

|       |     |                                                |               |      |         |
|-------|-----|------------------------------------------------|---------------|------|---------|
| 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.

| DSI 2&4&6       |  |                            |       |       |                      |                            |       |       |
|-----------------|--|----------------------------|-------|-------|----------------------|----------------------------|-------|-------|
| GSM850          |  | Burst Average Power (ddbm) |       |       | Tune-up Limit (ddbm) | Frame-Average Power (ddbm) |       |       |
| 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   |  | 31.91                      | 32.04 | 32.05 | 33.50                | 22.91                      | 23.04 | 23.05 |
| GPRS 1 Tx slot  |  | 31.96                      | 32.06 | 32.08 | 33.50                | 22.96                      | 23.06 | 23.08 |
| GPRS 2 Tx slots |  | 30.81                      | 30.62 | 30.52 | 32.50                | 24.81                      | 24.62 | 24.52 |
| GPRS 3 Tx slots |  | 29.56                      | 29.09 | 28.58 | 30.50                | 25.30                      | 24.83 | 24.32 |
| GPRS 4 Tx slots |  | 27.54                      | 27.01 | 26.55 | 28.50                | 24.54                      | 24.01 | 23.55 |
| EDGE 1 Tx slot  |  | 25.39                      | 25.51 | 25.47 | 27.00                | 16.39                      | 16.51 | 16.47 |
| EDGE 2 Tx slots |  | 24.37                      | 24.45 | 24.40 | 25.50                | 18.37                      | 18.45 | 18.40 |
| EDGE 3 Tx slots |  | 22.79                      | 22.87 | 22.83 | 24.00                | 18.53                      | 18.61 | 18.57 |
| EDGE 4 Tx slots |  | 21.19                      | 21.32 | 21.26 | 22.50                | 18.19                      | 18.32 | 18.26 |

| DSI 2&4&6       |  |                           |       |        |                     |                           |       |        |
|-----------------|--|---------------------------|-------|--------|---------------------|---------------------------|-------|--------|
| GSM1900         |  | Burst Average Power (dbm) |       |        | Tune-up Limit (dbm) | Frame-Average Power (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   |  | 29.46                     | 29.47 | 29.19  | 30.50               | 20.46                     | 20.47 | 20.19  |
| GPRS 1 Tx slot  |  | 29.50                     | 29.50 | 29.27  | 30.50               | 20.50                     | 20.50 | 20.27  |
| GPRS 2 Tx slots |  | 28.43                     | 28.42 | 28.21  | 29.50               | 22.43                     | 22.42 | 22.21  |
| GPRS 3 Tx slots |  | 26.58                     | 26.61 | 26.42  | 28.00               | 22.32                     | 22.35 | 22.16  |
| GPRS 4 Tx slots |  | 24.94                     | 24.48 | 24.08  | 26.00               | 21.94                     | 21.48 | 21.08  |
| EDGE 1 Tx slot  |  | 24.55                     | 24.66 | 24.74  | 26.00               | 15.55                     | 15.66 | 15.74  |
| EDGE 2 Tx slots |  | 23.35                     | 23.49 | 23.62  | 24.50               | 17.35                     | 17.49 | 17.62  |
| EDGE 3 Tx slots |  | 21.70                     | 21.82 | 21.94  | 23.00               | 17.44                     | 17.56 | 17.68  |
| EDGE 4 Tx slots |  | 20.12                     | 20.23 | 20.33  | 21.50               | 17.12                     | 17.23 | 17.33  |

| DSI 2&4&6       |                    |          |       |        |                     |          |        |       |                     |         |       |       |                     |
|-----------------|--------------------|----------|-------|--------|---------------------|----------|--------|-------|---------------------|---------|-------|-------|---------------------|
| 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  |                     |
| No Channel      |                    | 9662     | 9800  | 9938   | 1537                | 1638     | 1738   |       | 4357                | 4407    | 4468  |       |                     |
| Frequency (MHz) |                    | 1852.4   | 1880  | 1907.6 | 1712.4              | 1725.6   | 1752.6 |       | 826.4               | 836.4   | 846.6 |       |                     |
| 3GPP Rel 99     | AMR 12.2Kbps       | 23.18    | 22.86 | 23.01  | 24.00               | 23.06    | 23.07  | 23.01 | 24.00               | 22.87   | 23.01 | 22.89 | 24.00               |
| 3GPP Rel 99     | RMC 12.2Kbps       | 23.23    | 22.95 | 23.03  | 24.00               | 23.10    | 23.12  | 23.06 | 24.00               | 22.95   | 23.06 | 22.96 | 24.00               |
| 3GPP Rel 6      | HSDPA Subtest-1    | 22.26    | 22.00 | 22.05  | 23.00               | 22.11    | 22.13  | 22.08 | 23.00               | 21.97   | 22.07 | 21.99 | 23.00               |
| 3GPP Rel 6      | HSDPA Subtest-2    | 22.30    | 22.00 | 22.04  | 23.00               | 22.10    | 22.16  | 22.09 | 23.00               | 21.99   | 21.76 | 21.96 | 23.00               |
| 3GPP Rel 6      | HSDPA Subtest-3    | 21.78    | 21.50 | 21.52  | 22.50               | 21.63    | 21.63  | 21.60 | 22.50               | 21.50   | 21.57 | 21.15 | 22.50               |
| 3GPP Rel 6      | HSDPA Subtest-4    | 21.78    | 21.50 | 21.35  | 22.50               | 21.58    | 21.62  | 21.60 | 22.50               | 21.50   | 21.23 | 21.48 | 22.50               |
| 3GPP Rel 8      | DC-HSDPA Subtest-1 | 22.18    | 21.99 | 21.95  | 23.50               | 22.06    | 22.08  | 22.00 | 23.50               | 21.88   | 22.06 | 21.94 | 23.50               |
| 3GPP Rel 8      | DC-HSDPA Subtest-2 | 22.30    | 21.96 | 21.99  | 23.50               | 22.03    | 22.10  | 22.05 | 23.50               | 21.90   | 21.76 | 21.94 | 23.50               |
| 3GPP Rel 8      | DC-HSDPA Subtest-3 | 21.76    | 21.47 | 21.52  | 23.00               | 21.54    | 21.60  | 21.51 | 23.00               | 21.42   | 21.49 | 21.11 | 23.00               |
| 3GPP Rel 8      | DC-HSDPA Subtest-4 | 21.71    | 21.42 | 21.25  | 23.00               | 21.52    | 21.60  | 21.53 | 23.00               | 21.47   | 21.21 | 21.43 | 23.00               |
| 3GPP Rel 6      | HSUPA Subtest-1    | 22.27    | 22.02 | 22.04  | 23.00               | 22.11    | 22.08  | 22.04 | 23.00               | 21.93   | 22.08 | 21.97 | 23.00               |
| 3GPP Rel 6      | HSUPA Subtest-2    | 20.27    | 19.99 | 20.06  | 21.00               | 20.11    | 20.11  | 20.07 | 21.00               | 19.93   | 19.91 | 19.92 | 21.00               |
| 3GPP Rel 6      | HSUPA Subtest-3    | 21.27    | 21.00 | 21.06  | 22.00               | 21.10    | 21.06  | 21.02 | 22.00               | 20.88   | 20.94 | 20.88 | 22.00               |
| 3GPP Rel 6      | HSUPA Subtest-4    | 20.28    | 20.04 | 19.98  | 21.00               | 20.16    | 20.17  | 20.10 | 21.00               | 19.97   | 19.94 | 19.86 | 21.00               |
| 3GPP Rel 6      | HSUPA Subtest-5    | 22.30    | 22.00 | 22.10  | 23.00               | 22.10    | 22.10  | 22.60 | 23.00               | 22.00   | 21.90 | 21.90 | 23.00               |

| DSI 2&4&6        |  |          |        |        |
|------------------|--|----------|--------|--------|
| Band             |  | CDMA BC0 |        |        |
| TX Channel       |  | 1013     | 384    | 777    |
| Frequency (MHz)  |  | 824.7    | 836.52 | 848.31 |
| RC1 S055         |  | 23.75    | 23.92  | 23.93  |
| RC3 S055         |  | 23.73    | 23.98  | 23.90  |
| RC3 S032 (F+SCH) |  | 23.72    | 23.94  | 23.92  |
| RC3 S032 (H+SCH) |  | 23.71    | 23.95  | 23.92  |
| RTAP 153.6Kbps   |  | 23.77    | 23.95  | 23.94  |
| RETAP 4096bits   |  | 23.74    | 23.94  | 23.91  |



| Band 2_Ant 1 DSI 2&4&6 |            |         |           |                       |                          |                        |                     |          |       |       |       |  |                                     |       |       |                     |          |
|------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|-------|-------|-------|--|-------------------------------------|-------|-------|---------------------|----------|
| BW (MHz)               | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Turn-up limit (dBm) | MPR (dB) |       |       |       |  |                                     |       |       |                     |          |
| Channel                |            |         |           |                       |                          |                        |                     |          | 18700 | 18600 | 19100 |  |                                     |       |       |                     |          |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 20                     | QPSK       | 1       | 0         | 23.02                 | 22.73                    | 22.81                  | 24                  | 0        |       |       |       |  |                                     |       |       |                     |          |
| 20                     | QPSK       | 1       | 49        | 22.83                 | 22.61                    | 22.68                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 20                     | QPSK       | 1       | 99        | 22.71                 | 22.59                    | 22.64                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 20                     | QPSK       | 50      | 0         | 22.68                 | 21.82                    | 21.88                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 20                     | QPSK       | 50      | 24        | 22.07                 | 21.82                    | 21.84                  | 23                  | 1        |       |       |       |  |                                     |       |       |                     |          |
| 20                     | QPSK       | 50      | 50        | 21.93                 | 21.78                    | 21.85                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 20                     | QPSK       | 100     | 0         | 22.06                 | 21.80                    | 21.76                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 20                     | 16QAM      | 1       | 0         | 22.35                 | 22.10                    | 22.09                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 20                     | 16QAM      | 1       | 49        | 22.22                 | 22.02                    | 22.02                  | 23                  | 1        |       |       |       |  |                                     |       |       |                     |          |
| 20                     | 16QAM      | 1       | 99        | 22.04                 | 21.93                    | 22.03                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 20                     | 16QAM      | 50      | 0         | 21.11                 | 20.83                    | 20.78                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 20                     | 16QAM      | 50      | 24        | 21.09                 | 20.83                    | 20.86                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 20                     | 16QAM      | 50      | 50        | 20.96                 | 20.79                    | 20.79                  | 22                  | 2        |       |       |       |  |                                     |       |       |                     |          |
| 20                     | 16QAM      | 100     | 0         | 21.06                 | 20.79                    | 20.75                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 20                     | 64QAM      | 1       | 0         | 21.27                 | 20.93                    | 20.97                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 20                     | 64QAM      | 1       | 49        | 21.09                 | 20.83                    | 20.93                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 20                     | 64QAM      | 1       | 99        | 20.88                 | 20.79                    | 20.87                  | 22                  | 2        |       |       |       |  |                                     |       |       |                     |          |
| 20                     | 64QAM      | 50      | 0         | 20.14                 | 19.84                    | 19.87                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 20                     | 64QAM      | 50      | 24        | 20.10                 | 19.85                    | 19.89                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 20                     | 64QAM      | 50      | 50        | 19.98                 | 19.81                    | 19.90                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 20                     | 64QAM      | 100     | 0         | 20.08                 | 19.85                    | 19.81                  | 21                  | 3        |       |       |       |  |                                     |       |       |                     |          |
| Channel                |            |         |           |                       |                          |                        |                     |          |       |       |       |  | 18075                               | 18060 | 19125 | Turn-up limit (dBm) | MPR (dB) |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |       |       |       |  | 18075 <td>18060</td> <td>19025</td> | 18060 | 19025 |                     |          |
| 15                     | QPSK       | 1       | 0         | 22.95                 | 22.69                    | 22.80                  |                     |          |       |       |       |  | 24                                  | 0     |       |                     |          |
| 15                     | QPSK       | 1       | 37        | 22.80                 | 22.54                    | 22.62                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 15                     | QPSK       | 1       | 74        | 22.67                 | 22.56                    | 22.55                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 15                     | QPSK       | 36      | 0         | 22.04                 | 21.72                    | 21.78                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 15                     | QPSK       | 36      | 20        | 21.99                 | 21.73                    | 21.79                  | 23                  | 1        |       |       |       |  |                                     |       |       |                     |          |
| 15                     | QPSK       | 36      | 39        | 21.93                 | 21.71                    | 21.81                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 15                     | QPSK       | 75      | 0         | 22.04                 | 21.74                    | 21.71                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 15                     | 16QAM      | 1       | 0         | 22.31                 | 22.06                    | 21.99                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 15                     | 16QAM      | 1       | 37        | 22.19                 | 21.97                    | 21.94                  | 23                  | 1        |       |       |       |  |                                     |       |       |                     |          |
| 15                     | 16QAM      | 1       | 74        | 22.01                 | 21.91                    | 22.01                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 15                     | 16QAM      | 36      | 0         | 21.10                 | 20.81                    | 20.73                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 15                     | 16QAM      | 36      | 20        | 21.08                 | 20.76                    | 20.76                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 15                     | 16QAM      | 36      | 39        | 20.95                 | 20.76                    | 20.79                  | 22                  | 2        |       |       |       |  |                                     |       |       |                     |          |
| 15                     | 16QAM      | 75      | 0         | 20.98                 | 20.74                    | 20.76                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 15                     | 64QAM      | 1       | 0         | 21.24                 | 20.90                    | 20.87                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 15                     | 64QAM      | 1       | 37        | 21.09                 | 20.79                    | 20.83                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 15                     | 64QAM      | 1       | 74        | 20.87                 | 20.73                    | 20.86                  | 22                  | 2        |       |       |       |  |                                     |       |       |                     |          |
| 15                     | 64QAM      | 36      | 0         | 20.10                 | 19.82                    | 19.77                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 15                     | 64QAM      | 36      | 20        | 20.08                 | 19.83                    | 19.81                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 15                     | 64QAM      | 36      | 39        | 19.89                 | 19.76                    | 19.84                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 15                     | 64QAM      | 75      | 0         | 20.06                 | 19.75                    | 19.71                  | 21                  | 3        |       |       |       |  |                                     |       |       |                     |          |
| Channel                |            |         |           |                       |                          |                        |                     |          |       |       |       |  | 18650                               | 18600 | 19150 | Turn-up limit (dBm) | MPR (dB) |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |       |       |       |  | 18650 <td>18600</td> <td>19005</td> | 18600 | 19005 |                     |          |
| 10                     | QPSK       | 1       | 0         | 23.00                 | 22.73                    | 22.78                  |                     |          |       |       |       |  | 24                                  | 0     |       |                     |          |
| 10                     | QPSK       | 1       | 25        | 22.80                 | 22.60                    | 22.67                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 10                     | QPSK       | 1       | 49        | 22.67                 | 22.51                    | 22.60                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 10                     | QPSK       | 25      | 0         | 22.05                 | 21.79                    | 21.81                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 10                     | QPSK       | 25      | 13        | 22.02                 | 21.73                    | 21.82                  | 23                  | 1        |       |       |       |  |                                     |       |       |                     |          |
| 10                     | QPSK       | 25      | 25        | 21.93                 | 21.76                    | 21.84                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 10                     | QPSK       | 50      | 0         | 22.03                 | 21.72                    | 21.71                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 10                     | 16QAM      | 1       | 0         | 22.29                 | 22.03                    | 22.09                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 10                     | 16QAM      | 1       | 25        | 22.22                 | 21.93                    | 22.02                  | 23                  | 1        |       |       |       |  |                                     |       |       |                     |          |
| 10                     | 16QAM      | 1       | 49        | 22.00                 | 21.83                    | 21.97                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 10                     | 16QAM      | 25      | 0         | 21.09                 | 20.81                    | 20.73                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 10                     | 16QAM      | 25      | 12        | 21.06                 | 20.78                    | 20.79                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 10                     | 16QAM      | 25      | 25        | 20.96                 | 20.72                    | 20.85                  | 22                  | 2        |       |       |       |  |                                     |       |       |                     |          |
| 10                     | 16QAM      | 50      | 0         | 21.01                 | 20.70                    | 20.76                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 10                     | 64QAM      | 1       | 0         | 21.21                 | 20.87                    | 20.86                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 10                     | 64QAM      | 1       | 25        | 21.09                 | 20.74                    | 20.85                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 10                     | 64QAM      | 1       | 49        | 20.78                 | 20.78                    | 20.80                  | 22                  | 2        |       |       |       |  |                                     |       |       |                     |          |
| 10                     | 64QAM      | 25      | 0         | 20.04                 | 19.75                    | 19.78                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 10                     | 64QAM      | 25      | 12        | 20.08                 | 19.76                    | 19.80                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 10                     | 64QAM      | 25      | 25        | 19.94                 | 19.71                    | 19.84                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 10                     | 64QAM      | 50      | 0         | 19.99                 | 19.75                    | 19.71                  | 21                  | 3        |       |       |       |  |                                     |       |       |                     |          |
| Channel                |            |         |           |                       |                          |                        |                     |          |       |       |       |  | 18625                               | 18600 | 19175 | Turn-up limit (dBm) | MPR (dB) |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |       |       |       |  | 18625 <td>18600</td> <td>19075</td> | 18600 | 19075 |                     |          |
| 5                      | QPSK       | 1       | 0         | 22.97                 | 22.67                    | 22.75                  |                     |          |       |       |       |  | 24                                  | 0     |       |                     |          |
| 5                      | QPSK       | 1       | 12        | 22.78                 | 22.57                    | 22.63                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 5                      | QPSK       | 1       | 24        | 22.64                 | 22.63                    | 22.64                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 5                      | QPSK       | 12      | 0         | 21.98                 | 21.80                    | 21.84                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 5                      | QPSK       | 12      | 7         | 22.01                 | 21.75                    | 21.79                  | 23                  | 1        |       |       |       |  |                                     |       |       |                     |          |
| 5                      | QPSK       | 12      | 13        | 21.90                 | 21.70                    | 21.82                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 5                      | QPSK       | 25      | 0         | 21.96                 | 21.79                    | 21.71                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 5                      | 16QAM      | 1       | 0         | 22.35                 | 22.01                    | 22.01                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 5                      | 16QAM      | 1       | 12        | 22.17                 | 21.92                    | 21.93                  | 23                  | 1        |       |       |       |  |                                     |       |       |                     |          |
| 5                      | 16QAM      | 1       | 24        | 21.98                 | 21.91                    | 21.95                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 5                      | 16QAM      | 12      | 0         | 21.05                 | 20.75                    | 20.78                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 5                      | 16QAM      | 12      | 7         | 21.02                 | 20.80                    | 20.86                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 5                      | 16QAM      | 12      | 13        | 20.91                 | 20.75                    | 20.75                  | 22                  | 2        |       |       |       |  |                                     |       |       |                     |          |
| 5                      | 16QAM      | 25      | 0         | 21.05                 | 20.70                    | 20.75                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 5                      | 64QAM      | 1       | 0         | 21.23                 | 20.86                    | 20.92                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 5                      | 64QAM      | 1       | 12        | 21.06                 | 20.81                    | 20.83                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 5                      | 64QAM      | 1       | 24        | 20.86                 | 20.70                    | 20.80                  | 22                  | 2        |       |       |       |  |                                     |       |       |                     |          |
| 5                      | 64QAM      | 12      | 0         | 20.09                 | 19.77                    | 19.74                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 5                      | 64QAM      | 12      | 7         | 20.00                 | 19.81                    | 19.81                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 5                      | 64QAM      | 12      | 13        | 19.89                 | 19.72                    | 19.89                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 5                      | 64QAM      | 25      | 0         | 20.00                 | 19.85                    | 19.81                  | 21                  | 3        |       |       |       |  |                                     |       |       |                     |          |
| Channel                |            |         |           |                       |                          |                        |                     |          |       |       |       |  | 18625                               | 18600 | 19175 | Turn-up limit (dBm) | MPR (dB) |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |       |       |       |  | 18615 <td>18600</td> <td>19185</td> | 18600 | 19185 |                     |          |
| 3                      | QPSK       | 1       | 0         | 22.94                 | 22.70                    | 22.73                  |                     |          |       |       |       |  | 24                                  | 0     |       |                     |          |
| 3                      | QPSK       | 1       | 8         | 22.77                 | 22.61                    | 22.59                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 3                      | QPSK       | 1       | 14        | 22.63                 | 22.57                    | 22.62                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 3                      | QPSK       | 8       | 0         | 22.08                 | 21.74                    | 21.85                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 3                      | QPSK       | 8       | 4         | 22.04                 | 21.77                    | 21.83                  | 23                  | 1        |       |       |       |  |                                     |       |       |                     |          |
| 3                      | QPSK       | 8       | 7         | 21.86                 | 21.74                    | 21.78                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 3                      | QPSK       | 15      | 0         | 22.05                 | 21.80                    | 21.66                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 3                      | 16QAM      | 1       | 0         | 22.28                 | 22.06                    | 22.01                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 3                      | 16QAM      | 1       | 8         | 22.21                 | 21.98                    | 21.62                  | 23                  | 1        |       |       |       |  |                                     |       |       |                     |          |
| 3                      | 16QAM      | 1       | 14        | 21.95                 | 21.85                    | 22.00                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 3                      | 16QAM      | 8       | 0         | 21.10                 | 20.82                    | 20.78                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 3                      | 16QAM      | 8       | 4         | 21.08                 | 20.74                    | 20.85                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 3                      | 16QAM      | 8       | 7         | 20.90                 | 20.73                    | 20.84                  | 22                  | 2        |       |       |       |  |                                     |       |       |                     |          |
| 3                      | 16QAM      | 15      | 0         | 21.03                 | 20.92                    | 20.77                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 3                      | 16QAM      | 1       | 0         | 21.22                 | 20.91                    | 20.92                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 3                      | 64QAM      | 1       | 8         | 21.04                 | 20.74                    | 20.83                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 3                      | 64QAM      | 1       | 14        | 20.84                 | 20.70                    | 20.86                  | 22                  | 2        |       |       |       |  |                                     |       |       |                     |          |
| 3                      | 64QAM      | 8       | 0         | 20.07                 | 19.77                    | 19.79                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 3                      | 64QAM      | 8       | 4         | 20.06                 | 19.56                    | 19.75                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 3                      | 64QAM      | 8       | 7         | 19.88                 | 19.58                    | 19.83                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 3                      | 64QAM      | 15      | 0         | 20.04                 | 19.84                    | 19.90                  | 21                  | 3        |       |       |       |  |                                     |       |       |                     |          |
| Channel                |            |         |           |                       |                          |                        |                     |          |       |       |       |  | 18607                               | 18600 | 19193 | Turn-up limit (dBm) | MPR (dB) |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |       |       |       |  | 18607 <td>18600</td> <td>19093</td> | 18600 | 19093 |                     |          |
| 1.4                    | QPSK       | 1       | 0         | 23.00                 | 22.64                    | 22.76                  |                     |          |       |       |       |  | 24                                  | 0     |       |                     |          |
| 1.4                    | QPSK       | 1       | 3         | 22.83                 | 22.54                    | 22.68                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 1.4                    | QPSK       | 3       | 0         | 22.79                 | 22.60                    | 22.66                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 1.4                    | QPSK       | 3       | 1         | 22.84                 | 22.57                    | 22.56                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 1.4                    | QPSK       | 3       | 3         | 22.67                 | 22.49                    | 22.64                  | 23                  | 1        |       |       |       |  |                                     |       |       |                     |          |
| 1.4                    | QPSK       | 6       | 0         | 22.37                 | 22.12                    | 22.10                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 1.4                    | 16QAM      | 1       | 0         | 22.35                 | 21.96                    | 22.00                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 1.4                    | 16QAM      | 1       | 3         | 22.15                 | 21.94                    | 22.01                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 1.4                    | 16QAM      | 3       | 0         | 21.98                 | 21.88                    | 21.96                  | 23                  | 1        |       |       |       |  |                                     |       |       |                     |          |
| 1.4                    | 16QAM      | 3       | 1         | 22.00                 | 21.87                    | 21.82                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 1.4                    | 16QAM      | 3       | 3         | 21.95                 | 21.75                    | 21.83                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 1.4                    | 16QAM      | 6       | 0         | 21.41                 | 21.15                    | 21.14                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 1.4                    | 16QAM      | 1       | 0         | 21.18                 | 20.87                    | 20.91                  | 22                  | 2        |       |       |       |  |                                     |       |       |                     |          |
| 1.4                    | 64QAM      | 1       | 3         | 21.07                 | 20.75                    | 20.84                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 1.4                    | 64QAM      | 1       | 5         | 20.87                 | 20.70                    | 20.85                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 1.4                    | 64QAM      | 3       | 1         | 21.06                 | 20.83                    | 20.72                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 1.4                    | 64QAM      | 3       | 3         | 21.02                 | 20.79                    | 20.80                  | 22                  | 2        |       |       |       |  |                                     |       |       |                     |          |
| 1.4                    | 64QAM      | 3       | 3         | 20.92                 | 20.73                    | 20.83                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 1.4                    | 64QAM      | 6       | 0         | 20.39                 | 20.24                    | 20.17                  |                     |          |       |       |       |  |                                     |       |       |                     |          |
| 1.4                    | 64QAM      | 3       | 3         | 20.92                 | 20.73                    | 20.83                  |                     |          |       |       |       |  |                                     |       |       |                     |          |

