | 21.09                       | 21.03                     | 22                        | 2           |  |
| 20              | 64QAM      | 50      | 0         | 20.20                    | 20.14                       | 20.07                     |                           |             |  |
| 20              | 64QAM      | 50      | 24        | 20.18                    | 20.10                       | 20.04                     |                           |             |  |
| 20              | 64QAM      | 50      | 50        | 20.09                    | 20.03                       | 19.95                     |                           |             |  |
| 20              | 64QAM      | 100     | 0         | 20.19                    | 20.10                       | 20.04                     | 21                        | 3           |  |
| Channel         |            |         |           | 132047                   | 132322                      | 132597                    |                           |             |  |
| Frequency (MHz) |            |         |           | 1717.5                   | 1745                        | 1772.5                    |                           |             |  |
| 15              | QPSK       | 1       | 0         | 22.86                    | 22.79                       | 22.71                     | 24                        | 0           |  |
| 15              | QPSK       | 1       | 37        | 22.77                    | 22.68                       | 22.60                     |                           |             |  |
| 15              | QPSK       | 1       | 74        | 22.68                    | 22.62                       | 22.55                     |                           |             |  |
| 15              | QPSK       | 36      | 0         | 22.05                    | 22.01                       | 21.90                     |                           |             |  |
| 15              | QPSK       | 36      | 20        | 22.03                    | 22.01                       | 21.89                     | 23                        | 1           |  |
| 15              | QPSK       | 36      | 39        | 22.00                    | 21.95                       | 21.82                     |                           |             |  |
| 15              | QPSK       | 75      | 0         | 21.98                    | 21.93                       | 21.85                     |                           |             |  |
| 15              | 16QAM      | 1       | 0         | 22.44                    | 22.45                       | 22.34                     |                           |             |  |
| 15              | 16QAM      | 1       | 37        | 22.35                    | 22.25                       | 22.16                     | 23                        | 1           |  |
| 15              | 16QAM      | 1       | 74        | 22.28                    | 22.23                       | 22.12                     |                           |             |  |
| 15              | 16QAM      | 36      | 0         | 21.20                    | 21.14                       | 21.05                     |                           |             |  |
| 15              | 16QAM      | 36      | 20        | 21.20                    | 21.15                       | 21.05                     |                           |             |  |
| 15              | 16QAM      | 36      | 39        | 21.14                    | 21.04                       | 21.00                     | 22                        | 2           |  |
| 15              | 16QAM      | 75      | 0         | 21.13                    | 21.12                       | 20.97                     |                           |             |  |
| 15              | 64QAM      | 1       | 0         | 21.38                    | 21.34                       | 21.19                     |                           |             |  |
| 15              | 64QAM      | 1       | 37        | 21.26                    | 21.24                       | 21.19                     |                           |             |  |
| 15              | 64QAM      | 1       | 74        | 21.20                    | 21.07                       | 21.02                     | 22                        | 2           |  |
| 15              | 64QAM      | 36      | 0         | 20.18                    | 20.13                       | 20.07                     |                           |             |  |
| 15              | 64QAM      | 36      | 20        | 20.20                    | 20.12                       | 20.04                     |                           |             |  |
| 15              | 64QAM      | 36      | 39        | 20.12                    | 20.03                       | 19.97                     |                           |             |  |
| 15              | 64QAM      | 75      | 0         | 20.16                    | 20.10                       | 20.03                     | 21                        | 3           |  |
| Channel         |            |         |           | 132022                   | 132322                      | 132622                    |                           |             |  |
| Frequency (MHz) |            |         |           | 1715                     | 1745                        | 1775                      |                           |             |  |
| 10              | QPSK       | 1       | 0         | 22.81                    | 22.77                       | 22.62                     | 24                        | 0           |  |
| 10              | QPSK       | 1       | 25        | 22.78                    | 22.70                       | 22.61                     |                           |             |  |
| 10              | QPSK       | 1       | 49        | 22.71                    | 22.61                       | 22.53                     |                           |             |  |
| 10              | QPSK       | 25      | 0         | 22.05                    | 21.98                       | 21.87                     |                           |             |  |
| 10              | QPSK       | 25      | 12        | 22.07                    | 21.97                       | 21.87                     | 23                        | 1           |  |
| 10              | QPSK       | 25      | 25        | 21.98                    | 21.89                       | 21.81                     |                           |             |  |
| 10              | QPSK       | 50      | 0         | 22.01                    | 21.95                       | 21.87                     |                           |             |  |
| 10              | 16QAM      | 1       | 0         | 22.44                    | 22.40                       | 22.25                     |                           |             |  |
| 10              | 16QAM      | 1       | 25        | 22.42                    | 22.36                       | 22.20                     | 23                        | 1           |  |
| 10              | 16QAM      | 1       | 49        | 22.28                    | 22.22                       | 22.11                     |                           |             |  |
| 10              | 16QAM      | 25      | 0         | 21.20                    | 21.18                       | 21.03                     |                           |             |  |
| 10              | 16QAM      | 25      | 12        | 21.21                    | 21.08                       | 21.04                     |                           |             |  |
| 10              | 16QAM      | 25      | 12        | 21.15                    | 21.05                       | 20.95                     | 22                        | 2           |  |
| 10              | 16QAM      | 50      | 0         | 21.16                    | 21.10                       | 21.01                     |                           |             |  |
| 10              | 64QAM      | 1       | 0         | 21.30                    | 21.24                       | 21.11                     |                           |             |  |
| 10              | 64QAM      | 1       | 25        | 21.25                    | 21.17                       | 21.07                     |                           |             |  |
| 10              | 64QAM      | 1       | 49        | 21.20                    | 21.10                       | 20.95                     | 22                        | 2           |  |
| 10              | 64QAM      | 25      | 0         | 20.17                    | 20.10                       | 20.01                     |                           |             |  |
| 10              | 64QAM      | 25      | 12        | 20.17                    | 20.08                       | 19.95                     |                           |             |  |
| 10              | 64QAM      | 25      | 25        | 20.16                    | 20.04                       | 19.96                     |                           |             |  |
| 10              | 64QAM      | 50      | 0         | 20.11                    | 20.09                       | 19.95                     | 21                        | 3           |  |
| Channel         |            |         |           | 131987                   | 132322                      | 132647                    |                           |             |  |
| Frequency (MHz) |            |         |           | 1712.5                   | 1745                        | 1777.5                    |                           |             |  |
| 5               | QPSK       | 1       | 0         | 22.77                    | 22.69                       | 22.55                     | 24                        | 0           |  |
| 5               | QPSK       | 1       | 12        | 22.75                    | 22.65                       | 22.55                     |                           |             |  |
| 5               | QPSK       | 1       | 24        | 22.72                    | 22.63                       | 22.50                     |                           |             |  |
| 5               | QPSK       | 12      | 0         | 22.02                    | 21.95                       | 21.87                     |                           |             |  |
| 5               | QPSK       | 12      | 7         | 22.08                    | 22.00                       | 21.88                     | 23                        | 1           |  |
| 5               | QPSK       | 12      | 13        | 22.02                    | 21.93                       | 21.85                     |                           |             |  |
| 5               | QPSK       | 25      | 0         | 22.00                    | 21.95                       | 21.80                     |                           |             |  |
| 5               | 16QAM      | 1       | 0         | 22.33                    | 22.36                       | 22.31                     |                           |             |  |
| 5               | 16QAM      | 1       | 12        | 22.39                    | 22.31                       | 22.19                     | 23                        | 1           |  |
| 5               | 16QAM      | 1       | 24        | 22.34                    | 22.25                       | 22.14                     |                           |             |  |
| 5               | 16QAM      | 12      | 0         | 21.19                    | 21.10                       | 21.00                     |                           |             |  |
| 5               | 16QAM      | 12      | 7         | 21.21                    | 21.16                       | 21.05                     |                           |             |  |
| 5               | 16QAM      | 12      | 13        | 21.17                    | 21.09                       | 20.98                     | 22                        | 2           |  |
| 5               | 16QAM      | 25      | 0         | 21.17                    | 21.07                       | 20.94                     |                           |             |  |
| 5               | 64QAM      | 1       | 0         | 21.27                    | 21.19                       | 21.06                     |                           |             |  |
| 5               | 64QAM      | 1       | 12        | 21.27                    | 21.22                       | 21.13                     |                           |             |  |
| 5               | 64QAM      | 1       | 24        | 21.24                    | 21.14                       | 21.00                     | 22                        | 2           |  |
| 5               | 64QAM      | 12      | 0         | 20.18                    | 20.08                       | 19.98                     |                           |             |  |
| 5               | 64QAM      | 12      | 7         | 20.19                    | 20.13                       | 20.04                     |                           |             |  |
| 5               | 64QAM      | 12      | 13        | 20.15                    | 20.04                       | 19.95                     |                           |             |  |
| 5               | 64QAM      | 25      | 0         | 20.13                    | 20.07                       | 19.94                     | 21                        | 3           |  |
| Channel         |            |         |           | 131987                   | 132322                      | 132657                    |                           |             |  |
| Frequency (MHz) |            |         |           | 1711.5                   | 1745                        | 1778.5                    |                           |             |  |
| 3               | QPSK       | 1       | 0         | 22.74                    | 22.67                       | 22.56                     | 24                        | 0           |  |
| 3               | QPSK       | 1       | 8         | 22.76                    | 22.66                       | 22.56                     |                           |             |  |
| 3               | QPSK       | 1       | 14        | 22.70                    | 22.61                       | 22.51                     |                           |             |  |
| 3               | QPSK       | 8       | 0         | 22.02                    | 21.95                       | 21.83                     |                           |             |  |
| 3               | QPSK       | 8       | 4         | 22.07                    | 21.95                       | 21.83                     | 23                        | 1           |  |
| 3               | QPSK       | 8       | 7         | 22.01                    | 21.92                       | 21.79                     |                           |             |  |
| 3               | QPSK       | 15      | 0         | 22.03                    | 21.93                       | 21.81                     |                           |             |  |
| 3               | 16QAM      | 1       | 0         | 22.31                    | 22.22                       | 22.16                     |                           |             |  |
| 3               | 16QAM      | 1       | 8         | 22.30                    | 22.25                       | 22.16                     | 23                        | 1           |  |
| 3               | 16QAM      | 1       | 14        | 22.26                    | 22.19                       | 22.08                     |                           |             |  |
| 3               | 16QAM      | 8       | 0         | 21.22                    | 21.14                       | 21.03                     |                           |             |  |
| 3               | 16QAM      | 8       | 4         | 21.22                    | 21.17                       | 21.07                     |                           |             |  |
| 3               | 16QAM      | 8       | 7         | 21.20                    | 21.12                       | 21.00                     | 22                        | 2           |  |
| 3               | 16QAM      | 15      | 0         | 21.18                    | 21.05                       | 20.95                     |                           |             |  |
| 3               | 64QAM      | 1       | 0         | 21.20                    | 21.13                       | 21.05                     |                           |             |  |
| 3               | 64QAM      | 1       | 8         | 21.22                    | 21.17                       | 21.05                     |                           |             |  |
| 3               | 64QAM      | 1       | 14        | 21.20                    | 21.09                       | 21.00                     | 22                        | 2           |  |
| 3               | 64QAM      | 8       | 0         | 20.17                    | 20.08                       | 19.95                     |                           |             |  |
| 3               | 64QAM      | 8       | 4         | 20.19                    | 20.12                       | 19.99                     |                           |             |  |
| 3               | 64QAM      | 8       | 7         | 20.14                    | 20.07                       | 19.96                     |                           |             |  |
| 3               | 64QAM      | 15      | 0         | 20.14                    | 20.05                       | 19.95                     | 21                        | 3           |  |
| Channel         |            |         |           | 131979                   | 132322                      | 132655                    |                           |             |  |
| Frequency (MHz) |            |         |           | 1710.7                   | 1745                        | 1779.3                    |                           |             |  |
| 1.4             | QPSK       | 1       | 0         | 22.89                    | 22.56                       | 22.40                     | 24                        | 0           |  |
| 1.4             | QPSK       | 1       | 3         | 22.76                    | 22.67                       | 22.56                     |                           |             |  |
| 1.4             | QPSK       | 1       | 5         | 22.65                    | 22.56                       | 22.47                     |                           |             |  |
| 1.4             | QPSK       | 3       | 0         | 22.74                    | 22.64                       | 22.51                     |                           |             |  |
| 1.4             | QPSK       | 3       | 1         | 22.76                    | 22.64                       | 22.56                     | 23                        | 1           |  |
| 1.4             | QPSK       | 3       | 3         | 22.75                    | 22.60                       | 22.51                     |                           |             |  |
| 1.4             | QPSK       | 6       | 0         | 21.97                    | 21.86                       | 21.76                     |                           |             |  |
| 1.4             | QPSK       | 1       | 0         | 22.22                    | 22.20                       | 22.07                     |                           |             |  |
| 1.4             | 16QAM      | 1       | 0         | 22.32                    | 22.27                       | 22.17                     | 23                        | 1           |  |
| 1.4             | 16QAM      | 1       | 5         | 22.24                    | 22.21                       | 22.04                     |                           |             |  |
| 1.4             | 16QAM      | 3       | 0         | 22.03                    | 21.99                       | 21.87                     |                           |             |  |
| 1.4             | 16QAM      | 3       | 1         | 22.08                    | 22.03                       | 21.87                     |                           |             |  |
| 1.4             | 16QAM      | 3       | 3         | 22.05                    | 21.98                       | 21.82                     | 22                        | 2           |  |
| 1.4             | 16QAM      | 6       | 0         | 21.16                    | 21.05                       | 20.95                     |                           |             |  |
| 1.4             | 64QAM      | 1       | 0         | 21.12                    | 21.12                       | 21.07                     |                           |             |  |
| 1.4             | 64QAM      | 1       | 3         | 21.20                    | 21.18                       | 21.06                     |                           |             |  |
| 1.4             | 64QAM      | 1       | 0         | 21.13                    | 21.07                       | 20.93                     | 22                        | 2           |  |
| 1.4             | 64QAM      | 3       | 0         | 21.08                    | 21.04                       | 20.87                     |                           |             |  |
| 1.4             | 64QAM      | 3       | 1         | 21.11                    | 21.08                       | 20.89                     |                           |             |  |
| 1.4             | 64QAM      | 3       | 3         | 21.05                    | 21.01                       | 20.88                     |                           |             |  |
| 1.4             | 64QAM      | 6       | 0         | 20.08                    | 19.98                       | 19.90                     | 21                        | 3           |  |

**Band 38(only on channel required)**

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           | 37850                 | 38000                    | 38150                  | 24                  | 0        |
| Frequency (MHz) |            |         |           | 2580                  | 2595                     | 2610                   |                     |          |
| 20              | QPSK       | 1       | 0         | 22.70                 | 22.95                    | 22.89                  |                     |          |
| 20              | QPSK       | 1       | 49        | 22.82                 | 22.78                    | 22.85                  | 23                  | 1        |
| 20              | QPSK       | 1       | 99        | 22.83                 | 22.80                    | 22.87                  |                     |          |
| 20              | QPSK       | 50      | 0         | 22.41                 | 22.42                    | 22.40                  |                     |          |
| 20              | QPSK       | 50      | 24        | 22.41                 | 22.37                    | 22.38                  | 23                  | 1        |
| 20              | QPSK       | 50      | 50        | 22.36                 | 22.33                    | 22.39                  |                     |          |
| 20              | QPSK       | 100     | 0         | 22.39                 | 22.41                    | 22.39                  |                     |          |
| 20              | 16QAM      | 1       | 0         | 22.52                 | 22.50                    | 22.56                  | 23                  | 1        |
| 20              | 16QAM      | 1       | 49        | 22.47                 | 22.41                    | 22.52                  |                     |          |
| 20              | 16QAM      | 1       | 99        | 22.44                 | 22.40                    | 22.51                  |                     |          |
| 20              | 16QAM      | 50      | 0         | 21.53                 | 21.50                    | 21.51                  | 22                  | 2        |
| 20              | 16QAM      | 50      | 24        | 21.54                 | 21.50                    | 21.52                  |                     |          |
| 20              | 16QAM      | 50      | 50        | 21.52                 | 21.47                    | 21.53                  |                     |          |
| 20              | 16QAM      | 100     | 0         | 21.51                 | 21.46                    | 21.53                  | 22                  | 2        |
| 20              | 64QAM      | 1       | 0         | 21.24                 | 21.22                    | 21.31                  |                     |          |
| 20              | 64QAM      | 1       | 49        | 21.18                 | 21.17                    | 21.27                  |                     |          |
| 20              | 64QAM      | 1       | 99        | 21.22                 | 21.19                    | 21.21                  | 21                  | 3        |
| 20              | 64QAM      | 50      | 0         | 20.47                 | 20.42                    | 20.45                  |                     |          |
| 20              | 64QAM      | 50      | 24        | 20.45                 | 20.43                    | 20.43                  |                     |          |
| 20              | 64QAM      | 50      | 50        | 20.46                 | 20.39                    | 20.44                  | 21                  | 3        |
| 20              | 64QAM      | 100     | 0         | 20.55                 | 20.51                    | 20.59                  |                     |          |
| Channel         |            |         |           | 37925                 | 38000                    | 38175                  | 24                  | 0        |
| Frequency (MHz) |            |         |           | 2677.5                | 2595                     | 2612.5                 |                     |          |
| 15              | QPSK       | 1       | 0         | 22.87                 | 22.88                    | 22.89                  |                     |          |
| 15              | QPSK       | 1       | 37        | 22.90                 | 22.82                    | 22.85                  | 23                  | 1        |
| 15              | QPSK       | 1       | 74        | 22.86                 | 22.87                    | 22.95                  |                     |          |
| 15              | QPSK       | 36      | 0         | 22.43                 | 22.34                    | 22.40                  |                     |          |
| 15              | QPSK       | 36      | 20        | 22.44                 | 22.38                    | 22.39                  | 23                  | 1        |
| 15              | QPSK       | 36      | 39        | 22.38                 | 22.36                    | 22.40                  |                     |          |
| 15              | QPSK       | 75      | 0         | 22.42                 | 22.38                    | 22.41                  |                     |          |
| 15              | 16QAM      | 1       | 0         | 22.51                 | 22.47                    | 22.59                  | 23                  | 1        |
| 15              | 16QAM      | 1       | 37        | 22.56                 | 22.44                    | 22.52                  |                     |          |
| 15              | 16QAM      | 1       | 74        | 22.57                 | 22.45                    | 22.57                  |                     |          |
| 15              | 16QAM      | 36      | 0         | 21.52                 | 21.45                    | 21.48                  | 22                  | 2        |
| 15              | 16QAM      | 36      | 20        | 21.52                 | 21.49                    | 21.52                  |                     |          |
| 15              | 16QAM      | 36      | 39        | 21.48                 | 21.43                    | 21.47                  |                     |          |
| 15              | 16QAM      | 75      | 0         | 21.55                 | 21.51                    | 21.53                  | 22                  | 2        |
| 15              | 64QAM      | 1       | 0         | 21.32                 | 21.24                    | 21.29                  |                     |          |
| 15              | 64QAM      | 1       | 37        | 21.27                 | 21.18                    | 21.26                  |                     |          |
| 15              | 64QAM      | 1       | 74        | 21.32                 | 21.21                    | 21.34                  | 21                  | 3        |
| 15              | 64QAM      | 36      | 0         | 20.54                 | 20.48                    | 20.52                  |                     |          |
| 15              | 64QAM      | 36      | 20        | 20.55                 | 20.50                    | 20.55                  |                     |          |
| 15              | 64QAM      | 36      | 39        | 20.53                 | 20.48                    | 20.52                  | 21                  | 3        |
| 15              | 64QAM      | 75      | 0         | 20.51                 | 20.51                    | 20.53                  |                     |          |
| Channel         |            |         |           | 37800                 | 38000                    | 38200                  | 24                  | 0        |
| Frequency (MHz) |            |         |           | 2575                  | 2595                     | 2615                   |                     |          |
| 10              | QPSK       | 1       | 0         | 22.89                 | 22.76                    | 22.81                  |                     |          |
| 10              | QPSK       | 1       | 25        | 22.86                 | 22.80                    | 22.85                  | 23                  | 1        |
| 10              | QPSK       | 1       | 49        | 22.86                 | 22.80                    | 22.84                  |                     |          |
| 10              | QPSK       | 25      | 0         | 22.37                 | 22.28                    | 22.32                  |                     |          |
| 10              | QPSK       | 25      | 12        | 22.38                 | 22.31                    | 22.36                  | 23                  | 1        |
| 10              | QPSK       | 25      | 25        | 22.35                 | 22.31                    | 22.37                  |                     |          |
| 10              | QPSK       | 50      | 0         | 22.39                 | 22.33                    | 22.36                  |                     |          |
| 10              | 16QAM      | 1       | 0         | 22.50                 | 22.44                    | 22.48                  | 23                  | 1        |
| 10              | 16QAM      | 1       | 25        | 22.50                 | 22.43                    | 22.48                  |                     |          |
| 10              | 16QAM      | 1       | 49        | 22.51                 | 22.40                    | 22.47                  |                     |          |
| 10              | 16QAM      | 25      | 0         | 21.53                 | 21.44                    | 21.52                  | 22                  | 2        |
| 10              | 16QAM      | 25      | 12        | 21.53                 | 21.47                    | 21.51                  |                     |          |
| 10              | 16QAM      | 25      | 25        | 21.52                 | 21.40                    | 21.51                  |                     |          |
| 10              | 16QAM      | 50      | 0         | 21.54                 | 21.44                    | 21.50                  | 22                  | 2        |
| 10              | 64QAM      | 1       | 0         | 21.30                 | 21.18                    | 21.23                  |                     |          |
| 10              | 64QAM      | 1       | 25        | 21.23                 | 21.15                    | 21.22                  |                     |          |
| 10              | 64QAM      | 1       | 49        | 21.25                 | 21.19                    | 21.23                  | 21                  | 3        |
| 10              | 64QAM      | 25      | 0         | 20.47                 | 20.40                    | 20.45                  |                     |          |
| 10              | 64QAM      | 25      | 12        | 20.46                 | 20.41                    | 20.47                  |                     |          |
| 10              | 64QAM      | 25      | 25        | 20.45                 | 20.37                    | 20.47                  | 21                  | 3        |
| 10              | 64QAM      | 50      | 0         | 20.45                 | 20.38                    | 20.43                  |                     |          |
| Channel         |            |         |           | 37775                 | 38000                    | 38225                  | 24                  | 0        |
| Frequency (MHz) |            |         |           | 2572.5                | 2595                     | 2617.5                 |                     |          |
| 5               | QPSK       | 1       | 0         | 22.89                 | 22.85                    | 22.81                  |                     |          |
| 5               | QPSK       | 1       | 12        | 22.88                 | 22.83                    | 22.86                  | 23                  | 1        |
| 5               | QPSK       | 1       | 24        | 22.82                 | 22.77                    | 22.80                  |                     |          |
| 5               | QPSK       | 12      | 0         | 22.41                 | 22.36                    | 22.36                  |                     |          |
| 5               | QPSK       | 12      | 7         | 22.44                 | 22.38                    | 22.41                  | 23                  | 1        |
| 5               | QPSK       | 12      | 13        | 22.41                 | 22.36                    | 22.40                  |                     |          |
| 5               | QPSK       | 25      | 0         | 22.40                 | 22.35                    | 22.36                  |                     |          |
| 5               | 16QAM      | 1       | 0         | 22.53                 | 22.43                    | 22.48                  | 23                  | 1        |
| 5               | 16QAM      | 1       | 12        | 22.55                 | 22.46                    | 22.50                  |                     |          |
| 5               | 16QAM      | 1       | 24        | 22.53                 | 22.46                    | 22.49                  |                     |          |
| 5               | 16QAM      | 12      | 0         | 21.52                 | 21.39                    | 21.46                  | 22                  | 2        |
| 5               | 16QAM      | 12      | 7         | 21.50                 | 21.45                    | 21.48                  |                     |          |
| 5               | 16QAM      | 12      | 13        | 21.46                 | 21.42                    | 21.49                  |                     |          |
| 5               | 16QAM      | 25      | 0         | 21.54                 | 21.51                    | 21.53                  | 22                  | 2        |
| 5               | 64QAM      | 1       | 0         | 21.30                 | 21.23                    | 21.24                  |                     |          |
| 5               | 64QAM      | 1       | 12        | 21.29                 | 21.20                    | 21.26                  |                     |          |
| 5               | 64QAM      | 1       | 24        | 21.30                 | 21.19                    | 21.24                  | 21                  | 3        |
| 5               | 64QAM      | 12      | 0         | 20.48                 | 20.40                    | 20.43                  |                     |          |
| 5               | 64QAM      | 12      | 7         | 20.56                 | 20.46                    | 20.50                  |                     |          |
| 5               | 64QAM      | 12      | 13        | 20.46                 | 20.42                    | 20.46                  | 21                  | 3        |
| 5               | 64QAM      | 25      | 0         | 20.49                 | 20.46                    | 20.45                  |                     |          |