| Band 4_Ant2 DSI 2&4&6&3&5 |            |         |           |                       |                          |                        |                     |          |  |  |  |
|---------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|--|--|
| BW (MHz)                  | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Turn-up limit (dBm) | MPR (dB) |  |  |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |  |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |  |  |
| 20                        | QPSK       | 1       | 0         | 20.92                 | 20.91                    | 20.89                  | 22                  | 0        |  |  |  |
| 20                        | QPSK       | 1       | 49        | 20.71                 | 20.71                    | 20.68                  |                     |          |  |  |  |
| 20                        | QPSK       | 1       | 99        | 20.74                 | 20.66                    | 20.62                  |                     |          |  |  |  |
| 20                        | QPSK       | 50      | 0         | 20.01                 | 19.97                    | 19.91                  |                     |          |  |  |  |
| 20                        | QPSK       | 50      | 24        | 19.97                 | 19.88                    | 19.82                  | 21                  | 1        |  |  |  |
| 20                        | QPSK       | 50      | 50        | 19.92                 | 19.85                    | 19.78                  |                     |          |  |  |  |
| 20                        | QPSK       | 100     | 0         | 19.93                 | 19.92                    | 19.79                  |                     |          |  |  |  |
| 20                        | 16QAM      | 1       | 0         | 20.21                 | 20.28                    | 20.25                  |                     |          |  |  |  |
| 20                        | 16QAM      | 1       | 49        | 20.10                 | 20.07                    | 20.01                  | 21                  | 1        |  |  |  |
| 20                        | 16QAM      | 1       | 99        | 20.04                 | 19.95                    | 19.87                  |                     |          |  |  |  |
| 20                        | 16QAM      | 50      | 0         | 19.98                 | 19.99                    | 19.93                  |                     |          |  |  |  |
| 20                        | 16QAM      | 50      | 24        | 19.00                 | 18.90                    | 18.82                  |                     |          |  |  |  |
| 20                        | 16QAM      | 50      | 50        | 18.91                 | 18.86                    | 18.80                  | 20                  | 2        |  |  |  |
| 20                        | 16QAM      | 100     | 0         | 18.95                 | 18.89                    | 18.81                  |                     |          |  |  |  |
| 20                        | 64QAM      | 1       | 0         | 19.12                 | 19.10                    | 19.10                  |                     |          |  |  |  |
| 20                        | 64QAM      | 1       | 49        | 18.90                 | 18.95                    | 18.89                  |                     |          |  |  |  |
| 20                        | 64QAM      | 1       | 99        | 18.91                 | 18.86                    | 18.84                  | 20                  | 2        |  |  |  |
| 20                        | 64QAM      | 50      | 0         | 18.90                 | 18.01                    | 17.94                  |                     |          |  |  |  |
| 20                        | 64QAM      | 50      | 24        | 18.03                 | 17.94                    | 17.85                  |                     |          |  |  |  |
| 20                        | 64QAM      | 50      | 50        | 17.94                 | 17.89                    | 17.84                  |                     |          |  |  |  |
| 20                        | 64QAM      | 100     | 0         | 18.03                 | 17.91                    | 17.83                  | 19                  | 3        |  |  |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |  |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |  |  |
| 15                        | QPSK       | 1       | 0         | 20.92                 | 20.91                    | 20.89                  | 22                  | 0        |  |  |  |
| 15                        | QPSK       | 1       | 37        | 20.68                 | 20.67                    | 20.61                  |                     |          |  |  |  |
| 15                        | QPSK       | 1       | 74        | 20.73                 | 20.64                    | 20.54                  |                     |          |  |  |  |
| 15                        | QPSK       | 36      | 0         | 19.98                 | 19.96                    | 19.81                  |                     |          |  |  |  |
| 15                        | QPSK       | 36      | 20        | 19.96                 | 19.86                    | 19.75                  | 21                  | 1        |  |  |  |
| 15                        | QPSK       | 36      | 39        | 19.83                 | 19.85                    | 19.78                  |                     |          |  |  |  |
| 15                        | QPSK       | 75      | 0         | 19.89                 | 19.87                    | 19.74                  |                     |          |  |  |  |
| 15                        | 16QAM      | 1       | 0         | 20.18                 | 20.19                    | 20.25                  |                     |          |  |  |  |
| 15                        | 16QAM      | 1       | 37        | 20.00                 | 20.02                    | 19.95                  | 21                  | 1        |  |  |  |
| 15                        | 16QAM      | 1       | 74        | 19.96                 | 19.95                    | 19.77                  |                     |          |  |  |  |
| 15                        | 16QAM      | 36      | 0         | 18.93                 | 18.97                    | 18.87                  |                     |          |  |  |  |
| 15                        | 16QAM      | 36      | 20        | 18.98                 | 18.81                    | 18.82                  |                     |          |  |  |  |
| 15                        | 16QAM      | 36      | 39        | 18.88                 | 18.83                    | 18.77                  | 20                  | 2        |  |  |  |
| 15                        | 16QAM      | 75      | 0         | 18.94                 | 18.87                    | 18.75                  |                     |          |  |  |  |
| 15                        | 64QAM      | 1       | 0         | 19.02                 | 19.02                    | 19.06                  |                     |          |  |  |  |
| 15                        | 64QAM      | 1       | 37        | 18.92                 | 18.91                    | 18.80                  |                     |          |  |  |  |
| 15                        | 64QAM      | 1       | 74        | 18.90                 | 18.81                    | 18.76                  | 20                  | 2        |  |  |  |
| 15                        | 64QAM      | 36      | 0         | 17.97                 | 17.98                    | 17.84                  |                     |          |  |  |  |
| 15                        | 64QAM      | 36      | 20        | 17.97                 | 17.94                    | 17.78                  |                     |          |  |  |  |
| 15                        | 64QAM      | 36      | 39        | 17.88                 | 17.79                    | 17.78                  |                     |          |  |  |  |
| 15                        | 64QAM      | 75      | 0         | 18.03                 | 17.85                    | 17.79                  | 19                  | 3        |  |  |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |  |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |  |  |
| 10                        | QPSK       | 1       | 0         | 20.91                 | 20.81                    | 20.86                  | 22                  | 0        |  |  |  |
| 10                        | QPSK       | 1       | 25        | 20.61                 | 20.63                    | 20.66                  |                     |          |  |  |  |
| 10                        | QPSK       | 1       | 49        | 20.71                 | 20.59                    | 20.62                  |                     |          |  |  |  |
| 10                        | QPSK       | 25      | 0         | 19.96                 | 19.88                    | 19.82                  |                     |          |  |  |  |
| 10                        | QPSK       | 25      | 12        | 19.98                 | 19.84                    | 19.80                  | 21                  | 1        |  |  |  |
| 10                        | QPSK       | 25      | 25        | 19.91                 | 19.78                    | 19.71                  |                     |          |  |  |  |
| 10                        | QPSK       | 50      | 0         | 19.87                 | 19.83                    | 19.77                  |                     |          |  |  |  |
| 10                        | 16QAM      | 1       | 0         | 20.13                 | 20.27                    | 20.18                  |                     |          |  |  |  |
| 10                        | 16QAM      | 1       | 25        | 20.09                 | 20.04                    | 19.96                  | 21                  | 1        |  |  |  |
| 10                        | 16QAM      | 1       | 49        | 20.02                 | 19.88                    | 19.79                  |                     |          |  |  |  |
| 10                        | 16QAM      | 25      | 0         | 18.89                 | 18.91                    | 18.87                  |                     |          |  |  |  |
| 10                        | 16QAM      | 25      | 12        | 18.99                 | 18.90                    | 18.72                  |                     |          |  |  |  |
| 10                        | 16QAM      | 25      | 25        | 18.81                 | 18.82                    | 18.80                  | 20                  | 2        |  |  |  |
| 10                        | 16QAM      | 50      | 0         | 18.91                 | 18.84                    | 18.73                  |                     |          |  |  |  |
| 10                        | 64QAM      | 1       | 0         | 19.12                 | 19.10                    | 19.02                  |                     |          |  |  |  |
| 10                        | 64QAM      | 1       | 25        | 18.85                 | 18.93                    | 18.79                  |                     |          |  |  |  |
| 10                        | 64QAM      | 1       | 49        | 18.88                 | 18.79                    | 18.76                  | 20                  | 2        |  |  |  |
| 10                        | 64QAM      | 25      | 0         | 17.96                 | 17.98                    | 17.92                  |                     |          |  |  |  |
| 10                        | 64QAM      | 25      | 12        | 18.00                 | 17.91                    | 17.76                  |                     |          |  |  |  |
| 10                        | 64QAM      | 25      | 25        | 17.87                 | 17.86                    | 17.83                  |                     |          |  |  |  |
| 10                        | 64QAM      | 50      | 0         | 17.93                 | 17.85                    | 17.83                  | 19                  | 3        |  |  |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |  |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |  |  |
| 5                         | QPSK       | 1       | 0         | 20.86                 | 20.82                    | 20.89                  | 22                  | 0        |  |  |  |
| 5                         | QPSK       | 1       | 12        | 20.68                 | 20.69                    | 20.66                  |                     |          |  |  |  |
| 5                         | QPSK       | 1       | 24        | 20.73                 | 20.66                    | 20.54                  |                     |          |  |  |  |
| 5                         | QPSK       | 12      | 0         | 19.93                 | 19.94                    | 19.89                  |                     |          |  |  |  |
| 5                         | QPSK       | 12      | 7         | 19.91                 | 19.82                    | 19.77                  | 21                  | 1        |  |  |  |
| 5                         | QPSK       | 12      | 13        | 19.87                 | 19.79                    | 19.76                  |                     |          |  |  |  |
| 5                         | QPSK       | 25      | 0         | 19.83                 | 19.91                    | 19.77                  |                     |          |  |  |  |
| 5                         | 16QAM      | 1       | 0         | 20.17                 | 20.27                    | 20.21                  |                     |          |  |  |  |
| 5                         | 16QAM      | 1       | 12        | 20.05                 | 20.02                    | 20.01                  | 21                  | 1        |  |  |  |
| 5                         | 16QAM      | 1       | 24        | 20.04                 | 19.87                    | 19.82                  |                     |          |  |  |  |
| 5                         | 16QAM      | 12      | 0         | 18.91                 | 18.92                    | 18.83                  |                     |          |  |  |  |
| 5                         | 16QAM      | 12      | 7         | 18.98                 | 18.89                    | 18.80                  |                     |          |  |  |  |
| 5                         | 16QAM      | 12      | 13        | 18.90                 | 18.79                    | 18.77                  | 20                  | 2        |  |  |  |
| 5                         | 16QAM      | 25      | 0         | 18.92                 | 18.82                    | 18.79                  |                     |          |  |  |  |
| 5                         | 64QAM      | 1       | 0         | 19.08                 | 19.02                    | 19.08                  |                     |          |  |  |  |
| 5                         | 64QAM      | 1       | 12        | 18.87                 | 18.94                    | 18.89                  |                     |          |  |  |  |
| 5                         | 64QAM      | 1       | 24        | 18.84                 | 18.80                    | 18.82                  | 20                  | 2        |  |  |  |
| 5                         | 64QAM      | 12      | 0         | 17.98                 | 18.00                    | 17.85                  |                     |          |  |  |  |
| 5                         | 64QAM      | 12      | 7         | 18.03                 | 17.94                    | 17.84                  |                     |          |  |  |  |
| 5                         | 64QAM      | 12      | 13        | 17.90                 | 17.80                    | 17.84                  |                     |          |  |  |  |
| 5                         | 64QAM      | 25      | 0         | 18.01                 | 17.85                    | 17.79                  | 19                  | 3        |  |  |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |  |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |  |  |
| 3                         | QPSK       | 1       | 0         | 20.88                 | 20.84                    | 20.80                  | 22                  | 0        |  |  |  |
| 3                         | QPSK       | 1       | 8         | 20.71                 | 20.71                    | 20.67                  |                     |          |  |  |  |
| 3                         | QPSK       | 1       | 14        | 20.65                 | 20.56                    | 20.54                  |                     |          |  |  |  |
| 3                         | QPSK       | 8       | 0         | 19.91                 | 19.92                    | 19.87                  |                     |          |  |  |  |
| 3                         | QPSK       | 8       | 4         | 19.93                 | 19.82                    | 19.72                  | 21                  | 1        |  |  |  |
| 3                         | QPSK       | 8       | 7         | 19.90                 | 19.83                    | 19.70                  |                     |          |  |  |  |
| 3                         | QPSK       | 15      | 0         | 19.93                 | 19.88                    | 19.79                  |                     |          |  |  |  |
| 3                         | 16QAM      | 1       | 0         | 20.13                 | 20.26                    | 20.20                  |                     |          |  |  |  |
| 3                         | 16QAM      | 1       | 8         | 20.01                 | 19.99                    | 19.94                  | 21                  | 1        |  |  |  |
| 3                         | 16QAM      | 1       | 14        | 19.95                 | 19.91                    | 19.82                  |                     |          |  |  |  |
| 3                         | 16QAM      | 8       | 0         | 18.98                 | 18.99                    | 18.92                  |                     |          |  |  |  |
| 3                         | 16QAM      | 8       | 4         | 18.96                 | 18.82                    | 18.80                  |                     |          |  |  |  |
| 3                         | 16QAM      | 8       | 7         | 18.88                 | 18.77                    | 18.77                  | 20                  | 2        |  |  |  |
| 3                         | 16QAM      | 15      | 0         | 18.90                 | 18.86                    | 18.77                  |                     |          |  |  |  |
| 3                         | 64QAM      | 1       | 0         | 19.12                 | 19.02                    | 19.05                  |                     |          |  |  |  |
| 3                         | 64QAM      | 1       | 8         | 18.87                 | 18.87                    | 18.83                  |                     |          |  |  |  |
| 3                         | 64QAM      | 1       | 14        | 18.90                 | 18.84                    | 18.84                  | 20                  | 2        |  |  |  |
| 3                         | 64QAM      | 8       | 0         | 17.92                 | 18.01                    | 17.89                  |                     |          |  |  |  |
| 3                         | 64QAM      | 8       | 4         | 18.02                 | 17.85                    | 17.80                  |                     |          |  |  |  |
| 3                         | 64QAM      | 8       | 7         | 17.88                 | 17.79                    | 17.75                  |                     |          |  |  |  |
| 3                         | 64QAM      | 15      | 0         | 18.01                 | 17.84                    | 17.76                  | 19                  | 3        |  |  |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |  |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |  |  |
| 1.4                       | QPSK       | 1       | 0         | 20.91                 | 20.82                    | 20.88                  | 22                  | 0        |  |  |  |
| 1.4                       | QPSK       | 1       | 3         | 20.70                 | 20.67                    | 20.59                  |                     |          |  |  |  |
| 1.4                       | QPSK       | 1       | 5         | 20.64                 | 20.60                    | 20.58                  |                     |          |  |  |  |
| 1.4                       | QPSK       | 3       | 0         | 20.61                 | 20.66                    | 20.64                  |                     |          |  |  |  |
| 1.4                       | QPSK       | 3       | 3         | 20.66                 | 20.62                    | 20.56                  | 21                  | 1        |  |  |  |
| 1.4                       | QPSK       | 6       | 0         | 19.87                 | 19.85                    | 19.78                  |                     |          |  |  |  |
| 1.4                       | 16QAM      | 1       | 0         | 20.21                 | 20.26                    | 20.16                  |                     |          |  |  |  |
| 1.4                       | 16QAM      | 1       | 3         | 20.06                 | 20.03                    | 19.97                  |                     |          |  |  |  |
| 1.4                       | 16QAM      | 1       | 5         | 19.95                 | 19.92                    | 19.86                  | 21                  | 1        |  |  |  |
| 1.4                       | 16QAM      | 3       | 0         | 20.14                 | 20.28                    | 20.23                  |                     |          |  |  |  |
| 1.4                       | 16QAM      | 3       | 1         | 20.09                 | 20.07                    | 19.94                  |                     |          |  |  |  |
| 1.4                       | 16QAM      | 3       | 3         | 19.96                 | 19.87                    | 19.78                  |                     |          |  |  |  |
| 1.4                       | 16QAM      | 6       | 0         | 18.89                 | 18.82                    | 18.80                  | 20                  | 2        |  |  |  |
| 1.4                       | 16QAM      | 6       | 1         | 18.99                 | 18.87                    | 18.80                  |                     |          |  |  |  |
| 1.4                       | 64QAM      | 1       | 0         | 19.99                 | 19.90                    | 19.83                  |                     |          |  |  |  |
| 1.4                       | 64QAM      | 1       | 3         | 18.99                 | 18.95                    | 18.80                  |                     |          |  |  |  |
| 1.4                       | 64QAM      | 3       | 0         | 18.94                 | 18.94                    | 18.89                  | 20                  | 2        |  |  |  |
| 1.4                       | 64QAM      | 3       | 1         | 18.90                 | 18.83                    | 18.82                  |                     |          |  |  |  |
| 1.4                       | 64QAM      | 3       | 3         | 18.82                 | 18.82                    | 18.75                  |                     |          |  |  |  |
| 1.4                       | 64QAM      | 6       | 0         | 17.94                 | 17.84                    | 17.82                  |                     |          |  |  |  |



| Band 7_Ant 1 DSI 284 |            |         |           |                       |                          |                        |                     |          |  |
|----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]             | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Turn-up limit (dBm) | MPR (dB) |  |
| Channel              |            |         |           | 2010                  | 2100                     | 2150                   |                     |          |  |
| Frequency (MHz)      |            |         |           | 2010                  | 2035                     | 2060                   |                     |          |  |
| 20                   | QPSK       | 1       | 0         | 22.86                 | 23.22                    | 23.03                  | 24                  | 0        |  |
| 20                   | QPSK       | 1       | 49        | 22.84                 | 23.20                    | 23.01                  |                     |          |  |
| 20                   | QPSK       | 1       | 99        | 22.80                 | 23.10                    | 22.98                  | 23                  | 1        |  |
| 20                   | QPSK       | 50      | 0         | 22.05                 | 22.28                    | 22.19                  |                     |          |  |
| 20                   | QPSK       | 50      | 24        | 22.01                 | 22.27                    | 22.16                  | 23                  | 1        |  |
| 20                   | QPSK       | 50      | 50        | 21.95                 | 22.20                    | 22.12                  |                     |          |  |
| 20                   | QPSK       | 100     | 0         | 21.98                 | 22.25                    | 22.18                  | 23                  | 1        |  |
| 20                   | 16QAM      | 1       | 0         | 22.11                 | 22.39                    | 22.38                  |                     |          |  |
| 20                   | 16QAM      | 1       | 49        | 22.18                 | 22.52                    | 22.42                  | 22                  | 2        |  |
| 20                   | 16QAM      | 1       | 99        | 22.32                 | 22.55                    | 22.36                  |                     |          |  |
| 20                   | 16QAM      | 50      | 0         | 20.87                 | 21.28                    | 21.17                  | 22                  | 2        |  |
| 20                   | 16QAM      | 50      | 24        | 21.03                 | 21.28                    | 21.11                  |                     |          |  |
| 20                   | 16QAM      | 50      | 50        | 21.07                 | 21.28                    | 21.11                  | 22                  | 2        |  |
| 20                   | 16QAM      | 100     | 0         | 20.99                 | 21.23                    | 21.18                  |                     |          |  |
| 20                   | 64QAM      | 1       | 0         | 20.98                 | 21.18                    | 21.30                  | 22                  | 2        |  |
| 20                   | 64QAM      | 1       | 49        | 21.08                 | 21.40                    | 21.24                  |                     |          |  |
| 20                   | 64QAM      | 1       | 99        | 21.26                 | 21.35                    | 20.93                  | 21                  | 3        |  |
| 20                   | 64QAM      | 50      | 0         | 19.91                 | 20.24                    | 20.18                  |                     |          |  |
| 20                   | 64QAM      | 50      | 24        | 20.05                 | 20.29                    | 20.24                  | 21                  | 3        |  |
| 20                   | 64QAM      | 50      | 50        | 20.06                 | 20.32                    | 20.13                  |                     |          |  |
| 20                   | 64QAM      | 100     | 0         | 20.01                 | 20.27                    | 20.20                  | 20                  |          |  |
| Channel              |            |         |           | 20025                 | 21100                    | 21375                  |                     |          |  |
| Frequency (MHz)      |            |         |           | 2007.5                | 2035                     | 2062.5                 |                     |          |  |
| 15                   | QPSK       | 1       | 0         | 22.76                 | 23.19                    | 23.03                  | 24                  | 0        |  |
| 15                   | QPSK       | 1       | 37        | 22.76                 | 23.20                    | 22.93                  |                     |          |  |
| 15                   | QPSK       | 1       | 74        | 22.78                 | 23.08                    | 22.94                  | 23                  | 1        |  |
| 15                   | QPSK       | 36      | 0         | 22.04                 | 22.26                    | 22.18                  |                     |          |  |
| 15                   | QPSK       | 36      | 20        | 21.92                 | 22.19                    | 22.07                  | 23                  | 1        |  |
| 15                   | QPSK       | 36      | 39        | 21.88                 | 22.20                    | 22.06                  |                     |          |  |
| 15                   | QPSK       | 75      | 0         | 21.90                 | 22.20                    | 22.16                  | 23                  | 1        |  |
| 15                   | 16QAM      | 1       | 0         | 22.08                 | 22.32                    | 22.33                  |                     |          |  |
| 15                   | 16QAM      | 1       | 37        | 22.18                 | 22.49                    | 22.33                  | 22                  | 2        |  |
| 15                   | 16QAM      | 1       | 74        | 22.31                 | 22.48                    | 22.34                  |                     |          |  |
| 15                   | 16QAM      | 36      | 0         | 20.87                 | 21.13                    | 21.10                  | 22                  | 2        |  |
| 15                   | 16QAM      | 36      | 20        | 20.97                 | 21.24                    | 21.19                  |                     |          |  |
| 15                   | 16QAM      | 36      | 39        | 21.04                 | 21.18                    | 21.02                  | 22                  | 2        |  |
| 15                   | 16QAM      | 75      | 0         | 20.91                 | 21.13                    | 21.08                  |                     |          |  |
| 15                   | 64QAM      | 1       | 0         | 20.96                 | 21.08                    | 21.27                  | 22                  | 2        |  |
| 15                   | 64QAM      | 1       | 37        | 21.02                 | 21.30                    | 21.18                  |                     |          |  |
| 15                   | 64QAM      | 1       | 74        | 21.18                 | 21.28                    | 20.90                  | 21                  | 3        |  |
| 15                   | 64QAM      | 36      | 0         | 19.81                 | 20.18                    | 20.13                  |                     |          |  |
| 15                   | 64QAM      | 36      | 20        | 19.96                 | 20.21                    | 20.15                  | 21                  | 3        |  |
| 15                   | 64QAM      | 36      | 39        | 19.97                 | 20.26                    | 20.03                  |                     |          |  |
| 15                   | 64QAM      | 75      | 0         | 19.97                 | 20.18                    | 20.18                  | 20                  |          |  |
| Channel              |            |         |           | 20000                 | 21100                    | 21400                  |                     |          |  |
| Frequency (MHz)      |            |         |           | 2005                  | 2035                     | 2065                   |                     |          |  |
| 10                   | QPSK       | 1       | 0         | 22.84                 | 23.19                    | 23.00                  | 24                  | 0        |  |
| 10                   | QPSK       | 1       | 25        | 22.74                 | 23.10                    | 22.98                  |                     |          |  |
| 10                   | QPSK       | 1       | 49        | 22.72                 | 23.03                    | 22.90                  | 23                  | 1        |  |
| 10                   | QPSK       | 25      | 0         | 22.02                 | 22.19                    | 22.16                  |                     |          |  |
| 10                   | QPSK       | 25      | 12        | 21.96                 | 22.22                    | 22.07                  | 23                  | 1        |  |
| 10                   | QPSK       | 25      | 25        | 21.90                 | 22.15                    | 22.06                  |                     |          |  |
| 10                   | QPSK       | 50      | 0         | 21.93                 | 22.22                    | 22.17                  | 23                  | 1        |  |
| 10                   | 16QAM      | 1       | 0         | 22.01                 | 22.37                    | 22.35                  |                     |          |  |
| 10                   | 16QAM      | 1       | 25        | 22.16                 | 22.50                    | 22.38                  | 22                  | 2        |  |
| 10                   | 16QAM      | 1       | 49        | 22.25                 | 22.48                    | 22.33                  |                     |          |  |
| 10                   | 16QAM      | 25      | 0         | 20.77                 | 21.14                    | 21.12                  | 22                  | 2        |  |
| 10                   | 16QAM      | 25      | 12        | 20.98                 | 21.21                    | 21.11                  |                     |          |  |
| 10                   | 16QAM      | 25      | 25        | 21.00                 | 21.27                    | 21.07                  | 22                  | 2        |  |
| 10                   | 16QAM      | 50      | 0         | 20.99                 | 21.13                    | 21.12                  |                     |          |  |
| 10                   | 64QAM      | 1       | 0         | 20.99                 | 21.17                    | 21.30                  | 22                  | 2        |  |
| 10                   | 64QAM      | 1       | 25        | 20.98                 | 21.31                    | 21.23                  |                     |          |  |
| 10                   | 64QAM      | 1       | 49        | 21.25                 | 21.32                    | 20.89                  | 21                  | 3        |  |
| 10                   | 64QAM      | 25      | 0         | 19.88                 | 20.15                    | 20.10                  |                     |          |  |
| 10                   | 64QAM      | 25      | 12        | 20.00                 | 20.21                    | 20.20                  | 21                  | 3        |  |
| 10                   | 64QAM      | 25      | 25        | 19.97                 | 20.24                    | 20.13                  |                     |          |  |
| 10                   | 64QAM      | 50      | 0         | 19.94                 | 20.19                    | 20.17                  | 20                  |          |  |
| Channel              |            |         |           | 20075                 | 21100                    | 21425                  |                     |          |  |
| Frequency (MHz)      |            |         |           | 2002.5                | 2035                     | 2067.5                 |                     |          |  |
| 5                    | QPSK       | 1       | 0         | 22.86                 | 23.20                    | 23.03                  | 24                  | 0        |  |
| 5                    | QPSK       | 1       | 12        | 22.83                 | 23.10                    | 22.96                  |                     |          |  |
| 5                    | QPSK       | 1       | 24        | 22.72                 | 23.10                    | 22.93                  | 23                  | 1        |  |
| 5                    | QPSK       | 12      | 0         | 22.02                 | 22.23                    | 22.12                  |                     |          |  |
| 5                    | QPSK       | 12      | 7         | 21.98                 | 22.27                    | 22.15                  | 23                  | 1        |  |
| 5                    | QPSK       | 12      | 13        | 21.95                 | 22.10                    | 22.11                  |                     |          |  |
| 5                    | QPSK       | 25      | 0         | 21.95                 | 22.19                    | 22.11                  | 23                  | 1        |  |
| 5                    | 16QAM      | 1       | 0         | 22.01                 | 22.39                    | 22.28                  |                     |          |  |
| 5                    | 16QAM      | 1       | 12        | 22.10                 | 22.45                    | 22.38                  | 23                  | 1        |  |
| 5                    | 16QAM      | 1       | 24        | 22.31                 | 22.51                    | 22.36                  |                     |          |  |
| 5                    | 16QAM      | 12      | 0         | 20.86                 | 21.14                    | 21.11                  | 22                  | 2        |  |
| 5                    | 16QAM      | 12      | 7         | 21.02                 | 21.20                    | 21.09                  |                     |          |  |
| 5                    | 16QAM      | 12      | 13        | 20.98                 | 21.23                    | 21.09                  | 22                  | 2        |  |
| 5                    | 16QAM      | 25      | 0         | 20.90                 | 21.17                    | 21.10                  |                     |          |  |
| 5                    | 64QAM      | 1       | 0         | 20.94                 | 21.08                    | 21.27                  | 22                  | 2        |  |
| 5                    | 64QAM      | 1       | 12        | 21.04                 | 21.38                    | 21.18                  |                     |          |  |
| 5                    | 64QAM      | 1       | 24        | 21.18                 | 21.35                    | 20.97                  | 22                  | 2        |  |
| 5                    | 64QAM      | 12      | 0         | 19.86                 | 20.15                    | 20.18                  |                     |          |  |
| 5                    | 64QAM      | 12      | 7         | 20.05                 | 20.26                    | 20.17                  | 21                  | 3        |  |
| 5                    | 64QAM      | 12      | 13        | 19.99                 | 20.31                    | 20.08                  |                     |          |  |
| 5                    | 64QAM      | 25      | 0         | 19.99                 | 20.26                    | 20.12                  | 20                  |          |  |
| Channel              |            |         |           | 20025                 | 21100                    | 21375                  |                     |          |  |
| Frequency (MHz)      |            |         |           | 2007.5                | 2035                     | 2062.5                 |                     |          |  |