**Band 41 (2.6G Band)**

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Low Middle Ch. / Freq. | Power Middle Ch. / Freq. | Power High Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|------------------------------|--------------------------|-------------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           | 40140                 | 40390                        | 40640                    | 40890                         | 41140                  | 24                  | 0        |
| Frequency (MHz) |            |         |           | 2545                  | 2570                         | 2595                     | 2620                          | 2645                   |                     |          |
| 20              | QPSK       | 1       | 0         | 22.64                 | 22.71                        | 22.85                    | 22.98                         | 22.88                  |                     |          |
| 20              | QPSK       | 1       | 49        | 22.68                 | 22.78                        | 22.90                    | 22.81                         | 22.93                  | 23                  | 1        |
| 20              | QPSK       | 1       | 99        | 22.84                 | 22.82                        | 22.92                    | 22.86                         | 22.95                  |                     |          |
| 20              | QPSK       | 50      | 0         | 21.79                 | 21.85                        | 21.93                    | 22.00                         | 21.96                  |                     |          |
| 20              | QPSK       | 50      | 24        | 21.86                 | 21.89                        | 21.96                    | 21.83                         | 21.99                  | 23                  | 1        |
| 20              | QPSK       | 50      | 50        | 21.83                 | 21.86                        | 21.90                    | 21.88                         | 21.93                  |                     |          |
| 20              | QPSK       | 100     | 0         | 21.84                 | 21.79                        | 21.92                    | 21.96                         | 21.95                  |                     |          |
| 20              | 16QAM      | 1       | 0         | 21.91                 | 21.88                        | 21.99                    | 21.91                         | 22.02                  | 23                  | 1        |
| 20              | 16QAM      | 1       | 49        | 21.90                 | 21.91                        | 22.00                    | 21.94                         | 22.03                  |                     |          |
| 20              | 16QAM      | 1       | 99        | 21.95                 | 22.00                        | 22.00                    | 21.98                         | 22.03                  |                     |          |
| 20              | 16QAM      | 50      | 0         | 20.90                 | 20.96                        | 21.05                    | 20.97                         | 21.08                  | 22                  | 2        |
| 20              | 16QAM      | 50      | 24        | 20.97                 | 20.95                        | 21.07                    | 20.99                         | 21.10                  |                     |          |
| 20              | 16QAM      | 50      | 50        | 20.97                 | 20.96                        | 21.06                    | 21.00                         | 21.09                  |                     |          |
| 20              | 16QAM      | 100     | 0         | 20.93                 | 20.98                        | 20.96                    | 20.98                         | 21.07                  | 22                  | 2        |
| 20              | 64QAM      | 1       | 0         | 20.89                 | 20.80                        | 20.78                    | 20.91                         | 21.03                  |                     |          |
| 20              | 64QAM      | 1       | 49        | 20.82                 | 20.97                        | 20.95                    | 20.93                         | 21.03                  |                     |          |
| 20              | 64QAM      | 1       | 99        | 20.74                 | 20.95                        | 20.93                    | 20.92                         | 21.00                  | 21                  | 3        |
| 20              | 64QAM      | 50      | 0         | 20.05                 | 20.12                        | 20.10                    | 20.14                         | 20.28                  |                     |          |
| 20              | 64QAM      | 50      | 24        | 20.14                 | 20.11                        | 20.09                    | 20.14                         | 20.22                  |                     |          |
| 20              | 64QAM      | 50      | 50        | 20.09                 | 20.14                        | 20.12                    | 20.14                         | 20.24                  | 21                  | 3        |
| 20              | 64QAM      | 100     | 0         | 20.19                 | 20.21                        | 20.19                    | 20.23                         | 20.32                  |                     |          |
| Channel         |            |         |           | 40115                 | 40378                        | 40640                    | 40903                         | 41165                  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2542.5                | 2568.8                       | 2595                     | 2621.3                        | 2647.5                 | 24                  | 0        |
| 15              | QPSK       | 1       | 0         | 22.72                 | 22.77                        | 22.69                    | 22.78                         | 22.82                  | 23                  | 1        |
| 15              | QPSK       | 1       | 37        | 22.73                 | 22.81                        | 22.70                    | 22.77                         | 22.84                  |                     |          |
| 15              | QPSK       | 1       | 74        | 22.87                 | 22.83                        | 22.84                    | 22.83                         | 22.97                  |                     |          |
| 15              | QPSK       | 36      | 0         | 21.74                 | 21.82                        | 21.71                    | 21.79                         | 21.92                  | 23                  | 1        |
| 15              | QPSK       | 36      | 20        | 21.88                 | 21.82                        | 21.85                    | 21.86                         | 21.95                  |                     |          |
| 15              | QPSK       | 36      | 39        | 21.88                 | 21.81                        | 21.85                    | 21.83                         | 21.91                  |                     |          |
| 15              | QPSK       | 75      | 0         | 21.86                 | 21.82                        | 21.83                    | 21.77                         | 21.93                  | 23                  | 1        |
| 15              | 16QAM      | 1       | 0         | 21.85                 | 21.87                        | 22.07                    | 22.03                         | 22.10                  |                     |          |
| 15              | 16QAM      | 1       | 37        | 21.91                 | 21.90                        | 21.99                    | 21.96                         | 22.02                  |                     |          |
| 15              | 16QAM      | 1       | 74        | 21.99                 | 21.94                        | 21.98                    | 22.07                         | 22.01                  | 22                  | 2        |
| 15              | 16QAM      | 36      | 0         | 20.83                 | 20.90                        | 20.95                    | 20.88                         | 20.98                  |                     |          |
| 15              | 16QAM      | 36      | 20        | 20.90                 | 20.91                        | 20.98                    | 20.90                         | 21.01                  |                     |          |
| 15              | 16QAM      | 36      | 39        | 20.90                 | 20.91                        | 20.99                    | 20.88                         | 21.02                  | 22                  | 2        |
| 15              | 16QAM      | 75      | 0         | 20.92                 | 20.94                        | 21.01                    | 20.99                         | 21.04                  |                     |          |
| 15              | 64QAM      | 1       | 0         | 20.83                 | 20.89                        | 20.94                    | 20.92                         | 20.97                  |                     |          |
| 15              | 64QAM      | 1       | 37        | 20.83                 | 20.93                        | 20.98                    | 20.98                         | 21.01                  | 21                  | 3        |
| 15              | 64QAM      | 1       | 74        | 20.91                 | 20.90                        | 20.99                    | 20.94                         | 21.02                  |                     |          |
| 15              | 64QAM      | 36      | 0         | 20.11                 | 20.14                        | 20.11                    | 20.13                         | 20.24                  |                     |          |
| 15              | 64QAM      | 36      | 20        | 20.17                 | 20.16                        | 20.15                    | 20.17                         | 20.24                  | 21                  | 3        |
| 15              | 64QAM      | 36      | 39        | 20.14                 | 20.18                        | 20.16                    | 20.18                         | 20.26                  |                     |          |
| 15              | 64QAM      | 75      | 0         | 20.15                 | 20.17                        | 20.15                    | 20.17                         | 20.29                  |                     |          |
| Channel         |            |         |           | 40090                 | 40365                        | 40640                    | 40915                         | 41190                  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2540                  | 2567.5                       | 2595                     | 2622.5                        | 2650                   | 24                  | 0        |
| 10              | QPSK       | 1       | 0         | 22.68                 | 22.72                        | 22.65                    | 22.76                         | 22.78                  | 23                  | 1        |
| 10              | QPSK       | 1       | 25        | 22.74                 | 22.78                        | 22.71                    | 22.71                         | 22.86                  |                     |          |
| 10              | QPSK       | 1       | 49        | 22.68                 | 22.83                        | 22.65                    | 22.79                         | 22.89                  |                     |          |
| 10              | QPSK       | 25      | 0         | 21.75                 | 21.78                        | 21.72                    | 21.74                         | 21.79                  | 23                  | 1        |
| 10              | QPSK       | 25      | 12        | 21.75                 | 21.83                        | 21.72                    | 21.76                         | 21.87                  |                     |          |
| 10              | QPSK       | 25      | 25        | 21.73                 | 21.80                        | 21.70                    | 21.79                         | 21.89                  |                     |          |
| 10              | QPSK       | 50      | 0         | 21.74                 | 21.77                        | 21.71                    | 21.77                         | 21.90                  | 23                  | 1        |
| 10              | 16QAM      | 1       | 0         | 21.81                 | 21.88                        | 21.97                    | 21.91                         | 22.00                  |                     |          |
| 10              | 16QAM      | 1       | 25        | 21.89                 | 21.85                        | 21.96                    | 21.86                         | 21.99                  |                     |          |
| 10              | 16QAM      | 1       | 49        | 21.88                 | 21.91                        | 22.00                    | 21.95                         | 22.03                  | 22                  | 2        |
| 10              | 16QAM      | 25      | 0         | 20.83                 | 20.91                        | 20.95                    | 20.90                         | 20.98                  |                     |          |
| 10              | 16QAM      | 25      | 12        | 20.87                 | 20.90                        | 20.99                    | 20.94                         | 21.02                  |                     |          |
| 10              | 16QAM      | 25      | 25        | 20.85                 | 20.91                        | 20.99                    | 20.89                         | 21.02                  | 22                  | 2        |
| 10              | 16QAM      | 50      | 0         | 20.82                 | 20.94                        | 21.00                    | 20.90                         | 21.03                  |                     |          |
| 10              | 64QAM      | 1       | 0         | 20.78                 | 20.88                        | 20.97                    | 20.86                         | 21.00                  |                     |          |
| 10              | 64QAM      | 1       | 25        | 20.79                 | 20.88                        | 20.97                    | 20.85                         | 21.00                  | 21                  | 3        |
| 10              | 64QAM      | 1       | 49        | 20.83                 | 20.88                        | 20.95                    | 20.92                         | 20.98                  |                     |          |
| 10              | 64QAM      | 25      | 0         | 20.02                 | 20.06                        | 20.06                    | 20.08                         | 20.15                  |                     |          |
| 10              | 64QAM      | 25      | 12        | 19.99                 | 20.05                        | 20.08                    | 20.10                         | 20.18                  | 21                  | 3        |
| 10              | 64QAM      | 25      | 25        | 19.98                 | 20.08                        | 20.01                    | 20.03                         | 20.16                  |                     |          |
| 10              | 64QAM      | 50      | 0         | 20.01                 | 20.06                        | 20.06                    | 20.08                         | 20.14                  |                     |          |
| Channel         |            |         |           | 40065                 | 40333                        | 40640                    | 40925                         | 41215                  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2537.5                | 2566.3                       | 2595                     | 2623.80                       | 2652.5                 | 24                  | 0        |
| 5               | QPSK       | 1       | 0         | 22.62                 | 22.71                        | 22.59                    | 22.74                         | 22.71                  | 23                  | 1        |
| 5               | QPSK       | 1       | 12        | 22.65                 | 22.80                        | 22.62                    | 22.74                         | 22.80                  |                     |          |
| 5               | QPSK       | 1       | 24        | 22.63                 | 22.65                        | 22.60                    | 22.69                         | 22.65                  |                     |          |
| 5               | QPSK       | 12      | 0         | 21.70                 | 21.75                        | 21.67                    | 21.70                         | 21.75                  | 23                  | 1        |
| 5               | QPSK       | 12      | 7         | 21.76                 | 21.83                        | 21.73                    | 21.76                         | 21.83                  |                     |          |
| 5               | QPSK       | 12      | 13        | 21.72                 | 21.80                        | 21.69                    | 21.80                         | 21.80                  |                     |          |
| 5               | QPSK       | 25      | 0         | 21.70                 | 21.78                        | 21.67                    | 21.79                         | 21.78                  | 23                  | 1        |
| 5               | 16QAM      | 1       | 0         | 21.82                 | 21.86                        | 21.83                    | 21.83                         | 21.86                  |                     |          |
| 5               | 16QAM      | 1       | 12        | 21.78                 | 21.93                        | 21.90                    | 21.88                         | 21.93                  |                     |          |
| 5               | 16QAM      | 1       | 24        | 21.76                 | 21.93                        | 21.90                    | 21.89                         | 21.93                  | 22                  | 2        |
| 5               | 16QAM      | 12      | 0         | 20.73                 | 20.85                        | 20.82                    | 20.85                         | 20.85                  |                     |          |
| 5               | 16QAM      | 12      | 7         | 20.82                 | 20.87                        | 20.84                    | 20.92                         | 20.87                  |                     |          |
| 5               | 16QAM      | 12      | 13        | 20.78                 | 20.82                        | 20.79                    | 20.88                         | 20.82                  | 22                  | 2        |
| 5               | 16QAM      | 25      | 0         | 20.80                 | 20.89                        | 20.86                    | 20.91                         | 20.89                  |                     |          |
| 5               | 64QAM      | 1       | 0         | 20.82                 | 20.85                        | 20.82                    | 20.87                         | 20.85                  |                     |          |
| 5               | 64QAM      | 1       | 12        | 20.80                 | 20.75                        | 20.72                    | 20.89                         | 20.75                  | 22                  | 2        |
| 5               | 64QAM      | 1       | 24        | 20.84                 | 20.81                        | 20.78                    | 20.87                         | 20.81                  |                     |          |
| 5               | 64QAM      | 12      | 0         | 19.99                 | 20.02                        | 20.03                    | 20.05                         | 20.02                  |                     |          |
| 5               | 64QAM      | 12      | 7         | 20.03                 | 20.08                        | 20.08                    | 20.10                         | 20.08                  | 21                  | 3        |
| 5               | 64QAM      | 12      | 13        | 20.00                 | 20.05                        | 20.05                    | 20.07                         | 20.05                  |                     |          |
| 5               | 64QAM      | 25      | 0         | 19.97                 | 20.07                        | 20.02                    | 20.04                         | 20.07                  |                     |          |

## Reduced Power Mode for Sensor on/Hotspot on

| GSM850          |  | Burst Average Power (dBm) |       |       | Tune-up Limit (dBm) | Frame-Average Power (dBm) |       |       | Tune-up Limit (dBm) |
|-----------------|--|---------------------------|-------|-------|---------------------|---------------------------|-------|-------|---------------------|
| TX Channel      |  | 128                       | 189   | 251   |                     | 128                       | 189   | 251   |                     |
| Frequency (MHz) |  | 824.2                     | 836.4 | 848.8 |                     | 824.2                     | 836.4 | 848.8 |                     |
| GSM 1 Tx slot   |  | 30.87                     | 30.93 | 31.06 | 31.50               | 21.87                     | 21.93 | 22.06 | 22.50               |
| GPRS 1 Tx slot  |  | 30.86                     | 30.92 | 31.05 | 31.50               | 21.86                     | 21.92 | 22.05 | 22.50               |
| GPRS 2 Tx slots |  | 28.82                     | 28.77 | 28.91 | 29.50               | 22.82                     | 22.77 | 22.91 | 23.50               |
| GPRS 3 Tx slots |  | 28.06                     | 28.00 | 27.99 | 29.00               | 23.80                     | 23.74 | 23.73 | 24.74               |
| GPRS 1 Tx slots |  | 26.37                     | 26.27 | 26.39 | 27.50               | 23.37                     | 23.27 | 23.39 | 24.50               |
| EDGE 1 Tx slot  |  | 25.27                     | 25.30 | 25.28 | 25.50               | 16.27                     | 16.30 | 16.28 | 16.50               |
| EDGE 2 Tx slots |  | 23.71                     | 23.71 | 23.75 | 24.50               | 17.71                     | 17.71 | 17.75 | 18.50               |
| EDGE 3 Tx slots |  | 22.36                     | 22.35 | 22.37 | 22.50               | 18.10                     | 18.09 | 18.11 | 18.24               |
| EDGE 4 Tx slots |  | 20.57                     | 20.59 | 20.62 | 21.50               | 17.57                     | 17.59 | 17.62 | 18.50               |

| GSM1900         |  | Burst Average Power (dBm) |       |        | Tune-up Limit (dBm) | Frame-Average Power (dBm) |       |        | Tune-up Limit (dBm) |
|-----------------|--|---------------------------|-------|--------|---------------------|---------------------------|-------|--------|---------------------|
| TX Channel      |  | 512                       | 661   | 810    |                     | 512                       | 661   | 810    |                     |
| Frequency (MHz) |  | 1850.2                    | 1880  | 1909.8 |                     | 1850.2                    | 1880  | 1909.8 |                     |
| GSM 1 Tx slot   |  | 21.05                     | 21.11 | 21.13  | 21.50               | 12.05                     | 12.11 | 12.13  | 12.50               |
| GPRS 1 Tx slot  |  | 21.05                     | 21.10 | 21.12  | 21.50               | 12.05                     | 12.10 | 12.12  | 12.50               |
| GPRS 2 Tx slots |  | 20.11                     | 19.97 | 19.95  | 20.50               | 14.11                     | 13.97 | 13.95  | 14.50               |
| GPRS 3 Tx slots |  | 18.31                     | 18.32 | 18.30  | 19.00               | 14.05                     | 14.06 | 14.04  | 14.74               |
| GPRS 1 Tx slots |  | 17.06                     | 17.16 | 17.17  | 17.50               | 14.06                     | 14.16 | 14.17  | 14.50               |
| EDGE 1 Tx slot  |  | 17.97                     | 17.88 | 17.89  | 18.50               | 8.97                      | 8.88  | 8.89   | 9.50                |
| EDGE 2 Tx slots |  | 15.31                     | 15.21 | 15.34  | 16.50               | 9.31                      | 9.21  | 9.34   | 10.50               |
| EDGE 3 Tx slots |  | 14.68                     | 14.63 | 14.62  | 15.50               | 10.42                     | 10.37 | 10.66  | 11.24               |
| EDGE 4 Tx slots |  | 12.76                     | 12.76 | 12.50  | 13.50               | 9.76                      | 9.76  | 9.50   | 10.50               |

| Band                          |  | WCDMA II |       |        | Tune-up Limit (dBm) | WCDMA IV |        |        | Tune-up Limit (dBm) | WCDMA V |       |       | 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 AMR 12.2kbps      |  | 12.45    | 12.46 | 12.35  | 13.00               | 12.18    | 12.29  | 12.14  | 13.00               | 20.06   | 19.96 | 19.96 | 21.50               |
| 3GPP Rel 99 RMC 12.2kbps      |  | 12.46    | 12.47 | 12.36  | 13.00               | 12.19    | 12.31  | 12.15  | 13.00               | 20.07   | 19.98 | 19.97 | 21.50               |
| 3GPP Rel 6 HSDPA Subtest-1    |  | 11.75    | 11.55 | 11.61  | 12.00               | 11.82    | 11.81  | 11.62  | 12.00               | 19.86   | 19.74 | 19.79 | 20.50               |
| 3GPP Rel 6 HSDPA Subtest-2    |  | 11.72    | 11.57 | 11.61  | 12.00               | 11.83    | 11.80  | 11.58  | 12.00               | 19.70   | 19.60 | 19.58 | 20.50               |
| 3GPP Rel 6 HSDPA Subtest-3    |  | 11.23    | 11.01 | 11.03  | 11.50               | 11.27    | 11.30  | 11.11  | 11.50               | 19.20   | 19.05 | 19.12 | 20.00               |
| 3GPP Rel 6 HSDPA Subtest-4    |  | 11.27    | 11.00 | 11.04  | 11.50               | 11.32    | 11.29  | 11.12  | 11.50               | 19.20   | 19.10 | 19.12 | 20.00               |
| 3GPP Rel 8 DC-HSDPA Subtest-1 |  | 11.63    | 11.42 | 11.52  | 12.00               | 11.70    | 11.68  | 11.53  | 12.00               | 19.63   | 19.64 | 19.63 | 20.50               |
| 3GPP Rel 8 DC-HSDPA Subtest-2 |  | 11.70    | 11.47 | 11.52  | 12.00               | 11.70    | 11.51  | 11.52  | 12.00               | 19.59   | 19.61 | 19.70 | 20.50               |
| 3GPP Rel 8 DC-HSDPA Subtest-3 |  | 11.11    | 10.88 | 10.94  | 11.50               | 11.15    | 11.17  | 11.02  | 11.50               | 19.14   | 19.10 | 19.12 | 20.00               |
| 3GPP Rel 8 DC-HSDPA Subtest-4 |  | 11.21    | 10.87 | 10.95  | 11.50               | 11.14    | 11.16  | 11.03  | 11.50               | 19.05   | 19.15 | 19.23 | 20.00               |
| 3GPP Rel 6 HSUPA Subtest-1    |  | 11.68    | 11.43 | 11.51  | 12.00               | 11.63    | 11.61  | 11.42  | 12.00               | 19.67   | 19.58 | 19.55 | 20.50               |
| 3GPP Rel 6 HSUPA Subtest-2    |  | 9.69     | 9.48  | 9.52   | 10.00               | 9.63     | 9.63   | 9.45   | 10.00               | 17.67   | 17.60 | 17.61 | 18.50               |
| 3GPP Rel 6 HSUPA Subtest-3    |  | 10.67    | 10.44 | 10.53  | 11.00               | 10.66    | 10.60  | 10.43  | 11.00               | 18.65   | 18.57 | 18.61 | 19.50               |
| 3GPP Rel 6 HSUPA Subtest-4    |  | 9.71     | 9.46  | 9.52   | 10.00               | 9.62     | 9.68   | 9.43   | 10.00               | 17.62   | 17.55 | 17.57 | 18.50               |
| 3GPP Rel 6 HSUPA Subtest-5    |  | 11.70    | 11.50 | 11.50  | 12.00               | 11.63    | 11.63  | 11.43  | 12.00               | 19.70   | 19.60 | 19.60 | 20.50               |