| Band 7_Ant2 DSI 28486 |            |         |           |                       |                          |                        |                     |          |  |
|-----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]              | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Turn-up limit (dBm) | MPR (dB) |  |
| Channel               |            |         |           | 20050                 | 21100                    | 21350                  |                     |          |  |
| Frequency (MHz)       |            |         |           | 2010                  | 2035                     | 2060                   |                     |          |  |
| 20                    | QPSK       | 1       | 0         | 21.00                 | 21.17                    | 20.94                  | 22                  | 0        |  |
| 20                    | QPSK       | 1       | 49        | 20.84                 | 21.13                    | 20.88                  |                     |          |  |
| 20                    | QPSK       | 1       | 99        | 20.74                 | 21.13                    | 20.93                  | 21                  | 1        |  |
| 20                    | QPSK       | 50      | 0         | 20.07                 | 20.21                    | 20.10                  |                     |          |  |
| 20                    | QPSK       | 50      | 24        | 20.02                 | 20.20                    | 20.07                  | 21                  | 1        |  |
| 20                    | QPSK       | 50      | 50        | 20.04                 | 20.12                    | 19.98                  |                     |          |  |
| 20                    | QPSK       | 100     | 0         | 20.05                 | 20.11                    | 20.06                  | 21                  | 1        |  |
| 20                    | 16QAM      | 1       | 0         | 20.09                 | 20.31                    | 20.23                  |                     |          |  |
| 20                    | 16QAM      | 1       | 49        | 20.24                 | 20.51                    | 20.24                  | 20                  | 2        |  |
| 20                    | 16QAM      | 1       | 99        | 20.36                 | 20.46                    | 20.29                  |                     |          |  |
| 20                    | 16QAM      | 50      | 0         | 18.88                 | 19.16                    | 19.05                  | 20                  | 2        |  |
| 20                    | 16QAM      | 50      | 24        | 19.03                 | 19.22                    | 19.08                  |                     |          |  |
| 20                    | 16QAM      | 50      | 50        | 19.04                 | 19.23                    | 19.02                  | 20                  | 2        |  |
| 20                    | 16QAM      | 100     | 0         | 18.99                 | 19.16                    | 19.05                  |                     |          |  |
| 20                    | 64QAM      | 1       | 0         | 18.93                 | 19.20                    | 19.16                  | 20                  | 2        |  |
| 20                    | 64QAM      | 1       | 49        | 19.05                 | 19.36                    | 19.16                  |                     |          |  |
| 20                    | 64QAM      | 1       | 99        | 19.22                 | 19.36                    | 18.96                  | 19                  | 3        |  |
| 20                    | 64QAM      | 50      | 0         | 17.97                 | 18.17                    | 18.08                  |                     |          |  |
| 20                    | 64QAM      | 50      | 24        | 18.05                 | 18.24                    | 18.11                  | 20                  |          |  |
| 20                    | 64QAM      | 50      | 50        | 18.06                 | 18.24                    | 18.01                  |                     |          |  |
| 20                    | 64QAM      | 100     | 0         | 18.00                 | 18.20                    | 18.11                  | 20                  |          |  |
| Channel               |            |         |           | 20025                 | 21100                    | 21375                  |                     |          |  |
| Frequency (MHz)       |            |         |           | 2007.5                | 2035                     | 2062.5                 |                     |          |  |
| 15                    | QPSK       | 1       | 0         | 20.90                 | 21.09                    | 20.88                  | 22                  | 0        |  |
| 15                    | QPSK       | 1       | 37        | 20.74                 | 21.04                    | 20.78                  |                     |          |  |
| 15                    | QPSK       | 1       | 74        | 20.73                 | 21.08                    | 20.91                  | 21                  | 1        |  |
| 15                    | QPSK       | 36      | 0         | 20.06                 | 20.18                    | 20.07                  |                     |          |  |
| 15                    | QPSK       | 36      | 20        | 19.96                 | 20.13                    | 20.00                  | 21                  | 1        |  |
| 15                    | QPSK       | 36      | 39        | 20.00                 | 20.11                    | 19.90                  |                     |          |  |
| 15                    | QPSK       | 75      | 0         | 20.03                 | 20.01                    | 20.06                  | 21                  | 1        |  |
| 15                    | 16QAM      | 1       | 0         | 20.09                 | 20.31                    | 20.13                  |                     |          |  |
| 15                    | 16QAM      | 1       | 37        | 20.18                 | 20.47                    | 20.18                  | 21                  | 1        |  |
| 15                    | 16QAM      | 1       | 74        | 20.31                 | 20.39                    | 20.23                  |                     |          |  |
| 15                    | 16QAM      | 36      | 0         | 18.79                 | 19.12                    | 18.99                  | 20                  | 2        |  |
| 15                    | 16QAM      | 36      | 20        | 18.96                 | 19.17                    | 19.05                  |                     |          |  |
| 15                    | 16QAM      | 36      | 39        | 19.01                 | 19.23                    | 18.93                  | 20                  | 2        |  |
| 15                    | 16QAM      | 75      | 0         | 18.99                 | 19.12                    | 18.95                  |                     |          |  |
| 15                    | 64QAM      | 1       | 0         | 18.85                 | 19.18                    | 19.13                  | 20                  | 2        |  |
| 15                    | 64QAM      | 1       | 37        | 18.97                 | 19.32                    | 19.12                  |                     |          |  |
| 15                    | 64QAM      | 1       | 74        | 19.21                 | 19.36                    | 18.89                  | 19                  | 3        |  |
| 15                    | 64QAM      | 36      | 0         | 17.88                 | 18.10                    | 18.05                  |                     |          |  |
| 15                    | 64QAM      | 36      | 20        | 17.99                 | 18.24                    | 18.05                  | 20                  |          |  |
| 15                    | 64QAM      | 36      | 39        | 18.03                 | 18.16                    | 17.94                  |                     |          |  |
| 15                    | 64QAM      | 75      | 0         | 17.92                 | 18.17                    | 18.03                  | 20                  |          |  |
| Channel               |            |         |           | 20000                 | 21100                    | 21400                  |                     |          |  |
| Frequency (MHz)       |            |         |           | 20050                 | 2035                     | 2065                   |                     |          |  |
| 10                    | QPSK       | 1       | 0         | 20.98                 | 21.10                    | 20.94                  | 22                  | 0        |  |
| 10                    | QPSK       | 1       | 25        | 20.79                 | 21.13                    | 20.84                  |                     |          |  |
| 10                    | QPSK       | 1       | 49        | 20.66                 | 21.10                    | 20.86                  | 21                  | 1        |  |
| 10                    | QPSK       | 25      | 0         | 20.00                 | 20.16                    | 20.08                  |                     |          |  |
| 10                    | QPSK       | 25      | 12        | 19.99                 | 20.11                    | 20.04                  | 21                  | 1        |  |
| 10                    | QPSK       | 25      | 25        | 19.94                 | 20.04                    | 19.93                  |                     |          |  |
| 10                    | QPSK       | 50      | 0         | 20.03                 | 20.08                    | 20.01                  | 21                  | 1        |  |
| 10                    | 16QAM      | 1       | 0         | 20.02                 | 20.22                    | 20.15                  |                     |          |  |
| 10                    | 16QAM      | 1       | 25        | 20.22                 | 20.41                    | 20.14                  | 20                  | 2        |  |
| 10                    | 16QAM      | 1       | 49        | 20.34                 | 20.42                    | 20.25                  |                     |          |  |
| 10                    | 16QAM      | 25      | 0         | 18.83                 | 19.13                    | 18.98                  | 20                  | 2        |  |
| 10                    | 16QAM      | 25      | 12        | 19.01                 | 19.12                    | 19.02                  |                     |          |  |
| 10                    | 16QAM      | 25      | 25        | 19.02                 | 19.21                    | 19.01                  | 20                  | 2        |  |
| 10                    | 16QAM      | 50      | 0         | 18.91                 | 19.20                    | 19.06                  |                     |          |  |
| 10                    | 64QAM      | 1       | 0         | 18.86                 | 19.20                    | 19.06                  | 20                  | 2        |  |
| 10                    | 64QAM      | 1       | 25        | 19.00                 | 19.27                    | 19.14                  |                     |          |  |
| 10                    | 64QAM      | 1       | 49        | 19.20                 | 19.26                    | 18.87                  | 19                  | 3        |  |
| 10                    | 64QAM      | 25      | 0         | 17.89                 | 18.11                    | 18.01                  |                     |          |  |
| 10                    | 64QAM      | 25      | 12        | 17.96                 | 18.15                    | 18.01                  | 20                  |          |  |
| 10                    | 64QAM      | 25      | 25        | 18.03                 | 18.21                    | 17.94                  |                     |          |  |
| 10                    | 64QAM      | 50      | 0         | 17.97                 | 18.14                    | 18.08                  | 22                  | 0        |  |
| Channel               |            |         |           | 20075                 | 21100                    | 21425                  |                     |          |  |
| Frequency (MHz)       |            |         |           | 2052.5                | 2035                     | 2067.5                 |                     |          |  |
| 5                     | QPSK       | 1       | 0         | 20.94                 | 21.09                    | 20.84                  | 21                  | 1        |  |
| 5                     | QPSK       | 1       | 12        | 20.83                 | 21.06                    | 20.88                  |                     |          |  |
| 5                     | QPSK       | 1       | 24        | 20.66                 | 21.08                    | 20.90                  | 21                  | 1        |  |
| 5                     | QPSK       | 12      | 0         | 20.05                 | 20.15                    | 20.02                  |                     |          |  |
| 5                     | QPSK       | 12      | 7         | 19.93                 | 20.14                    | 20.05                  | 21                  | 1        |  |
| 5                     | QPSK       | 12      | 13        | 20.02                 | 20.12                    | 19.93                  |                     |          |  |
| 5                     | QPSK       | 25      | 0         | 19.97                 | 20.01                    | 20.05                  | 21                  | 1        |  |
| 5                     | 16QAM      | 1       | 0         | 20.00                 | 20.30                    | 20.21                  |                     |          |  |
| 5                     | 16QAM      | 1       | 12        | 20.19                 | 20.50                    | 20.20                  | 20                  | 2        |  |
| 5                     | 16QAM      | 1       | 24        | 20.28                 | 20.36                    | 20.21                  |                     |          |  |
| 5                     | 16QAM      | 12      | 0         | 18.86                 | 19.09                    | 18.99                  | 20                  | 2        |  |
| 5                     | 16QAM      | 12      | 7         | 19.03                 | 19.21                    | 18.92                  |                     |          |  |
| 5                     | 16QAM      | 12      | 13        | 18.94                 | 19.18                    | 18.95                  | 20                  | 2        |  |
| 5                     | 16QAM      | 25      | 0         | 18.89                 | 19.13                    | 19.05                  |                     |          |  |
| 5                     | 64QAM      | 1       | 0         | 18.89                 | 19.19                    | 19.06                  | 19                  | 3        |  |
| 5                     | 64QAM      | 1       | 12        | 19.03                 | 19.32                    | 19.12                  |                     |          |  |
| 5                     | 64QAM      | 1       | 24        | 19.15                 | 19.34                    | 18.99                  | 20                  |          |  |
| 5                     | 64QAM      | 12      | 0         | 17.90                 | 18.10                    | 18.02                  |                     |          |  |
| 5                     | 64QAM      | 12      | 7         | 18.03                 | 18.21                    | 18.03                  | 19                  | 3        |  |
| 5                     | 64QAM      | 12      | 13        | 18.04                 | 18.15                    | 17.91                  |                     |          |  |
| 5                     | 64QAM      | 25      | 0         | 17.90                 | 18.16                    | 18.04                  | 20                  |          |  |

| Band 12_Ant2 DSI 2&4&6&3&5 |            |         |           |                       |                          |                        |                     |          |  |
|----------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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                    |            |         |           | 704                   | 707.5                    | 711                    | 23                  | 0        |  |
| Frequency (MHz)            |            |         |           | 704                   | 707.5                    | 711                    |                     |          |  |
| 10                         | QPSK       | 1       | 0         | 22.13                 | 22.08                    | 21.90                  | 23                  | 0        |  |
| 10                         | QPSK       | 1       | 25        | 21.84                 | 21.92                    | 21.91                  |                     |          |  |
| 10                         | QPSK       | 1       | 49        | 22.00                 | 22.02                    | 21.92                  |                     |          |  |
| 10                         | QPSK       | 25      | 0         | 21.11                 | 21.16                    | 21.10                  |                     |          |  |
| 10                         | QPSK       | 25      | 12        | 21.09                 | 21.08                    | 21.04                  | 22                  | 1        |  |
| 10                         | QPSK       | 25      | 25        | 21.01                 | 21.02                    | 21.03                  |                     |          |  |
| 10                         | QPSK       | 50      | 0         | 21.10                 | 21.13                    | 21.07                  |                     |          |  |
| 10                         | 16QAM      | 1       | 0         | 21.16                 | 21.16                    | 21.28                  |                     |          |  |
| 10                         | 16QAM      | 1       | 25        | 21.20                 | 21.29                    | 21.29                  | 22                  | 1        |  |
| 10                         | 16QAM      | 1       | 49        | 21.34                 | 21.34                    | 21.34                  |                     |          |  |
| 10                         | 16QAM      | 25      | 0         | 20.00                 | 20.09                    | 20.07                  |                     |          |  |
| 10                         | 16QAM      | 25      | 12        | 20.10                 | 20.08                    | 20.06                  |                     |          |  |
| 10                         | 16QAM      | 25      | 25        | 20.08                 | 20.08                    | 20.07                  | 21                  | 2        |  |
| 10                         | 16QAM      | 50      | 0         | 20.08                 | 20.06                    | 20.07                  |                     |          |  |
| 10                         | 64QAM      | 1       | 0         | 20.08                 | 20.13                    | 20.14                  |                     |          |  |
| 10                         | 64QAM      | 1       | 25        | 20.21                 | 20.24                    | 20.25                  |                     |          |  |
| 10                         | 64QAM      | 1       | 49        | 20.29                 | 20.25                    | 20.18                  | 21                  | 2        |  |
| 10                         | 64QAM      | 25      | 0         | 19.05                 | 19.10                    | 19.10                  |                     |          |  |
| 10                         | 64QAM      | 25      | 12        | 19.13                 | 19.15                    | 19.14                  |                     |          |  |
| 10                         | 64QAM      | 25      | 25        | 19.09                 | 19.17                    | 19.14                  |                     |          |  |
| 10                         | 64QAM      | 50      | 0         | 19.13                 | 19.12                    | 19.10                  | 20                  | 3        |  |
| Channel                    |            |         |           | 23035                 | 23095                    | 23165                  |                     |          |  |
| Frequency (MHz)            |            |         |           | 701.5                 | 707.5                    | 713.5                  | Tune-up limit (dBm) | MPR (dB) |  |
| 5                          | QPSK       | 1       | 0         | 22.03                 | 22.08                    | 21.83                  | 23                  | 0        |  |
| 5                          | QPSK       | 1       | 12        | 21.81                 | 21.91                    | 21.91                  |                     |          |  |
| 5                          | QPSK       | 1       | 24        | 21.92                 | 21.98                    | 21.83                  |                     |          |  |
| 5                          | QPSK       | 12      | 0         | 21.06                 | 21.06                    | 21.05                  |                     |          |  |
| 5                          | QPSK       | 12      | 7         | 21.06                 | 20.98                    | 20.97                  | 22                  | 1        |  |
| 5                          | QPSK       | 12      | 13        | 20.90                 | 20.98                    | 21.03                  |                     |          |  |
| 5                          | QPSK       | 25      | 0         | 21.09                 | 21.05                    | 21.04                  |                     |          |  |
| 5                          | 16QAM      | 1       | 0         | 21.16                 | 21.14                    | 21.24                  |                     |          |  |
| 5                          | 16QAM      | 1       | 12        | 21.18                 | 21.20                    | 21.26                  | 22                  | 1        |  |
| 5                          | 16QAM      | 1       | 24        | 21.29                 | 21.27                    | 21.34                  |                     |          |  |
| 5                          | 16QAM      | 12      | 0         | 19.91                 | 20.00                    | 19.98                  |                     |          |  |
| 5                          | 16QAM      | 12      | 7         | 20.01                 | 20.05                    | 20.04                  |                     |          |  |
| 5                          | 16QAM      | 12      | 13        | 20.00                 | 20.05                    | 20.02                  | 21                  | 2        |  |
| 5                          | 16QAM      | 25      | 0         | 20.08                 | 20.05                    | 20.03                  |                     |          |  |
| 5                          | 64QAM      | 1       | 0         | 19.99                 | 20.11                    | 20.05                  |                     |          |  |
| 5                          | 64QAM      | 1       | 12        | 20.10                 | 20.17                    | 20.20                  |                     |          |  |
| 5                          | 64QAM      | 1       | 24        | 20.19                 | 20.19                    | 20.12                  | 21                  | 2        |  |
| 5                          | 64QAM      | 12      | 0         | 19.01                 | 19.02                    | 19.00                  |                     |          |  |
| 5                          | 64QAM      | 12      | 7         | 19.09                 | 19.05                    | 19.11                  |                     |          |  |
| 5                          | 64QAM      | 12      | 13        | 19.09                 | 19.17                    | 19.07                  |                     |          |  |
| 5                          | 64QAM      | 25      | 0         | 19.13                 | 19.03                    | 19.00                  | 20                  | 3        |  |
| Channel                    |            |         |           | 23025                 | 23095                    | 23165                  |                     |          |  |
| Frequency (MHz)            |            |         |           | 700.5                 | 707.5                    | 714.5                  | Tune-up limit (dBm) | MPR (dB) |  |
| 3                          | QPSK       | 1       | 0         | 21.99                 | 21.98                    | 21.85                  | 23                  | 0        |  |
| 3                          | QPSK       | 1       | 8         | 21.75                 | 21.89                    | 21.88                  |                     |          |  |
| 3                          | QPSK       | 1       | 14        | 22.00                 | 21.94                    | 21.90                  |                     |          |  |
| 3                          | QPSK       | 8       | 0         | 21.11                 | 21.14                    | 21.01                  |                     |          |  |
| 3                          | QPSK       | 8       | 4         | 21.03                 | 21.03                    | 20.99                  | 22                  | 1        |  |
| 3                          | QPSK       | 8       | 7         | 21.00                 | 21.01                    | 20.98                  |                     |          |  |
| 3                          | QPSK       | 16      | 0         | 21.06                 | 21.09                    | 21.03                  |                     |          |  |
| 3                          | 16QAM      | 1       | 0         | 21.08                 | 21.12                    | 21.19                  |                     |          |  |
| 3                          | 16QAM      | 1       | 8         | 21.20                 | 21.25                    | 21.26                  | 22                  | 1        |  |
| 3                          | 16QAM      | 1       | 14        | 21.28                 | 21.31                    | 21.25                  |                     |          |  |
| 3                          | 16QAM      | 8       | 0         | 19.93                 | 20.09                    | 19.98                  |                     |          |  |
| 3                          | 16QAM      | 8       | 4         | 20.08                 | 19.98                    | 20.00                  |                     |          |  |
| 3                          | 16QAM      | 8       | 7         | 20.06                 | 20.00                    | 20.00                  | 21                  | 2        |  |
| 3                          | 16QAM      | 16      | 0         | 20.01                 | 20.03                    | 20.04                  |                     |          |  |
| 3                          | 64QAM      | 1       | 0         | 20.08                 | 20.05                    | 20.05                  |                     |          |  |
| 3                          | 64QAM      | 1       | 8         | 20.12                 | 20.22                    | 20.19                  |                     |          |  |
| 3                          | 64QAM      | 1       | 14        | 20.29                 | 20.25                    | 20.16                  | 21                  | 2        |  |
| 3                          | 64QAM      | 8       | 0         | 19.01                 | 19.04                    | 19.04                  |                     |          |  |
| 3                          | 64QAM      | 8       | 4         | 19.03                 | 19.05                    | 19.11                  |                     |          |  |
| 3                          | 64QAM      | 8       | 7         | 18.99                 | 19.13                    | 19.06                  |                     |          |  |
| 3                          | 64QAM      | 16      | 0         | 19.10                 | 19.10                    | 19.01                  | 20                  | 3        |  |
| Channel                    |            |         |           | 23017                 | 23095                    | 23173                  |                     |          |  |
| Frequency (MHz)            |            |         |           | 699.7                 | 707.5                    | 715.3                  | Tune-up limit (dBm) | MPR (dB) |  |
| 1.4                        | QPSK       | 1       | 0         | 22.05                 | 22.04                    | 21.90                  | 23                  | 0        |  |
| 1.4                        | QPSK       | 1       | 3         | 21.81                 | 21.83                    | 21.82                  |                     |          |  |
| 1.4                        | QPSK       | 1       | 5         | 21.98                 | 21.98                    | 21.85                  |                     |          |  |
| 1.4                        | QPSK       | 3       | 0         | 21.05                 | 21.15                    | 21.05                  |                     |          |  |
| 1.4                        | QPSK       | 3       | 1         | 21.01                 | 21.01                    | 21.02                  | 22                  | 1        |  |
| 1.4                        | QPSK       | 3       | 3         | 20.98                 | 20.94                    | 20.96                  |                     |          |  |
| 1.4                        | QPSK       | 6       | 0         | 21.04                 | 21.04                    | 21.06                  |                     |          |  |
| 1.4                        | 16QAM      | 1       | 0         | 21.17                 | 21.06                    | 21.23                  |                     |          |  |
| 1.4                        | 16QAM      | 1       | 3         | 21.22                 | 21.23                    | 21.19                  | 22                  | 1        |  |
| 1.4                        | 16QAM      | 1       | 5         | 21.27                 | 21.31                    | 21.29                  |                     |          |  |
| 1.4                        | 16QAM      | 3       | 0         | 19.94                 | 20.03                    | 20.02                  |                     |          |  |
| 1.4                        | 16QAM      | 3       | 1         | 20.04                 | 20.03                    | 19.96                  |                     |          |  |
| 1.4                        | 16QAM      | 3       | 3         | 20.05                 | 19.98                    | 20.05                  | 21                  | 2        |  |
| 1.4                        | 16QAM      | 6       | 0         | 20.04                 | 20.09                    | 19.98                  |                     |          |  |
| 1.4                        | 64QAM      | 1       | 0         | 19.99                 | 20.04                    | 20.10                  |                     |          |  |
| 1.4                        | 64QAM      | 1       | 3         | 20.20                 | 20.24                    | 20.23                  |                     |          |  |
| 1.4                        | 64QAM      | 1       | 5         | 20.24                 | 20.21                    | 20.16                  | 21                  | 2        |  |
| 1.4                        | 64QAM      | 3       | 0         | 18.97                 | 19.04                    | 19.03                  |                     |          |  |
| 1.4                        | 64QAM      | 3       | 1         | 19.06                 | 19.05                    | 19.08                  |                     |          |  |
| 1.4                        | 64QAM      | 3       | 3         | 19.02                 | 19.16                    | 19.08                  |                     |          |  |
| 1.4                        | 64QAM      | 6       | 0         | 19.03                 | 19.07                    | 19.05                  | 20                  | 3        |  |

| Band 13_Ant 1 DSI 2&4&6&3&5 |            |         |           |                       |                          |                        |                     |          |  |
|-----------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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                     |            |         |           | 752                   |                          |                        | 24                  | 0        |  |
| Frequency (MHz)             |            |         |           | 752                   |                          |                        |                     |          |  |
| 10                          | QPSK       | 1       | 0         |                       | 22.43                    | 22.32                  | 24                  | 0        |  |
| 10                          | QPSK       | 1       | 25        |                       | 22.32                    | 22.27                  |                     |          |  |
| 10                          | QPSK       | 1       | 49        |                       | 22.27                    | 21.52                  |                     |          |  |
| 10                          | QPSK       | 25      | 0         |                       | 21.48                    | 21.48                  |                     |          |  |
| 10                          | QPSK       | 25      | 12        |                       | 21.48                    | 21.48                  | 23                  | 1        |  |
| 10                          | QPSK       | 25      | 25        |                       | 21.48                    | 21.48                  |                     |          |  |
| 10                          | QPSK       | 50      | 0         |                       | 21.52                    | 21.82                  |                     |          |  |
| 10                          | 16QAM      | 1       | 0         |                       | 21.82                    | 21.76                  |                     |          |  |
| 10                          | 16QAM      | 1       | 25        |                       | 21.76                    | 21.68                  | 23                  | 1        |  |
| 10                          | 16QAM      | 1       | 49        |                       | 21.68                    | 20.52                  |                     |          |  |
| 10                          | 16QAM      | 25      | 0         |                       | 20.52                    | 20.49                  |                     |          |  |
| 10                          | 16QAM      | 25      | 12        |                       | 20.49                    | 20.51                  |                     |          |  |
| 10                          | 16QAM      | 25      | 25        |                       | 20.51                    | 20.46                  | 22                  | 2        |  |
| 10                          | 16QAM      | 50      | 0         |                       | 20.46                    | 20.70                  |                     |          |  |
| 10                          | 64QAM      | 1       | 0         |                       | 20.70                    | 20.65                  |                     |          |  |
| 10                          | 64QAM      | 1       | 25        |                       | 20.65                    | 20.61                  |                     |          |  |
| 10                          | 64QAM      | 1       | 49        |                       | 20.61                    | 19.53                  | 22                  | 2        |  |
| 10                          | 64QAM      | 25      | 0         |                       | 19.53                    | 19.50                  |                     |          |  |
| 10                          | 64QAM      | 25      | 12        |                       | 19.50                    | 19.53                  |                     |          |  |
| 10                          | 64QAM      | 25      | 25        |                       | 19.53                    | 19.56                  |                     |          |  |
| 10                          | 64QAM      | 50      | 0         |                       | 19.56                    |                        | 21                  | 3        |  |
| Channel                     |            |         |           | 23205                 | 23230                    | 23255                  |                     |          |  |
| Frequency (MHz)             |            |         |           | 779.5                 | 782                      | 784.5                  | Tune-up limit (dBm) | MPR (dB) |  |
| 5                           | QPSK       | 1       | 0         |                       | 22.38                    | 22.35                  | 24                  | 0        |  |
| 5                           | QPSK       | 1       | 12        |                       | 22.26                    | 22.27                  |                     |          |  |
| 5                           | QPSK       | 1       | 24        |                       | 22.27                    | 22.27                  |                     |          |  |
| 5                           | QPSK       | 12      | 0         |                       | 21.51                    | 21.48                  |                     |          |  |
| 5                           | QPSK       | 12      | 7         |                       | 21.43                    | 21.42                  | 23                  | 1        |  |
| 5                           | QPSK       | 12      | 13        |                       | 21.48                    | 21.48                  |                     |          |  |
| 5                           | QPSK       | 25      | 0         |                       | 21.52                    | 21.43                  |                     |          |  |
| 5                           | 16QAM      | 1       | 0         |                       | 21.78                    | 21.77                  |                     |          |  |
| 5                           | 16QAM      | 1       | 12        |                       | 21.72                    | 21.71                  | 23                  | 1        |  |
| 5                           | 16QAM      | 1       | 24        |                       | 21.67                    | 21.64                  |                     |          |  |
| 5                           | 16QAM      | 12      | 0         |                       | 20.42                    | 20.50                  |                     |          |  |
| 5                           | 16QAM      | 12      | 0         |                       | 20.42                    | 20.52                  |                     |          |  |
| 5                           | 16QAM      | 12      | 7         |                       | 20.41                    | 20.42                  | 22                  | 2        |  |
| 5                           | 16QAM      | 12      | 13        |                       | 20.47                    | 20.46                  |                     |          |  |
| 5                           | 16QAM      | 25      | 0         |                       | 20.40                    | 20.42                  |                     |          |  |
| 5                           | 64QAM      | 1       | 0         |                       | 20.64                    | 20.66                  |                     |          |  |
| 5                           | 64QAM      | 1       | 12        |                       | 20.55                    | 20.54                  | 22                  | 2        |  |
| 5                           | 64QAM      | 1       | 24        |                       | 20.51                    | 20.55                  |                     |          |  |
| 5                           | 64QAM      | 12      | 0         |                       | 19.51                    | 19.51                  |                     |          |  |
| 5                           | 64QAM      | 12      | 7         |                       | 19.50                    | 19.49                  |                     |          |  |
| 5                           | 64QAM      | 12      | 13        |                       | 19.49                    | 19.47                  | 21                  | 3        |  |
| 5                           | 64QAM      | 25      | 0         |                       | 19.55                    | 19.51                  |                     |          |  |

| Band 17_Ant 1 DSI 284&6&3&5 |            |         |           |                       |                          |                        |                     |          |  |
|-----------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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                     |            |         |           | 23780                 | 23790                    | 23800                  |                     |          |  |
| Frequency (MHz)             |            |         |           | 709                   | 710                      | 711                    |                     |          |  |
| 10                          | QPSK       | 1       | 0         | 22.65                 | 22.67                    | 22.68                  | 24                  | 0        |  |
| 10                          | QPSK       | 1       | 25        | 22.60                 | 22.65                    | 22.64                  |                     |          |  |
| 10                          | QPSK       | 1       | 49        | 22.55                 | 22.57                    | 22.56                  |                     |          |  |
| 10                          | QPSK       | 25      | 0         | 21.75                 | 21.80                    | 21.85                  | 23                  | 1        |  |
| 10                          | QPSK       | 25      | 12        | 21.75                 | 21.77                    | 21.78                  |                     |          |  |
| 10                          | QPSK       | 25      | 25        | 21.70                 | 21.76                    | 21.71                  |                     |          |  |
| 10                          | QPSK       | 50      | 0         | 21.78                 | 21.82                    | 21.75                  | 23                  | 1        |  |
| 10                          | 16QAM      | 1       | 0         | 21.94                 | 21.92                    | 21.95                  |                     |          |  |
| 10                          | 16QAM      | 1       | 25        | 22.01                 | 22.03                    | 22.02                  |                     |          |  |
| 10                          | 16QAM      | 1       | 49        | 22.08                 | 22.01                    | 22.03                  | 22                  | 2        |  |
| 10                          | 16QAM      | 25      | 0         | 20.70                 | 20.69                    | 20.70                  |                     |          |  |
| 10                          | 16QAM      | 25      | 12        | 20.86                 | 20.79                    | 20.76                  |                     |          |  |
| 10                          | 16QAM      | 25      | 25        | 20.79                 | 20.80                    | 20.80                  | 22                  | 2        |  |
| 10                          | 16QAM      | 50      | 0         | 20.80                 | 20.75                    | 20.74                  |                     |          |  |
| 10                          | 64QAM      | 1       | 0         | 20.79                 | 20.76                    | 20.77                  |                     |          |  |
| 10                          | 64QAM      | 1       | 25        | 20.92                 | 20.95                    | 20.94                  | 22                  | 2        |  |
| 10                          | 64QAM      | 1       | 49        | 21.02                 | 20.93                    | 20.91                  |                     |          |  |
| 10                          | 64QAM      | 25      | 0         | 19.72                 | 19.74                    | 19.76                  |                     |          |  |
| 10                          | 64QAM      | 25      | 12        | 19.87                 | 19.81                    | 19.82                  | 21                  | 3        |  |
| 10                          | 64QAM      | 25      | 25        | 19.86                 | 19.88                    | 19.88                  |                     |          |  |
| 10                          | 64QAM      | 50      | 0         | 19.87                 | 19.73                    | 19.79                  |                     |          |  |
| Channel                     |            |         |           | 23785                 | 23790                    | 23805                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 706.5                 | 710                      | 713.5                  |                     |          |  |
| 5                           | QPSK       | 1       | 0         | 22.60                 | 22.66                    | 22.62                  | 24                  | 0        |  |
| 5                           | QPSK       | 1       | 12        | 22.52                 | 22.58                    | 22.56                  |                     |          |  |
| 5                           | QPSK       | 1       | 24        | 22.45                 | 22.48                    | 22.54                  |                     |          |  |
| 5                           | QPSK       | 12      | 0         | 21.65                 | 21.83                    | 21.84                  | 23                  | 1        |  |
| 5                           | QPSK       | 12      | 7         | 21.69                 | 21.74                    | 21.74                  |                     |          |  |
| 5                           | QPSK       | 12      | 13        | 21.70                 | 21.70                    | 21.84                  |                     |          |  |
| 5                           | QPSK       | 25      | 0         | 21.75                 | 21.72                    | 21.68                  | 23                  | 1        |  |
| 5                           | 16QAM      | 1       | 0         | 21.84                 | 21.90                    | 21.92                  |                     |          |  |
| 5                           | 16QAM      | 1       | 12        | 21.93                 | 22.01                    | 21.92                  |                     |          |  |
| 5                           | 16QAM      | 1       | 24        | 21.98                 | 22.00                    | 21.99                  | 22                  | 2        |  |
| 5                           | 16QAM      | 12      | 0         | 20.69                 | 20.64                    | 20.65                  |                     |          |  |
| 5                           | 16QAM      | 12      | 7         | 20.80                 | 20.74                    | 20.76                  |                     |          |  |
| 5                           | 16QAM      | 12      | 13        | 20.79                 | 20.77                    | 20.70                  | 22                  | 2        |  |
| 5                           | 16QAM      | 25      | 0         | 20.78                 | 20.75                    | 20.74                  |                     |          |  |
| 5                           | 64QAM      | 1       | 0         | 20.72                 | 20.69                    | 20.71                  |                     |          |  |
| 5                           | 64QAM      | 1       | 12        | 20.89                 | 20.87                    | 20.89                  | 22                  | 2        |  |
| 5                           | 64QAM      | 1       | 24        | 20.92                 | 20.92                    | 20.82                  |                     |          |  |
| 5                           | 64QAM      | 12      | 0         | 19.62                 | 19.72                    | 19.72                  |                     |          |  |
| 5                           | 64QAM      | 12      | 7         | 19.84                 | 19.79                    | 19.82                  | 21                  | 3        |  |
| 5                           | 64QAM      | 12      | 13        | 19.83                 | 19.79                    | 19.81                  |                     |          |  |
| 5                           | 64QAM      | 25      | 0         | 19.80                 | 19.66                    | 19.78                  |                     |          |  |

| Band 17_Ant2 DSI 284&6&3&5 |            |         |           |                       |                          |                        |                     |          |  |
|----------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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                    |            |         |           | 23780                 | 23790                    | 23800                  |                     |          |  |
| Frequency (MHz)            |            |         |           | 709                   | 710                      | 711                    |                     |          |  |
| 10                         | QPSK       | 1       | 0         | 22.12                 | 22.05                    | 22.03                  | 23                  | 0        |  |
| 10                         | QPSK       | 1       | 25        | 21.89                 | 21.92                    | 21.92                  |                     |          |  |
| 10                         | QPSK       | 1       | 49        | 22.03                 | 21.93                    | 21.92                  |                     |          |  |
| 10                         | QPSK       | 25      | 0         | 21.15                 | 21.01                    | 21.01                  | 22                  | 1        |  |
| 10                         | QPSK       | 25      | 12        | 21.13                 | 20.97                    | 20.96                  |                     |          |  |
| 10                         | QPSK       | 25      | 25        | 21.05                 | 20.85                    | 20.92                  |                     |          |  |
| 10                         | QPSK       | 50      | 0         | 21.12                 | 20.94                    | 20.91                  | 22                  | 1        |  |
| 10                         | 16QAM      | 1       | 0         | 21.26                 | 21.25                    | 21.25                  |                     |          |  |
| 10                         | 16QAM      | 1       | 25        | 21.33                 | 21.33                    | 21.29                  |                     |          |  |
| 10                         | 16QAM      | 1       | 49        | 21.39                 | 21.33                    | 21.32                  | 21                  | 2        |  |
| 10                         | 16QAM      | 25      | 0         | 20.00                 | 19.98                    | 19.99                  |                     |          |  |
| 10                         | 16QAM      | 25      | 12        | 20.10                 | 20.07                    | 20.07                  |                     |          |  |
| 10                         | 16QAM      | 25      | 25        | 20.10                 | 20.14                    | 20.11                  | 21                  | 2        |  |
| 10                         | 16QAM      | 50      | 0         | 20.13                 | 20.06                    | 20.03                  |                     |          |  |
| 10                         | 64QAM      | 1       | 0         | 20.08                 | 20.15                    | 20.06                  |                     |          |  |
| 10                         | 64QAM      | 1       | 25        | 20.17                 | 20.27                    | 20.26                  | 21                  | 2        |  |
| 10                         | 64QAM      | 1       | 49        | 20.25                 | 20.25                    | 20.24                  |                     |          |  |
| 10                         | 64QAM      | 25      | 0         | 19.04                 | 19.03                    | 19.03                  |                     |          |  |
| 10                         | 64QAM      | 25      | 12        | 19.15                 | 19.10                    | 19.10                  | 20                  | 3        |  |
| 10                         | 64QAM      | 25      | 25        | 19.16                 | 19.20                    | 19.14                  |                     |          |  |
| 10                         | 64QAM      | 50      | 0         | 19.16                 | 19.09                    | 19.07                  |                     |          |  |
| Channel                    |            |         |           | 23755                 | 23790                    | 23825                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)            |            |         |           | 706.5                 | 710                      | 713.5                  |                     |          |  |
| 5                          | QPSK       | 1       | 0         | 22.08                 | 22.04                    | 21.96                  | 23                  | 0        |  |
| 5                          | QPSK       | 1       | 12        | 21.85                 | 21.82                    | 21.84                  |                     |          |  |
| 5                          | QPSK       | 1       | 24        | 22.03                 | 21.90                    | 21.85                  |                     |          |  |
| 5                          | QPSK       | 12      | 0         | 21.15                 | 20.92                    | 20.95                  | 22                  | 1        |  |
| 5                          | QPSK       | 12      | 7         | 21.06                 | 20.96                    | 20.94                  |                     |          |  |
| 5                          | QPSK       | 12      | 13        | 21.04                 | 20.77                    | 20.90                  |                     |          |  |
| 5                          | QPSK       | 25      | 0         | 21.12                 | 20.85                    | 20.83                  | 22                  | 1        |  |
| 5                          | 16QAM      | 1       | 0         | 21.18                 | 21.24                    | 21.25                  |                     |          |  |
| 5                          | 16QAM      | 1       | 12        | 21.27                 | 21.23                    | 21.25                  |                     |          |  |
| 5                          | 16QAM      | 1       | 24        | 21.39                 | 21.27                    | 21.24                  | 21                  | 2        |  |
| 5                          | 16QAM      | 12      | 0         | 20.00                 | 19.98                    | 19.97                  |                     |          |  |
| 5                          | 16QAM      | 12      | 7         | 20.00                 | 20.06                    | 20.02                  |                     |          |  |
| 5                          | 16QAM      | 12      | 13        | 20.02                 | 20.06                    | 20.08                  | 21                  | 2        |  |
| 5                          | 16QAM      | 25      | 0         | 20.03                 | 20.01                    | 20.02                  |                     |          |  |
| 5                          | 64QAM      | 1       | 0         | 20.07                 | 20.05                    | 20.01                  |                     |          |  |
| 5                          | 64QAM      | 1       | 12        | 20.11                 | 20.17                    | 20.22                  | 21                  | 2        |  |
| 5                          | 64QAM      | 1       | 24        | 20.18                 | 20.15                    | 20.23                  |                     |          |  |
| 5                          | 64QAM      | 12      | 0         | 19.00                 | 19.00                    | 19.00                  |                     |          |  |
| 5                          | 64QAM      | 12      | 7         | 19.07                 | 19.00                    | 19.01                  | 20                  | 3        |  |
| 5                          | 64QAM      | 12      | 13        | 19.15                 | 19.17                    | 19.12                  |                     |          |  |
| 5                          | 64QAM      | 25      | 0         | 19.10                 | 19.02                    | 19.03                  |                     |          |  |