| Band 2 (1900MHz Band) |            |         |           |                             |                                |                              |                     |          |  |
|-----------------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|---------------------|----------|--|
| Part 24E              |            |         |           |                             |                                |                              |                     |          |  |
| BW [MHz]              | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. 18700 | Power Middle Ch. / Freq. 18900 | Power High Ch. / Freq. 19100 | Tune-up limit (dBm) | MPR (dB) |  |
| Channel               |            |         |           |                             |                                |                              |                     |          |  |
| Frequency (MHz)       |            |         |           |                             |                                |                              |                     |          |  |
| 20                    | QPSK       | 1       | 0         | 12.30                       | 12.32                          | 12.34                        |                     |          |  |
| 20                    | QPSK       | 1       | 49        | 12.39                       | 12.29                          | 12.42                        | 13                  | 0        |  |
| 20                    | QPSK       | 1       | 99        | 12.20                       | 12.26                          | 12.28                        |                     |          |  |
| 20                    | QPSK       | 50      | 0         | 12.43                       | 12.45                          | 12.43                        |                     |          |  |
| 20                    | QPSK       | 50      | 24        | 12.33                       | 12.32                          | 12.40                        | 13                  | 0        |  |
| 20                    | QPSK       | 50      | 50        | 12.37                       | 12.20                          | 12.35                        |                     |          |  |
| 20                    | QPSK       | 100     | 0         | 12.41                       | 12.43                          | 12.36                        |                     |          |  |
| 20                    | 16QAM      | 1       | 0         | 12.42                       | 12.44                          | 12.48                        |                     |          |  |
| 20                    | 16QAM      | 1       | 49        | 12.32                       | 12.39                          | 12.45                        | 13                  | 0        |  |
| 20                    | 16QAM      | 1       | 99        | 12.29                       | 12.17                          | 12.27                        |                     |          |  |
| 20                    | 16QAM      | 50      | 0         | 12.31                       | 12.15                          | 12.26                        |                     |          |  |
| 20                    | 16QAM      | 50      | 24        | 12.25                       | 12.15                          | 12.33                        |                     |          |  |
| 20                    | 16QAM      | 50      | 50        | 12.17                       | 12.00                          | 12.18                        | 13                  | 0        |  |
| 20                    | 16QAM      | 100     | 0         | 12.21                       | 12.07                          | 12.17                        |                     |          |  |
| 20                    | 64QAM      | 1       | 0         | 12.40                       | 12.30                          | 12.44                        |                     |          |  |
| 20                    | 64QAM      | 1       | 49        | 12.35                       | 12.25                          | 12.41                        | 13                  | 0        |  |
| 20                    | 64QAM      | 1       | 99        | 12.15                       | 12.30                          | 12.15                        |                     |          |  |
| 20                    | 64QAM      | 50      | 0         | 12.32                       | 12.14                          | 12.25                        |                     |          |  |
| 20                    | 64QAM      | 50      | 24        | 12.23                       | 12.13                          | 12.32                        |                     |          |  |
| 20                    | 64QAM      | 50      | 50        | 12.13                       | 12.00                          | 12.17                        | 13                  | 0        |  |
| 20                    | 64QAM      | 100     | 0         | 12.22                       | 12.08                          | 12.18                        |                     |          |  |
| Channel               |            |         |           |                             |                                |                              |                     |          |  |
| Frequency (MHz)       |            |         |           |                             |                                |                              |                     |          |  |
| 15                    | QPSK       | 1       | 0         | 12.41                       | 12.32                          | 12.48                        |                     |          |  |
| 15                    | QPSK       | 1       | 37        | 12.31                       | 12.25                          | 12.39                        | 13                  | 0        |  |
| 15                    | QPSK       | 1       | 74        | 12.27                       | 12.09                          | 12.17                        |                     |          |  |
| 15                    | QPSK       | 36      | 0         | 12.36                       | 12.32                          | 12.48                        |                     |          |  |
| 15                    | QPSK       | 36      | 20        | 12.46                       | 12.30                          | 12.42                        | 13                  | 0        |  |
| 15                    | QPSK       | 36      | 39        | 12.39                       | 12.22                          | 12.32                        |                     |          |  |
| 15                    | QPSK       | 75      | 0         | 12.46                       | 12.28                          | 12.40                        |                     |          |  |
| 15                    | 16QAM      | 1       | 0         | 12.45                       | 12.43                          | 12.45                        |                     |          |  |
| 15                    | 16QAM      | 1       | 37        | 12.37                       | 12.36                          | 12.48                        | 13                  | 0        |  |
| 15                    | 16QAM      | 1       | 74        | 12.33                       | 12.13                          | 12.27                        |                     |          |  |
| 15                    | 16QAM      | 36      | 0         | 12.16                       | 12.16                          | 12.29                        |                     |          |  |
| 15                    | 16QAM      | 36      | 20        | 12.35                       | 12.35                          | 12.36                        | 13                  | 0        |  |
| 15                    | 16QAM      | 36      | 39        | 12.17                       | 12.00                          | 12.15                        |                     |          |  |
| 15                    | 16QAM      | 75      | 0         | 12.27                       | 12.08                          | 12.19                        |                     |          |  |
| 15                    | 64QAM      | 1       | 0         | 12.34                       | 12.32                          | 12.45                        |                     |          |  |
| 15                    | 64QAM      | 1       | 37        | 12.23                       | 12.26                          | 12.38                        | 13                  | 0        |  |
| 15                    | 64QAM      | 1       | 74        | 12.23                       | 12.02                          | 12.18                        |                     |          |  |
| 15                    | 64QAM      | 36      | 0         | 12.16                       | 12.16                          | 12.28                        |                     |          |  |
| 15                    | 64QAM      | 36      | 20        | 12.30                       | 12.16                          | 12.24                        | 13                  | 0        |  |
| 15                    | 64QAM      | 36      | 39        | 12.17                       | 12.12                          | 12.18                        |                     |          |  |
| 15                    | 64QAM      | 75      | 0         | 12.25                       | 12.08                          | 12.22                        |                     |          |  |
| Channel               |            |         |           |                             |                                |                              |                     |          |  |
| Frequency (MHz)       |            |         |           |                             |                                |                              |                     |          |  |
| 10                    | QPSK       | 1       | 0         | 12.41                       | 12.40                          | 12.47                        |                     |          |  |
| 10                    | QPSK       | 1       | 25        | 12.32                       | 12.24                          | 12.36                        | 13                  | 0        |  |
| 10                    | QPSK       | 1       | 49        | 12.40                       | 12.20                          | 12.21                        |                     |          |  |
| 10                    | QPSK       | 25      | 0         | 12.40                       | 12.32                          | 12.40                        |                     |          |  |
| 10                    | QPSK       | 25      | 12        | 12.40                       | 12.31                          | 12.37                        | 13                  | 0        |  |
| 10                    | QPSK       | 25      | 25        | 12.43                       | 12.23                          | 12.29                        |                     |          |  |
| 10                    | QPSK       | 50      | 0         | 12.39                       | 12.27                          | 12.38                        |                     |          |  |
| 10                    | 16QAM      | 1       | 0         | 12.39                       | 12.38                          | 12.46                        |                     |          |  |
| 10                    | 16QAM      | 1       | 25        | 12.33                       | 12.33                          | 12.28                        | 13                  | 0        |  |
| 10                    | 16QAM      | 1       | 49        | 12.22                       | 12.15                          | 12.23                        |                     |          |  |
| 10                    | 16QAM      | 25      | 0         | 12.18                       | 12.14                          | 12.20                        |                     |          |  |
| 10                    | 16QAM      | 25      | 12        | 12.24                       | 12.07                          | 12.11                        | 13                  | 0        |  |
| 10                    | 16QAM      | 25      | 25        | 12.28                       | 12.13                          | 12.19                        |                     |          |  |
| 10                    | 16QAM      | 50      | 0         | 12.44                       | 12.40                          | 12.34                        |                     |          |  |
| 10                    | 64QAM      | 1       | 0         | 12.26                       | 12.29                          | 12.34                        | 13                  | 0        |  |
| 10                    | 64QAM      | 1       | 25        | 12.17                       | 12.20                          | 12.16                        |                     |          |  |
| 10                    | 64QAM      | 1       | 49        | 12.20                       | 12.15                          | 12.24                        |                     |          |  |
| 10                    | 64QAM      | 25      | 0         | 12.17                       | 12.13                          | 12.20                        |                     |          |  |
| 10                    | 64QAM      | 25      | 12        | 12.25                       | 12.07                          | 12.11                        | 13                  | 0        |  |
| 10                    | 64QAM      | 25      | 25        | 12.27                       | 12.10                          | 12.18                        |                     |          |  |
| 10                    | 64QAM      | 50      | 0         | 12.37                       | 12.40                          | 12.48                        |                     |          |  |
| Channel               |            |         |           |                             |                                |                              |                     |          |  |
| Frequency (MHz)       |            |         |           |                             |                                |                              |                     |          |  |
| 5                     | QPSK       | 1       | 0         | 12.43                       | 12.29                          | 12.33                        |                     |          |  |
| 5                     | QPSK       | 1       | 12        | 12.38                       | 12.27                          | 12.32                        | 13                  | 0        |  |
| 5                     | QPSK       | 1       | 24        | 12.28                       | 12.18                          | 12.18                        |                     |          |  |
| 5                     | QPSK       | 12      | 0         | 12.45                       | 12.29                          | 12.38                        |                     |          |  |
| 5                     | QPSK       | 12      | 7         | 12.46                       | 12.29                          | 12.37                        | 13                  | 0        |  |
| 5                     | QPSK       | 12      | 13        | 12.36                       | 12.26                          | 12.32                        |                     |          |  |
| 5                     | QPSK       | 25      | 0         | 12.42                       | 12.24                          | 12.34                        |                     |          |  |
| 5                     | 16QAM      | 1       | 0         | 12.40                       | 12.37                          | 12.41                        |                     |          |  |
| 5                     | 16QAM      | 1       | 12        | 12.42                       | 12.36                          | 12.42                        | 13                  | 0        |  |
| 5                     | 16QAM      | 1       | 24        | 12.33                       | 12.29                          | 12.30                        |                     |          |  |
| 5                     | 16QAM      | 12      | 0         | 12.21                       | 12.16                          | 12.22                        |                     |          |  |
| 5                     | 16QAM      | 12      | 7         | 12.21                       | 12.13                          | 12.18                        | 13                  | 0        |  |
| 5                     | 16QAM      | 12      | 13        | 12.15                       | 12.09                          | 12.15                        |                     |          |  |
| 5                     | 16QAM      | 25      | 0         | 12.19                       | 12.10                          | 12.16                        |                     |          |  |
| 5                     | 64QAM      | 1       | 0         | 12.29                       | 12.25                          | 12.33                        |                     |          |  |
| 5                     | 64QAM      | 1       | 12        | 12.30                       | 12.22                          | 12.31                        | 13                  | 0        |  |
| 5                     | 64QAM      | 1       | 24        | 12.23                       | 12.14                          | 12.18                        |                     |          |  |
| 5                     | 64QAM      | 12      | 0         | 12.21                       | 12.15                          | 12.17                        |                     |          |  |
| 5                     | 64QAM      | 12      | 7         | 12.20                       | 12.13                          | 12.20                        | 13                  | 0        |  |
| 5                     | 64QAM      | 12      | 13        | 12.15                       | 12.08                          | 12.12                        |                     |          |  |
| 5                     | 64QAM      | 25      | 0         | 12.18                       | 12.10                          | 12.13                        |                     |          |  |
| Channel               |            |         |           |                             |                                |                              |                     |          |  |
| Frequency (MHz)       |            |         |           |                             |                                |                              |                     |          |  |
| 3                     | QPSK       | 1       | 0         | 12.36                       | 12.29                          | 12.43                        |                     |          |  |
| 3                     | QPSK       | 1       | 8         | 12.28                       | 12.24                          | 12.38                        | 13                  | 0        |  |
| 3                     | QPSK       | 1       | 14        | 12.26                       | 12.04                          | 12.12                        |                     |          |  |
| 3                     | QPSK       | 8       | 0         | 12.35                       | 12.29                          | 12.47                        |                     |          |  |
| 3                     | QPSK       | 8       | 4         | 12.31                       | 12.27                          | 12.37                        | 13                  | 0        |  |
| 3                     | QPSK       | 8       | 7         | 12.38                       | 12.17                          | 12.31                        |                     |          |  |
| 3                     | QPSK       | 15      | 0         | 12.43                       | 12.25                          | 12.37                        |                     |          |  |
| 3                     | 16QAM      | 1       | 0         | 12.44                       | 12.42                          | 12.50                        |                     |          |  |
| 3                     | 16QAM      | 1       | 8         | 12.32                       | 12.31                          | 12.47                        | 13                  | 0        |  |
| 3                     | 16QAM      | 1       | 14        | 12.32                       | 12.12                          | 12.24                        |                     |          |  |
| 3                     | 16QAM      | 8       | 0         | 12.11                       | 12.11                          | 12.28                        |                     |          |  |
| 3                     | 16QAM      | 8       | 4         | 12.31                       | 12.13                          | 12.21                        | 13                  | 0        |  |
| 3                     | 16QAM      | 8       | 7         | 12.12                       | 11.99                          | 12.12                        |                     |          |  |
| 3                     | 16QAM      | 15      | 0         | 12.35                       | 12.03                          | 12.18                        |                     |          |  |
| 3                     | 64QAM      | 1       | 0         | 12.33                       | 12.29                          | 12.44                        |                     |          |  |
| 3                     | 64QAM      | 1       | 8         | 12.18                       | 12.25                          | 12.33                        | 13                  | 0        |  |
| 3                     | 64QAM      | 1       | 14        | 12.22                       | 11.97                          | 12.17                        |                     |          |  |
| 3                     | 64QAM      | 8       | 0         | 12.13                       | 12.15                          | 12.25                        |                     |          |  |
| 3                     | 64QAM      | 8       | 4         | 12.25                       | 12.15                          | 12.19                        | 13                  | 0        |  |
| 3                     | 64QAM      | 8       | 7         | 12.14                       | 11.94                          | 12.17                        |                     |          |  |
| 3                     | 64QAM      | 15      | 0         | 12.25                       | 12.07                          | 12.21                        |                     |          |  |
| Channel               |            |         |           |                             |                                |                              |                     |          |  |
| Frequency (MHz)       |            |         |           |                             |                                |                              |                     |          |  |
| 1.4                   | QPSK       | 1       | 0         | 12.31                       | 12.26                          | 12.38                        |                     |          |  |
| 1.4                   | QPSK       | 1       | 3         | 12.25                       | 12.23                          | 12.37                        | 13                  | 0        |  |
| 1.4                   | QPSK       | 1       | 5         | 12.25                       | 11.99                          | 12.07                        |                     |          |  |
| 1.4                   | QPSK       | 3       | 0         | 12.32                       | 12.26                          | 12.46                        |                     |          |  |
| 1.4                   | QPSK       | 3       | 1         | 12.36                       | 12.24                          | 12.32                        |                     |          |  |
| 1.4                   | QPSK       | 3       | 3         | 12.37                       | 12.12                          | 12.30                        | 13                  | 0        |  |
| 1.4                   | QPSK       | 6       | 0         | 12.40                       | 12.22                          | 12.34                        |                     |          |  |
| 1.4                   | 16QAM      | 1       | 0         | 12.43                       | 12.41                          | 12.45                        |                     |          |  |
| 1.4                   | 16QAM      | 1       | 5         | 12.21                       | 11.92                          | 12.16                        |                     |          |  |
| 1.4                   | 16QAM      | 1       | 3         | 12.31                       | 12.11                          | 12.21                        | 13                  | 0        |  |
| 1.4                   | 16QAM      | 3       | 0         | 12.06                       | 12.06                          | 12.27                        |                     |          |  |
| 1.4                   | 16QAM      | 3       | 1         | 12.30                       | 12.10                          | 12.16                        |                     |          |  |
| 1.4                   | 16QAM      | 3       | 3         | 12.07                       | 11.98                          | 12.05                        |                     |          |  |
| 1.4                   | 16QAM      | 6       | 0         | 12.25                       | 11.98                          | 12.17                        | 13                  | 0        |  |
| 1.4                   | 64QAM      | 1       | 0         | 12.32                       | 12.26                          | 12.33                        |                     |          |  |
| 1.4                   | 64QAM      | 1       | 3         | 12.13                       | 12.24                          | 12.28                        |                     |          |  |
| 1.4                   | 64QAM      | 1       | 5         | 12.21                       | 11.92                          | 12.16                        |                     |          |  |
| 1.4                   | 64QAM      | 3       | 0         | 12.10                       | 12.14                          | 12.22                        | 13                  | 0        |  |
| 1.4                   | 64QAM      | 3       | 1         | 12.20                       | 12.14                          | 12.14                        |                     |          |  |
| 1.4                   | 64QAM      | 3       | 3         | 12.11                       | 11.89                          | 12.16                        |                     |          |  |
| 1.4                   | 64QAM      | 6       | 0         | 12.24                       | 12.06                          | 12.20                        | 13                  | 0        |  |

| Band 4 (AWS Band)                   |            |         |           |                          |                             |                           |                           |             |  |
|-------------------------------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|---------------------------|-------------|--|
| Part 27L (only on channel required) |            |         |           |                          |                             |                           |                           |             |  |
| BW (MHz)                            | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up<br>limit<br>(dBm) | MPR<br>(dB) |  |
| Channel                             |            |         |           | 20050                    | 20175                       | 20300                     |                           |             |  |
| Frequency (MHz)                     |            |         |           | 1720                     | 1732.5                      | 1745                      |                           |             |  |
| 20                                  | QPSK       | 1       | 0         | 12.39                    | 12.46                       | 12.24                     |                           |             |  |
| 20                                  | QPSK       | 1       | 49        | 12.33                    | 12.28                       | 12.17                     | 13                        | 0           |  |
| 20                                  | QPSK       | 1       | 99        | 12.20                    | 12.11                       | 12.00                     |                           |             |  |
| 20                                  | QPSK       | 50      | 0         | 12.37                    | 12.45                       | 12.19                     |                           |             |  |
| 20                                  | QPSK       | 50      | 24        | 12.32                    | 12.29                       | 12.24                     | 13                        | 0           |  |
| 20                                  | QPSK       | 50      | 50        | 12.32                    | 12.17                       | 12.07                     |                           |             |  |
| 20                                  | QPSK       | 100     | 0         | 12.36                    | 12.37                       | 12.22                     |                           |             |  |
| 20                                  | 16QAM      | 1       | 0         | 12.38                    | 12.39                       | 12.27                     |                           |             |  |
| 20                                  | 16QAM      | 1       | 49        | 12.29                    | 12.34                       | 12.22                     | 13                        | 0           |  |
| 20                                  | 16QAM      | 1       | 99        | 12.26                    | 12.14                       | 12.10                     |                           |             |  |
| 20                                  | 16QAM      | 50      | 0         | 12.21                    | 12.18                       | 12.10                     |                           |             |  |
| 20                                  | 16QAM      | 50      | 24        | 12.29                    | 12.14                       | 12.03                     | 13                        | 0           |  |
| 20                                  | 16QAM      | 50      | 50        | 12.38                    | 12.46                       | 12.41                     |                           |             |  |
| 20                                  | 16QAM      | 100     | 0         | 12.44                    | 12.53                       | 12.50                     |                           |             |  |
| 20                                  | 84QAM      | 1       | 0         | 12.40                    | 12.39                       | 12.18                     |                           |             |  |
| 20                                  | 84QAM      | 1       | 49        | 12.30                    | 12.24                       | 12.13                     | 13                        | 0           |  |
| 20                                  | 84QAM      | 1       | 99        | 12.18                    | 12.06                       | 12.10                     |                           |             |  |
| 20                                  | 84QAM      | 50      | 0         | 12.21                    | 12.18                       | 12.30                     |                           |             |  |
| 20                                  | 84QAM      | 50      | 24        | 12.27                    | 12.13                       | 12.32                     | 13                        | 0           |  |
| 20                                  | 84QAM      | 50      | 50        | 12.16                    | 12.06                       | 12.36                     |                           |             |  |
| 20                                  | 84QAM      | 100     | 0         | 12.25                    | 12.05                       | 12.25                     |                           |             |  |
| Channel                             |            |         |           | 20025                    | 20175                       | 20320                     | Tune-up<br>limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz)                     |            |         |           | 1717.5                   | 1732.5                      | 1747.5                    |                           |             |  |
| 15                                  | QPSK       | 1       | 0         | 12.38                    | 12.36                       | 12.42                     |                           |             |  |
| 15                                  | QPSK       | 1       | 37        | 12.39                    | 12.32                       | 12.35                     | 13                        | 0           |  |
| 15                                  | QPSK       | 1       | 74        | 12.37                    | 12.42                       | 12.33                     |                           |             |  |
| 15                                  | QPSK       | 36      | 0         | 12.35                    | 12.42                       | 12.41                     |                           |             |  |
| 15                                  | QPSK       | 36      | 20        | 12.35                    | 12.35                       | 12.43                     | 13                        | 0           |  |
| 15                                  | QPSK       | 36      | 39        | 12.43                    | 12.40                       | 12.32                     |                           |             |  |
| 15                                  | QPSK       | 75      | 0         | 12.23                    | 12.38                       | 12.32                     |                           |             |  |
| 15                                  | 16QAM      | 1       | 0         | 12.39                    | 12.36                       | 12.36                     |                           |             |  |
| 15                                  | 16QAM      | 1       | 37        | 12.32                    | 12.25                       | 12.35                     | 13                        | 0           |  |
| 15                                  | 16QAM      | 1       | 74        | 12.24                    | 12.21                       | 12.42                     |                           |             |  |
| 15                                  | 16QAM      | 36      | 0         | 12.25                    | 12.42                       | 12.30                     |                           |             |  |
| 15                                  | 16QAM      | 36      | 20        | 12.25                    | 12.39                       | 12.23                     | 13                        | 0           |  |
| 15                                  | 16QAM      | 36      | 39        | 12.29                    | 12.25                       | 12.11                     |                           |             |  |
| 15                                  | 16QAM      | 75      | 0         | 12.32                    | 12.34                       | 12.22                     |                           |             |  |
| 15                                  | 84QAM      | 1       | 0         | 12.38                    | 12.35                       | 12.45                     |                           |             |  |
| 15                                  | 84QAM      | 1       | 37        | 12.39                    | 12.46                       | 12.30                     | 13                        | 0           |  |
| 15                                  | 84QAM      | 1       | 74        | 12.23                    | 12.39                       | 12.30                     |                           |             |  |
| 15                                  | 84QAM      | 36      | 0         | 12.41                    | 12.42                       | 12.30                     |                           |             |  |
| 15                                  | 84QAM      | 36      | 20        | 12.35                    | 12.38                       | 12.22                     | 13                        | 0           |  |
| 15                                  | 84QAM      | 36      | 39        | 12.31                    | 12.24                       | 12.10                     |                           |             |  |
| 15                                  | 84QAM      | 75      | 0         | 12.41                    | 12.34                       | 12.20                     |                           |             |  |
| Channel                             |            |         |           | 20000                    | 20175                       | 20350                     | Tune-up<br>limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz)                     |            |         |           | 1715                     | 1732.5                      | 1750                      |                           |             |  |
| 10                                  | QPSK       | 1       | 0         | 12.39                    | 12.32                       | 12.45                     |                           |             |  |
| 10                                  | QPSK       | 1       | 25        | 12.35                    | 12.33                       | 12.46                     | 13                        | 0           |  |
| 10                                  | QPSK       | 1       | 49        | 12.25                    | 12.40                       | 12.32                     |                           |             |  |
| 10                                  | QPSK       | 25      | 0         | 12.27                    | 12.33                       | 12.40                     | 13                        | 0           |  |
| 10                                  | QPSK       | 25      | 12        | 12.39                    | 12.35                       | 12.36                     |                           |             |  |
| 10                                  | QPSK       | 25      | 25        | 12.41                    | 12.35                       | 12.44                     |                           |             |  |
| 10                                  | QPSK       | 50      | 0         | 12.37                    | 12.26                       | 12.37                     |                           |             |  |
| 10                                  | 16QAM      | 1       | 0         | 12.25                    | 12.37                       | 12.40                     |                           |             |  |
| 10                                  | 16QAM      | 1       | 25        | 12.21                    | 12.29                       | 12.32                     | 13                        | 0           |  |
| 10                                  | 16QAM      | 1       | 49        | 12.24                    | 12.27                       | 12.39                     |                           |             |  |
| 10                                  | 16QAM      | 25      | 0         | 12.34                    | 12.40                       | 12.20                     |                           |             |  |
| 10                                  | 16QAM      | 25      | 12        | 12.31                    | 12.46                       | 12.23                     | 13                        | 0           |  |
| 10                                  | 16QAM      | 25      | 25        | 12.22                    | 12.29                       | 12.22                     |                           |             |  |
| 10                                  | 16QAM      | 50      | 0         | 12.27                    | 12.34                       | 12.15                     |                           |             |  |
| 10                                  | 84QAM      | 1       | 0         | 12.35                    | 12.36                       | 12.36                     |                           |             |  |
| 10                                  | 84QAM      | 1       | 25        | 12.29                    | 12.40                       | 12.41                     | 13                        | 0           |  |
| 10                                  | 84QAM      | 1       | 49        | 12.32                    | 12.36                       | 12.27                     |                           |             |  |
| 10                                  | 84QAM      | 25      | 0         | 12.33                    | 12.41                       | 12.20                     |                           |             |  |
| 10                                  | 84QAM      | 25      | 12        | 12.31                    | 12.40                       | 12.23                     | 13                        | 0           |  |
| 10                                  | 84QAM      | 25      | 25        | 12.41                    | 12.29                       | 12.22                     |                           |             |  |
| 10                                  | 84QAM      | 50      | 0         | 12.40                    | 12.35                       | 12.35                     |                           |             |  |
| Channel                             |            |         |           | 1957.5                   | 20175                       | 20375                     | Tune-up<br>limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz)                     |            |         |           | 1712.5                   | 1732.5                      | 1752.5                    |                           |             |  |
| 5                                   | QPSK       | 1       | 0         | 12.35                    | 12.35                       | 12.42                     |                           |             |  |
| 5                                   | QPSK       | 1       | 12        | 12.33                    | 12.31                       | 12.38                     | 13                        | 0           |  |
| 5                                   | QPSK       | 1       | 24        | 12.25                    | 12.36                       | 12.29                     |                           |             |  |
| 5                                   | QPSK       | 12      | 0         | 12.39                    | 12.29                       | 12.45                     |                           |             |  |
| 5                                   | QPSK       | 12      | 7         | 12.38                    | 12.29                       | 12.44                     | 13                        | 0           |  |
| 5                                   | QPSK       | 12      | 13        | 12.35                    | 12.33                       | 12.41                     |                           |             |  |
| 5                                   | QPSK       | 25      | 0         | 12.34                    | 12.44                       | 12.40                     |                           |             |  |
| 5                                   | 16QAM      | 1       | 0         | 12.40                    | 12.35                       | 12.39                     |                           |             |  |
| 5                                   | 16QAM      | 1       | 12        | 12.45                    | 12.39                       | 12.40                     | 13                        | 0           |  |
| 5                                   | 16QAM      | 1       | 24        | 12.35                    | 12.35                       | 12.35                     |                           |             |  |
| 5                                   | 16QAM      | 12      | 0         | 12.19                    | 12.39                       | 12.29                     |                           |             |  |
| 5                                   | 16QAM      | 12      | 7         | 12.21                    | 12.41                       | 12.27                     |                           |             |  |
| 5                                   | 16QAM      | 12      | 13        | 12.15                    | 12.32                       | 12.20                     | 13                        | 0           |  |
| 5                                   | 16QAM      | 25      | 0         | 12.14                    | 12.32                       | 12.20                     |                           |             |  |
| 5                                   | 84QAM      | 1       | 0         | 12.27                    | 12.40                       | 12.36                     |                           |             |  |
| 5                                   | 84QAM      | 1       | 12        | 12.33                    | 12.35                       | 12.32                     | 13                        | 0           |  |
| 5                                   | 84QAM      | 1       | 24        | 12.21                    | 12.40                       | 12.29                     |                           |             |  |
| 5                                   | 84QAM      | 12      | 0         | 12.18                    | 12.39                       | 12.27                     |                           |             |  |
| 5                                   | 84QAM      | 12      | 7         | 12.21                    | 12.40                       | 12.28                     | 13                        | 0           |  |
| 5                                   | 84QAM      | 12      | 13        | 12.13                    | 12.31                       | 12.19                     |                           |             |  |
| 5                                   | 84QAM      | 25      | 0         | 12.13                    | 12.32                       | 12.21                     |                           |             |  |
| Channel                             |            |         |           | 19965                    | 20175                       | 20385                     | Tune-up<br>limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz)                     |            |         |           | 1711.5                   | 1732.5                      | 1753.5                    |                           |             |  |
| 3                                   | QPSK       | 1       | 0         | 12.30                    | 12.32                       | 12.37                     |                           |             |  |
| 3                                   | QPSK       | 1       | 8         | 12.30                    | 12.30                       | 12.37                     | 13                        | 0           |  |
| 3                                   | QPSK       | 1       | 14        | 12.24                    | 12.21                       | 12.24                     |                           |             |  |
| 3                                   | QPSK       | 8       | 0         | 12.36                    | 12.36                       | 12.44                     |                           |             |  |
| 3                                   | QPSK       | 8       | 4         | 12.33                    | 12.36                       | 12.39                     | 13                        | 0           |  |
| 3                                   | QPSK       | 8       | 7         | 12.34                    | 12.28                       | 12.40                     |                           |             |  |
| 3                                   | QPSK       | 15      | 0         | 12.31                    | 12.31                       | 12.37                     |                           |             |  |
| 3                                   | 16QAM      | 1       | 0         | 12.39                    | 12.41                       | 12.44                     |                           |             |  |
| 3                                   | 16QAM      | 1       | 8         | 12.40                    | 12.34                       | 12.45                     | 13                        | 0           |  |
| 3                                   | 16QAM      | 1       | 14        | 12.34                    | 12.29                       | 12.32                     |                           |             |  |
| 3                                   | 16QAM      | 8       | 0         | 12.14                    | 12.14                       | 12.22                     |                           |             |  |
| 3                                   | 16QAM      | 8       | 4         | 12.20                    | 12.18                       | 12.28                     | 13                        | 0           |  |
| 3                                   | 16QAM      | 8       | 7         | 12.10                    | 12.11                       | 12.19                     |                           |             |  |
| 3                                   | 16QAM      | 15      | 0         | 12.13                    | 12.07                       | 12.15                     |                           |             |  |
| 3                                   | 84QAM      | 1       | 0         | 12.26                    | 12.26                       | 12.39                     |                           |             |  |
| 3                                   | 84QAM      | 1       | 8         | 12.28                    | 12.24                       | 12.28                     | 13                        | 0           |  |
| 3                                   | 84QAM      | 1       | 14        | 12.20                    | 12.15                       | 12.29                     |                           |             |  |
| 3                                   | 84QAM      | 8       | 0         | 12.15                    | 12.18                       | 12.24                     |                           |             |  |
| 3                                   | 84QAM      | 8       | 4         | 12.16                    | 12.19                       | 12.23                     | 13                        | 0           |  |
| 3                                   | 84QAM      | 8       | 7         | 12.10                    | 12.06                       | 12.18                     |                           |             |  |
| 3                                   | 84QAM      | 15      | 0         | 12.12                    | 12.11                       | 12.20                     |                           |             |  |
| Channel                             |            |         |           | 19657                    | 20175                       | 20393                     | Tune-up<br>limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz)                     |            |         |           | 1710.7                   | 1732.5                      | 1754.3                    |                           |             |  |
| 1.4                                 | QPSK       | 3       | 0         | 12.33                    | 12.33                       | 12.17                     |                           |             |  |
| 1.4                                 | QPSK       | 3       | 3         | 12.26                    | 12.21                       | 12.04                     | 13                        | 0           |  |
| 1.4                                 | QPSK       | 3       | 5         | 12.26                    | 12.09                       | 11.98                     |                           |             |  |
| 1.4                                 | QPSK       | 3       | 0         | 12.32                    | 12.29                       | 12.22                     |                           |             |  |
| 1.4                                 | QPSK       | 3       | 1         | 12.40                    | 12.22                       | 12.08                     |                           |             |  |
| 1.4                                 | QPSK       | 3       | 3         | 12.32                    | 12.12                       | 12.01                     |                           |             |  |
| 1.4                                 | QPSK       | 6       | 0         | 12.40                    | 12.25                       | 12.08                     | 13                        | 0           |  |
| 1.4                                 | 16QAM      | 1       | 0         | 12.38                    | 12.34                       | 12.31                     |                           |             |  |
| 1.4                                 | 16QAM      | 1       | 3         | 12.37                    | 12.26                       | 12.44                     |                           |             |  |
| 1.4                                 | 16QAM      | 1       | 5         | 12.23                    | 12.25                       | 12.39                     | 13                        | 0           |  |
| 1.4                                 | 16QAM      | 3       | 0         | 12.25                    | 12.37                       | 12.29                     |                           |             |  |
| 1.4                                 | 16QAM      | 3       | 1         | 12.24                    | 12.36                       | 12.18                     |                           |             |  |
| 1.4                                 | 16QAM      | 3       | 3         | 12.24                    | 12.24                       | 12.06                     |                           |             |  |
| 1.4                                 | 16QAM      | 6       | 0         | 12.31                    | 12.29                       | 12.21                     | 13                        | 0           |  |
| 1.4                                 | 84QAM      | 1       | 0         | 12.37                    | 12.32                       | 12.44                     |                           |             |  |
| 1.4                                 | 84QAM      | 1       | 3         | 12.27                    | 12.38                       | 12.30                     |                           |             |  |
| 1.4                                 | 84QAM      | 1       | 5         | 12.22                    | 12.34                       | 12.26                     | 13                        | 0           |  |
| 1.4                                 | 84QAM      | 3       | 0         | 12.25                    | 12.41                       | 12.27                     |                           |             |  |
| 1.4                                 | 84QAM      | 3       | 1         | 12.25                    | 12.37                       | 12.17                     |                           |             |  |
| 1.4                                 | 84QAM      | 3       | 3         | 12.38                    | 12.19                       | 12.09                     |                           |             |  |
| 1.4                                 | 84QAM      | 6       | 0         | 12.35                    | 12.33                       | 12.19                     | 13                        | 0           |  |