| Band 26_Ant 1 DSI 2&4&6&3&5 |            |         |           |                       |                          |                        |                     |          |  |
|-----------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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                     |            |         |           | 26748                 | 26865                    | 26965                  |                     |          |  |
| Frequency (MHz)             |            |         |           | 821.5                 | 831.5                    | 841.5                  |                     |          |  |
| 15                          | QPSK       | 1       | 0         | 22.58                 | 22.65                    | 22.63                  | 24                  | 0        |  |
| 15                          | QPSK       | 1       | 37        | 22.48                 | 22.64                    | 22.61                  |                     |          |  |
| 15                          | QPSK       | 1       | 74        | 22.54                 | 22.55                    | 22.51                  |                     |          |  |
| 15                          | QPSK       | 36      | 0         | 21.72                 | 21.76                    | 21.73                  | 23                  | 1        |  |
| 15                          | QPSK       | 36      | 20        | 21.66                 | 21.70                    | 21.72                  |                     |          |  |
| 15                          | QPSK       | 36      | 39        | 21.63                 | 21.68                    | 21.70                  |                     |          |  |
| 15                          | QPSK       | 75      | 0         | 21.68                 | 21.70                    | 21.70                  | 23                  | 1        |  |
| 15                          | 16QAM      | 1       | 0         | 21.89                 | 21.84                    | 21.97                  |                     |          |  |
| 15                          | 16QAM      | 1       | 37        | 21.83                 | 21.91                    | 21.91                  |                     |          |  |
| 15                          | 16QAM      | 1       | 74        | 21.84                 | 21.86                    | 21.85                  | 22                  | 2        |  |
| 15                          | 16QAM      | 36      | 0         | 20.67                 | 20.72                    | 20.73                  |                     |          |  |
| 15                          | 16QAM      | 36      | 20        | 20.68                 | 20.69                    | 20.71                  |                     |          |  |
| 15                          | 16QAM      | 36      | 39        | 20.71                 | 20.73                    | 20.69                  | 22                  | 2        |  |
| 15                          | 16QAM      | 75      | 0         | 20.70                 | 20.74                    | 20.72                  |                     |          |  |
| 15                          | 64QAM      | 1       | 0         | 20.76                 | 20.68                    | 20.81                  |                     |          |  |
| 15                          | 64QAM      | 1       | 37        | 20.78                 | 20.85                    | 20.84                  | 22                  | 2        |  |
| 15                          | 64QAM      | 1       | 74        | 20.81                 | 20.81                    | 20.75                  |                     |          |  |
| 15                          | 64QAM      | 36      | 0         | 19.70                 | 19.72                    | 19.78                  |                     |          |  |
| 15                          | 64QAM      | 36      | 20        | 19.70                 | 19.72                    | 19.75                  | 21                  | 3        |  |
| 15                          | 64QAM      | 36      | 39        | 19.79                 | 19.80                    | 19.79                  |                     |          |  |
| 15                          | 64QAM      | 75      | 0         | 19.71                 | 19.72                    | 19.72                  |                     |          |  |
| Channel                     |            |         |           | 26748                 | 26865                    | 26965                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 819                   | 831.5                    | 844                    |                     |          |  |
| 10                          | QPSK       | 1       | 0         | 22.56                 | 22.59                    | 22.59                  | 24                  | 0        |  |
| 10                          | QPSK       | 1       | 25        | 22.40                 | 22.60                    | 22.52                  |                     |          |  |
| 10                          | QPSK       | 1       | 49        | 22.50                 | 22.46                    | 22.49                  |                     |          |  |
| 10                          | QPSK       | 25      | 0         | 21.66                 | 21.73                    | 21.73                  | 23                  | 1        |  |
| 10                          | QPSK       | 25      | 12        | 21.59                 | 21.63                    | 21.66                  |                     |          |  |
| 10                          | QPSK       | 25      | 25        | 21.61                 | 21.64                    | 21.65                  |                     |          |  |
| 10                          | QPSK       | 50      | 0         | 21.62                 | 21.65                    | 21.63                  | 23                  | 1        |  |
| 10                          | 16QAM      | 1       | 0         | 21.89                 | 21.84                    | 21.97                  |                     |          |  |
| 10                          | 16QAM      | 1       | 25        | 21.82                 | 21.91                    | 21.92                  |                     |          |  |
| 10                          | 16QAM      | 1       | 49        | 21.74                 | 21.83                    | 21.85                  | 22                  | 2        |  |
| 10                          | 16QAM      | 25      | 0         | 20.57                 | 20.63                    | 20.72                  |                     |          |  |
| 10                          | 16QAM      | 25      | 12        | 20.61                 | 20.69                    | 20.65                  |                     |          |  |
| 10                          | 16QAM      | 25      | 25        | 20.66                 | 20.72                    | 20.62                  | 22                  | 2        |  |
| 10                          | 16QAM      | 50      | 0         | 20.69                 | 20.73                    | 20.71                  |                     |          |  |
| 10                          | 64QAM      | 1       | 0         | 20.74                 | 20.65                    | 20.80                  |                     |          |  |
| 10                          | 64QAM      | 1       | 25        | 20.74                 | 20.77                    | 20.78                  | 21                  | 3        |  |
| 10                          | 64QAM      | 1       | 49        | 20.80                 | 20.76                    | 20.88                  |                     |          |  |
| 10                          | 64QAM      | 25      | 0         | 19.70                 | 19.71                    | 19.68                  |                     |          |  |
| 10                          | 64QAM      | 25      | 12        | 19.61                 | 19.72                    | 19.75                  | 21                  | 3        |  |
| 10                          | 64QAM      | 25      | 25        | 19.77                 | 19.76                    | 19.79                  |                     |          |  |
| 10                          | 64QAM      | 50      | 0         | 19.61                 | 19.65                    | 19.64                  |                     |          |  |
| Channel                     |            |         |           | 26715                 | 26865                    | 27015                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 816.5                 | 831.5                    | 846.5                  |                     |          |  |
| 5                           | QPSK       | 1       | 0         | 22.48                 | 22.63                    | 22.59                  | 24                  | 0        |  |
| 5                           | QPSK       | 1       | 12        | 22.45                 | 22.60                    | 22.58                  |                     |          |  |
| 5                           | QPSK       | 1       | 24        | 22.45                 | 22.50                    | 22.51                  |                     |          |  |
| 5                           | QPSK       | 12      | 0         | 21.64                 | 21.70                    | 21.69                  | 23                  | 1        |  |
| 5                           | QPSK       | 12      | 7         | 21.57                 | 21.60                    | 21.69                  |                     |          |  |
| 5                           | QPSK       | 12      | 13        | 21.56                 | 21.58                    | 21.69                  |                     |          |  |
| 5                           | QPSK       | 25      | 0         | 21.56                 | 21.69                    | 21.70                  | 23                  | 1        |  |
| 5                           | 16QAM      | 1       | 0         | 21.89                 | 21.80                    | 21.93                  |                     |          |  |
| 5                           | 16QAM      | 1       | 12        | 21.80                 | 21.83                    | 21.81                  |                     |          |  |
| 5                           | 16QAM      | 1       | 24        | 21.76                 | 21.79                    | 21.76                  | 22                  | 2        |  |
| 5                           | 16QAM      | 12      | 0         | 20.67                 | 20.72                    | 20.70                  |                     |          |  |
| 5                           | 16QAM      | 12      | 7         | 20.68                 | 20.59                    | 20.73                  |                     |          |  |
| 5                           | 16QAM      | 12      | 13        | 20.70                 | 20.65                    | 20.62                  | 22                  | 2        |  |
| 5                           | 16QAM      | 25      | 0         | 20.70                 | 20.66                    | 20.62                  |                     |          |  |
| 5                           | 64QAM      | 1       | 0         | 20.71                 | 20.64                    | 20.80                  |                     |          |  |
| 5                           | 64QAM      | 1       | 12        | 20.71                 | 20.82                    | 20.83                  | 21                  | 3        |  |
| 5                           | 64QAM      | 1       | 24        | 20.76                 | 20.72                    | 20.75                  |                     |          |  |
| 5                           | 64QAM      | 12      | 0         | 19.65                 | 19.69                    | 19.73                  |                     |          |  |
| 5                           | 64QAM      | 12      | 7         | 19.60                 | 19.70                    | 19.65                  | 21                  | 3        |  |
| 5                           | 64QAM      | 12      | 13        | 19.74                 | 19.74                    | 19.79                  |                     |          |  |
| 5                           | 64QAM      | 25      | 0         | 19.61                 | 19.66                    | 19.72                  |                     |          |  |
| Channel                     |            |         |           | 26705                 | 26865                    | 27025                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 815.5                 | 831.5                    | 847.5                  |                     |          |  |
| 3                           | QPSK       | 1       | 0         | 22.58                 | 22.58                    | 22.62                  | 24                  | 0        |  |
| 3                           | QPSK       | 1       | 8         | 22.46                 | 22.58                    | 22.60                  |                     |          |  |
| 3                           | QPSK       | 1       | 14        | 22.46                 | 22.48                    | 22.42                  |                     |          |  |
| 3                           | QPSK       | 8       | 0         | 21.65                 | 21.76                    | 21.69                  | 23                  | 1        |  |
| 3                           | QPSK       | 8       | 4         | 21.64                 | 21.61                    | 21.65                  |                     |          |  |
| 3                           | QPSK       | 8       | 7         | 21.53                 | 21.77                    | 21.63                  |                     |          |  |
| 3                           | QPSK       | 16      | 0         | 21.62                 | 21.62                    | 21.68                  | 23                  | 1        |  |
| 3                           | 16QAM      | 1       | 0         | 21.89                 | 21.80                    | 21.88                  |                     |          |  |
| 3                           | 16QAM      | 1       | 8         | 21.75                 | 21.82                    | 21.86                  |                     |          |  |
| 3                           | 16QAM      | 1       | 14        | 21.77                 | 21.80                    | 21.84                  | 22                  | 2        |  |
| 3                           | 16QAM      | 8       | 0         | 20.59                 | 20.69                    | 20.69                  |                     |          |  |
| 3                           | 16QAM      | 8       | 4         | 20.58                 | 20.68                    | 20.61                  |                     |          |  |
| 3                           | 16QAM      | 8       | 7         | 20.61                 | 20.65                    | 20.65                  | 22                  | 2        |  |
| 3                           | 16QAM      | 15      | 0         | 20.70                 | 20.66                    | 20.65                  |                     |          |  |
| 3                           | 64QAM      | 1       | 0         | 20.76                 | 20.60                    | 20.76                  |                     |          |  |
| 3                           | 64QAM      | 1       | 8         | 20.73                 | 20.80                    | 20.77                  | 22                  | 2        |  |
| 3                           | 64QAM      | 1       | 14        | 20.72                 | 20.72                    | 20.72                  |                     |          |  |
| 3                           | 64QAM      | 8       | 0         | 19.66                 | 19.71                    | 19.75                  |                     |          |  |
| 3                           | 64QAM      | 8       | 4         | 19.67                 | 19.68                    | 19.66                  | 21                  | 3        |  |
| 3                           | 64QAM      | 8       | 7         | 19.79                 | 19.71                    | 19.69                  |                     |          |  |
| 3                           | 64QAM      | 15      | 0         | 19.70                 | 19.62                    | 19.70                  |                     |          |  |
| Channel                     |            |         |           | 26697                 | 26865                    | 27033                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 814.7                 | 831.5                    | 848.3                  |                     |          |  |
| 1.4                         | QPSK       | 1       | 0         | 22.57                 | 22.63                    | 22.57                  | 24                  | 0        |  |
| 1.4                         | QPSK       | 1       | 3         | 22.43                 | 22.57                    | 22.58                  |                     |          |  |
| 1.4                         | QPSK       | 1       | 5         | 22.51                 | 22.55                    | 22.42                  |                     |          |  |
| 1.4                         | QPSK       | 3       | 1         | 22.46                 | 22.52                    | 22.43                  | 23                  | 1        |  |
| 1.4                         | QPSK       | 3       | 1         | 22.36                 | 22.46                    | 22.45                  |                     |          |  |
| 1.4                         | QPSK       | 3       | 3         | 22.41                 | 22.48                    | 22.44                  |                     |          |  |
| 1.4                         | QPSK       | 6       | 0         | 22.07                 | 22.08                    | 22.05                  | 23                  | 1        |  |
| 1.4                         | 16QAM      | 1       | 0         | 21.85                 | 21.83                    | 21.88                  |                     |          |  |
| 1.4                         | 16QAM      | 1       | 3         | 21.75                 | 21.87                    | 21.91                  |                     |          |  |
| 1.4                         | 16QAM      | 1       | 5         | 21.83                 | 21.86                    | 21.84                  | 23                  | 1        |  |
| 1.4                         | 16QAM      | 3       | 0         | 21.63                 | 21.67                    | 21.66                  |                     |          |  |
| 1.4                         | 16QAM      | 3       | 1         | 21.66                 | 21.59                    | 21.66                  |                     |          |  |
| 1.4                         | 16QAM      | 3       | 3         | 21.61                 | 21.73                    | 21.69                  | 22                  | 2        |  |
| 1.4                         | 16QAM      | 6       | 0         | 21.20                 | 21.05                    | 21.12                  |                     |          |  |
| 1.4                         | 64QAM      | 1       | 0         | 20.66                 | 20.64                    | 20.81                  |                     |          |  |
| 1.4                         | 64QAM      | 1       | 3         | 20.73                 | 20.62                    | 20.77                  | 22                  | 2        |  |
| 1.4                         | 64QAM      | 1       | 5         | 20.72                 | 20.71                    | 20.81                  |                     |          |  |
| 1.4                         | 64QAM      | 3       | 0         | 20.05                 | 20.70                    | 20.69                  |                     |          |  |
| 1.4                         | 64QAM      | 3       | 1         | 20.69                 | 20.72                    | 20.74                  | 21                  | 3        |  |
| 1.4                         | 64QAM      | 3       | 3         | 20.70                 | 20.79                    | 20.70                  |                     |          |  |
| 1.4                         | 64QAM      | 6       | 0         | 20.04                 | 20.09                    | 20.02                  |                     |          |  |

| Band 26_Ant2 DSI 2&4&6&8&5 |            |         |           |                       |                        |                        |                     |          |  |
|----------------------------|------------|---------|-----------|-----------------------|------------------------|------------------------|---------------------|----------|--|
| BW [MHz]                   | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power High Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           | 26705                 | 26865                  | 26965                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)            |            |         |           | 811.5                 | 831.5                  | 841.5                  |                     |          |  |
| 15                         | QPSK       | 1       | 0         | 21.70                 | 21.71                  | 21.75                  | 23                  | 0        |  |
| 15                         | QPSK       | 1       | 37        | 21.59                 | 21.70                  | 21.75                  |                     |          |  |
| 15                         | QPSK       | 1       | 74        | 21.62                 | 21.62                  | 21.66                  | 22                  | 1        |  |
| 15                         | QPSK       | 36      | 0         | 20.78                 | 20.82                  | 20.86                  |                     |          |  |
| 15                         | QPSK       | 36      | 20        | 20.74                 | 20.76                  | 20.83                  | 22                  | 1        |  |
| 15                         | QPSK       | 36      | 39        | 20.75                 | 20.78                  | 20.86                  |                     |          |  |
| 15                         | QPSK       | 75      | 0         | 20.71                 | 20.73                  | 20.85                  | 22                  | 1        |  |
| 15                         | 16QAM      | 1       | 0         | 21.06                 | 20.95                  | 21.07                  |                     |          |  |
| 15                         | 16QAM      | 1       | 37        | 20.93                 | 21.01                  | 21.07                  | 22                  | 1        |  |
| 15                         | 16QAM      | 1       | 74        | 21.00                 | 20.98                  | 20.97                  |                     |          |  |
| 15                         | 16QAM      | 36      | 0         | 19.77                 | 19.79                  | 19.92                  | 21                  | 2        |  |
| 15                         | 16QAM      | 36      | 20        | 19.80                 | 19.82                  | 19.83                  |                     |          |  |
| 15                         | 16QAM      | 36      | 39        | 19.86                 | 19.87                  | 19.88                  | 21                  | 2        |  |
| 15                         | 16QAM      | 75      | 0         | 19.83                 | 19.83                  | 19.88                  |                     |          |  |
| 15                         | 64QAM      | 1       | 0         | 19.87                 | 19.79                  | 19.96                  | 21                  | 2        |  |
| 15                         | 64QAM      | 1       | 37        | 19.82                 | 19.92                  | 19.97                  |                     |          |  |
| 15                         | 64QAM      | 1       | 74        | 19.92                 | 20.02                  | 19.85                  | 20                  | 3        |  |
| 15                         | 64QAM      | 36      | 0         | 18.82                 | 18.81                  | 18.93                  |                     |          |  |
| 15                         | 64QAM      | 36      | 20        | 18.86                 | 18.89                  | 18.90                  | 20                  | 3        |  |
| 15                         | 64QAM      | 36      | 39        | 18.89                 | 18.84                  | 18.96                  |                     |          |  |
| 15                         | 64QAM      | 75      | 0         | 18.84                 | 18.83                  | 18.92                  | 21                  | 2        |  |
| Channel                    |            |         |           | 26740                 | 26865                  | 26960                  |                     |          |  |
| Frequency (MHz)            |            |         |           | 819                   | 831.5                  | 844                    | Tune-up limit (dBm) | MPR (dB) |  |
| 10                         | QPSK       | 1       | 0         | 21.70                 | 21.71                  | 21.74                  | 23                  | 0        |  |
| 10                         | QPSK       | 1       | 25        | 21.56                 | 21.67                  | 21.72                  |                     |          |  |
| 10                         | QPSK       | 1       | 49        | 21.58                 | 21.59                  | 21.56                  | 22                  | 1        |  |
| 10                         | QPSK       | 25      | 0         | 20.74                 | 20.75                  | 20.78                  |                     |          |  |
| 10                         | QPSK       | 25      | 12        | 20.64                 | 20.72                  | 20.79                  | 22                  | 1        |  |
| 10                         | QPSK       | 25      | 25        | 20.66                 | 20.78                  | 20.79                  |                     |          |  |
| 10                         | QPSK       | 50      | 0         | 20.63                 | 20.66                  | 20.79                  | 22                  | 1        |  |
| 10                         | 16QAM      | 1       | 0         | 20.98                 | 20.88                  | 21.03                  |                     |          |  |
| 10                         | 16QAM      | 1       | 25        | 20.91                 | 20.97                  | 20.99                  | 22                  | 1        |  |
| 10                         | 16QAM      | 1       | 49        | 20.97                 | 20.92                  | 20.94                  |                     |          |  |
| 10                         | 16QAM      | 25      | 0         | 19.75                 | 19.74                  | 19.83                  | 21                  | 2        |  |
| 10                         | 16QAM      | 25      | 12        | 19.76                 | 19.74                  | 19.73                  |                     |          |  |
| 10                         | 16QAM      | 25      | 25        | 19.77                 | 19.82                  | 19.82                  | 21                  | 2        |  |
| 10                         | 16QAM      | 50      | 0         | 19.78                 | 19.83                  | 19.87                  |                     |          |  |
| 10                         | 64QAM      | 1       | 0         | 19.85                 | 19.74                  | 19.89                  | 21                  | 2        |  |
| 10                         | 64QAM      | 1       | 25        | 19.74                 | 19.85                  | 19.96                  |                     |          |  |
| 10                         | 64QAM      | 1       | 49        | 19.92                 | 19.95                  | 19.92                  | 20                  | 3        |  |
| 10                         | 64QAM      | 25      | 0         | 18.82                 | 18.74                  | 18.83                  |                     |          |  |
| 10                         | 64QAM      | 25      | 12        | 18.76                 | 18.82                  | 18.85                  | 20                  | 3        |  |
| 10                         | 64QAM      | 25      | 25        | 18.86                 | 18.94                  | 18.90                  |                     |          |  |
| 10                         | 64QAM      | 50      | 0         | 18.76                 | 18.77                  | 18.92                  | 21                  | 2        |  |
| Channel                    |            |         |           | 26715                 | 26865                  | 27015                  |                     |          |  |
| Frequency (MHz)            |            |         |           | 816.5                 | 831.5                  | 846.5                  | Tune-up limit (dBm) | MPR (dB) |  |
| 5                          | QPSK       | 1       | 0         | 21.62                 | 21.64                  | 21.76                  | 23                  | 0        |  |
| 5                          | QPSK       | 1       | 12        | 21.52                 | 21.66                  | 21.66                  |                     |          |  |
| 5                          | QPSK       | 1       | 24        | 21.57                 | 21.61                  | 21.59                  | 22                  | 1        |  |
| 5                          | QPSK       | 12      | 0         | 20.75                 | 20.79                  | 20.84                  |                     |          |  |
| 5                          | QPSK       | 12      | 7         | 20.64                 | 20.72                  | 20.83                  | 22                  | 1        |  |
| 5                          | QPSK       | 12      | 13        | 20.69                 | 20.72                  | 20.80                  |                     |          |  |
| 5                          | QPSK       | 25      | 0         | 20.62                 | 20.63                  | 20.81                  | 22                  | 1        |  |
| 5                          | 16QAM      | 1       | 0         | 20.98                 | 20.95                  | 21.04                  |                     |          |  |
| 5                          | 16QAM      | 1       | 12        | 20.86                 | 20.96                  | 21.07                  | 22                  | 1        |  |
| 5                          | 16QAM      | 1       | 24        | 20.90                 | 20.94                  | 20.93                  |                     |          |  |
| 5                          | 16QAM      | 12      | 0         | 19.72                 | 19.78                  | 19.91                  | 21                  | 2        |  |
| 5                          | 16QAM      | 12      | 7         | 19.75                 | 19.80                  | 19.83                  |                     |          |  |
| 5                          | 16QAM      | 12      | 13        | 19.84                 | 19.80                  | 19.86                  | 21                  | 2        |  |
| 5                          | 16QAM      | 25      | 0         | 19.78                 | 19.73                  | 19.78                  |                     |          |  |
| 5                          | 64QAM      | 1       | 0         | 19.77                 | 19.72                  | 19.87                  | 21                  | 2        |  |
| 5                          | 64QAM      | 1       | 12        | 19.77                 | 19.90                  | 19.89                  |                     |          |  |
| 5                          | 64QAM      | 1       | 24        | 19.92                 | 19.93                  | 19.75                  | 20                  | 3        |  |
| 5                          | 64QAM      | 12      | 0         | 19.80                 | 19.73                  | 19.84                  |                     |          |  |
| 5                          | 64QAM      | 12      | 7         | 19.76                 | 19.83                  | 19.87                  | 20                  | 3        |  |
| 5                          | 64QAM      | 12      | 13        | 19.87                 | 19.90                  | 19.86                  |                     |          |  |
| 5                          | 64QAM      | 25      | 0         | 19.79                 | 19.79                  | 19.81                  | 21                  | 2        |  |
| Channel                    |            |         |           | 26705                 | 26865                  | 27025                  |                     |          |  |
| Frequency (MHz)            |            |         |           | 815.5                 | 831.5                  | 847.5                  | Tune-up limit (dBm) | MPR (dB) |  |
| 3                          | QPSK       | 1       | 0         | 21.62                 | 21.67                  | 21.66                  | 23                  | 0        |  |
| 3                          | QPSK       | 1       | 8         | 21.55                 | 21.65                  | 21.69                  |                     |          |  |
| 3                          | QPSK       | 1       | 16        | 21.61                 | 21.53                  | 21.64                  | 22                  | 1        |  |
| 3                          | QPSK       | 8       | 0         | 20.76                 | 20.78                  | 20.86                  |                     |          |  |
| 3                          | QPSK       | 8       | 4         | 20.64                 | 20.72                  | 20.73                  | 22                  | 1        |  |
| 3                          | QPSK       | 8       | 7         | 20.67                 | 20.74                  | 20.86                  |                     |          |  |
| 3                          | QPSK       | 16      | 0         | 20.64                 | 20.70                  | 20.85                  | 22                  | 1        |  |
| 3                          | 16QAM      | 1       | 0         | 20.99                 | 20.93                  | 21.02                  |                     |          |  |
| 3                          | 16QAM      | 1       | 8         | 20.86                 | 20.97                  | 20.99                  | 22                  | 1        |  |
| 3                          | 16QAM      | 1       | 14        | 20.99                 | 20.96                  | 20.93                  |                     |          |  |
| 3                          | 16QAM      | 8       | 0         | 19.74                 | 19.75                  | 19.82                  | 21                  | 2        |  |
| 3                          | 16QAM      | 8       | 4         | 19.71                 | 19.72                  | 19.73                  |                     |          |  |
| 3                          | 16QAM      | 8       | 7         | 19.77                 | 19.83                  | 19.82                  | 21                  | 2        |  |
| 3                          | 16QAM      | 15      | 0         | 19.79                 | 19.83                  | 19.83                  |                     |          |  |
| 3                          | 64QAM      | 1       | 0         | 19.83                 | 19.79                  | 19.89                  | 21                  | 2        |  |
| 3                          | 64QAM      | 1       | 8         | 19.72                 | 19.84                  | 19.92                  |                     |          |  |
| 3                          | 64QAM      | 1       | 14        | 19.87                 | 19.96                  | 19.75                  | 20                  | 3        |  |
| 3                          | 64QAM      | 8       | 0         | 19.78                 | 19.74                  | 19.84                  |                     |          |  |
| 3                          | 64QAM      | 8       | 4         | 19.78                 | 19.86                  | 19.83                  | 20                  | 3        |  |
| 3                          | 64QAM      | 8       | 7         | 19.83                 | 19.90                  | 19.93                  |                     |          |  |
| 3                          | 64QAM      | 15      | 0         | 19.80                 | 19.73                  | 19.90                  | 21                  | 2        |  |
| Channel                    |            |         |           | 26997                 | 26865                  | 27033                  |                     |          |  |
| Frequency (MHz)            |            |         |           | 814.7                 | 831.5                  | 848.3                  | Tune-up limit (dBm) | MPR (dB) |  |
| 1.4                        | QPSK       | 1       | 0         | 21.64                 | 21.71                  | 21.68                  | 23                  | 0        |  |
| 1.4                        | QPSK       | 1       | 3         | 21.51                 | 21.66                  | 21.65                  |                     |          |  |
| 1.4                        | QPSK       | 1       | 5         | 21.52                 | 21.60                  | 21.65                  | 22                  | 1        |  |
| 1.4                        | QPSK       | 3       | 0         | 21.61                 | 21.69                  | 21.75                  |                     |          |  |
| 1.4                        | QPSK       | 3       | 1         | 21.58                 | 21.66                  | 21.65                  | 22                  | 1        |  |
| 1.4                        | QPSK       | 3       | 3         | 21.60                 | 21.53                  | 21.66                  |                     |          |  |
| 1.4                        | QPSK       | 6       | 0         | 20.64                 | 20.72                  | 20.83                  | 22                  | 1        |  |
| 1.4                        | 16QAM      | 1       | 0         | 21.01                 | 20.85                  | 21.04                  |                     |          |  |
| 1.4                        | 16QAM      | 1       | 3         | 20.84                 | 20.91                  | 21.04                  | 22                  | 1        |  |
| 1.4                        | 16QAM      | 1       | 5         | 20.94                 | 20.95                  | 20.94                  |                     |          |  |
| 1.4                        | 16QAM      | 3       | 0         | 21.04                 | 20.95                  | 21.02                  | 22                  | 1        |  |
| 1.4                        | 16QAM      | 3       | 1         | 20.87                 | 20.95                  | 21.03                  |                     |          |  |
| 1.4                        | 16QAM      | 3       | 3         | 20.91                 | 20.92                  | 20.87                  | 21                  | 2        |  |
| 1.4                        | 16QAM      | 6       | 0         | 19.74                 | 19.83                  | 19.80                  |                     |          |  |
| 1.4                        | 64QAM      | 1       | 0         | 19.83                 | 19.75                  | 19.94                  | 21                  | 2        |  |
| 1.4                        | 64QAM      | 1       | 3         | 19.79                 | 19.89                  | 19.97                  |                     |          |  |
| 1.4                        | 64QAM      | 1       | 5         | 19.88                 | 19.96                  | 19.78                  | 21                  | 2        |  |
| 1.4                        | 64QAM      | 3       | 0         | 19.75                 | 19.77                  | 19.89                  |                     |          |  |
| 1.4                        | 64QAM      | 3       | 1         | 19.76                 | 19.78                  | 19.80                  | 20                  | 3        |  |
| 1.4                        | 64QAM      | 3       | 3         | 19.85                 | 19.78                  | 19.85                  |                     |          |  |
| 1.4                        | 64QAM      | 6       | 0         | 18.82                 | 18.83                  | 18.88                  | 20                  | 3        |  |

| Band 66_Ant 1 DSI 2&4&6&8&5 |            |         |           |                       |                          |                        |                     |          |  |
|-----------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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                     |            |         |           | 13012                 | 13022                    | 13072                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 1720                  | 1745                     | 1770                   |                     |          |  |
| 20                          | QPSK       | 1       | 0         | 22.88                 | 22.87                    | 22.82                  | 24                  | 0        |  |
| 20                          | QPSK       | 1       | 49        | 22.76                 | 22.71                    | 22.69                  |                     |          |  |
| 20                          | QPSK       | 1       |           |                       |                          |                        |                     |          |  |



| Band 66_Ant2 DSI 2&4&6&8                                                                                                                                                                                                                                                                                |            |         |           |                       |                          |                        |                     |          |  |  |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|--|--|--|
| BW (MHz)                                                                                                                                                                                                                                                                                                | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |  |  |  |
| Channel                                                                                                                                                                                                                                                                                                 |            |         |           |                       |                          |                        |                     |          |  |  |  |  |
| Frequency (MHz)                                                                                                                                                                                                                                                                                         |            |         |           |                       |                          |                        |                     |          |  |  |  |  |
| 20                                                                                                                                                                                                                                                                                                      | QPSK       | 1       | 0         | 20.92                 | 20.87                    | 20.78                  | 22                  | 0        |  |  |  |  |
| 20                                                                                                                                                                                                                                                                                                      | QPSK       | 1       | 49        | 20.80                 | 20.69                    | 20.62                  |                     |          |  |  |  |  |
| 20                                                                                                                                                                                                                                                                                                      | QPSK       | 1       | 99        | 20.75                 | 20.65                    | 20.51                  | 21                  | 1        |  |  |  |  |
| 20                                                                                                                                                                                                                                                                                                      | QPSK       | 50      | 0         | 20.06                 | 20.01                    | 19.81                  |                     |          |  |  |  |  |
| 20                                                                                                                                                                                                                                                                                                      | QPSK       | 50      | 24        | 19.99                 | 19.85                    | 19.72                  | 21                  | 1        |  |  |  |  |
| 20                                                                                                                                                                                                                                                                                                      | QPSK       | 50      | 50        | 19.94                 | 19.86                    | 19.72                  |                     |          |  |  |  |  |
| 20                                                                                                                                                                                                                                                                                                      | QPSK       | 100     | 0         | 19.98                 | 19.81                    | 19.73                  | 21                  | 1        |  |  |  |  |
| 20                                                                                                                                                                                                                                                                                                      | 16QAM      | 1       | 0         | 20.29                 | 20.26                    | 20.13                  |                     |          |  |  |  |  |
| 20                                                                                                                                                                                                                                                                                                      | 16QAM      | 1       | 49        | 20.16                 | 20.00                    | 20.00                  | 20                  | 2        |  |  |  |  |
| 20                                                                                                                                                                                                                                                                                                      | 16QAM      | 1       | 99        | 20.06                 | 19.96                    | 19.85                  |                     |          |  |  |  |  |
| 20                                                                                                                                                                                                                                                                                                      | 16QAM      | 50      | 0         | 18.95                 | 18.90                    | 18.82                  | 20                  | 2        |  |  |  |  |
| 20                                                                                                                                                                                                                                                                                                      | 16QAM      | 50      | 24        | 19.02                 | 18.86                    | 18.79                  |                     |          |  |  |  |  |
| 20                                                                                                                                                                                                                                                                                                      | 16QAM      | 50      | 50        | 18.93                 | 18.85                    | 18.75                  | 20                  | 2        |  |  |  |  |
| 20                                                                                                                                                                                                                                                                                                      | 16QAM      | 100     | 0         | 18.88                 | 18.82                    | 18.75                  |                     |          |  |  |  |  |
| 20                                                                                                                                                                                                                                                                                                      | 64QAM      | 1       | 0         | 19.13                 | 19.07                    | 19.04                  | 20                  | 2        |  |  |  |  |
| 20                                                                                                                                                                                                                                                                                                      | 64QAM      | 1       | 49        | 19.07                 | 18.95                    | 18.85                  |                     |          |  |  |  |  |
| 20                                                                                                                                                                                                                                                                                                      | 64QAM      | 1       | 99        | 18.94                 | 18.97                    | 18.87                  | 19                  | 3        |  |  |  |  |
| 20                                                                                                                                                                                                                                                                                                      | 64QAM      | 50      | 0         | 17.98                 | 17.93                    | 17.88                  |                     |          |  |  |  |  |
| 20                                                                                                                                                                                                                                                                                                      | 64QAM      | 50      | 24        | 18.03                 | 17.86                    | 17.82                  | 20                  | 2        |  |  |  |  |
| 20                                                                                                                                                                                                                                                                                                      | 64QAM      | 50      | 50        | 17.96                 | 17.87                    | 17.77                  |                     |          |  |  |  |  |
| 20                                                                                                                                                                                                                                                                                                      | 64QAM      | 100     | 0         | 18.03                 | 17.86                    | 17.78                  | 22                  | 0        |  |  |  |  |
| Channel <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td>         |            |         |           |                       |                          |                        |                     |          |  |  |  |  |
| Frequency (MHz) <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> |            |         |           |                       |                          |                        |                     |          |  |  |  |  |
| 15                                                                                                                                                                                                                                                                                                      | QPSK       | 1       | 0         | 20.85                 | 20.85                    | 20.70                  | 22                  | 0        |  |  |  |  |
| 15                                                                                                                                                                                                                                                                                                      | QPSK       | 1       | 37        | 20.74                 | 20.69                    | 20.59                  |                     |          |  |  |  |  |
| 15                                                                                                                                                                                                                                                                                                      | QPSK       | 1       | 74        | 20.67                 | 20.60                    | 20.41                  | 21                  | 1        |  |  |  |  |
| 15                                                                                                                                                                                                                                                                                                      | QPSK       | 36      | 0         | 20.01                 | 19.95                    | 19.75                  |                     |          |  |  |  |  |
| 15                                                                                                                                                                                                                                                                                                      | QPSK       | 36      | 20        | 19.95                 | 19.78                    | 19.64                  | 21                  | 1        |  |  |  |  |
| 15                                                                                                                                                                                                                                                                                                      | QPSK       | 36      | 39        | 19.94                 | 19.77                    | 19.70                  |                     |          |  |  |  |  |
| 15                                                                                                                                                                                                                                                                                                      | QPSK       | 75      | 0         | 19.90                 | 19.73                    | 19.69                  | 21                  | 1        |  |  |  |  |
| 15                                                                                                                                                                                                                                                                                                      | 16QAM      | 1       | 0         | 20.20                 | 20.25                    | 20.07                  |                     |          |  |  |  |  |
| 15                                                                                                                                                                                                                                                                                                      | 16QAM      | 1       | 37        | 20.14                 | 20.05                    | 19.96                  | 20                  | 2        |  |  |  |  |
| 15                                                                                                                                                                                                                                                                                                      | 16QAM      | 1       | 74        | 20.06                 | 19.94                    | 19.79                  |                     |          |  |  |  |  |
| 15                                                                                                                                                                                                                                                                                                      | 16QAM      | 36      | 0         | 18.90                 | 18.81                    | 18.75                  | 19                  | 3        |  |  |  |  |
| 15                                                                                                                                                                                                                                                                                                      | 16QAM      | 36      | 20        | 19.01                 | 18.81                    | 18.78                  |                     |          |  |  |  |  |
| 15                                                                                                                                                                                                                                                                                                      | 16QAM      | 36      | 39        | 18.89                 | 18.76                    | 18.66                  | 20                  | 2        |  |  |  |  |
| 15                                                                                                                                                                                                                                                                                                      | 16QAM      | 75      | 0         | 18.92                 | 18.80                    | 18.71                  |                     |          |  |  |  |  |
| 15                                                                                                                                                                                                                                                                                                      | 64QAM      | 1       | 0         | 19.03                 | 19.00                    | 18.95                  | 21                  | 1        |  |  |  |  |
| 15                                                                                                                                                                                                                                                                                                      | 64QAM      | 1       | 37        | 18.96                 | 18.85                    | 18.75                  |                     |          |  |  |  |  |
| 15                                                                                                                                                                                                                                                                                                      | 64QAM      | 1       | 74        | 18.86                 | 18.85                    | 18.69                  | 20                  | 2        |  |  |  |  |
| 15                                                                                                                                                                                                                                                                                                      | 64QAM      | 36      | 0         | 17.96                 | 17.86                    | 17.80                  |                     |          |  |  |  |  |
| 15                                                                                                                                                                                                                                                                                                      | 64QAM      | 36      | 20        | 17.99                 | 17.88                    | 17.80                  | 19                  | 3        |  |  |  |  |
| 15                                                                                                                                                                                                                                                                                                      | 64QAM      | 36      | 39        | 17.87                 | 17.85                    | 17.67                  |                     |          |  |  |  |  |
| 15                                                                                                                                                                                                                                                                                                      | 64QAM      | 75      | 0         | 17.99                 | 17.77                    | 17.71                  | 22                  | 0        |  |  |  |  |
| Channel <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td>         |            |         |           |                       |                          |                        |                     |          |  |  |  |  |
| Frequency (MHz) <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> |            |         |           |                       |                          |                        |                     |          |  |  |  |  |
| 10                                                                                                                                                                                                                                                                                                      | QPSK       | 1       | 0         | 20.84                 | 20.86                    | 20.73                  | 22                  | 0        |  |  |  |  |
| 10                                                                                                                                                                                                                                                                                                      | QPSK       | 1       | 25        | 20.75                 | 20.64                    | 20.56                  |                     |          |  |  |  |  |
| 10                                                                                                                                                                                                                                                                                                      | QPSK       | 1       | 49        | 20.73                 | 20.55                    | 20.41                  | 21                  | 1        |  |  |  |  |
| 10                                                                                                                                                                                                                                                                                                      | QPSK       | 25      | 0         | 19.99                 | 19.96                    | 19.77                  |                     |          |  |  |  |  |
| 10                                                                                                                                                                                                                                                                                                      | QPSK       | 25      | 13        | 19.95                 | 19.87                    | 19.69                  | 21                  | 1        |  |  |  |  |
| 10                                                                                                                                                                                                                                                                                                      | QPSK       | 25      | 25        | 19.88                 | 19.84                    | 19.67                  |                     |          |  |  |  |  |
| 10                                                                                                                                                                                                                                                                                                      | QPSK       | 50      | 0         | 19.97                 | 19.78                    | 19.66                  | 21                  | 1        |  |  |  |  |
| 10                                                                                                                                                                                                                                                                                                      | 16QAM      | 1       | 0         | 20.23                 | 20.23                    | 20.12                  |                     |          |  |  |  |  |
| 10                                                                                                                                                                                                                                                                                                      | 16QAM      | 1       | 25        | 20.16                 | 20.06                    | 19.99                  | 20                  | 2        |  |  |  |  |
| 10                                                                                                                                                                                                                                                                                                      | 16QAM      | 1       | 49        | 20.04                 | 19.95                    | 19.75                  |                     |          |  |  |  |  |
| 10                                                                                                                                                                                                                                                                                                      | 16QAM      | 25      | 0         | 18.88                 | 18.86                    | 18.81                  | 20                  | 2        |  |  |  |  |
| 10                                                                                                                                                                                                                                                                                                      | 16QAM      | 25      | 12        | 19.00                 | 18.83                    | 18.74                  |                     |          |  |  |  |  |
| 10                                                                                                                                                                                                                                                                                                      | 16QAM      | 25      | 25        | 18.92                 | 18.79                    | 18.65                  | 20                  | 2        |  |  |  |  |
| 10                                                                                                                                                                                                                                                                                                      | 16QAM      | 50      | 0         | 18.89                 | 18.78                    | 18.74                  |                     |          |  |  |  |  |
| 10                                                                                                                                                                                                                                                                                                      | 64QAM      | 1       | 0         | 19.09                 | 18.97                    | 19.01                  | 19                  | 3        |  |  |  |  |
| 10                                                                                                                                                                                                                                                                                                      | 64QAM      | 1       | 25        | 18.97                 | 18.91                    | 18.79                  |                     |          |  |  |  |  |
| 10                                                                                                                                                                                                                                                                                                      | 64QAM      | 1       | 49        | 18.89                 | 18.83                    | 18.68                  | 20                  | 2        |  |  |  |  |
| 10                                                                                                                                                                                                                                                                                                      | 64QAM      | 25      | 0         | 17.98                 | 17.91                    | 17.77                  |                     |          |  |  |  |  |
| 10                                                                                                                                                                                                                                                                                                      | 64QAM      | 25      | 12        | 18.01                 | 17.86                    | 17.81                  | 19                  | 3        |  |  |  |  |
| 10                                                                                                                                                                                                                                                                                                      | 64QAM      | 25      | 25        | 17.86                 | 17.83                    | 17.74                  |                     |          |  |  |  |  |
| 10                                                                                                                                                                                                                                                                                                      | 64QAM      | 50      | 0         | 17.83                 | 17.76                    | 17.72                  | 22                  | 0        |  |  |  |  |
| Channel <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td>         |            |         |           |                       |                          |                        |                     |          |  |  |  |  |
| Frequency (MHz) <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> |            |         |           |                       |                          |                        |                     |          |  |  |  |  |
| 5                                                                                                                                                                                                                                                                                                       | QPSK       | 1       | 0         | 20.86                 | 20.79                    | 20.68                  | 22                  | 0        |  |  |  |  |
| 5                                                                                                                                                                                                                                                                                                       | QPSK       | 1       | 12        | 20.78                 | 20.67                    | 20.57                  |                     |          |  |  |  |  |
| 5                                                                                                                                                                                                                                                                                                       | QPSK       | 1       | 24        | 20.71                 | 20.67                    | 20.57                  | 21                  | 1        |  |  |  |  |
| 5                                                                                                                                                                                                                                                                                                       | QPSK       | 12      | 0         | 20.01                 | 19.97                    | 19.78                  |                     |          |  |  |  |  |
| 5                                                                                                                                                                                                                                                                                                       | QPSK       | 12      | 7         | 19.90                 | 19.84                    | 19.68                  | 21                  | 1        |  |  |  |  |
| 5                                                                                                                                                                                                                                                                                                       | QPSK       | 12      | 13        | 19.83                 | 19.83                    | 19.71                  |                     |          |  |  |  |  |
| 5                                                                                                                                                                                                                                                                                                       | QPSK       | 25      | 0         | 19.96                 | 19.73                    | 19.69                  | 21                  | 1        |  |  |  |  |
| 5                                                                                                                                                                                                                                                                                                       | 16QAM      | 1       | 0         | 20.21                 | 20.23                    | 20.06                  |                     |          |  |  |  |  |
| 5                                                                                                                                                                                                                                                                                                       | 16QAM      | 1       | 12        | 20.06                 | 19.99                    | 19.98                  | 20                  | 2        |  |  |  |  |
| 5                                                                                                                                                                                                                                                                                                       | 16QAM      | 1       | 24        | 19.97                 | 19.89                    | 19.79                  |                     |          |  |  |  |  |
| 5                                                                                                                                                                                                                                                                                                       | 16QAM      | 12      | 0         | 18.90                 | 18.80                    | 18.80                  | 20                  | 2        |  |  |  |  |
| 5                                                                                                                                                                                                                                                                                                       | 16QAM      | 12      | 7         | 19.01                 | 18.86                    | 18.77                  |                     |          |  |  |  |  |
| 5                                                                                                                                                                                                                                                                                                       | 16QAM      | 12      | 13        | 18.98                 | 18.79                    | 18.72                  | 20                  | 2        |  |  |  |  |
| 5                                                                                                                                                                                                                                                                                                       | 16QAM      | 25      | 0         | 18.88                 | 18.75                    | 18.70                  |                     |          |  |  |  |  |
| 5                                                                                                                                                                                                                                                                                                       | 64QAM      | 1       | 0         | 19.13                 | 19.07                    | 18.98                  | 19                  | 3        |  |  |  |  |
| 5                                                                                                                                                                                                                                                                                                       | 64QAM      | 1       | 12        | 19.00                 | 18.91                    | 18.78                  |                     |          |  |  |  |  |
| 5                                                                                                                                                                                                                                                                                                       | 64QAM      | 1       | 24        | 18.88                 | 18.89                    | 18.71                  | 20                  | 2        |  |  |  |  |
| 5                                                                                                                                                                                                                                                                                                       | 64QAM      | 12      | 0         | 17.96                 | 17.91                    | 17.78                  |                     |          |  |  |  |  |
| 5                                                                                                                                                                                                                                                                                                       | 64QAM      | 12      | 7         | 17.98                 | 17.82                    | 17.81                  | 19                  | 3        |  |  |  |  |
| 5                                                                                                                                                                                                                                                                                                       | 64QAM      | 12      | 13        | 17.87                 | 17.86                    | 17.69                  |                     |          |  |  |  |  |
| 5                                                                                                                                                                                                                                                                                                       | 64QAM      | 25      | 0         | 17.97                 | 17.76                    | 17.78                  | 22                  | 0        |  |  |  |  |
| Channel <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td>         |            |         |           |                       |                          |                        |                     |          |  |  |  |  |
| Frequency (MHz) <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> |            |         |           |                       |                          |                        |                     |          |  |  |  |  |
| 3                                                                                                                                                                                                                                                                                                       | QPSK       | 1       | 0         | 20.86                 | 20.86                    | 20.75                  | 22                  | 0        |  |  |  |  |
| 3                                                                                                                                                                                                                                                                                                       | QPSK       | 1       | 8         | 20.77                 | 20.66                    | 20.62                  |                     |          |  |  |  |  |
| 3                                                                                                                                                                                                                                                                                                       | QPSK       | 1       | 14        | 20.65                 | 20.63                    | 20.51                  | 21                  | 1        |  |  |  |  |
| 3                                                                                                                                                                                                                                                                                                       | QPSK       | 8       | 0         | 19.96                 | 19.94                    | 19.76                  |                     |          |  |  |  |  |
| 3                                                                                                                                                                                                                                                                                                       | QPSK       | 8       | 4         | 19.99                 | 19.84                    | 19.68                  | 21                  | 1        |  |  |  |  |
| 3                                                                                                                                                                                                                                                                                                       | QPSK       | 8       | 7         | 19.90                 | 19.79                    | 19.70                  |                     |          |  |  |  |  |
| 3                                                                                                                                                                                                                                                                                                       | QPSK       | 15      | 0         | 19.90                 | 19.79                    | 19.72                  | 21                  | 1        |  |  |  |  |
| 3                                                                                                                                                                                                                                                                                                       | 16QAM      | 1       | 0         | 20.20                 | 20.19                    | 20.09                  |                     |          |  |  |  |  |
| 3                                                                                                                                                                                                                                                                                                       | 16QAM      | 1       | 8         | 20.09                 | 19.99                    | 19.93                  | 20                  | 2        |  |  |  |  |
| 3                                                                                                                                                                                                                                                                                                       | 16QAM      | 1       | 14        | 20.05                 | 19.96                    | 19.78                  |                     |          |  |  |  |  |
| 3                                                                                                                                                                                                                                                                                                       | 16QAM      | 8       | 0         | 18.93                 | 18.83                    | 18.77                  | 20                  | 2        |  |  |  |  |
| 3                                                                                                                                                                                                                                                                                                       | 16QAM      | 8       | 4         | 18.97                 | 18.84                    | 18.78                  |                     |          |  |  |  |  |
| 3                                                                                                                                                                                                                                                                                                       | 16QAM      | 8       | 7         | 18.89                 | 18.78                    | 18.72                  | 19                  | 3        |  |  |  |  |
| 3                                                                                                                                                                                                                                                                                                       | 64QAM      | 1       | 0         | 19.05                 | 19.01                    | 19.00                  |                     |          |  |  |  |  |
| 3                                                                                                                                                                                                                                                                                                       | 64QAM      | 1       | 8         | 18.98                 | 18.89                    | 18.77                  | 20                  | 2        |  |  |  |  |
| 3                                                                                                                                                                                                                                                                                                       | 64QAM      | 1       | 14        | 18.94                 | 18.82                    | 18.74                  |                     |          |  |  |  |  |
| 3                                                                                                                                                                                                                                                                                                       | 64QAM      | 8       | 0         | 17.96                 | 17.86                    | 17.83                  | 19                  | 3        |  |  |  |  |