| Band 7 (2600MHz Band) |            |         |           |                       |                          |                        |                     |          |  |          |  |
|-----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|----------|--|
| Part 27               |            |         |           |                       |                          |                        |                     |          |  |          |  |
| BW (MHz)              | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |          |  |
| Channel               |            |         |           | 20850                 | 21100                    | 21350                  |                     |          |  |          |  |
| Frequency (MHz)       |            |         |           | 2510                  | 2535                     | 2560                   |                     |          |  |          |  |
| 20                    | QPSK       | 1       | 0         | 15.33                 | 15.61                    | 15.29                  | 16                  | 0        |  |          |  |
| 20                    | QPSK       | 1       | 49        | 15.26                 | 15.33                    | 15.45                  |                     |          |  |          |  |
| 20                    | QPSK       | 1       | 99        | 15.30                 | 15.37                    | 15.44                  |                     |          |  |          |  |
| 20                    | QPSK       | 50      | 0         | 15.23                 | 15.36                    | 15.29                  |                     |          |  |          |  |
| 20                    | QPSK       | 50      | 24        | 15.28                 | 15.28                    | 15.35                  | 16                  | 0        |  |          |  |
| 20                    | QPSK       | 50      | 50        | 15.27                 | 15.24                    | 15.28                  |                     |          |  |          |  |
| 20                    | QPSK       | 100     | 0         | 15.27                 | 15.34                    | 15.33                  |                     |          |  |          |  |
| 20                    | 16QAM      | 1       | 0         | 15.24                 | 15.14                    | 15.40                  |                     |          |  |          |  |
| 20                    | 16QAM      | 1       | 49        | 15.25                 | 15.31                    | 15.53                  | 16                  | 0        |  |          |  |
| 20                    | 16QAM      | 1       | 99        | 15.26                 | 15.24                    | 15.35                  |                     |          |  |          |  |
| 20                    | 16QAM      | 50      | 0         | 15.25                 | 15.24                    | 15.48                  |                     |          |  |          |  |
| 20                    | 16QAM      | 50      | 24        | 15.39                 | 15.36                    | 15.48                  |                     |          |  |          |  |
| 20                    | 16QAM      | 50      | 50        | 15.36                 | 15.36                    | 15.30                  | 16                  | 0        |  |          |  |
| 20                    | 16QAM      | 100     | 0         | 15.32                 | 15.35                    | 15.45                  |                     |          |  |          |  |
| 20                    | 64QAM      | 1       | 0         | 15.48                 | 15.48                    | 15.37                  |                     |          |  |          |  |
| 20                    | 64QAM      | 1       | 49        | 15.49                 | 15.33                    | 15.39                  | 16                  | 0        |  |          |  |
| 20                    | 64QAM      | 1       | 99        | 15.56                 | 15.27                    | 15.39                  |                     |          |  |          |  |
| 20                    | 64QAM      | 50      | 0         | 15.31                 | 15.31                    | 15.40                  |                     |          |  |          |  |
| 20                    | 64QAM      | 50      | 24        | 15.35                 | 15.33                    | 15.46                  |                     |          |  |          |  |
| 20                    | 64QAM      | 50      | 50        | 15.34                 | 15.34                    | 15.57                  | 16                  | 0        |  |          |  |
| 20                    | 64QAM      | 100     | 0         | 15.35                 | 15.37                    | 15.45                  |                     |          |  |          |  |
| Channel               |            |         |           | 20825                 | 21100                    | 21375                  | Tune-up limit (dBm) |          |  | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 2507.5                | 2535                     | 2562.5                 |                     |          |  |          |  |
| 15                    | QPSK       | 1       | 0         | 15.44                 | 15.38                    | 15.52                  | 16                  | 0        |  |          |  |
| 15                    | QPSK       | 1       | 37        | 15.44                 | 15.34                    | 15.60                  |                     |          |  |          |  |
| 15                    | QPSK       | 1       | 74        | 15.25                 | 15.31                    | 15.53                  |                     |          |  |          |  |
| 15                    | QPSK       | 36      | 0         | 15.26                 | 15.24                    | 15.35                  |                     |          |  |          |  |
| 15                    | QPSK       | 36      | 20        | 15.25                 | 15.24                    | 15.48                  | 16                  | 0        |  |          |  |
| 15                    | QPSK       | 36      | 39        | 15.25                 | 15.25                    | 15.46                  |                     |          |  |          |  |
| 15                    | QPSK       | 75      | 0         | 15.23                 | 15.21                    | 15.37                  |                     |          |  |          |  |
| 15                    | 16QAM      | 1       | 0         | 15.24                 | 15.23                    | 15.38                  |                     |          |  |          |  |
| 15                    | 16QAM      | 1       | 37        | 15.22                 | 15.21                    | 15.39                  | 16                  | 0        |  |          |  |
| 15                    | 16QAM      | 1       | 74        | 15.36                 | 15.29                    | 15.26                  |                     |          |  |          |  |
| 15                    | 16QAM      | 36      | 0         | 15.33                 | 15.34                    | 15.48                  |                     |          |  |          |  |
| 15                    | 16QAM      | 36      | 20        | 15.40                 | 15.36                    | 15.60                  |                     |          |  |          |  |
| 15                    | 16QAM      | 36      | 39        | 15.37                 | 15.37                    | 15.57                  | 16                  | 0        |  |          |  |
| 15                    | 16QAM      | 75      | 0         | 15.36                 | 15.33                    | 15.47                  |                     |          |  |          |  |
| 15                    | 64QAM      | 1       | 0         | 15.31                 | 15.29                    | 15.32                  |                     |          |  |          |  |
| 15                    | 64QAM      | 1       | 37        | 15.29                 | 15.28                    | 15.48                  | 16                  | 0        |  |          |  |
| 15                    | 64QAM      | 1       | 74        | 15.36                 | 15.38                    | 15.59                  |                     |          |  |          |  |
| 15                    | 64QAM      | 36      | 0         | 15.09                 | 15.12                    | 15.26                  |                     |          |  |          |  |
| 15                    | 64QAM      | 36      | 20        | 15.18                 | 15.14                    | 15.38                  |                     |          |  |          |  |
| 15                    | 64QAM      | 36      | 39        | 15.15                 | 15.15                    | 15.36                  | 16                  | 0        |  |          |  |
| 15                    | 64QAM      | 75      | 0         | 15.14                 | 15.11                    | 15.25                  |                     |          |  |          |  |
| Channel               |            |         |           | 20800                 | 21100                    | 21400                  | Tune-up limit (dBm) |          |  | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 2505                  | 2535                     | 2565                   |                     |          |  |          |  |
| 10                    | QPSK       | 1       | 0         | 15.36                 | 15.38                    | 15.55                  | 16                  | 0        |  |          |  |
| 10                    | QPSK       | 1       | 25        | 15.35                 | 15.38                    | 15.59                  |                     |          |  |          |  |
| 10                    | QPSK       | 1       | 49        | 15.23                 | 15.22                    | 15.44                  |                     |          |  |          |  |
| 10                    | QPSK       | 25      | 0         | 15.17                 | 15.20                    | 15.40                  |                     |          |  |          |  |
| 10                    | QPSK       | 25      | 12        | 15.19                 | 15.21                    | 15.46                  | 16                  | 0        |  |          |  |
| 10                    | QPSK       | 25      | 25        | 15.21                 | 15.20                    | 15.43                  |                     |          |  |          |  |
| 10                    | QPSK       | 50      | 0         | 15.22                 | 15.23                    | 15.41                  |                     |          |  |          |  |
| 10                    | 16QAM      | 1       | 0         | 15.20                 | 15.18                    | 15.42                  |                     |          |  |          |  |
| 10                    | 16QAM      | 1       | 25        | 15.20                 | 15.24                    | 15.42                  | 16                  | 0        |  |          |  |
| 10                    | 16QAM      | 1       | 49        | 15.24                 | 15.27                    | 15.44                  |                     |          |  |          |  |
| 10                    | 16QAM      | 25      | 0         | 15.32                 | 15.30                    | 15.53                  |                     |          |  |          |  |
| 10                    | 16QAM      | 25      | 12        | 15.35                 | 15.33                    | 15.54                  |                     |          |  |          |  |
| 10                    | 16QAM      | 25      | 25        | 15.33                 | 15.32                    | 15.56                  | 16                  | 0        |  |          |  |
| 10                    | 16QAM      | 50      | 0         | 15.31                 | 15.33                    | 15.55                  |                     |          |  |          |  |
| 10                    | 64QAM      | 1       | 0         | 15.25                 | 15.26                    | 15.42                  |                     |          |  |          |  |
| 10                    | 64QAM      | 1       | 25        | 15.24                 | 15.24                    | 15.46                  |                     |          |  |          |  |
| 10                    | 64QAM      | 1       | 49        | 15.32                 | 15.29                    | 15.55                  | 16                  | 0        |  |          |  |
| 10                    | 64QAM      | 25      | 0         | 15.09                 | 15.10                    | 15.32                  |                     |          |  |          |  |
| 10                    | 64QAM      | 25      | 12        | 15.14                 | 15.10                    | 15.34                  |                     |          |  |          |  |
| 10                    | 64QAM      | 25      | 25        | 15.11                 | 15.12                    | 15.35                  |                     |          |  |          |  |
| 10                    | 64QAM      | 50      | 0         | 15.09                 | 15.11                    | 15.32                  | 16                  | 0        |  |          |  |
| Channel               |            |         |           | 20775                 | 21100                    | 21425                  |                     |          |  |          |  |
| Frequency (MHz)       |            |         |           | 2502.5                | 2535                     | 2567.5                 |                     |          |  |          |  |
| 5                     | QPSK       | 1       | 0         | 15.35                 | 15.34                    | 15.54                  | 16                  | 0        |  |          |  |
| 5                     | QPSK       | 1       | 12        | 15.34                 | 15.37                    | 15.58                  |                     |          |  |          |  |
| 5                     | QPSK       | 1       | 24        | 15.19                 | 15.20                    | 15.41                  |                     |          |  |          |  |
| 5                     | QPSK       | 12      | 0         | 15.22                 | 15.19                    | 15.44                  |                     |          |  |          |  |
| 5                     | QPSK       | 12      | 7         | 15.26                 | 15.22                    | 15.46                  | 16                  | 0        |  |          |  |
| 5                     | QPSK       | 12      | 13        | 15.23                 | 15.22                    | 15.44                  |                     |          |  |          |  |
| 5                     | QPSK       | 25      | 0         | 15.19                 | 15.18                    | 15.42                  |                     |          |  |          |  |
| 5                     | 16QAM      | 1       | 0         | 15.17                 | 15.16                    | 15.43                  |                     |          |  |          |  |
| 5                     | 16QAM      | 1       | 12        | 15.18                 | 15.23                    | 15.40                  | 16                  | 0        |  |          |  |
| 5                     | 16QAM      | 1       | 24        | 15.15                 | 15.17                    | 15.46                  |                     |          |  |          |  |
| 5                     | 16QAM      | 12      | 0         | 15.33                 | 15.30                    | 15.54                  |                     |          |  |          |  |
| 5                     | 16QAM      | 12      | 7         | 15.37                 | 15.37                    | 15.60                  |                     |          |  |          |  |
| 5                     | 16QAM      | 12      | 13        | 15.35                 | 15.35                    | 15.58                  | 16                  | 0        |  |          |  |
| 5                     | 16QAM      | 25      | 0         | 15.30                 | 15.30                    | 15.52                  |                     |          |  |          |  |
| 5                     | 64QAM      | 1       | 0         | 15.20                 | 15.25                    | 15.48                  |                     |          |  |          |  |
| 5                     | 64QAM      | 1       | 12        | 15.20                 | 15.24                    | 15.50                  |                     |          |  |          |  |
| 5                     | 64QAM      | 1       | 24        | 15.32                 | 15.24                    | 15.50                  | 16                  | 0        |  |          |  |
| 5                     | 64QAM      | 12      | 0         | 15.10                 | 15.09                    | 15.33                  |                     |          |  |          |  |
| 5                     | 64QAM      | 12      | 7         | 15.13                 | 15.12                    | 15.37                  |                     |          |  |          |  |
| 5                     | 64QAM      | 12      | 13        | 15.13                 | 15.10                    | 15.34                  |                     |          |  |          |  |
| 5                     | 64QAM      | 25      | 0         | 15.09                 | 15.07                    | 15.31                  | 16                  | 0        |  |          |  |

| Band 66         |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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         |            |         |           | 132072                | 132322                   | 132572                 |                     |          |  |
| Frequency (MHz) |            |         |           | 1720                  | 1745                     | 1770                   |                     |          |  |
| 20              | QPSK       | 1       | 0         | 12.20                 | 12.45                    | 12.32                  | 13                  | 0        |  |
| 20              | QPSK       | 1       | 49        | 12.23                 | 12.24                    | 12.34                  |                     |          |  |
| 20              | QPSK       | 1       | 99        | 12.18                 | 12.26                    | 12.30                  |                     |          |  |
| 20              | QPSK       | 50      | 0         | 12.25                 | 12.35                    | 12.30                  | 13                  | 0        |  |
| 20              | QPSK       | 50      | 24        | 12.07                 | 12.03                    | 12.01                  |                     |          |  |
| 20              | QPSK       | 50      | 50        | 12.02                 | 12.03                    | 12.10                  |                     |          |  |
| 20              | QPSK       | 100     | 0         | 12.08                 | 12.23                    | 12.11                  | 13                  | 0        |  |
| 20              | 16QAM      | 1       | 0         | 12.37                 | 12.34                    | 12.34                  |                     |          |  |
| 20              | 16QAM      | 1       | 49        | 12.23                 | 12.33                    | 12.41                  |                     |          |  |
| 20              | 16QAM      | 1       | 99        | 12.20                 | 12.43                    | 12.43                  | 13                  | 0        |  |
| 20              | 16QAM      | 50      | 0         | 12.06                 | 12.11                    | 12.11                  |                     |          |  |
| 20              | 16QAM      | 50      | 24        | 12.15                 | 12.09                    | 12.12                  |                     |          |  |
| 20              | 16QAM      | 50      | 50        | 12.09                 | 12.04                    | 12.20                  | 13                  | 0        |  |
| 20              | 16QAM      | 100     | 0         | 12.14                 | 12.06                    | 12.08                  |                     |          |  |
| 20              | 64QAM      | 1       | 0         | 12.18                 | 12.16                    | 12.32                  |                     |          |  |
| 20              | 64QAM      | 1       | 49        | 12.22                 | 12.12                    | 12.40                  | 13                  | 0        |  |
| 20              | 64QAM      | 1       | 99        | 12.19                 | 12.30                    | 12.31                  |                     |          |  |
| 20              | 64QAM      | 50      | 0         | 12.06                 | 12.11                    | 12.12                  |                     |          |  |
| 20              | 64QAM      | 50      | 24        | 12.09                 | 12.10                    | 12.14                  | 13                  | 0        |  |
| 20              | 64QAM      | 50      | 50        | 12.09                 | 12.05                    | 12.16                  |                     |          |  |
| 20              | 64QAM      | 100     | 0         | 12.08                 | 12.07                    | 12.04                  |                     |          |  |
| Channel         |            |         |           | 132047                | 132322                   | 132597                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1717.5                | 1745                     | 1772.5                 |                     |          |  |
| 15              | QPSK       | 1       | 0         | 12.22                 | 12.34                    | 12.22                  | 13                  | 0        |  |
| 15              | QPSK       | 1       | 37        | 12.22                 | 12.19                    | 12.34                  |                     |          |  |
| 15              | QPSK       | 1       | 74        | 12.25                 | 12.16                    | 12.31                  |                     |          |  |
| 15              | QPSK       | 36      | 0         | 12.27                 | 12.31                    | 12.24                  | 13                  | 0        |  |
| 15              | QPSK       | 36      | 20        | 12.00                 | 12.02                    | 12.09                  |                     |          |  |
| 15              | QPSK       | 36      | 39        | 12.06                 | 11.93                    | 12.06                  |                     |          |  |
| 15              | QPSK       | 75      | 0         | 12.02                 | 12.00                    | 11.96                  | 13                  | 0        |  |
| 15              | 16QAM      | 1       | 0         | 12.39                 | 12.41                    | 12.34                  |                     |          |  |
| 15              | 16QAM      | 1       | 37        | 12.29                 | 12.25                    | 12.42                  |                     |          |  |
| 15              | 16QAM      | 1       | 74        | 12.27                 | 12.19                    | 12.44                  | 13                  | 0        |  |
| 15              | 16QAM      | 36      | 0         | 12.06                 | 12.05                    | 12.11                  |                     |          |  |
| 15              | 16QAM      | 36      | 20        | 12.11                 | 12.08                    | 12.23                  |                     |          |  |
| 15              | 16QAM      | 36      | 39        | 12.09                 | 12.01                    | 12.17                  | 13                  | 0        |  |
| 15              | 16QAM      | 75      | 0         | 12.14                 | 12.05                    | 12.10                  |                     |          |  |
| 15              | 64QAM      | 1       | 0         | 12.25                 | 12.32                    | 12.25                  |                     |          |  |
| 15              | 64QAM      | 1       | 37        | 12.26                 | 12.38                    | 12.30                  | 13                  | 0        |  |
| 15              | 64QAM      | 1       | 74        | 12.20                 | 12.20                    | 12.25                  |                     |          |  |
| 15              | 64QAM      | 1       | 74        | 12.11                 | 12.11                    | 12.09                  |                     |          |  |
| 15              | 64QAM      | 36      | 0         | 12.11                 | 12.11                    | 12.27                  | 13                  | 0        |  |
| 15              | 64QAM      | 36      | 20        | 12.14                 | 12.14                    | 12.20                  |                     |          |  |
| 15              | 64QAM      | 36      | 39        | 12.21                 | 12.07                    | 12.21                  |                     |          |  |
| 15              | 64QAM      | 75      | 0         | 12.13                 | 12.06                    | 12.08                  |                     |          |  |
| Channel         |            |         |           | 132022                | 132322                   | 132622                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1715                  | 1745                     | 1775                   |                     |          |  |
| 10              | QPSK       | 1       | 0         | 12.25                 | 12.29                    | 12.37                  | 13                  | 0        |  |
| 10              | QPSK       | 1       | 25        | 12.25                 | 12.27                    | 12.34                  |                     |          |  |
| 10              | QPSK       | 1       | 49        | 12.21                 | 12.17                    | 12.31                  |                     |          |  |
| 10              | QPSK       | 25      | 0         | 12.25                 | 12.27                    | 12.38                  | 13                  | 0        |  |
| 10              | QPSK       | 25      | 12        | 11.99                 | 11.97                    | 12.04                  |                     |          |  |
| 10              | QPSK       | 25      | 25        | 11.91                 | 11.97                    | 12.02                  |                     |          |  |
| 10              | QPSK       | 50      | 0         | 11.94                 | 12.00                    | 12.04                  | 13                  | 0        |  |
| 10              | 16QAM      | 1       | 0         | 12.39                 | 12.43                    | 12.42                  |                     |          |  |
| 10              | 16QAM      | 1       | 25        | 12.43                 | 12.28                    | 12.40                  |                     |          |  |
| 10              | 16QAM      | 1       | 49        | 12.30                 | 12.33                    | 12.41                  | 13                  | 0        |  |
| 10              | 16QAM      | 25      | 0         | 12.10                 | 12.12                    | 12.23                  |                     |          |  |
| 10              | 16QAM      | 25      | 12        | 12.02                 | 12.14                    | 12.20                  |                     |          |  |
| 10              | 16QAM      | 25      | 25        | 12.02                 | 12.02                    | 12.13                  | 13                  | 0        |  |
| 10              | 16QAM      | 50      | 0         | 12.10                 | 12.06                    | 12.19                  |                     |          |  |
| 10              | 64QAM      | 1       | 0         | 12.33                 | 12.36                    | 12.30                  |                     |          |  |
| 10              | 64QAM      | 1       | 25        | 12.27                 | 12.31                    | 12.41                  | 13                  | 0        |  |
| 10              | 64QAM      | 1       | 49        | 12.26                 | 12.23                    | 12.23                  |                     |          |  |
| 10              | 64QAM      | 25      | 0         | 12.11                 | 12.13                    | 12.21                  |                     |          |  |
| 10              | 64QAM      | 25      | 12        | 12.11                 | 12.15                    | 12.16                  | 13                  | 0        |  |
| 10              | 64QAM      | 25      | 25        | 12.06                 | 12.06                    | 12.13                  |                     |          |  |
| 10              | 64QAM      | 50      | 0         | 12.10                 | 12.09                    | 12.16                  |                     |          |  |
| Channel         |            |         |           | 131192                | 132222                   | 132647                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1719.5                | 1745                     | 1777.5                 |                     |          |  |
| 5               | QPSK       | 1       | 0         | 12.26                 | 12.29                    | 12.35                  | 13                  | 0        |  |
| 5               | QPSK       | 1       | 12        | 12.25                 | 12.21                    | 12.38                  |                     |          |  |
| 5               | QPSK       | 1       | 24        | 12.25                 | 12.24                    | 12.32                  |                     |          |  |
| 5               | QPSK       | 12      | 0         | 12.24                 | 12.28                    | 12.35                  | 13                  | 0        |  |
| 5               | QPSK       | 12      | 7         | 12.03                 | 11.99                    | 12.09                  |                     |          |  |
| 5               | QPSK       | 12      | 13        | 11.96                 | 11.96                    | 12.03                  |                     |          |  |
| 5               | QPSK       | 25      | 0         | 11.99                 | 11.95                    | 12.04                  | 13                  | 0        |  |
| 5               | 16QAM      | 1       | 0         | 12.39                 | 12.43                    | 12.42                  |                     |          |  |
| 5               | 16QAM      | 1       | 12        | 12.43                 | 12.39                    | 12.36                  |                     |          |  |
| 5               | 16QAM      | 1       | 24        | 12.31                 | 12.33                    | 12.45                  | 13                  | 0        |  |
| 5               | 16QAM      | 12      | 0         | 12.10                 | 12.09                    | 12.20                  |                     |          |  |
| 5               | 16QAM      | 12      | 7         | 12.13                 | 12.14                    | 12.21                  |                     |          |  |
| 5               | 16QAM      | 12      | 13        | 12.10                 | 12.06                    | 12.20                  | 13                  | 0        |  |
| 5               | 16QAM      | 25      | 0         | 12.04                 | 12.10                    | 12.18                  |                     |          |  |
| 5               | 64QAM      | 1       | 0         | 12.24                 | 12.24                    | 12.29                  |                     |          |  |
| 5               | 64QAM      | 1       | 12        | 12.22                 | 12.37                    | 12.30                  | 13                  | 0        |  |
| 5               | 64QAM      | 1       | 24        | 12.24                 | 12.24                    | 12.24                  |                     |          |  |
| 5               | 64QAM      | 12      | 0         | 12.15                 | 12.14                    | 12.25                  |                     |          |  |
| 5               | 64QAM      | 12      | 7         | 12.18                 | 12.21                    | 12.28                  | 13                  | 0        |  |
| 5               | 64QAM      | 12      | 13        | 12.09                 | 12.10                    | 12.20                  |                     |          |  |
| 5               | 64QAM      | 25      | 0         | 12.07                 | 12.12                    | 12.16                  |                     |          |  |
| Channel         |            |         |           | 131987                | 132322                   | 132657                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1711.5                | 1745                     | 1778.5                 |                     |          |  |
| 3               | QPSK       | 1       | 0         | 12.28                 | 12.27                    | 12.32                  | 13                  | 0        |  |
| 3               | QPSK       | 1       | 8         | 12.26                 | 12.24                    | 12.34                  |                     |          |  |
| 3               | QPSK       | 1       | 14        | 12.23                 | 12.24                    | 12.31                  |                     |          |  |
| 3               | QPSK       | 8       | 0         | 12.24                 | 12.31                    | 12.35                  | 13                  | 0        |  |
| 3               | QPSK       | 8       | 4         | 12.01                 | 11.99                    | 12.12                  |                     |          |  |
| 3               | QPSK       | 8       | 7         | 11.98                 | 11.96                    | 12.05                  |                     |          |  |
| 3               | QPSK       | 15      | 0         | 11.96                 | 11.98                    | 12.01                  | 13                  | 0        |  |
| 3               | 16QAM      | 1       | 0         | 12.36                 | 12.38                    | 12.43                  |                     |          |  |
| 3               | 16QAM      | 1       | 8         | 12.32                 | 12.36                    | 12.42                  |                     |          |  |
| 3               | 16QAM      | 1       | 14        | 12.31                 | 12.22                    | 12.38                  | 13                  | 0        |  |
| 3               | 16QAM      | 8       | 0         | 12.13                 | 12.12                    | 12.26                  |                     |          |  |
| 3               | 16QAM      | 8       | 4         | 12.16                 | 12.19                    | 12.27                  |                     |          |  |
| 3               | 16QAM      | 8       | 7         | 12.13                 | 12.17                    | 12.22                  | 13                  | 0        |  |
| 3               | 16QAM      | 15      | 0         | 12.07                 | 12.12                    | 12.19                  |                     |          |  |
| 3               | 64QAM      | 1       | 0         | 12.16                 | 12.20                    | 12.33                  |                     |          |  |
| 3               | 64QAM      | 1       | 8         | 12.24                 | 12.25                    | 12.37                  | 13                  | 0        |  |
| 3               | 64QAM      | 1       | 14        | 12.16                 | 12.21                    | 12.32                  |                     |          |  |
| 3               | 64QAM      | 8       | 0         | 12.07                 | 12.08                    | 12.21                  |                     |          |  |
| 3               | 64QAM      | 8       | 4         | 12.16                 | 12.16                    | 12.19                  | 13                  | 0        |  |
| 3               | 64QAM      | 8       | 7         | 12.12                 | 12.12                    | 12.16                  |                     |          |  |
| 3               | 64QAM      | 15      | 0         | 12.06                 | 12.06                    | 12.15                  |                     |          |  |
| Channel         |            |         |           | 131999                | 132322                   | 132665                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1710.7                | 1745                     | 1779.3                 |                     |          |  |
| 1.4             | QPSK       | 1       | 0         | 12.22                 | 12.21                    | 12.23                  | 13                  | 0        |  |
| 1.4             | QPSK       | 1       | 3         | 12.24                 | 12.28                    | 12.31                  |                     |          |  |
| 1.4             | QPSK       | 1       | 5         | 12.15                 | 12.21                    | 12.22                  |                     |          |  |
| 1.4             | QPSK       | 3       | 0         | 12.22                 | 12.26                    | 12.30                  | 13                  | 0        |  |
| 1.4             | QPSK       | 3       | 1         | 12.29                 | 12.29                    | 12.33                  |                     |          |  |
| 1.4             | QPSK       | 3       | 3         | 12.25                 | 12.23                    | 12.29                  |                     |          |  |
| 1.4             | QPSK       | 6       | 0         | 12.21                 | 12.23                    | 12.27                  | 13                  | 0        |  |
| 1.4             | 16QAM      | 1       | 0         | 12.20                 | 12.20                    | 12.23                  |                     |          |  |
| 1.4             | 16QAM      | 1       | 3         | 12.29                 | 12.28                    | 12.31                  |                     |          |  |
| 1.4             | 16QAM      | 1       | 5         | 12.19                 | 12.16                    | 12.27                  | 13                  | 0        |  |
| 1.4             | 16QAM      | 3       | 0         | 11.90                 | 11.84                    | 12.04                  |                     |          |  |
| 1.4             | 16QAM      | 3       | 1         | 11.99                 | 12.00                    | 12.09                  |                     |          |  |
| 1.4             | 16QAM      | 3       | 3         | 11.96                 | 11.97                    | 12.05                  | 13                  | 0        |  |
| 1.4             | 16QAM      | 6       | 0         | 12.04                 | 11.99                    | 12.11                  |                     |          |  |
| 1.4             | 64QAM      | 1       | 0         | 12.03                 | 12.04                    | 12.17                  |                     |          |  |
| 1.4             | 64QAM      | 1       | 3         | 12.17                 | 12.09                    | 12.23                  | 13                  | 0        |  |
| 1.4             | 64QAM      | 1       | 6         | 12.06                 | 12.06                    | 12.06                  |                     |          |  |
| 1.4             | 64QAM      | 3       | 0         | 11.96                 | 12.00                    | 12.03                  |                     |          |  |
| 1.4             | 64QAM      | 3       | 1         | 12.03                 | 12.05                    | 12.13                  | 13                  | 0        |  |
| 1.4             | 64QAM      | 3       | 3         | 12.00                 | 12.01                    | 12.06                  |                     |          |  |
| 1.4             | 64QAM      | 6       | 0         | 11.95                 | 11.90                    | 12.02                  |                     |          |  |

**Band 38(only on channel required)**

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           | 37850                 | 38000                    | 38150                  | 19.5                | 0        |
| Frequency (MHz) |            |         |           | 2580                  | 2595                     | 2610                   |                     |          |
| 20              | QPSK       | 1       | 0         | 19.23                 | 19.23                    | 19.22                  |                     |          |
| 20              | QPSK       | 1       | 49        | 19.27                 | 19.25                    | 19.24                  | 19.5                | 0        |
| 20              | QPSK       | 1       | 99        | 19.25                 | 19.29                    | 19.20                  |                     |          |
| 20              | QPSK       | 50      | 0         | 19.01                 | 18.98                    | 19.02                  |                     |          |
| 20              | QPSK       | 50      | 24        | 19.03                 | 19.02                    | 19.00                  | 19.5                | 0        |
| 20              | QPSK       | 50      | 50        | 19.04                 | 19.01                    | 19.04                  |                     |          |
| 20              | QPSK       | 100     | 0         | 19.03                 | 19.02                    | 19.02                  |                     |          |
| 20              | 16QAM      | 1       | 0         | 19.14                 | 19.11                    | 19.14                  | 19.5                | 0        |
| 20              | 16QAM      | 1       | 49        | 19.16                 | 19.12                    | 19.16                  |                     |          |
| 20              | 16QAM      | 1       | 99        | 19.22                 | 19.17                    | 19.24                  |                     |          |
| 20              | 16QAM      | 50      | 0         | 19.14                 | 19.07                    | 19.12                  | 19.5                | 0        |
| 20              | 16QAM      | 50      | 24        | 19.13                 | 19.13                    | 19.12                  |                     |          |
| 20              | 16QAM      | 50      | 50        | 19.17                 | 19.12                    | 19.17                  |                     |          |
| 20              | 16QAM      | 100     | 0         | 19.14                 | 19.11                    | 19.10                  | 19.5                | 0        |
| 20              | 64QAM      | 1       | 0         | 18.88                 | 18.81                    | 18.88                  |                     |          |
| 20              | 64QAM      | 1       | 49        | 18.88                 | 18.84                    | 18.88                  |                     |          |
| 20              | 64QAM      | 1       | 99        | 18.94                 | 18.91                    | 18.91                  | 19.5                | 0        |
| 20              | 64QAM      | 50      | 0         | 19.07                 | 19.03                    | 19.06                  |                     |          |
| 20              | 64QAM      | 50      | 24        | 19.06                 | 19.09                    | 19.07                  |                     |          |
| 20              | 64QAM      | 50      | 50        | 19.10                 | 19.05                    | 19.09                  | 19.5                | 0        |
| 20              | 64QAM      | 100     | 0         | 19.18                 | 19.15                    | 19.18                  |                     |          |
| Channel         |            |         |           | 37925                 | 38000                    | 38175                  | 19.5                | 0        |
| Frequency (MHz) |            |         |           | 2577.5                | 2595                     | 2612.5                 |                     |          |
| 15              | QPSK       | 1       | 0         | 18.91                 | 18.92                    | 18.93                  |                     |          |
| 15              | QPSK       | 1       | 37        | 18.94                 | 18.90                    | 18.90                  | 19.5                | 0        |
| 15              | QPSK       | 1       | 74        | 19.01                 | 19.01                    | 19.02                  |                     |          |
| 15              | QPSK       | 36      | 0         | 18.93                 | 18.91                    | 18.98                  | 19.5                | 0        |
| 15              | QPSK       | 36      | 20        | 18.98                 | 18.98                    | 19.02                  |                     |          |
| 15              | QPSK       | 36      | 39        | 18.96                 | 18.97                    | 19.00                  |                     |          |
| 15              | QPSK       | 75      | 0         | 18.95                 | 18.97                    | 18.97                  | 19.5                | 0        |
| 15              | 16QAM      | 1       | 0         | 19.10                 | 19.10                    | 19.15                  |                     |          |
| 15              | 16QAM      | 1       | 37        | 19.09                 | 19.07                    | 19.09                  |                     |          |
| 15              | 16QAM      | 1       | 74        | 19.21                 | 19.23                    | 19.20                  | 19.5                | 0        |
| 15              | 16QAM      | 36      | 0         | 19.04                 | 19.00                    | 19.00                  |                     |          |
| 15              | 16QAM      | 36      | 20        | 19.09                 | 19.02                    | 19.04                  |                     |          |
| 15              | 16QAM      | 36      | 39        | 19.10                 | 19.05                    | 19.08                  | 19.5                | 0        |
| 15              | 16QAM      | 75      | 0         | 19.09                 | 19.06                    | 19.06                  |                     |          |
| 15              | 64QAM      | 1       | 0         | 18.84                 | 18.83                    | 18.82                  |                     |          |
| 15              | 64QAM      | 1       | 37        | 18.81                 | 18.77                    | 18.78                  | 19.5                | 0        |
| 15              | 64QAM      | 1       | 74        | 18.93                 | 18.89                    | 18.93                  |                     |          |
| 15              | 64QAM      | 36      | 0         | 19.05                 | 19.04                    | 19.10                  |                     |          |
| 15              | 64QAM      | 36      | 20        | 19.11                 | 19.11                    | 19.07                  | 19.5                | 0        |
| 15              | 64QAM      | 36      | 39        | 19.11                 | 19.12                    | 19.14                  |                     |          |
| 15              | 64QAM      | 75      | 0         | 19.10                 | 19.08                    | 19.09                  |                     |          |
| Channel         |            |         |           | 37900                 | 38000                    | 38200                  | 19.5                | 0        |
| Frequency (MHz) |            |         |           | 2575                  | 2595                     | 2615                   |                     |          |
| 10              | QPSK       | 1       | 0         | 18.89                 | 18.85                    | 18.90                  |                     |          |
| 10              | QPSK       | 1       | 25        | 18.89                 | 18.87                    | 18.91                  | 19.5                | 0        |
| 10              | QPSK       | 1       | 49        | 18.96                 | 18.96                    | 18.98                  |                     |          |
| 10              | QPSK       | 25      | 0         | 18.88                 | 18.87                    | 18.89                  | 19.5                | 0        |
| 10              | QPSK       | 25      | 12        | 18.94                 | 18.92                    | 18.96                  |                     |          |
| 10              | QPSK       | 25      | 25        | 18.92                 | 18.93                    | 18.94                  |                     |          |
| 10              | QPSK       | 50      | 0         | 18.96                 | 18.96                    | 18.97                  | 19.5                | 0        |
| 10              | 16QAM      | 1       | 0         | 19.05                 | 19.05                    | 19.05                  |                     |          |
| 10              | 16QAM      | 1       | 25        | 19.05                 | 19.05                    | 19.06                  |                     |          |
| 10              | 16QAM      | 1       | 49        | 19.11                 | 19.05                    | 19.15                  | 19.5                | 0        |
| 10              | 16QAM      | 25      | 0         | 19.04                 | 19.03                    | 19.05                  |                     |          |
| 10              | 16QAM      | 25      | 12        | 19.06                 | 19.05                    | 19.08                  |                     |          |
| 10              | 16QAM      | 25      | 25        | 19.08                 | 19.08                    | 19.07                  | 19.5                | 0        |
| 10              | 16QAM      | 50      | 0         | 19.07                 | 19.05                    | 19.08                  |                     |          |
| 10              | 64QAM      | 1       | 0         | 18.79                 | 18.78                    | 18.81                  |                     |          |
| 10              | 64QAM      | 1       | 25        | 18.79                 | 18.74                    | 18.79                  | 19.5                | 0        |
| 10              | 64QAM      | 1       | 49        | 18.82                 | 18.83                    | 18.88                  |                     |          |
| 10              | 64QAM      | 25      | 0         | 18.98                 | 18.98                    | 19.00                  |                     |          |
| 10              | 64QAM      | 25      | 12        | 19.03                 | 19.03                    | 19.04                  | 19.5                | 0        |
| 10              | 64QAM      | 25      | 25        | 19.01                 | 19.01                    | 19.05                  |                     |          |
| 10              | 64QAM      | 50      | 0         | 19.00                 | 18.96                    | 18.99                  |                     |          |
| Channel         |            |         |           | 37775                 | 38000                    | 38225                  | 19.5                | 0        |
| Frequency (MHz) |            |         |           | 2572.5                | 2595                     | 2617.5                 |                     |          |
| 5               | QPSK       | 1       | 0         | 18.90                 | 18.84                    | 18.91                  |                     |          |
| 5               | QPSK       | 1       | 12        | 18.92                 | 18.93                    | 18.95                  | 19.5                | 0        |
| 5               | QPSK       | 1       | 24        | 18.85                 | 18.84                    | 18.92                  |                     |          |
| 5               | QPSK       | 12      | 0         | 18.95                 | 18.90                    | 18.95                  | 19.5                | 0        |
| 5               | QPSK       | 12      | 7         | 18.96                 | 18.93                    | 19.00                  |                     |          |
| 5               | QPSK       | 12      | 13        | 18.96                 | 18.92                    | 18.99                  |                     |          |
| 5               | QPSK       | 25      | 0         | 18.94                 | 18.91                    | 18.96                  | 19.5                | 0        |
| 5               | 16QAM      | 1       | 0         | 19.04                 | 19.04                    | 19.07                  |                     |          |
| 5               | 16QAM      | 1       | 12        | 19.08                 | 19.07                    | 19.09                  |                     |          |
| 5               | 16QAM      | 1       | 24        | 19.11                 | 19.08                    | 19.13                  | 19.5                | 0        |
| 5               | 16QAM      | 12      | 0         | 19.00                 | 18.96                    | 19.03                  |                     |          |
| 5               | 16QAM      | 12      | 7         | 19.04                 | 19.04                    | 19.05                  |                     |          |
| 5               | 16QAM      | 12      | 13        | 19.03                 | 19.03                    | 19.05                  | 19.5                | 0        |
| 5               | 16QAM      | 25      | 0         | 19.07                 | 19.06                    | 19.12                  |                     |          |
| 5               | 64QAM      | 1       | 0         | 18.81                 | 18.79                    | 18.85                  |                     |          |
| 5               | 64QAM      | 1       | 12        | 18.83                 | 18.75                    | 18.82                  | 19.5                | 0        |
| 5               | 64QAM      | 1       | 24        | 18.85                 | 18.78                    | 18.87                  |                     |          |
| 5               | 64QAM      | 12      | 0         | 18.99                 | 18.97                    | 19.01                  |                     |          |
| 5               | 64QAM      | 12      | 7         | 19.05                 | 19.00                    | 19.06                  | 19.5                | 0        |
| 5               | 64QAM      | 12      | 13        | 19.04                 | 19.00                    | 19.04                  |                     |          |
| 5               | 64QAM      | 25      | 0         | 18.99                 | 19.00                    | 19.04                  |                     |          |

**Band 41 (2.6G Band)**

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Low Middle Ch. / Freq. | Power Middle Ch. / Freq. | Power High Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|------------------------------|--------------------------|-------------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           | 40140                 | 40390                        | 40640                    | 40890                         | 41140                  | 19.5                | 0        |
| Frequency (MHz) |            |         |           | 2545                  | 2570                         | 2595                     | 2620                          | 2645                   |                     |          |
| 20              | QPSK       | 1       | 0         | 19.16                 | 19.11                        | 19.15                    | 19.32                         | 19.23                  |                     |          |
| 20              | QPSK       | 1       | 49        | 19.00                 | 19.00                        | 19.12                    | 19.00                         | 19.12                  | 19.5                | 0        |
| 20              | QPSK       | 1       | 99        | 19.03                 | 18.92                        | 19.10                    | 18.96                         | 19.12                  |                     |          |
| 20              | QPSK       | 50      | 0         | 19.11                 | 19.11                        | 19.14                    | 19.23                         | 19.22                  |                     |          |
| 20              | QPSK       | 50      | 24        | 19.08                 | 19.08                        | 19.14                    | 19.10                         | 19.19                  | 19.5                | 0        |
| 20              | QPSK       | 50      | 50        | 19.11                 | 19.00                        | 19.08                    | 19.03                         | 19.18                  |                     |          |
| 20              | QPSK       | 100     | 0         | 19.16                 | 19.05                        | 19.09                    | 19.20                         | 19.19                  |                     |          |
| 20              | 16QAM      | 1       | 0         | 19.25                 | 19.30                        | 19.31                    | 19.29                         | 19.15                  | 19.5                | 0        |
| 20              | 16QAM      | 1       | 49        | 19.20                 | 19.16                        | 19.21                    | 19.18                         | 19.30                  |                     |          |
| 20              | 16QAM      | 1       | 99        | 19.22                 | 19.07                        | 19.23                    | 19.12                         | 19.28                  |                     |          |
| 20              | 16QAM      | 50      | 0         | 19.26                 | 19.22                        | 19.14                    | 19.22                         | 19.31                  | 19.5                | 0        |
| 20              | 16QAM      | 50      | 24        | 19.25                 | 19.17                        | 19.09                    | 19.17                         | 19.27                  |                     |          |
| 20              | 16QAM      | 50      | 50        | 19.30                 | 19.11                        | 19.12                    | 19.11                         | 19.27                  |                     |          |
| 20              | 16QAM      | 100     | 0         | 19.30                 | 19.16                        | 19.15                    | 19.13                         | 19.26                  | 19.5                | 0        |
| 20              | 64QAM      | 1       | 0         | 19.05                 | 19.07                        | 18.93                    | 19.01                         | 19.10                  |                     |          |
| 20              | 64QAM      | 1       | 49        | 18.92                 | 18.85                        | 18.84                    | 18.87                         | 18.97                  |                     |          |
| 20              | 64QAM      | 1       | 99        | 18.95                 | 18.79                        | 18.64                    | 18.80                         | 18.96                  | 19.5                | 0        |
| 20              | 64QAM      | 50      | 0         | 18.71                 | 18.68                        | 19.01                    | 18.63                         | 18.77                  |                     |          |
| 20              | 64QAM      | 50      | 24        | 18.69                 | 18.62                        | 18.92                    | 18.63                         | 18.75                  |                     |          |
| 20              | 64QAM      | 50      | 50        | 18.73                 | 18.57                        | 18.87                    | 18.55                         | 18.70                  | 19.5                | 0        |
| 20              | 64QAM      | 100     | 0         | 18.85                 | 18.71                        | 18.99                    | 18.68                         | 18.80                  |                     |          |
| Channel         |            |         |           | 40115                 | 40378                        | 40640                    | 40903                         | 41165                  |                     |          |
| Frequency (MHz) |            |         |           | 2542.5                | 2568.8                       | 2595                     | 2621.3                        | 2647.5                 | Tune-up limit (dBm) | MPR (dB) |
| 15              | QPSK       | 1       | 0         | 18.99                 | 19.08                        | 19.10                    | 19.08                         | 19.14                  | 19.5                | 0        |
| 15              | QPSK       | 1       | 37        | 18.94                 | 18.98                        | 18.98                    | 19.09                         | 19.12                  |                     |          |
| 15              | QPSK       | 1       | 74        | 18.94                 | 18.94                        | 19.02                    | 19.09                         | 19.10                  |                     |          |
| 15              | QPSK       | 36      | 0         | 18.98                 | 19.01                        | 19.02                    | 19.09                         | 19.14                  | 19.5                | 0        |
| 15              | QPSK       | 36      | 20        | 18.91                 | 19.00                        | 19.03                    | 19.12                         | 19.14                  |                     |          |
| 15              | QPSK       | 36      | 39        | 18.90                 | 18.92                        | 18.94                    | 19.08                         | 19.08                  |                     |          |
| 15              | QPSK       | 75      | 0         | 18.90                 | 18.97                        | 19.03                    | 19.14                         | 19.09                  | 19.5                | 0        |
| 15              | 16QAM      | 1       | 0         | 19.23                 | 19.25                        | 19.27                    | 19.28                         | 19.31                  |                     |          |
| 15              | 16QAM      | 1       | 37        | 19.19                 | 19.13                        | 19.13                    | 19.25                         | 19.21                  |                     |          |
| 15              | 16QAM      | 1       | 74        | 19.16                 | 19.09                        | 19.16                    | 19.20                         | 19.23                  | 19.5                | 0        |
| 15              | 16QAM      | 36      | 0         | 19.11                 | 19.06                        | 19.11                    | 19.19                         | 19.14                  |                     |          |
| 15              | 16QAM      | 36      | 20        | 19.10                 | 19.04                        | 19.10                    | 19.23                         | 19.09                  |                     |          |
| 15              | 16QAM      | 36      | 39        | 19.07                 | 19.00                        | 19.04                    | 19.16                         | 19.12                  | 19.5                | 0        |
| 15              | 16QAM      | 75      | 0         | 19.14                 | 19.09                        | 19.10                    | 19.22                         | 19.15                  |                     |          |
| 15              | 64QAM      | 1       | 0         | 18.98                 | 18.92                        | 18.78                    | 18.60                         | 18.93                  |                     |          |
| 15              | 64QAM      | 1       | 37        | 18.86                 | 18.83                        | 18.70                    | 18.73                         | 18.84                  | 19.5                | 0        |
| 15              | 64QAM      | 1       | 74        | 18.87                 | 18.78                        | 18.69                    | 18.67                         | 18.64                  |                     |          |
| 15              | 64QAM      | 36      | 0         | 18.92                 | 18.81                        | 18.80                    | 18.58                         | 19.01                  |                     |          |
| 15              | 64QAM      | 36      | 20        | 18.87                 | 18.82                        | 18.80                    | 18.64                         | 18.92                  | 19.5                | 0        |
| 15              | 64QAM      | 36      | 39        | 18.99                 | 18.75                        | 18.78                    | 18.81                         | 18.89                  |                     |          |
| 15              | 64QAM      | 75      | 0         | 18.85                 | 18.83                        | 18.82                    | 18.93                         | 18.97                  |                     |          |
| Channel         |            |         |           | 40090                 | 40365                        | 40640                    | 40915                         | 41190                  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2540                  | 2567.5                       | 2595                     | 2622.5                        | 2650                   | 19.5                | 0        |
| 10              | QPSK       | 1       | 0         | 19.09                 | 18.99                        | 19.01                    | 18.99                         | 19.01                  |                     |          |
| 10              | QPSK       | 1       | 25        | 19.09                 | 18.92                        | 18.91                    | 18.93                         | 19.00                  |                     |          |
| 10              | QPSK       | 1       | 49        | 19.09                 | 18.92                        | 18.98                    | 18.96                         | 19.00                  | 19.5                | 0        |
| 10              | QPSK       | 25      | 0         | 19.09                 | 18.94                        | 18.97                    | 19.00                         | 19.03                  |                     |          |
| 10              | QPSK       | 25      | 12        | 19.12                 | 18.98                        | 18.97                    | 18.96                         | 19.04                  |                     |          |
| 10              | QPSK       | 25      | 25        | 19.08                 | 18.93                        | 18.96                    | 18.95                         | 19.04                  | 19.5                | 0        |
| 10              | QPSK       | 50      | 0         | 19.14                 | 18.99                        | 18.98                    | 19.13                         | 19.07                  |                     |          |
| 10              | 16QAM      | 1       | 0         | 19.28                 | 19.13                        | 19.05                    | 19.14                         | 19.20                  |                     |          |
| 10              | 16QAM      | 1       | 25        | 19.25                 | 19.04                        | 18.96                    | 19.11                         | 19.04                  | 19.5                | 0        |
| 10              | 16QAM      | 1       | 49        | 19.20                 | 18.96                        | 18.98                    | 19.06                         | 19.07                  |                     |          |
| 10              | 16QAM      | 25      | 0         | 19.19                 | 19.05                        | 18.98                    | 19.06                         | 19.00                  |                     |          |
| 10              | 16QAM      | 25      | 12        | 19.23                 | 19.02                        | 18.97                    | 19.03                         | 19.03                  | 19.5                | 0        |
| 10              | 16QAM      | 25      | 25        | 19.16                 | 18.95                        | 19.00                    | 19.08                         | 19.07                  |                     |          |
| 10              | 16QAM      | 50      | 0         | 19.22                 | 19.04                        | 19.04                    | 18.92                         | 19.07                  |                     |          |
| 10              | 64QAM      | 1       | 0         | 18.60                 | 18.73                        | 18.65                    | 18.96                         | 18.98                  | 19.5                | 0        |
| 10              | 64QAM      | 1       | 25        | 18.73                 | 18.69                        | 19.00                    | 19.01                         | 19.05                  |                     |          |
| 10              | 64QAM      | 1       | 49        | 18.67                 | 18.67                        | 19.04                    | 18.97                         | 18.96                  |                     |          |
| 10              | 64QAM      | 25      | 0         | 18.78                 | 19.00                        | 18.74                    | 18.57                         | 18.54                  | 19.5                | 0        |
| 10              | 64QAM      | 25      | 12        | 18.84                 | 19.00                        | 18.78                    | 18.58                         | 18.51                  |                     |          |
| 10              | 64QAM      | 25      | 25        | 19.01                 | 19.01                        | 18.84                    | 18.58                         | 18.54                  |                     |          |
| 10              | 64QAM      | 50      | 0         | 18.51                 | 19.00                        | 18.68                    | 18.61                         | 18.54                  | 19.5                | 0        |
| Channel         |            |         |           | 40065                 | 40353                        | 40640                    | 40928                         | 41215                  |                     |          |
| Frequency (MHz) |            |         |           | 2537.5                | 2566.3                       | 2595                     | 2623.80                       | 2652.5                 |                     |          |
| 5               | QPSK       | 1       | 0         | 19.04                 | 18.97                        | 18.95                    | 19.00                         | 19.07                  | 19.5                | 0        |
| 5               | QPSK       | 1       | 12        | 19.06                 | 18.99                        | 18.96                    | 19.00                         | 19.08                  |                     |          |
| 5               | QPSK       | 1       | 24        | 18.99                 | 18.93                        | 18.95                    | 19.03                         | 19.05                  |                     |          |
| 5               | QPSK       | 12      | 0         | 19.07                 | 18.96                        | 19.00                    | 19.04                         | 19.07                  | 19.5                | 0        |
| 5               | QPSK       | 12      | 7         | 19.09                 | 19.00                        | 19.03                    | 19.04                         | 19.11                  |                     |          |
| 5               | QPSK       | 12      | 13        | 19.08                 | 18.96                        | 18.99                    | 19.07                         | 19.09                  |                     |          |
| 5               | QPSK       | 25      | 0         | 19.05                 | 18.95                        | 18.96                    | 19.20                         | 19.05                  | 19.5                | 0        |
| 5               | 16QAM      | 1       | 0         | 19.21                 | 19.13                        | 19.11                    | 19.04                         | 19.24                  |                     |          |
| 5               | 16QAM      | 1       | 12        | 19.21                 | 19.14                        | 19.10                    | 19.07                         | 19.26                  |                     |          |
| 5               | 16QAM      | 1       | 24        | 19.20                 | 19.11                        | 19.09                    | 19.00                         | 19.22                  | 19.5                | 0        |
| 5               | 16QAM      | 12      | 0         | 19.11                 | 19.06                        | 19.02                    | 19.03                         | 19.14                  |                     |          |
| 5               | 16QAM      | 12      | 7         | 19.14                 | 19.06                        | 19.04                    | 19.07                         | 19.15                  |                     |          |
| 5               | 16QAM      | 12      | 13        | 19.11                 | 19.03                        | 19.02                    | 19.07                         | 19.16                  | 19.5                | 0        |
| 5               | 16QAM      | 25      | 0         | 19.18                 | 19.08                        | 19.05                    | 18.98                         | 19.18                  |                     |          |
| 5               | 64QAM      | 1       | 0         | 18.98                 | 18.92                        | 18.94                    | 19.05                         | 19.03                  |                     |          |
| 5               | 64QAM      | 1       | 12        | 19.01                 | 18.96                        | 18.93                    | 18.96                         | 19.03                  | 19.5                | 0        |
| 5               | 64QAM      | 1       | 24        | 18.97                 | 18.91                        | 18.91                    | 18.93                         | 19.02                  |                     |          |
| 5               | 64QAM      | 12      | 0         | 18.57                 | 18.54                        | 18.50                    | 18.51                         | 18.63                  |                     |          |
| 5               | 64QAM      | 12      | 7         | 18.58                 | 18.53                        | 18.53                    | 18.54                         | 18.67                  | 19.5                | 0        |
| 5               | 64QAM      | 12      | 13        | 18.58                 | 18.50                        | 18.51                    | 18.54                         | 18.63                  |                     |          |
| 5               | 64QAM      | 25      | 0         | 18.61                 | 18.70                        | 18.50                    | 18.68                         | 18.64                  |                     |          |

## Reduced Power Mode for Handheld on

| Band            |                    | WCDMA II |       |        | Tune-up<br>Limit<br>(dBm) | WCDMA IV |        |        | Tune-up<br>Limit<br>(dBm) |
|-----------------|--------------------|----------|-------|--------|---------------------------|----------|--------|--------|---------------------------|
| TX Channel      |                    | 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       | 18.23    | 18.27 | 18.15  | 20.00                     | 18.50    | 18.51  | 18.38  | 19.00                     |
| 3GPP Rel 99     | RMC 12.2Kbps       | 18.24    | 18.28 | 18.16  | 20.00                     | 18.51    | 18.52  | 18.39  | 19.00                     |
| 3GPP Rel 6      | HSDPA Subtest-1    | 17.88    | 17.70 | 17.64  | 19.00                     | 17.71    | 17.70  | 17.73  | 18.00                     |
| 3GPP Rel 6      | HSDPA Subtest-2    | 17.85    | 17.72 | 17.66  | 19.00                     | 17.50    | 17.49  | 17.29  | 18.00                     |
| 3GPP Rel 6      | HSDPA Subtest-3    | 17.36    | 17.16 | 17.10  | 18.50                     | 17.02    | 17.19  | 17.02  | 17.50                     |
| 3GPP Rel 6      | HSDPA Subtest-4    | 17.40    | 17.15 | 17.09  | 18.50                     | 17.05    | 17.18  | 17.03  | 17.50                     |
| 3GPP Rel 8      | DC-HSDPA Subtest-1 | 17.77    | 17.70 | 17.64  | 19.00                     | 17.52    | 17.62  | 17.50  | 18.00                     |
| 3GPP Rel 8      | DC-HSDPA Subtest-2 | 17.76    | 17.68 | 17.62  | 19.00                     | 17.50    | 17.61  | 17.46  | 18.00                     |
| 3GPP Rel 8      | DC-HSDPA Subtest-3 | 16.91    | 16.60 | 17.04  | 18.50                     | 17.02    | 17.11  | 16.99  | 17.50                     |
| 3GPP Rel 8      | DC-HSDPA Subtest-4 | 16.90    | 16.65 | 17.09  | 18.50                     | 17.00    | 17.10  | 17.00  | 17.50                     |
| 3GPP Rel 6      | HSUPA Subtest-1    | 17.81    | 17.58 | 17.52  | 19.00                     | 17.39    | 17.66  | 17.64  | 18.00                     |
| 3GPP Rel 6      | HSUPA Subtest-2    | 15.82    | 15.63 | 15.57  | 17.00                     | 15.70    | 15.66  | 15.64  | 16.00                     |
| 3GPP Rel 6      | HSUPA Subtest-3    | 16.80    | 16.59 | 16.53  | 18.00                     | 16.40    | 16.65  | 16.63  | 17.00                     |
| 3GPP Rel 6      | HSUPA Subtest-4    | 15.84    | 15.61 | 15.55  | 17.00                     | 15.53    | 15.62  | 15.60  | 16.00                     |
| 3GPP Rel 6      | HSUPA Subtest-5    | 17.70    | 17.60 | 17.60  | 19.00                     | 17.30    | 17.60  | 17.50  | 18.00                     |

| Band 2 (1900MHz Band)<br>Part 24E |            |         |           |                       |                          |                        |                     |          |  |          |  |
|-----------------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|----------|--|
| 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                           |            |         |           | 18700                 | 18900                    | 19100                  |                     |          |  |          |  |
| Frequency (MHz)                   |            |         |           | 1860                  | 1880                     | 1900                   |                     |          |  |          |  |
| 20                                | QPSK       | 1       | 0         | 19.08                 | 19.09                    | 18.97                  | 20                  | 0        |  |          |  |
| 20                                | QPSK       | 1       | 49        | 18.99                 | 19.00                    | 18.92                  |                     |          |  |          |  |
| 20                                | QPSK       | 1       | 99        | 18.98                 | 18.92                    | 18.79                  |                     |          |  |          |  |
| 20                                | QPSK       | 50      | 0         | 19.99                 | 19.05                    | 18.93                  | 20                  | 0        |  |          |  |
| 20                                | QPSK       | 50      | 24        | 19.00                 | 19.03                    | 18.94                  |                     |          |  |          |  |
| 20                                | QPSK       | 50      | 50        | 19.02                 | 18.95                    | 18.85                  |                     |          |  |          |  |
| 20                                | QPSK       | 100     | 0         | 18.93                 | 18.97                    | 18.91                  | 20                  | 0        |  |          |  |
| 20                                | 16QAM      | 1       | 0         | 19.02                 | 18.97                    | 18.92                  |                     |          |  |          |  |
| 20                                | 16QAM      | 1       | 49        | 18.93                 | 18.95                    | 18.93                  |                     |          |  |          |  |
| 20                                | 16QAM      | 1       | 99        | 18.97                 | 18.92                    | 18.76                  | 20                  | 0        |  |          |  |
| 20                                | 16QAM      | 50      | 0         | 18.96                 | 18.97                    | 18.92                  |                     |          |  |          |  |
| 20                                | 16QAM      | 50      | 24        | 18.99                 | 18.99                    | 18.89                  |                     |          |  |          |  |
| 20                                | 16QAM      | 50      | 50        | 19.02                 | 18.92                    | 18.81                  | 20                  | 0        |  |          |  |
| 20                                | 16QAM      | 100     | 0         | 19.02                 | 18.90                    | 18.85                  |                     |          |  |          |  |
| 20                                | 64QAM      | 1       | 0         | 18.99                 | 18.95                    | 18.90                  |                     |          |  |          |  |
| 20                                | 64QAM      | 1       | 49        | 18.94                 | 18.99                    | 18.88                  | 20                  | 0        |  |          |  |
| 20                                | 64QAM      | 1       | 99        | 18.93                 | 18.86                    | 18.71                  |                     |          |  |          |  |
| 20                                | 64QAM      | 50      | 0         | 18.75                 | 18.75                    | 18.70                  |                     |          |  |          |  |
| 20                                | 64QAM      | 50      | 24        | 18.77                 | 18.77                    | 18.71                  | 20                  | 0        |  |          |  |
| 20                                | 64QAM      | 50      | 50        | 18.80                 | 18.69                    | 18.60                  |                     |          |  |          |  |
| 20                                | 64QAM      | 100     | 0         | 18.88                 | 18.72                    | 18.64                  |                     |          |  |          |  |
| Channel                           |            |         |           | 18675                 | 18900                    | 19125                  | Tune-up limit (dBm) | MPR (dB) |  |          |  |
| Frequency (MHz)                   |            |         |           | 1857.5                | 1880                     | 1902.5                 |                     |          |  |          |  |
| 15                                | QPSK       | 1       | 0         | 18.85                 | 18.89                    | 18.84                  | 20                  | 0        |  |          |  |
| 15                                | QPSK       | 1       | 37        | 18.88                 | 18.87                    | 18.77                  |                     |          |  |          |  |
| 15                                | QPSK       | 1       | 74        | 18.78                 | 18.82                    | 18.66                  |                     |          |  |          |  |
| 15                                | QPSK       | 36      | 0         | 18.92                 | 18.92                    | 18.83                  | 20                  | 0        |  |          |  |
| 15                                | QPSK       | 36      | 20        | 18.95                 | 18.95                    | 18.84                  |                     |          |  |          |  |
| 15                                | QPSK       | 36      | 39        | 18.90                 | 18.88                    | 18.76                  |                     |          |  |          |  |
| 15                                | QPSK       | 75      | 0         | 18.88                 | 18.86                    | 18.80                  | 20                  | 0        |  |          |  |
| 15                                | 16QAM      | 1       | 0         | 18.94                 | 18.93                    | 18.90                  |                     |          |  |          |  |
| 15                                | 16QAM      | 1       | 37        | 18.93                 | 18.98                    | 18.86                  |                     |          |  |          |  |
| 15                                | 16QAM      | 1       | 74        | 18.85                 | 18.92                    | 18.76                  | 20                  | 0        |  |          |  |
| 15                                | 16QAM      | 36      | 0         | 18.69                 | 18.70                    | 18.60                  |                     |          |  |          |  |
| 15                                | 16QAM      | 36      | 20        | 18.72                 | 18.71                    | 18.58                  |                     |          |  |          |  |
| 15                                | 16QAM      | 36      | 39        | 18.66                 | 18.63                    | 18.52                  | 20                  | 0        |  |          |  |
| 15                                | 16QAM      | 75      | 0         | 18.66                 | 18.63                    | 18.54                  |                     |          |  |          |  |
| 15                                | 64QAM      | 1       | 0         | 18.84                 | 18.85                    | 18.74                  |                     |          |  |          |  |
| 15                                | 64QAM      | 1       | 37        | 18.81                 | 18.83                    | 18.75                  | 20                  | 0        |  |          |  |
| 15                                | 64QAM      | 1       | 74        | 18.77                 | 18.76                    | 18.65                  |                     |          |  |          |  |
| 15                                | 64QAM      | 36      | 0         | 18.67                 | 18.68                    | 18.59                  |                     |          |  |          |  |
| 15                                | 64QAM      | 36      | 20        | 18.70                 | 18.72                    | 18.58                  | 20                  | 0        |  |          |  |
| 15                                | 64QAM      | 36      | 39        | 18.64                 | 18.62                    | 18.52                  |                     |          |  |          |  |
| 15                                | 64QAM      | 75      | 0         | 18.66                 | 18.61                    | 18.50                  |                     |          |  |          |  |
| Channel                           |            |         |           | 18650                 | 18900                    | 19150                  | Tune-up limit (dBm) |          |  | MPR (dB) |  |
| Frequency (MHz)                   |            |         |           | 1855                  | 1880                     | 1905                   |                     |          |  |          |  |
| 10                                | QPSK       | 1       | 0         | 19.00                 | 18.96                    | 18.80                  | 20                  | 0        |  |          |  |
| 10                                | QPSK       | 1       | 25        | 18.86                 | 18.85                    | 18.75                  |                     |          |  |          |  |
| 10                                | QPSK       | 1       | 49        | 18.87                 | 18.87                    | 18.69                  |                     |          |  |          |  |
| 10                                | QPSK       | 25      | 0         | 18.92                 | 18.89                    | 18.78                  | 20                  | 0        |  |          |  |
| 10                                | QPSK       | 25      | 12        | 18.94                 | 18.91                    | 18.78                  |                     |          |  |          |  |
| 10                                | QPSK       | 25      | 25        | 18.85                 | 18.84                    | 18.74                  |                     |          |  |          |  |
| 10                                | QPSK       | 50      | 0         | 18.90                 | 18.91                    | 18.78                  | 20                  | 0        |  |          |  |
| 10                                | 16QAM      | 1       | 0         | 19.03                 | 19.02                    | 18.91                  |                     |          |  |          |  |
| 10                                | 16QAM      | 1       | 25        | 18.97                 | 18.99                    | 18.86                  |                     |          |  |          |  |
| 10                                | 16QAM      | 1       | 49        | 18.96                 | 18.96                    | 18.76                  | 20                  | 0        |  |          |  |
| 10                                | 16QAM      | 25      | 0         | 18.68                 | 18.66                    | 18.54                  |                     |          |  |          |  |
| 10                                | 16QAM      | 25      | 12        | 18.68                 | 18.68                    | 18.56                  |                     |          |  |          |  |
| 10                                | 16QAM      | 25      | 25        | 18.61                 | 18.64                    | 18.51                  | 20                  | 0        |  |          |  |
| 10                                | 16QAM      | 50      | 0         | 18.66                 | 18.68                    | 18.54                  |                     |          |  |          |  |
| 10                                | 64QAM      | 1       | 0         | 18.95                 | 18.89                    | 18.75                  |                     |          |  |          |  |
| 10                                | 64QAM      | 1       | 25        | 18.80                 | 18.83                    | 18.73                  | 20                  | 0        |  |          |  |
| 10                                | 64QAM      | 1       | 49        | 18.83                 | 18.85                    | 18.63                  |                     |          |  |          |  |
| 10                                | 64QAM      | 25      | 0         | 18.68                 | 18.66                    | 18.56                  |                     |          |  |          |  |
| 10                                | 64QAM      | 25      | 12        | 18.64                 | 18.67                    | 18.55                  | 20                  | 0        |  |          |  |
| 10                                | 64QAM      | 25      | 25        | 18.65                 | 18.62                    | 18.50                  |                     |          |  |          |  |
| 10                                | 64QAM      | 50      | 0         | 18.65                 | 18.63                    | 18.53                  |                     |          |  |          |  |
| Channel                           |            |         |           | 18625                 | 18900                    | 19175                  | Tune-up limit (dBm) |          |  | MPR (dB) |  |
| Frequency (MHz)                   |            |         |           | 1852.5                | 1880                     | 1907.5                 |                     |          |  |          |  |
| 5                                 | QPSK       | 1       | 0         | 18.87                 | 18.86                    | 18.76                  | 20                  | 0        |  |          |  |
| 5                                 | QPSK       | 1       | 12        | 18.92                 | 18.85                    | 18.74                  |                     |          |  |          |  |
| 5                                 | QPSK       | 1       | 24        | 18.83                 | 18.87                    | 18.69                  |                     |          |  |          |  |
| 5                                 | QPSK       | 12      | 0         | 18.93                 | 18.94                    | 18.78                  | 20                  | 0        |  |          |  |
| 5                                 | QPSK       | 12      | 7         | 18.91                 | 18.94                    | 18.79                  |                     |          |  |          |  |
| 5                                 | QPSK       | 12      | 13        | 18.88                 | 18.86                    | 18.75                  |                     |          |  |          |  |
| 5                                 | QPSK       | 25      | 0         | 18.87                 | 18.86                    | 18.76                  | 20                  | 0        |  |          |  |
| 5                                 | 16QAM      | 1       | 0         | 18.96                 | 18.95                    | 18.81                  |                     |          |  |          |  |
| 5                                 | 16QAM      | 1       | 12        | 18.99                 | 18.96                    | 18.85                  |                     |          |  |          |  |
| 5                                 | 16QAM      | 1       | 24        | 18.92                 | 18.92                    | 18.77                  | 20                  | 0        |  |          |  |
| 5                                 | 16QAM      | 12      | 0         | 18.70                 | 18.66                    | 18.55                  |                     |          |  |          |  |
| 5                                 | 16QAM      | 12      | 7         | 18.71                 | 18.70                    | 18.58                  |                     |          |  |          |  |
| 5                                 | 16QAM      | 12      | 13        | 18.68                 | 18.66                    | 18.53                  | 20                  | 0        |  |          |  |
| 5                                 | 16QAM      | 25      | 0         | 18.61                 | 18.65                    | 18.50                  |                     |          |  |          |  |
| 5                                 | 64QAM      | 1       | 0         | 18.85                 | 18.83                    | 18.66                  |                     |          |  |          |  |
| 5                                 | 64QAM      | 1       | 12        | 18.87                 | 18.81                    | 18.71                  | 20                  | 0        |  |          |  |
| 5                                 | 64QAM      | 1       | 24        | 18.78                 | 18.77                    | 18.61                  |                     |          |  |          |  |
| 5                                 | 64QAM      | 12      | 0         | 18.67                 | 18.69                    | 18.52                  |                     |          |  |          |  |
| 5                                 | 64QAM      | 12      | 7         | 18.67                 | 18.68                    | 18.57                  | 20                  | 0        |  |          |  |
| 5                                 | 64QAM      | 12      | 13        | 18.65                 | 18.64                    | 18.50                  |                     |          |  |          |  |
| 5                                 | 64QAM      | 25      | 0         | 18.59                 | 18.64                    | 18.69                  |                     |          |  |          |  |
| Channel                           |            |         |           | 18615                 | 18900                    | 19185                  | Tune-up limit (dBm) |          |  | MPR (dB) |  |
| Frequency (MHz)                   |            |         |           | 1851.5                | 1880                     | 1908.5                 |                     |          |  |          |  |
| 3                                 | QPSK       | 1       | 0         | 18.87                 | 18.86                    | 18.71                  | 20                  | 0        |  |          |  |
| 3                                 | QPSK       | 1       | 8         | 18.89                 | 18.86                    | 18.71                  |                     |          |  |          |  |
| 3                                 | QPSK       | 1       | 14        | 18.82                 | 18.80                    | 18.71                  |                     |          |  |          |  |
| 3                                 | QPSK       | 8       | 0         | 18.91                 | 18.90                    | 18.78                  | 20                  | 0        |  |          |  |
| 3                                 | QPSK       | 8       | 4         | 18.93                 | 18.95                    | 18.80                  |                     |          |  |          |  |
| 3                                 | QPSK       | 8       | 7         | 18.89                 | 18.89                    | 18.75                  |                     |          |  |          |  |
| 3                                 | QPSK       | 15      | 0         | 18.87                 | 18.87                    | 18.74                  | 20                  | 0        |  |          |  |
| 3                                 | 16QAM      | 1       | 0         | 18.96                 | 18.92                    | 18.83                  |                     |          |  |          |  |
| 3                                 | 16QAM      | 1       | 8         | 18.97                 | 18.98                    | 18.78                  |                     |          |  |          |  |
| 3                                 | 16QAM      | 1       | 14        | 18.92                 | 18.93                    | 18.72                  | 20                  | 0        |  |          |  |
| 3                                 | 16QAM      | 8       | 0         | 18.75                 | 18.71                    | 18.54                  |                     |          |  |          |  |
| 3                                 | 16QAM      | 8       | 4         | 18.78                 | 18.75                    | 18.59                  |                     |          |  |          |  |
| 3                                 | 16QAM      | 8       | 7         | 18.73                 | 18.70                    | 18.53                  | 20                  | 0        |  |          |  |
| 3                                 | 16QAM      | 15      | 0         | 18.67                 | 18.63                    | 18.53                  |                     |          |  |          |  |
| 3                                 | 64QAM      | 1       | 0         | 18.83                 | 18.82                    | 18.65                  |                     |          |  |          |  |
| 3                                 | 64QAM      | 1       | 8         | 18.84                 | 18.86                    | 18.67                  | 20                  | 0        |  |          |  |
| 3                                 | 64QAM      | 1       | 14        | 18.79                 | 18.75                    | 18.63                  |                     |          |  |          |  |
| 3                                 | 64QAM      | 8       | 0         | 18.66                 | 18.66                    | 18.51                  |                     |          |  |          |  |
| 3                                 | 64QAM      | 8       | 4         | 18.71                 | 18.71                    | 18.54                  | 20                  | 0        |  |          |  |
| 3                                 | 64QAM      | 8       | 7         | 18.69                 | 18.66                    | 18.50                  |                     |          |  |          |  |
| 3                                 | 64QAM      | 15      | 0         | 18.62                 | 18.62                    | 18.59                  |                     |          |  |          |  |
| Channel                           |            |         |           | 18600                 | 18900                    | 19165                  | Tune-up limit (dBm) |          |  | MPR (dB) |  |
| Frequency (MHz)                   |            |         |           | 1850.7                | 1880                     | 1909.3                 |                     |          |  |          |  |
| 1.4                               | QPSK       | 1       | 0         | 18.80                 | 18.81                    | 18.64                  | 20                  | 0        |  |          |  |
| 1.4                               | QPSK       | 1       | 3         | 18.88                 | 18.84                    | 18.72                  |                     |          |  |          |  |
| 1.4                               | QPSK       | 1       | 5         | 18.76                 | 18.74                    | 18.63                  |                     |          |  |          |  |
| 1.4                               | QPSK       | 3       | 0         | 18.83                 | 18.84                    | 18.69                  | 20                  | 0        |  |          |  |
| 1.4                               | QPSK       | 3       | 1         | 18.88                 | 18.86                    | 18.71                  |                     |          |  |          |  |
| 1.4                               | QPSK       | 3       | 3         | 18.82                 | 18.81                    | 18.67                  |                     |          |  |          |  |
| 1.4                               | QPSK       | 6       | 0         | 18.85                 | 18.82                    | 18.68                  | 20                  | 0        |  |          |  |
| 1.4                               | 16QAM      | 1       | 0         | 18.91                 | 18.80                    | 18.68                  |                     |          |  |          |  |
| 1.4                               | 16QAM      | 1       | 5         | 18.92                 | 18.94                    | 18.71                  |                     |          |  |          |  |
| 1.4                               | 16QAM      | 1       | 5         | 18.86                 | 18.83                    | 18.65                  | 20                  | 0        |  |          |  |
| 1.4                               | 16QAM      | 3       | 0         | 18.63                 | 18.63                    | 18.76                  |                     |          |  |          |  |
| 1.4                               | 16QAM      | 3       | 1         | 18.69                 | 18.66                    | 18.50                  | 20                  | 0        |  |          |  |
| 1.4                               | 16QAM      | 3       | 3         | 18.57                 | 18.58                    | 18.73                  |                     |          |  |          |  |
| 1.4                               | 16QAM      | 6       | 0         | 18.64                 | 18.64                    | 18.72                  |                     |          |  |          |  |
| 1.4                               | 64QAM      | 1       | 0         | 18.73                 | 18.73                    | 18.53                  | 20                  | 0        |  |          |  |
| 1.4                               | 64QAM      | 1       | 3         | 18.77                 | 18.77                    | 18.58                  |                     |          |  |          |  |
| 1.4                               | 64QAM      | 1       | 5         | 18.73                 | 18.71                    | 18.53                  |                     |          |  |          |  |
| 1.4                               | 64QAM      | 3       | 0         | 18.62                 | 18.64                    | 18.69                  | 20                  | 0        |  |          |  |
| 1.4                               | 64QAM      | 3       | 1         | 18.63                 | 18.71                    | 18.75                  |                     |          |  |          |  |
| 1.4                               | 64QAM      | 3       | 3         | 18.59                 | 18.62                    | 18.82                  |                     |          |  |          |  |
| 1.4                               | 64QAM      | 6       | 0         | 18.55                 | 18.55                    | 18.82                  | 20                  | 0        |  |          |  |

| Band 7 (2600MHz Band) |            |         |           |                       |                          |                        |                     |          |  |
|-----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| Part 27               |            |         |           |                       |                          |                        |                     |          |  |
| BW [MHz]              | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel               |            |         |           | 20850                 | 21100                    | 21350                  |                     |          |  |
| Frequency (MHz)       |            |         |           | 2510                  | 2535                     | 2560                   |                     |          |  |
| 20                    | QPSK       | 1       | 0         | 20.99                 | 21.24                    | 21.09                  | 22.5                | 0        |  |
| 20                    | QPSK       | 1       | 49        | 20.85                 | 20.89                    | 21.06                  |                     |          |  |
| 20                    | QPSK       | 1       | 99        | 20.87                 | 20.84                    | 20.95                  |                     |          |  |
| 20                    | QPSK       | 50      | 0         | 20.91                 | 21.00                    | 20.94                  | 22.5                | 0        |  |
| 20                    | QPSK       | 50      | 24        | 20.93                 | 20.95                    | 20.99                  |                     |          |  |
| 20                    | QPSK       | 50      | 50        | 20.98                 | 20.89                    | 20.97                  |                     |          |  |
| 20                    | QPSK       | 100     | 0         | 20.98                 | 20.99                    | 20.98                  | 22.5                | 0        |  |
| 20                    | 16QAM      | 1       | 0         | 21.20                 | 20.97                    | 21.14                  |                     |          |  |
| 20                    | 16QAM      | 1       | 49        | 21.19                 | 21.22                    | 21.03                  |                     |          |  |
| 20                    | 16QAM      | 1       | 99        | 21.16                 | 21.16                    | 21.09                  | 22                  | 0.5      |  |
| 20                    | 16QAM      | 50      | 0         | 20.50                 | 20.56                    | 20.60                  |                     |          |  |
| 20                    | 16QAM      | 50      | 24        | 20.64                 | 20.54                    | 20.69                  |                     |          |  |
| 20                    | 16QAM      | 50      | 50        | 20.56                 | 20.51                    | 20.61                  | 22                  | 0.5      |  |
| 20                    | 16QAM      | 100     | 0         | 20.57                 | 20.52                    | 20.55                  |                     |          |  |
| 20                    | 64QAM      | 1       | 0         | 20.56                 | 20.51                    | 20.61                  |                     |          |  |
| 20                    | 64QAM      | 1       | 49        | 20.57                 | 20.52                    | 20.55                  | 22                  | 0.5      |  |
| 20                    | 64QAM      | 1       | 99        | 20.54                 | 20.54                    | 20.69                  |                     |          |  |
| 20                    | 64QAM      | 50      | 0         | 19.55                 | 19.56                    | 19.46                  |                     |          |  |
| 20                    | 64QAM      | 50      | 24        | 19.59                 | 19.81                    | 19.95                  | 21                  | 1.5      |  |
| 20                    | 64QAM      | 50      | 50        | 19.54                 | 19.45                    | 19.53                  |                     |          |  |
| 20                    | 64QAM      | 100     | 0         | 19.59                 | 19.51                    | 19.64                  |                     |          |  |
| Channel               |            |         |           | 20825                 | 21100                    | 21375                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 2507.5                | 2535                     | 2562.5                 |                     |          |  |
| 15                    | QPSK       | 1       | 0         | 20.91                 | 20.92                    | 21.05                  | 22.5                | 0        |  |
| 15                    | QPSK       | 1       | 37        | 20.88                 | 20.92                    | 20.99                  |                     |          |  |
| 15                    | QPSK       | 1       | 74        | 20.87                 | 20.87                    | 20.98                  |                     |          |  |
| 15                    | QPSK       | 36      | 0         | 20.95                 | 20.96                    | 21.06                  | 22.5                | 0        |  |
| 15                    | QPSK       | 36      | 20        | 20.94                 | 20.97                    | 21.08                  |                     |          |  |
| 15                    | QPSK       | 36      | 39        | 20.91                 | 20.91                    | 21.06                  |                     |          |  |
| 15                    | QPSK       | 75      | 0         | 20.93                 | 20.93                    | 21.06                  | 22.5                | 0        |  |
| 15                    | 16QAM      | 1       | 0         | 21.23                 | 21.05                    | 21.02                  |                     |          |  |
| 15                    | 16QAM      | 1       | 37        | 21.21                 | 21.21                    | 21.02                  |                     |          |  |
| 15                    | 16QAM      | 1       | 74        | 21.17                 | 21.17                    | 21.08                  | 22                  | 0.5      |  |
| 15                    | 16QAM      | 36      | 0         | 20.56                 | 20.57                    | 20.52                  |                     |          |  |
| 15                    | 16QAM      | 36      | 20        | 20.54                 | 20.54                    | 20.50                  |                     |          |  |
| 15                    | 16QAM      | 36      | 39        | 20.52                 | 20.53                    | 20.54                  | 22                  | 0.5      |  |
| 15                    | 16QAM      | 75      | 0         | 20.48                 | 20.55                    | 20.63                  |                     |          |  |
| 15                    | 64QAM      | 1       | 0         | 20.52                 | 20.53                    | 20.61                  |                     |          |  |
| 15                    | 64QAM      | 1       | 37        | 20.50                 | 20.55                    | 20.58                  | 22                  | 0.5      |  |
| 15                    | 64QAM      | 1       | 74        | 20.64                 | 20.52                    | 20.68                  |                     |          |  |
| 15                    | 64QAM      | 36      | 0         | 19.53                 | 19.51                    | 19.62                  |                     |          |  |
| 15                    | 64QAM      | 36      | 20        | 19.53                 | 19.53                    | 19.62                  | 21                  | 1.5      |  |
| 15                    | 64QAM      | 36      | 39        | 19.51                 | 19.51                    | 19.59                  |                     |          |  |
| 15                    | 64QAM      | 75      | 0         | 19.48                 | 19.54                    | 19.63                  |                     |          |  |
| Channel               |            |         |           | 20800                 | 21100                    | 21400                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 2505                  | 2535                     | 2565                   |                     |          |  |
| 10                    | QPSK       | 1       | 0         | 20.89                 | 20.93                    | 21.02                  | 22.5                | 0        |  |
| 10                    | QPSK       | 1       | 25        | 20.90                 | 20.88                    | 21.00                  |                     |          |  |
| 10                    | QPSK       | 1       | 49        | 20.86                 | 20.87                    | 20.98                  |                     |          |  |
| 10                    | QPSK       | 25      | 0         | 20.91                 | 20.93                    | 21.05                  | 22.5                | 0        |  |
| 10                    | QPSK       | 25      | 12        | 20.97                 | 20.95                    | 21.09                  |                     |          |  |
| 10                    | QPSK       | 25      | 25        | 20.91                 | 20.93                    | 21.07                  |                     |          |  |
| 10                    | QPSK       | 50      | 0         | 20.91                 | 20.94                    | 21.05                  | 22.5                | 0        |  |
| 10                    | 16QAM      | 1       | 0         | 21.19                 | 21.06                    | 21.00                  |                     |          |  |
| 10                    | 16QAM      | 1       | 25        | 21.23                 | 21.21                    | 21.08                  |                     |          |  |
| 10                    | 16QAM      | 1       | 49        | 21.17                 | 21.17                    | 21.02                  | 22                  | 0.5      |  |
| 10                    | 16QAM      | 25      | 0         | 20.57                 | 20.55                    | 20.67                  |                     |          |  |
| 10                    | 16QAM      | 25      | 12        | 20.61                 | 20.60                    | 20.68                  |                     |          |  |
| 10                    | 16QAM      | 25      | 25        | 20.55                 | 20.57                    | 20.66                  | 22                  | 0.5      |  |
| 10                    | 16QAM      | 50      | 0         | 20.57                 | 20.55                    | 20.67                  |                     |          |  |
| 10                    | 64QAM      | 1       | 0         | 20.61                 | 20.60                    | 20.68                  |                     |          |  |
| 10                    | 64QAM      | 1       | 25        | 20.61                 | 20.60                    | 20.68                  | 22                  | 0.5      |  |
| 10                    | 64QAM      | 1       | 49        | 20.55                 | 20.57                    | 20.66                  |                     |          |  |
| 10                    | 64QAM      | 25      | 0         | 19.51                 | 19.50                    | 19.66                  |                     |          |  |
| 10                    | 64QAM      | 25      | 12        | 19.54                 | 19.57                    | 19.63                  | 21                  | 1.5      |  |
| 10                    | 64QAM      | 25      | 25        | 19.51                 | 19.53                    | 19.62                  |                     |          |  |
| 10                    | 64QAM      | 50      | 0         | 19.49                 | 19.53                    | 19.62                  |                     |          |  |
| Channel               |            |         |           | 20775                 | 21100                    | 21425                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 2502.5                | 2535                     | 2567.5                 |                     |          |  |
| 5                     | QPSK       | 1       | 0         | 20.88                 | 20.92                    | 20.99                  | 22.5                | 0        |  |
| 5                     | QPSK       | 1       | 12        | 20.87                 | 20.87                    | 20.96                  |                     |          |  |
| 5                     | QPSK       | 1       | 24        | 20.95                 | 20.96                    | 21.06                  |                     |          |  |
| 5                     | QPSK       | 12      | 0         | 20.94                 | 20.96                    | 21.08                  | 22.5                | 0        |  |
| 5                     | QPSK       | 12      | 7         | 20.91                 | 20.91                    | 21.06                  |                     |          |  |
| 5                     | QPSK       | 12      | 13        | 20.93                 | 20.93                    | 21.06                  |                     |          |  |
| 5                     | QPSK       | 25      | 0         | 20.86                 | 20.87                    | 20.98                  | 22.5                | 0        |  |
| 5                     | 16QAM      | 1       | 0         | 20.91                 | 20.93                    | 21.05                  |                     |          |  |
| 5                     | 16QAM      | 1       | 12        | 20.97                 | 20.95                    | 21.09                  |                     |          |  |
| 5                     | 16QAM      | 1       | 24        | 20.91                 | 20.93                    | 21.07                  | 22                  | 0.5      |  |
| 5                     | 16QAM      | 12      | 0         | 20.57                 | 20.55                    | 20.68                  |                     |          |  |
| 5                     | 16QAM      | 12      | 7         | 20.67                 | 20.60                    | 20.68                  |                     |          |  |
| 5                     | 16QAM      | 12      | 13        | 20.57                 | 20.60                    | 20.68                  | 22                  | 0.5      |  |
| 5                     | 16QAM      | 25      | 0         | 20.67                 | 20.61                    | 20.67                  |                     |          |  |
| 5                     | 64QAM      | 1       | 0         | 20.52                 | 20.53                    | 20.61                  |                     |          |  |
| 5                     | 64QAM      | 1       | 12        | 20.50                 | 20.55                    | 20.58                  | 22                  | 0.5      |  |
| 5                     | 64QAM      | 1       | 24        | 20.64                 | 20.52                    | 20.68                  |                     |          |  |
| 5                     | 64QAM      | 12      | 0         | 19.57                 | 19.50                    | 19.61                  |                     |          |  |
| 5                     | 64QAM      | 12      | 7         | 19.56                 | 19.49                    | 19.53                  | 21                  | 1.5      |  |
| 5                     | 64QAM      | 12      | 13        | 19.58                 | 19.87                    | 19.55                  |                     |          |  |
| 5                     | 64QAM      | 25      | 0         | 19.61                 | 19.57                    | 19.62                  |                     |          |  |

| Band 66         |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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         |            |         |           | 132072                | 132322                   | 132572                 |                     |          |  |
| Frequency (MHz) |            |         |           | 1720                  | 1745                     | 1770                   |                     |          |  |
| 20              | QPSK       | 1       | 0         | 18.48                 | 18.60                    | 18.36                  | 19.5                | 0        |  |
| 20              | QPSK       | 1       | 49        | 18.45                 | 18.37                    | 18.33                  |                     |          |  |
| 20              | QPSK       | 1       | 99        | 18.36                 | 18.28                    | 18.22                  |                     |          |  |
| 20              | QPSK       | 50      | 0         | 18.49                 | 18.53                    | 18.34                  | 19.5                | 0        |  |
| 20              | QPSK       | 50      | 24        | 18.52                 | 18.41                    | 18.39                  |                     |          |  |
| 20              | QPSK       | 50      | 50        | 18.46                 | 18.33                    | 18.27                  |                     |          |  |
| 20              | QPSK       | 100     | 0         | 18.39                 | 18.41                    | 18.35                  | 19.5                | 0        |  |
| 20              | 16QAM      | 1       | 0         | 18.46                 | 18.52                    | 18.40                  |                     |          |  |
| 20              | 16QAM      | 1       | 49        | 18.44                 | 18.44                    | 18.28                  |                     |          |  |
| 20              | 16QAM      | 1       | 99        | 18.34                 | 18.28                    | 18.19                  | 19.5                | 0        |  |
| 20              | 16QAM      | 50      | 0         | 18.36                 | 18.36                    | 18.20                  |                     |          |  |
| 20              | 16QAM      | 50      | 24        | 18.40                 | 18.31                    | 18.26                  |                     |          |  |
| 20              | 16QAM      | 50      | 50        | 18.33                 | 18.18                    | 18.11                  | 19.5                | 0        |  |
| 20              | 16QAM      | 100     | 0         | 18.37                 | 18.29                    | 18.18                  |                     |          |  |
| 20              | 64QAM      | 1       | 0         | 18.54                 | 18.59                    | 18.43                  |                     |          |  |
| 20              | 64QAM      | 1       | 49        | 18.53                 | 18.49                    | 18.36                  | 19.5                | 0        |  |
| 20              | 64QAM      | 1       | 99        | 18.45                 | 18.35                    | 18.28                  |                     |          |  |
| 20              | 64QAM      | 50      | 0         | 18.32                 | 18.33                    | 18.18                  |                     |          |  |
| 20              | 64QAM      | 50      | 24        | 18.42                 | 18.26                    | 18.23                  | 19.5                | 0        |  |
| 20              | 64QAM      | 50      | 50        | 18.27                 | 18.21                    | 18.08                  |                     |          |  |
| 20              | 64QAM      | 100     | 0         | 18.36                 | 18.26                    | 18.20                  |                     |          |  |
| Channel         |            |         |           | 132047                | 132322                   | 132597                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1717.5                | 1745                     | 1772.5                 |                     |          |  |
| 15              | QPSK       | 1       | 0         | 18.45                 | 18.46                    | 18.40                  | 19.5                | 0        |  |
| 15              | QPSK       | 1       | 37        | 18.39                 | 18.37                    | 18.28                  |                     |          |  |
| 15              | QPSK       | 1       | 74        | 18.37                 | 18.37                    | 18.24                  |                     |          |  |
| 15              | QPSK       | 36      | 0         | 18.49                 | 18.44                    | 18.36                  | 19.5                | 0        |  |
| 15              | QPSK       | 36      | 20        | 18.57                 | 18.42                    | 18.34                  |                     |          |  |
| 15              | QPSK       | 36      | 39        | 18.48                 | 18.33                    | 18.22                  |                     |          |  |
| 15              | QPSK       | 75      | 0         | 18.52                 | 18.41                    | 18.32                  | 19.5                | 0        |  |
| 15              | 16QAM      | 1       | 0         | 18.43                 | 18.50                    | 18.41                  |                     |          |  |
| 15              | 16QAM      | 1       | 37        | 18.39                 | 18.37                    | 18.16                  |                     |          |  |
| 15              | 16QAM      | 1       | 74        | 18.38                 | 18.30                    | 18.16                  | 19.5                | 0        |  |
| 15              | 16QAM      | 36      | 0         | 18.37                 | 18.35                    | 18.23                  |                     |          |  |
| 15              | 16QAM      | 36      | 20        | 18.45                 | 18.33                    | 18.20                  |                     |          |  |
| 15              | 16QAM      | 36      | 39        | 18.35                 | 18.22                    | 18.08                  | 19.5                | 0        |  |
| 15              | 16QAM      | 75      | 0         | 18.42                 | 18.24                    | 18.16                  |                     |          |  |
| 15              | 64QAM      | 1       | 0         | 18.55                 | 18.56                    | 18.50                  |                     |          |  |
| 15              | 64QAM      | 1       | 37        | 18.45                 | 18.47                    | 18.29                  | 19.5                | 0        |  |
| 15              | 64QAM      | 1       | 74        | 18.42                 | 18.37                    | 18.24                  |                     |          |  |
| 15              | 64QAM      | 36      | 0         | 18.35                 | 18.34                    | 18.22                  |                     |          |  |
| 15              | 64QAM      | 36      | 20        | 18.43                 | 18.26                    | 18.18                  | 19.5                | 0        |  |
| 15              | 64QAM      | 36      | 39        | 18.35                 | 18.22                    | 18.10                  |                     |          |  |
| 15              | 64QAM      | 75      | 0         | 18.41                 | 18.31                    | 18.07                  |                     |          |  |
| Channel         |            |         |           | 132022                | 132322                   | 132622                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1715                  | 1745                     | 1775                   |                     |          |  |
| 10              | QPSK       | 1       | 0         | 18.46                 | 18.43                    | 18.38                  | 19.5                | 0        |  |
| 10              | QPSK       | 1       | 25        | 18.43                 | 18.40                    | 18.35                  |                     |          |  |
| 10              | QPSK       | 1       | 49        | 18.34                 | 18.29                    | 18.24                  |                     |          |  |
| 10              | QPSK       | 25      | 0         | 18.46                 | 18.42                    | 18.36                  | 19.5                | 0        |  |
| 10              | QPSK       | 25      | 12        | 18.46                 | 18.41                    | 18.34                  |                     |          |  |
| 10              | QPSK       | 25      | 25        | 18.41                 | 18.33                    | 18.33                  |                     |          |  |
| 10              | QPSK       | 50      | 0         | 18.45                 | 18.41                    | 18.31                  | 19.5                | 0        |  |
| 10              | 16QAM      | 1       | 0         | 18.45                 | 18.46                    | 18.25                  |                     |          |  |
| 10              | 16QAM      | 1       | 25        | 18.41                 | 18.37                    | 18.26                  |                     |          |  |
| 10              | 16QAM      | 1       | 49        | 18.34                 | 18.22                    | 18.14                  | 19.5                | 0        |  |
| 10              | 16QAM      | 25      | 0         | 18.35                 | 18.33                    | 18.19                  |                     |          |  |
| 10              | 16QAM      | 25      | 12        | 18.34                 | 18.30                    | 18.14                  |                     |          |  |
| 10              | 16QAM      | 25      | 25        | 18.26                 | 18.20                    | 18.11                  | 19.5                | 0        |  |
| 10              | 16QAM      | 50      | 0         | 18.32                 | 18.26                    | 18.12                  |                     |          |  |
| 10              | 64QAM      | 1       | 0         | 18.52                 | 18.52                    | 18.36                  |                     |          |  |
| 10              | 64QAM      | 1       | 25        | 18.50                 | 18.48                    | 18.37                  | 19.5                | 0        |  |
| 10              | 64QAM      | 1       | 49        | 18.38                 | 18.35                    | 18.28                  |                     |          |  |
| 10              | 64QAM      | 25      | 0         | 18.35                 | 18.31                    | 18.17                  |                     |          |  |
| 10              | 64QAM      | 25      | 12        | 18.33                 | 18.27                    | 18.13                  | 19.5                | 0        |  |
| 10              | 64QAM      | 25      | 25        | 18.25                 | 18.20                    | 18.18                  |                     |          |  |
| 10              | 64QAM      | 50      | 0         | 18.32                 | 18.24                    | 18.10                  |                     |          |  |
| Channel         |            |         |           | 131997                | 132322                   | 132657                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1712.5                | 1745                     | 1777.5                 |                     |          |  |
| 5               | QPSK       | 1       | 0         | 18.34                 | 18.29                    | 18.24                  | 19.5                | 0        |  |
| 5               | QPSK       | 1       | 12        | 18.40                 | 18.45                    | 18.36                  |                     |          |  |
| 5               | QPSK       | 1       | 24        | 18.46                 | 18.41                    | 18.34                  |                     |          |  |
| 5               | QPSK       | 12      | 0         | 18.41                 | 18.33                    | 18.33                  | 19.5                | 0        |  |
| 5               | QPSK       | 12      | 7         | 18.45                 | 18.41                    | 18.31                  |                     |          |  |
| 5               | QPSK       | 12      | 13        | 18.46                 | 18.43                    | 18.35                  |                     |          |  |
| 5               | QPSK       | 25      | 0         | 18.43                 | 18.40                    | 18.38                  | 19.5                | 0        |  |
| 5               | 16QAM      | 1       | 0         | 18.34                 | 18.29                    | 18.24                  |                     |          |  |
| 5               | 16QAM      | 1       | 12        | 18.40                 | 18.45                    | 18.36                  |                     |          |  |
| 5               | 16QAM      | 1       | 24        | 18.38                 | 18.30                    | 18.16                  | 19.5                | 0        |  |
| 5               | 16QAM      | 12      | 0         | 18.37                 | 18.35                    | 18.23                  |                     |          |  |
| 5               | 16QAM      | 12      | 7         | 18.45                 | 18.33                    | 18.20                  |                     |          |  |
| 5               | 16QAM      | 12      | 13        | 18.35                 | 18.22                    | 18.08                  | 19.5                | 0        |  |
| 5               | 16QAM      | 25      | 0         | 18.42                 | 18.24                    | 18.16                  |                     |          |  |
| 5               | 64QAM      | 1       | 0         | 18.55                 | 18.56                    | 18.50                  |                     |          |  |
| 5               | 64QAM      | 1       | 12        | 18.45                 | 18.35                    | 18.28                  | 19.5                | 0        |  |
| 5               | 64QAM      | 1       | 24        | 18.32                 | 18.33                    | 18.18                  |                     |          |  |
| 5               | 64QAM      | 12      | 0         | 18.42                 | 18.24                    | 18.23                  |                     |          |  |
| 5               | 64QAM      | 12      | 7         | 18.27                 | 18.21                    | 18.08                  | 19.5                | 0        |  |
| 5               | 64QAM      | 12      | 13        | 18.36                 | 18.26                    | 18.20                  |                     |          |  |
| 5               | 64QAM      | 25      | 0         | 18.35                 | 18.22                    | 18.08                  |                     |          |  |
| Channel         |            |         |           | 131987                | 132322                   | 132657                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1711.5                | 1745                     | 1778.5                 |                     |          |  |
| 3               | QPSK       | 1       | 0         | 18.38                 | 18.30                    | 18.16                  | 19.5                | 0        |  |
| 3               | QPSK       | 1       | 8         | 18.37                 | 18.35                    | 18.23                  |                     |          |  |
| 3               | QPSK       | 1       | 14        | 18.45                 | 18.33                    | 18.20                  |                     |          |  |
| 3               | QPSK       | 8       | 0         | 18.35                 | 18.22                    | 18.08                  | 19.5                | 0        |  |
| 3               | QPSK       | 8       | 4         | 18.42                 | 18.36                    | 18.20                  |                     |          |  |
| 3               | QPSK       | 8       | 7         | 18.55                 | 18.56                    | 18.50                  |                     |          |  |
| 3               | QPSK       | 16      | 0         | 18.45                 | 18.47                    | 18.29                  | 19.5                | 0        |  |
| 3               | 16QAM      | 1       | 0         | 18.42                 | 18.37                    | 18.25                  |                     |          |  |
| 3               | 16QAM      | 1       | 8         | 18.35                 | 18.34                    | 18.22                  |                     |          |  |
| 3               | 16QAM      | 1       | 14        | 18.45                 | 18.33                    | 18.20                  | 19.5                | 0        |  |
| 3               | 16QAM      | 8       | 0         | 18.35                 | 18.22                    | 18.08                  |                     |          |  |
| 3               | 16QAM      | 8       | 4         | 18.42                 | 18.24                    | 18.16                  |                     |          |  |
| 3               | 16QAM      | 8       | 7         | 18.55                 | 18.56                    | 18.50                  | 19.5                | 0        |  |
| 3               | 16QAM      | 16      | 0         | 18.45                 | 18.36                    | 18.26                  |                     |          |  |
| 3               | 16QAM      | 1       | 0         | 18.32                 | 18.33                    | 18.18                  |                     |          |  |
| 3               | 64QAM      | 1       | 8         | 18.55                 | 18.56                    | 18.50                  | 19.5                | 0        |  |
| 3               | 64QAM      | 1       | 14        | 18.45                 | 18.35                    | 18.28                  |                     |          |  |
| 3               | 64QAM      | 8       | 0         | 18.32                 | 18.33                    | 18.18                  |                     |          |  |
| 3               | 64QAM      | 8       | 4         | 18.42                 | 18.26                    | 18.23                  | 19.5                | 0        |  |
| 3               | 64QAM      | 8       | 7         | 18.27                 | 18.21                    | 18.08                  |                     |          |  |
| 3               | 64QAM      | 15      | 0         | 18.36                 | 18.26                    | 18.20                  |                     |          |  |
| Channel         |            |         |           | 131979                | 132322                   | 132655                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1710.7                | 1745                     | 1778.3                 |                     |          |  |
| 1.4             | QPSK       | 1       | 0         | 18.34                 | 18.30                    | 18.14                  | 19.5                | 0        |  |
| 1.4             | QPSK       | 1       | 3         | 18.26                 | 18.20                    | 18.18                  |                     |          |  |
| 1.4             | QPSK       | 1       | 5         | 18.32                 | 18.26                    | 18.12                  |                     |          |  |
| 1.4             | QPSK       | 3       | 0         | 18.52                 | 18.52                    | 18.36                  | 19.5                | 0        |  |
| 1.4             | QPSK       | 3       | 1         | 18.50                 | 18.48                    | 18.37                  |                     |          |  |
| 1.4             | QPSK       | 3       | 3         | 18.38                 | 18.35                    | 18.28                  |                     |          |  |
| 1.4             | QPSK       | 6       | 0         | 18.35                 | 18.31                    | 18.17                  | 19.5                | 0        |  |
| 1.4             | 16QAM      | 1       | 0         | 18.33                 | 18.27                    | 18.13                  |                     |          |  |
| 1.4             | 16QAM      | 1       | 3         | 18.25                 | 18.20                    | 18.18                  |                     |          |  |
| 1.4             | 16QAM      | 1       | 5         | 18.32                 | 18.24                    | 18.16                  | 19.5                | 0        |  |
| 1.4             | 16QAM      | 3       | 0         | 18.42                 | 18.24                    | 18.16                  |                     |          |  |
| 1.4             | 16QAM      | 3       | 1         | 18.55                 | 18.56                    | 18.50                  |                     |          |  |
| 1.4             | 16QAM      | 3       | 3         | 18.45                 | 18.35                    | 18.28                  | 19.5                | 0        |  |
| 1.4             | 16QAM      | 6       | 0         | 18.32                 | 18.33                    | 18.18                  |                     |          |  |
| 1.4             | 64QAM      | 1       | 0         | 18.55                 | 18.56                    | 18.50                  |                     |          |  |
| 1.4             | 64QAM      | 1       | 3         | 18.45                 | 18.35                    | 18.28                  | 19.5                | 0        |  |
| 1.4             | 64QAM      | 1       | 3         | 18.45                 | 18.35                    | 18.28                  |                     |          |  |
| 1.4             | 64QAM      | 1       | 5         | 18.32                 | 18.33                    | 18.18                  |                     |          |  |
| 1.4             | 64QAM      | 3       | 0         | 18.42                 | 18.26                    | 18.23                  | 19.5                | 0        |  |
| 1.4             | 64QAM      | 3       | 1         | 18.42                 | 18.37                    | 18.25                  |                     |          |  |
| 1.4             | 64QAM      | 3       | 3         | 18.35                 | 18.34                    | 18.22                  |                     |          |  |
| 1.4             | 64QAM      | 6       | 0         | 18.45                 | 18.33                    | 18.20                  | 19.5                | 0        |  |

## Full Power Mode 2CA DL

| CA List  | PCC     |       |        |         |      |     |        | SCC     |       |        |         | Power     |            |
|----------|---------|-------|--------|---------|------|-----|--------|---------|-------|--------|---------|-----------|------------|
|          | LTE     | BW    | UL     | Channel | Mod. | UL# | UL     | LTE     | BW    | DL     | DL      | With CA   | Without CA |
|          | Band    | (MHz) | Freq.  |         |      | RB  | RB     | Band    | (MHz) | Freq.  | Channel | Tx. Power | Tx. Power  |
|          |         |       | (MHz)  |         |      |     | Offset |         |       | (dBm)  |         | (dBm)     |            |
| CA_4A-5A | Band 4  | 20M   | 1732.5 | 20175   | QPSK | 1   | 0      | Band 5  | 10M   | 881.5  | 2525    | 22.81     | 22.91      |
|          | Band 5  | 10M   | 836.5  | 20525   | QPSK | 1   | 0      | Band 4  | 20M   | 2132.5 | 2175    | 22.76     | 22.86      |
| CA_4A-7A | Band 4  | 20M   | 1732.5 | 20175   | QPSK | 1   | 0      | Band 7  | 20M   | 2655   | 3100    | 22.72     | 22.91      |
|          | Band 7  | 20M   | 2535   | 21100   | QPSK | 1   | 0      | Band 4  | 20M   | 2132.5 | 2175    | 22.75     | 22.88      |
| CA_7B    | Band 7  | 15M   | 2535   | 21100   | QPSK | 1   | 0      | Band 7  | 5M    | 2664.3 | 3193    | 22.71     | 22.76      |
| CA_7A-7A | Band 7  | 20M   | 2535   | 21100   | QPSK | 1   | 0      | Band 7  | 5M    | 2687.5 | 3425    | 22.73     | 22.88      |
| CA_38C   | Band 38 | 20M   | 2580   | 37850   | QPSK | 1   | 0      | Band 38 | 20M   | 2599.8 | 38048   | 22.59     | 22.70      |
|          | Band 38 | 20M   | 2585.1 | 37901   | QPSK | 1   | 0      | Band 38 | 20M   | 2604.9 | 38099   | 22.76     | 22.96      |
|          | Band 38 | 20M   | 2610   | 38150   | QPSK | 1   | 0      | Band 38 | 20M   | 2590.2 | 37952   | 22.71     | 22.89      |

## 3CA DL

### <Inter-Band for Three Carrier Combination> (two bands)

| CA List       | PCC     |       |        |         |      |     |           | SCC1    |       |        |         | SCC2    |       |        |         | Power           |                 |
|---------------|---------|-------|--------|---------|------|-----|-----------|---------|-------|--------|---------|---------|-------|--------|---------|-----------------|-----------------|
|               | LTE     | BW    | UL     | UL      | Mod. | UL# | UL        | LTE     | BW    | DL     | DL      | LTE     | BW    | DL     | DL      | With CA         | Without CA      |
|               | Band    | (MHz) | Freq.  | Channel |      | RB  | RB Offset | Band    | (MHz) | Freq.  | Channel | Band    | (MHz) | Freq.  | Channel | Tx. Power (dBm) | Tx. Power (dBm) |
|               |         |       | (MHz)  |         |      |     |           |         |       | (MHz)  |         |         |       |        |         |                 |                 |
| CA_4A-7C      | Band 4  | 20M   | 1732.5 | 20175   | QPSK | 1   | 0         | Band 7  | 20M   | 2655   | 3100    | Band 7  | 20M   | 2674.8 | 3298    | 22.76           | 22.91           |
|               | Band 7  | 20M   | 2535   | 21100   | QPSK | 1   | 0         | Band 7  | 20M   | 2674.8 | 3298    | Band 4  | 20M   | 2132.5 | 2175    | 22.72           | 22.88           |
| CA_7A-66A-66A | Band 7  | 20M   | 2535   | 21100   | QPSK | 1   | 0         | Band 66 | 20M   | 2155   | 66866   | Band 66 | 5M    | 2197.5 | 67311   | 22.59           | 22.76           |
|               | Band 66 | 20M   | 1745   | 132322  | QPSK | 1   | 0         | Band 66 | 5M    | 2197.5 | 67311   | Band 7  | 20M   | 2674.8 | 3298    | 22.71           | 22.9            |

## Reduced Power Mode for Sensor on/Hotspot on 2CA DL

| CA List  | PCC     |       |        |         |      |     |        | SCC     |       |        |         | Power     |            |
|----------|---------|-------|--------|---------|------|-----|--------|---------|-------|--------|---------|-----------|------------|
|          | LTE     | BW    | UL     | Channel | Mod. | UL# | UL     | LTE     | BW    | DL     | DL      | With CA   | Without CA |
|          | Band    | (MHz) | Freq   |         |      | RB  | RB     | Band    | (MHz) | Freq   | Channel | Tx. Power | Tx. Power  |
|          |         |       | (MHz)  |         |      |     | Offset |         |       | (MHz)  |         | (dBm)     | (dBm)      |
| CA_4A-5A | Band 4  | 20M   | 1732.5 | 20175   | QPSK | 1   | 0      | Band 5  | 10M   | 881.5  | 2525    | 13.63     | 13.90      |
|          | Band 5  | 10M   | 836.5  | 20525   | QPSK | 1   | 0      | Band 4  | 20M   | 2132.5 | 2175    | 21.45     | 21.64      |
| CA_4A-7A | Band 4  | 20M   | 1732.5 | 20175   | QPSK | 1   | 0      | Band 7  | 20M   | 2655   | 3100    | 13.72     | 13.90      |
|          | Band 7  | 20M   | 2535   | 21100   | QPSK | 1   | 0      | Band 4  | 20M   | 2132.5 | 2175    | 15.51     | 15.61      |
| CA_7B    | Band 7  | 15M   | 2535   | 21100   | QPSK | 1   | 0      | Band 7  | 5M    | 2664.3 | 3193    | 15.23     | 15.38      |
| CA_7A-7A | Band 7  | 20M   | 2535   | 21100   | QPSK | 1   | 0      | Band 7  | 5M    | 2687.5 | 3425    | 15.43     | 15.61      |
| CA_38C   | Band 38 | 20M   | 2580   | 37850   | QPSK | 1   | 0      | Band 38 | 20M   | 2599.8 | 38048   | 19.06     | 19.23      |
|          | Band 38 | 20M   | 2585.1 | 37901   | QPSK | 1   | 0      | Band 38 | 20M   | 2604.9 | 38099   | 19.10     | 19.23      |
|          | Band 38 | 20M   | 2610   | 38150   | QPSK | 1   | 0      | Band 38 | 20M   | 2590.2 | 37952   | 19.03     | 19.22      |

### 3CA DL

<Inter-Band for Three Carrier Combination> (two bands)

| CA List       | PCC     |       |        |         |      |     |        |         | SCC1  |        |         |         | SCC2  |        |         |                 | Power           |  |
|---------------|---------|-------|--------|---------|------|-----|--------|---------|-------|--------|---------|---------|-------|--------|---------|-----------------|-----------------|--|
|               | LTE     | BW    | UL     | UL      | Mod. | UL# | UL     | LTE     | BW    | DL     | DL      | LTE     | BW    | DL     | DL      | With CA         | Without CA      |  |
|               | Band    | (MHz) | Freq.  | Channel |      | RB  | Offset | Band    | (MHz) | Freq.  | Channel | Band    | (MHz) | Freq.  | Channel | Tx. Power (dBm) | Tx. Power (dBm) |  |
|               |         |       | (MHz)  | (MHz)   |      |     |        |         |       | (MHz)  | (MHz)   |         |       |        |         |                 |                 |  |
| CA_4A-7C      | Band 4  | 20M   | 1732.5 | 20175   | QPSK | 1   | 0      | Band 7  | 20M   | 2655   | 3100    | Band 7  | 20M   | 2674.8 | 3298    | 13.69           | 13.9            |  |
|               | Band 7  | 20M   | 2535   | 21100   | QPSK | 1   | 0      | Band 7  | 20M   | 2674.8 | 3298    | Band 4  | 20M   | 2132.5 | 2175    | 15.41           | 15.61           |  |
| CA_7A-66A-66A | Band 7  | 20M   | 2535   | 21100   | QPSK | 1   | 0      | Band 66 | 20M   | 2155   | 66886   | Band 66 | 5M    | 2197.5 | 67311   | 15.34           | 15.61           |  |
|               | Band 66 | 20M   | 1745   | 132322  | QPSK | 1   | 0      | Band 66 | 5M    | 2197.5 | 67311   | Band 7  | 20M   | 2674.8 | 3298    | 13.63           | 14              |  |

## Reduced Power Mode for Handheld on 2CA DL

| CA List  | PCC     |       |        |         |      |     |        | SCC     |       |        |         | Power     |            |  |  |
|----------|---------|-------|--------|---------|------|-----|--------|---------|-------|--------|---------|-----------|------------|--|--|
|          | LTE     | BW    | UL     | Channel | Mod. | UL# | UL     | LTE     | BW    | DL     | DL      | With CA   | Without CA |  |  |
|          | Band    | (MHz) | Freq.  |         |      | RB  | RB     | Band    | (MHz) | Freq.  | Channel | Tx. Power | Tx. Power  |  |  |
|          |         |       | (MHz)  |         |      |     | Offset |         |       | (MHz)  |         | (dBm)     | (dBm)      |  |  |
| CA_4A-5A | Band 4  | 20M   | 1732.5 | 20175   | QPSK | 1   | 0      | Band 5  | 10M   | 881.5  | 2525    | 18.63     | 18.80      |  |  |
|          | Band 5  | 10M   | 836.5  | 20525   | QPSK | 1   | 0      | Band 4  | 20M   | 2132.5 | 2175    | 22.56     | 22.86      |  |  |
| CA_4A-7A | Band 4  | 20M   | 1732.5 | 20175   | QPSK | 1   | 0      | Band 7  | 20M   | 2655   | 3100    | 18.59     | 18.80      |  |  |
|          | Band 7  | 20M   | 2535   | 21100   | QPSK | 1   | 0      | Band 4  | 20M   | 2132.5 | 2175    | 21.71     | 21.84      |  |  |
| CA_7B    | Band 7  | 15M   | 2535   | 21100   | QPSK | 1   | 0      | Band 7  | 5M    | 2664.3 | 3193    | 21.35     | 21.52      |  |  |
| CA_7A-7A | Band 7  | 20M   | 2535   | 21100   | QPSK | 1   | 0      | Band 7  | 5M    | 2687.5 | 3425    | 21.76     | 21.84      |  |  |
| CA_38C   | Band 38 | 20M   | 2580   | 37850   | QPSK | 1   | 0      | Band 38 | 20M   | 2599.8 | 38048   | 22.59     | 22.70      |  |  |
|          | Band 38 | 20M   | 2585.1 | 37901   | QPSK | 1   | 0      | Band 38 | 20M   | 2604.9 | 38099   | 22.76     | 22.96      |  |  |
|          | Band 38 | 20M   | 2610   | 38150   | QPSK | 1   | 0      | Band 38 | 20M   | 2590.2 | 37952   | 22.71     | 22.89      |  |  |

### 3CA DL

<Inter-Band for Three Carrier Combination> (two bands)

| CA List       | PCC     |       |        |         |      |        |       |         | SCC1  |        |         |         | SCC2  |        |         |           | Power      |  |
|---------------|---------|-------|--------|---------|------|--------|-------|---------|-------|--------|---------|---------|-------|--------|---------|-----------|------------|--|
|               | LTE     | BW    | UL     | UL      | Mod. | UL#    | UL    | LTE     | BW    | DL     | DL      | LTE     | BW    | DL     | DL      | With CA   | Without CA |  |
|               | Band    | (MHz) | Freq.  | Channel |      | RB     | RB    | Band    | (MHz) | Freq.  | Channel | Band    | (MHz) | Freq.  | Channel | Tx. Power | Tx. Power  |  |
|               | (MHz)   |       |        |         |      | Offset | (dBm) | (dBm)   |       |        |         |         |       |        |         |           |            |  |
| CA_4A-7C      | Band 4  | 20M   | 1732.5 | 20175   | QPSK | 1      | 0     | Band 7  | 20M   | 2655   | 3100    | Band 7  | 20M   | 2674.8 | 3298    | 18.62     | 18.80      |  |
|               | Band 7  | 20M   | 2535   | 21100   | QPSK | 1      | 0     | Band 7  | 20M   | 2674.8 | 3298    | Band 4  | 20M   | 2132.5 | 2175    | 21.58     | 21.84      |  |
| CA_7A-66A-66A | Band 7  | 20M   | 2535   | 21100   | QPSK | 1      | 0     | Band 66 | 20M   | 2155   | 66886   | Band 66 | 5M    | 2197.5 | 67311   | 21.62     | 21.84      |  |
|               | Band 66 | 20M   | 1745   | 132322  | QPSK | 1      | 0     | Band 66 | 5M    | 2197.5 | 67311   | Band 7  | 20M   | 2674.8 | 3298    | 18.39     | 18.6       |  |



| 2.4GHz WLAN | Full Power & Body Worn & Handheld |         |                 |                     |               |              |
|-------------|-----------------------------------|---------|-----------------|---------------------|---------------|--------------|
| 2.4GHz WLAN | Mode                              | Channel | Frequency (MHz) | Average power (dBm) | Time-Up Limit | Duty Cycle % |
|             | 802.11b 1Mbps                     | 1       | 2412            | 18.13               | 20.00         | 100.00       |
|             |                                   | 6       | 2437            | 18.43               | 20.00         |              |
|             |                                   | 11      | 2462            | 18.34               | 20.00         |              |
|             | 802.11g 6Mbps                     | 1       | 2412            | 17.84               | 19.50         | 97.90        |
|             |                                   | 6       | 2437            | 18.49               | 20.00         |              |
|             |                                   | 11      | 2462            | 16.01               | 17.50         |              |
|             | 802.11n-HT20 MCS9                 | 1       | 2412            | 17.91               | 19.00         | 98.50        |
|             |                                   | 6       | 2437            | 17.50               | 19.00         |              |
|             |                                   | 11      | 2462            | 16.22               | 18.00         |              |

| 5GHz WLAN   | Full Power & Head & Handheld |         |                 |                     |               |              |
|-------------|------------------------------|---------|-----------------|---------------------|---------------|--------------|
| 5.2GHz WLAN | Mode                         | Channel | Frequency (MHz) | Average power (dBm) | Time-Up Limit | Duty Cycle % |
|             | 802.11a 6Mbps                | 36      | 5180            | 17.95               | 18.50         | 97.90        |
|             |                              | 40      | 5200            | 18.05               | 19.00         |              |
|             |                              | 44      | 5220            | 18.14               | 19.00         |              |
|             |                              | 48      | 5240            | 18.17               | 19.00         |              |
|             | 802.11n-HT20 MCS9            | 36      | 5180            | 17.02               | 18.50         | 98.12        |
|             |                              | 40      | 5200            | 18.37               | 19.00         |              |
|             |                              | 44      | 5220            | 18.43               | 19.00         |              |
|             |                              | 48      | 5240            | 18.41               | 19.00         |              |
|             | 802.11n-HT40 MCS9            | 38      | 5190            | 12.96               | 14.00         | 96.24        |
|             |                              | 46      | 5230            | 18.16               | 19.00         |              |
|             |                              | 36      | 5180            | 16.19               | 17.00         |              |
|             |                              | 40      | 5200            | 16.20               | 17.00         |              |
|             | 802.11ac-VHT20 MCS9          | 44      | 5220            | 15.94               | 17.00         | 98.23        |
|             |                              | 48      | 5240            | 15.90               | 17.00         |              |
|             | 802.11ac-VHT40 MCS9          | 38      | 5190            | 15.06               | 17.00         | 96.27        |
|             |                              | 46      | 5230            | 15.93               | 17.00         |              |
|             | 802.11ac-VHT80 MCS9          | 42      | 5210            | 12.17               | 13.50         | 92.65        |

| 5GHz WLAN   | Full Power & Head & Handheld |         |                 |                     |               |              |
|-------------|------------------------------|---------|-----------------|---------------------|---------------|--------------|
| 5.3GHz WLAN | Mode                         | Channel | Frequency (MHz) | Average power (dBm) | Time-Up Limit | Duty Cycle % |
|             | 802.11a 6Mbps                | 52      | 5260            | 18.05               | 19.00         | 97.90        |
|             |                              | 56      | 5280            | 18.02               | 19.00         |              |
|             |                              | 60      | 5300            | 18.14               | 19.00         |              |
|             |                              | 64      | 5320            | 17.75               | 19.00         |              |
|             | 802.11n-HT20 MCS9            | 52      | 5260            | 18.37               | 19.00         | 98.12        |
|             |                              | 56      | 5280            | 18.39               | 19.00         |              |
|             |                              | 60      | 5300            | 18.36               | 19.00         |              |
|             |                              | 64      | 5320            | 17.62               | 19.00         |              |
|             | 802.11n-HT40 MCS9            | 54      | 5270            | 18.33               | 19.00         | 96.24        |
|             |                              | 62      | 5310            | 15.62               | 17.00         |              |
|             | 802.11ac-VHT20 MCS9          | 52      | 5260            | 15.73               | 17.00         | 98.23        |
|             |                              | 56      | 5280            | 15.83               | 17.00         |              |
|             |                              | 60      | 5300            | 15.81               | 17.00         |              |
|             |                              | 64      | 5320            | 15.87               | 17.00         |              |
|             | 802.11ac-VHT40 MCS9          | 54      | 5270            | 15.72               | 17.00         | 96.27        |
|             |                              | 62      | 5310            | 15.77               | 17.00         |              |
|             | 802.11ac-VHT80 MCS9          | 58      | 5290            | 14.47               | 16.00         | 92.65        |

| 5GHz WLAN   | Full Power & Head & Handheld |         |                 |                     |               |              |
|-------------|------------------------------|---------|-----------------|---------------------|---------------|--------------|
| 5.5GHz WLAN | Mode                         | Channel | Frequency (MHz) | Average power (dBm) | Time-Up Limit | Duty Cycle % |
|             | 802.11a 6Mbps                | 100     | 5500            | 18.83               | 19.00         | 97.90        |
|             |                              | 116     | 5580            | 18.70               | 19.00         |              |
|             |                              | 124     | 5620            | 18.68               | 19.00         |              |
|             |                              | 132     | 5660            | 18.03               | 19.00         |              |
|             |                              | 140     | 5700            | 18.35               | 19.00         |              |
|             |                              | 144     | 5720            | 18.10               | 19.00         |              |
|             | 802.11n-HT20 MCS9            | 100     | 5500            | 18.72               | 19.00         | 98.12        |
|             |                              | 116     | 5580            | 18.62               | 19.00         |              |
|             |                              | 124     | 5620            | 18.71               | 19.00         |              |
|             |                              | 132     | 5660            | 18.27               | 19.00         |              |
|             |                              | 140     | 5700            | 18.48               | 19.00         |              |
|             |                              | 144     | 5720            | 18.30               | 19.00         |              |
|             | 802.11n-HT40 MCS9            | 102     | 5510            | 16.34               | 18.00         | 96.24        |
|             |                              | 110     | 5550            | 18.44               | 19.00         |              |
|             |                              | 126     | 5630            | 18.93               | 19.00         |              |
|             |                              | 134     | 5670            | 17.72               | 18.50         |              |
|             |                              | 142     | 5710            | 18.33               | 19.00         |              |
|             | 802.11ac-VHT20 MCS9          | 100     | 5500            | 15.99               | 17.00         | 98.23        |
|             |                              | 116     | 5580            | 15.64               | 17.00         |              |
|             |                              | 124     | 5620            | 16.24               | 17.00         |              |
|             |                              | 132     | 5660            | 16.03               | 17.00         |              |
|             |                              | 140     | 5700            | 16.83               | 17.00         |              |
|             |                              | 144     | 5720            | 16.88               | 17.00         |              |
|             | 802.11ac-VHT40 MCS9          | 102     | 5510            | 15.88               | 17.00         | 96.27        |
|             |                              | 110     | 5550            | 16.06               | 17.00         |              |
|             |                              | 126     | 5630            | 16.25               | 17.00         |              |
|             |                              | 134     | 5670            | 16.27               | 17.00         |              |
|             |                              | 142     | 5710            | 16.62               | 17.00         |              |
|             | 802.11ac-VHT80 MCS9          | 106     | 5530            | 12.94               | 14.00         | 92.65        |
|             |                              | 122     | 5610            | 15.91               | 17.00         |              |
|             |                              | 138     | 5690            | 16.46               | 17.00         |              |

| 5GHz WLAN   | Full Power & Head & Handheld |         |                 |                     |               |              |
|-------------|------------------------------|---------|-----------------|---------------------|---------------|--------------|
| 5.8GHz WLAN | Mode                         | Channel | Frequency (MHz) | Average power (dBm) | Time-Up Limit | Duty Cycle % |
|             | 802.11a 6Mbps                | 149     | 5745            | 16.13               | 17.00         | 97.90        |
|             |                              | 157     | 5785            | 16.06               | 17.00         |              |
|             |                              | 165     | 5825            | 16.10               | 17.00         |              |
|             | 802.11n-HT20 MCS9            | 149     | 5745            | 16.36               | 17.00         | 98.12        |
|             |                              | 157     | 5785            | 16.27               | 17.00         |              |
|             |                              | 165     | 5825            | 16.29               | 17.00         |              |
|             | 802.11n-HT40 MCS9            | 151     | 5755            | 15.58               | 16.50         | 96.24        |
|             |                              | 159     | 5795            | 15.94               | 16.50         |              |
|             |                              | 148     | 5745            | 16.03               | 17.00         |              |
|             | 802.11ac-VHT20 MCS9          | 157     | 5785            | 16.37               | 17.00         | 98.23        |
|             |                              | 165     | 5825            | 16.32               | 17.00         |              |
|             | 802.11ac-VHT40 MCS9          | 151     | 5755            | 15.98               | 16.50         | 96.27        |
|             |                              | 159     | 5795            | 15.28               | 16.50         |              |
|             | 802.11ac-VHT80 MCS9          | 155     | 5775            | 15.61               | 16.50         | 92.65        |

#### Bluetooth

| Mode          | Channel | Frequency (MHz) | Average power (dBm) |       |       |
|---------------|---------|-----------------|---------------------|-------|-------|
|               |         |                 | 1Mbps               | 2Mbps | 3Mbps |
|               | CH 00   | 2402            | 9.40                | 7.67  | 7.67  |
|               | CH 39   | 2441            | 10.54               | 7.43  | 8.27  |
| Time-up Limit |         | 2480            | 9.62                | 7.96  | 7.83  |
|               |         |                 | 11.00               |       |       |

| Mode          | Channel | Frequency (MHz) | Average power (dBm) |  |
|---------------|---------|-----------------|---------------------|--|
|               |         |                 | GFSK                |  |
|               | CH 00   | 2402            | 4.08                |  |
|               | CH 19   | 2440            | 5.19                |  |
| Time-up Limit | CH 39   | 2480            | 5.63                |  |
|               |         |                 | 7.00                |  |

| Mode          | Channel | Frequency (MHz) | Average power (dBm) |  |
|---------------|---------|-----------------|---------------------|--|
|               | CH 00   | 2402            | 3.86                |  |
|               | CH 19   | 2440            | 5.11                |  |
|               | CH 39   | 2480            | 5.66                |  |
| Time-up Limit |         |                 | 7.00                |  |

| 2.4GHz WLAN | At Head           |         |                 |                     |               |              |
|-------------|-------------------|---------|-----------------|---------------------|---------------|--------------|
| 2.4GHz WLAN | Mode              | Channel | Frequency (MHz) | Average power (dBm) | Time-Up Limit | Duty Cycle % |
|             | 802.11b 1Mbps     | 1       | 2412            | 18.13               | 19.00         | 100.00       |
|             |                   | 6       | 2437            | 18.43               | 19.00         |              |
|             |                   | 11      | 2462            | 18.34               | 19.00         |              |
|             | 802.11g 6Mbps     | 1       | 2412            | 17.84               | 19.00         | 97.90        |
|             |                   | 6       | 2437            | 18.49               | 19.00         |              |
|             |                   | 11      | 2462            | 16.01               | 17.50         |              |
|             | 802.11n-HT20 MCS9 | 1       | 2412            | 17.91               | 19.00         | 98.50        |
|             |                   | 6       | 2437            | 17.50               | 19.00         |              |
|             |                   | 11      | 2462            | 16.22               | 18.00         |              |

| 5GHz WLAN   | Reduced Power for Simultaneous&Hotspot |         |                 |                     |               |              |
|-------------|----------------------------------------|---------|-----------------|---------------------|---------------|--------------|
| 5.2GHz WLAN | Mode                                   | Channel | Frequency (MHz) | Average power (dBm) | Time-Up Limit | Duty Cycle % |
|             | 802.11a 6Mbps                          | 36      | 5180            | 7.15                | 7.50          | 97.90        |
|             |                                        | 40      | 5200            | 7.23                | 7.50          |              |
|             |                                        | 44      | 5220            | 7.19                | 7.50          |              |
|             |                                        | 48      | 5240            | 7.17                | 7.50          |              |
|             | 802.11n-HT20 MCS9                      | 36      | 5180            | 7.50                | 7.50          | 98.16        |
|             |                                        | 40      | 5200            | 7.50                | 7.50          |              |
|             |                                        | 44      | 5220            | 7.50                | 7.50          |              |
|             |                                        | 48      | 5240            | 7.50                | 7.50          |              |
|             | 802.11n-HT40 MCS9                      | 38      | 5190            | 7.00                | 7.00          | 96.03        |
|             |                                        | 46      | 5230            | 7.00                | 7.00          |              |
|             |                                        | 36      | 5180            | 7.50                | 7.50          |              |
|             |                                        | 40      | 5200            | 7.50                | 7.50          |              |
|             | 802.11ac-VHT20 MCS9                    | 44      | 5220            | 7.50                | 7.50          | 98.01        |
|             |                                        | 48      | 5240            | 7.50                | 7.50          |              |
|             | 802.11ac-VHT40 MCS9                    | 38      | 5190            | 7.00                | 7.00          | 96.50        |
|             |                                        | 46      | 5230            | 7.00                | 7.00          |              |
|             | 802.11ac-VHT80 MCS9                    | 42      | 5210            | 7.00                | 7.00          | 91.00        |

| 5GHz WLAN   | Reduced Power for Simultaneous |         |                 |                     |               |              |
|-------------|--------------------------------|---------|-----------------|---------------------|---------------|--------------|
| 5.3GHz WLAN | Mode                           | Channel | Frequency (MHz) | Average power (dBm) | Time-Up Limit | Duty Cycle % |
|             | 802.11a 6Mbps                  | 52      | 5260            | 6.30                | 7.50          | 97.90        |
|             |                                | 56      | 5280            | 6.16                | 7.50          |              |
|             |                                | 60      | 5300            | 6.31                | 7.50          |              |
|             |                                | 64      | 5320            | 6.27                | 7.50          |              |
|             | 802.11n-HT20 MCS9              | 52      | 5260            | 7.50                | 7.50          | 98.16        |
|             |                                | 56      | 5280            | 7.50                | 7.50          |              |
|             |                                | 60      | 5300            | 7.50                | 7.50          |              |
|             |                                | 64      | 5320            | 7.50                | 7.50          |              |
|             | 802.11n-HT40 MCS9              | 54      | 5270            | 7.00                | 7.00          | 96.03        |
|             |                                | 62      | 5310            | 7.00                | 7.00          |              |
|             | 802.11ac-VHT20 MCS9            | 52      | 5260            | 7.50                | 7.50          | 98.01        |
|             |                                | 56      | 5280            | 7.50                | 7.50          |              |
|             |                                | 60      | 5300            | 7.50                | 7.50          |              |
|             |                                | 64      | 5320            | 7.50                | 7.50          |              |
|             | 802.11ac-VHT40 MCS9            | 54      | 5270            | 7.00                | 7.00          | 96.50        |
|             |                                | 62      | 5310            | 7.00                | 7.00          |              |
|             | 802.11ac-VHT80 MCS9            | 58      | 5290            | 7.00                | 7.00          | 91.00        |

| 5GHz WLAN | Reduc |
|-----------|-------|
|-----------|-------|