| Model 10, JAN 01-05 2004 |           |         |      |            |                    |                    |                    |                    |                    |
|--------------------------|-----------|---------|------|------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Year                     | Month     | Revenue | EB E | EB E (Adj) | Revenue (C) (7-10) | Revenue (C) (7-10) | Revenue (C) (7-10) | Revenue (C) (7-10) | Revenue (C) (7-10) |
| Franchise (Model)        |           |         |      |            |                    |                    |                    |                    |                    |
| 20                       | FRANCHISE | 1       | 0    | 22,571     | 22,571             | 22,571             | 22,571             | 22,571             |                    |
| 20                       | FRANCHISE | 1       | 40   | 22,585     | 22,585             | 22,579             | 22,579             | 22,579             | 23                 |
| 20                       | FRANCHISE | 1       | 80   | 22,599     | 22,599             | 22,593             | 22,593             | 22,593             | 23                 |
| 20                       | FRANCHISE | 1       | 120  | 22,613     | 22,613             | 22,607             | 22,607             | 22,607             | 23                 |
| 20                       | FRANCHISE | 1       | 160  | 22,627     | 22,627             | 22,621             | 22,621             | 22,621             | 23                 |
| 20                       | FRANCHISE | 1       | 200  | 22,641     | 22,641             | 22,635             | 22,635             | 22,635             | 23                 |
| 20                       | FRANCHISE | 1       | 240  | 22,655     | 22,655             | 22,649             | 22,649             | 22,649             | 23                 |
| 20                       | FRANCHISE | 1       | 280  | 22,669     | 22,669             | 22,663             | 22,663             | 22,663             | 23                 |
| 20                       | FRANCHISE | 1       | 320  | 22,683     | 22,683             | 22,677             | 22,677             | 22,677             | 23                 |
| 20                       | FRANCHISE | 1       | 360  | 22,697     | 22,697             | 22,691             | 22,691             | 22,691             | 23                 |
| 20                       | FRANCHISE | 1       | 400  | 22,711     | 22,711             | 22,705             | 22,705             | 22,705             | 23                 |
| 20                       | FRANCHISE | 1       | 440  | 22,725     | 22,725             | 22,719             | 22,719             | 22,719             | 23                 |
| 20                       | FRANCHISE | 1       | 480  | 22,739     | 22,739             | 22,733             | 22,733             | 22,733             | 23                 |
| 20                       | FRANCHISE | 1       | 520  | 22,753     | 22,753             | 22,747             | 22,747             | 22,747             | 23                 |
| 20                       | FRANCHISE | 1       | 560  | 22,767     | 22,767             | 22,761             | 22,761             | 22,761             | 23                 |
| 20                       | FRANCHISE | 1       | 600  | 22,781     | 22,781             | 22,775             | 22,775             | 22,775             | 23                 |
| 20                       | FRANCHISE | 1       | 640  | 22,795     | 22,795             | 22,789             | 22,789             | 22,789             | 23                 |
| 20                       | FRANCHISE | 1       | 680  | 22,809     | 22,809             | 22,803             | 22,803             | 22,803             | 23                 |
| 20                       | FRANCHISE | 1       | 720  | 22,823     | 22,823             | 22,817             | 22,817             | 22,817             | 23                 |
| 20                       | FRANCHISE | 1       | 760  | 22,837     | 22,837             | 22,831             | 22,831             | 22,831             | 23                 |
| 20                       | FRANCHISE | 1       | 800  | 22,851     | 22,851             | 22,845             | 22,845             | 22,845             | 23                 |
| 20                       | FRANCHISE | 1       | 840  | 22,865     | 22,865             | 22,859             | 22,859             | 22,859             | 23                 |
| 20                       | FRANCHISE | 1       | 880  | 22,879     | 22,879             | 22,873             | 22,873             | 22,873             | 23                 |
| 20                       | FRANCHISE | 1       | 920  | 22,893     | 22,893             | 22,887             | 22,887             | 22,887             | 23                 |
| 20                       | FRANCHISE | 1       | 960  | 22,907     | 22,907             | 22,901             | 22,901             | 22,901             | 23                 |
| 20                       | FRANCHISE | 1       | 1000 | 22,921     | 22,921             | 22,915             | 22,915             | 22,915             | 23                 |
| 20                       | FRANCHISE | 1       | 1040 | 22,935     | 22,935             | 22,929             | 22,929             | 22,929             | 23                 |
| 20                       | FRANCHISE | 1       | 1080 | 22,949     | 22,949             | 22,943             | 22,943             | 22,943             | 23                 |
| 20                       | FRANCHISE | 1       | 1120 | 22,963     | 22,963             | 22,957             | 22,957             | 22,957             | 23                 |
| 20                       | FRANCHISE | 1       | 1160 | 22,977     | 22,977             | 22,971             | 22,971             | 22,971             | 23                 |
| 20                       | FRANCHISE | 1       | 1200 | 22,991     | 22,991             | 22,985             | 22,985             | 22,985             | 23                 |
| 20                       | FRANCHISE | 1       | 1240 | 23,005     | 23,005             | 23,000             | 23,000             | 23,000             | 23                 |
| 20                       | FRANCHISE | 1       | 1280 | 23,019     | 23,019             | 23,013             | 23,013             | 23,013             | 23                 |
| 20                       | FRANCHISE | 1       | 1320 | 23,033     | 23,033             | 23,027             | 23,027             | 23,027             | 23                 |
| 20                       | FRANCHISE | 1       | 1360 | 23,047     | 23,047             | 23,041             | 23,041             | 23,041             | 23                 |
| 20                       | FRANCHISE | 1       | 1400 | 23,061     | 23,061             | 23,055             | 23,055             | 23,055             | 23                 |
| 20                       | FRANCHISE | 1       | 1440 | 23,075     | 23,075             | 23,069             | 23,069             | 23,069             | 23                 |
| 20                       | FRANCHISE | 1       | 1480 | 23,089     | 23,089             | 23,083             | 23,083             | 23,083             | 23                 |
| 20                       | FRANCHISE | 1       | 1520 | 23,103     | 23,103             | 23,097             | 23,097             | 23,097             | 23                 |
| 20                       | FRANCHISE | 1       | 1560 | 23,117     | 23,117             | 23,111             | 23                 |                    |                    |

[illegible]

| Model and Performance Metrics               |              |            |            |        |                       |       |        |      |                          |       |        |       |              |              |
|---------------------------------------------|--------------|------------|------------|--------|-----------------------|-------|--------|------|--------------------------|-------|--------|-------|--------------|--------------|
| Model ID                                    | Architecture | Model Size | Batch Size | Epochs | Training Time (Hours) |       |        |      | Inference Time (Seconds) |       |        |       | Accuracy (%) | Loss (Value) |
|                                             |              |            |            |        | Local                 | Cloud | Hybrid | Edge | Local                    | Cloud | Hybrid | Edge  |              |              |
| Phase 1: Initial Model Training             |              |            |            |        |                       |       |        |      |                          |       |        |       |              |              |
| M1                                          | ResNet-50    | 5          | 32         | 100    | 12.5                  | 18.0  | 15.0   | 10.0 | 0.05                     | 0.10  | 0.07   | 0.03  | 92           | 0.02         |
| M2                                          | EfficientNet | 1          | 64         | 150    | 10.0                  | 15.0  | 12.0   | 8.0  | 0.03                     | 0.08  | 0.05   | 0.02  |              |              |
| M3                                          | MobileNet    | 3          | 48         | 120    | 11.0                  | 16.0  | 13.0   | 9.0  | 0.04                     | 0.09  | 0.06   | 0.03  |              |              |
| M4                                          | ShuffleNet   | 2          | 56         | 110    | 9.0                   | 14.0  | 11.0   | 7.0  | 0.02                     | 0.07  | 0.04   | 0.02  |              |              |
| M5                                          | GoogLeNet    | 4          | 40         | 90     | 13.0                  | 19.0  | 16.0   | 11.0 | 0.06                     | 0.11  | 0.08   | 0.04  |              |              |
| M6                                          | DarkNet      | 1          | 60         | 130    | 10.5                  | 15.5  | 12.5   | 8.5  | 0.035                    | 0.085 | 0.055  | 0.025 | 93           | 0.015        |
| M7                                          | ResNeXt      | 1          | 68         | 140    | 11.5                  | 16.5  | 13.5   | 9.5  | 0.04                     | 0.09  | 0.06   | 0.03  |              |              |
| M8                                          | SENet        | 2          | 52         | 105    | 9.5                   | 14.5  | 11.5   | 7.5  | 0.025                    | 0.075 | 0.045  | 0.02  |              |              |
| M9                                          | ConvNeXt     | 3          | 44         | 85     | 12.0                  | 17.0  | 14.0   | 10.0 | 0.05                     | 0.10  | 0.07   | 0.03  |              |              |
| M10                                         | ViT          | 100        | 8          | 70     | 15.0                  | 20.0  | 17.0   | 12.0 | 0.07                     | 0.12  | 0.09   | 0.05  |              |              |
| Phase 2: Model Deployment and Evaluation    |              |            |            |        |                       |       |        |      |                          |       |        |       |              |              |
| M11                                         | ResNet-50    | 5          | 32         | 100    | 12.5                  | 18.0  | 15.0   | 10.0 | 0.05                     | 0.10  | 0.07   | 0.03  | 91           | 0.025        |
| M12                                         | EfficientNet | 1          | 64         | 150    | 10.0                  | 15.0  | 12.0   | 8.0  | 0.03                     | 0.08  | 0.05   | 0.02  |              |              |
| M13                                         | MobileNet    | 3          | 48         | 120    | 11.0                  | 16.0  | 13.0   | 9.0  | 0.04                     | 0.09  | 0.06   | 0.03  |              |              |
| M14                                         | ShuffleNet   | 2          | 56         | 110    | 9.0                   | 14.0  | 11.0   | 7.0  | 0.02                     | 0.07  | 0.04   | 0.02  |              |              |
| M15                                         | GoogLeNet    | 4          | 40         | 90     | 13.0                  | 19.0  | 16.0   | 11.0 | 0.06                     | 0.11  | 0.08   | 0.04  |              |              |
| M16                                         | DarkNet      | 1          | 60         | 130    | 10.5                  | 15.5  | 12.5   | 8.5  | 0.035                    | 0.085 | 0.055  | 0.025 | 92           | 0.018        |
| M17                                         | ResNeXt      | 1          | 68         | 140    | 11.5                  | 16.5  | 13.5   | 9.5  | 0.04                     | 0.09  | 0.06   | 0.03  |              |              |
| M18                                         | SENet        | 2          | 52         | 105    | 9.5                   | 14.5  | 11.5   | 7.5  | 0.025                    | 0.075 | 0.045  | 0.02  |              |              |
| M19                                         | ConvNeXt     | 3          | 44         | 85     | 12.0                  | 17.0  | 14.0   | 10.0 | 0.05                     | 0.10  | 0.07   | 0.03  |              |              |
| M20                                         | ViT          | 100        | 8          | 70     | 15.0                  | 20.0  | 17.0   | 12.0 | 0.07                     | 0.12  | 0.09   | 0.05  |              |              |
| Phase 3: Model Fine-tuning and Optimization |              |            |            |        |                       |       |        |      |                          |       |        |       |              |              |
| M21                                         | ResNet-50    | 5          | 32         | 100    | 12.5                  | 18.0  | 15.0   | 10.0 | 0.05                     | 0.10  | 0.07   | 0.03  | 93           | 0.01         |
| M22                                         | EfficientNet | 1          | 64         | 150    | 10.0                  | 15.0  | 12.0   | 8.0  | 0.03                     | 0.08  | 0.05   | 0.02  |              |              |
| M23                                         | MobileNet    | 3          | 48         | 120    | 11.0                  | 16.0  | 13.0   | 9.0  | 0.04                     | 0.09  | 0.06   | 0.03  |              |              |
| M24                                         | ShuffleNet   | 2          | 56         | 110    | 9.0                   | 14.0  | 11.0   | 7.0  | 0.02                     | 0.07  | 0.04   | 0.02  |              |              |
| M25                                         | GoogLeNet    | 4          | 40         | 90     | 13.0                  | 19.0  | 16.0   | 11.0 | 0.06                     |       |        |       |              |              |

| North_Antarctica_2024-08-15 |          |           |              |                  |              |                  |                    |                |                 |                 |                |                 |               |
|-----------------------------|----------|-----------|--------------|------------------|--------------|------------------|--------------------|----------------|-----------------|-----------------|----------------|-----------------|---------------|
| Station                     | Latitude | Longitude | Altitude (m) | Temperature (°C) | Humidity (%) | Wind Speed (m/s) | Wind Direction (°) | Pressure (hPa) | Cloud Cover (%) | Visibility (km) | Soil Temp (°C) | Water Temp (°C) | Ice Temp (°C) |
| Station Data                |          |           |              |                  |              |                  |                    |                |                 |                 |                |                 |               |
| 1                           | 68.5     | 115.5     | 1000         | -15.2            | 65.0         | 12.5             | 270                | 1013.5         | 10              | 10              | -18.0          | -10.0           | -20.0         |
| 2                           | 68.5     | 115.5     | 1000         | -15.2            | 65.0         | 12.5             | 270                | 1013.5         | 10              | 10              | -18.0          | -10.0           | -20.0         |
| 3                           | 68.5     | 115.5     | 1000         | -15.2            | 65.0         | 12.5             | 270                | 1013.5         | 10              | 10              | -18.0          | -10.0           | -20.0         |
| 4                           | 68.5     | 115.5     | 1000         | -15.2            | 65.0         | 12.5             | 270                | 1013.5         | 10              | 10              | -18.0          | -10.0           | -20.0         |
| 5                           | 68.5     | 115.5     | 1000         | -15.2            | 65.0         | 12.5             | 270                | 1013.5         | 10              | 10              | -18.0          | -10.0           | -20.0         |
| 6                           | 68.5     | 115.5     | 1000         | -15.2            | 65.0         | 12.5             | 270                | 1013.5         | 10              | 10              | -18.0          | -10.0           | -20.0         |
| 7                           | 68.5     | 115.5     | 1000         | -15.2            | 65.0         | 12.5             | 270                | 1013.5         | 10              | 10              | -18.0          | -10.0           | -20.0         |
| 8                           | 68.5     | 115.5     | 1000         | -15.2            | 65.0         | 12.5             | 270                | 1013.5         | 10              | 10              | -18.0          | -10.0           | -20.0         |
| 9                           | 68.5     | 115.5     | 1000         | -15.2            | 65.0         | 12.5             | 270                | 1013.5         | 10              | 10              | -18.0          | -10.0           | -20.0         |
| 10                          | 68.5     | 115.5     | 1000         | -15.2            | 65.0         | 12.5             | 270                | 1013.5         | 10              | 10              | -18.0          | -10.0           | -20.0         |
| 11                          | 68.5     | 115.5     | 1000         | -15.2            | 65.0         | 12.5             | 270                | 1013.5         | 10              | 10              | -18.0          | -10.0           | -20.0         |
| 12                          | 68.5     | 115.5     | 1000         | -15.2            | 65.0         | 12.5             | 270                | 1013.5         | 10              | 10              | -18.0          | -10.0           | -20.0         |
| 13                          | 68.5     | 115.5     | 1000         | -15.2            | 65.0         | 12.5             | 270                | 1013.5         | 10              | 10              | -18.0          | -10.0           | -20.0         |
| 14                          | 68.5     | 115.5     | 1000         | -15.2            | 65.0         | 12.5             | 270                | 1013.5         | 10              | 10              | -18.0          | -10.0           | -20.0         |
| 15                          | 68.5     | 115.5     | 1000         | -15.2            | 65.0         | 12.5             | 270                | 1013.5         | 10              | 10              | -18.0          | -10.0           | -20.0         |
| 16                          | 68.5     | 115.5     | 1000         | -15.2            | 65.0         | 12.5             | 270                | 1013.5         | 10              | 10              | -18.0          | -10.0           | -20.0         |
| 17                          | 68.5     | 115.5     | 1000         | -15.2            | 65.0         | 12.5             | 270                | 1013.5         | 10              | 10              | -18.0          | -10.0           | -20.0         |
| 18                          | 68.5     | 115.5     | 1000         | -15.2            | 65.0         | 12.5             | 270                | 1013.5         | 10              | 10              | -18.0          | -10.0           | -20.0         |
| 19                          | 68.5     | 115.5     | 1000         | -15.2            | 65.0         | 12.5             | 270                | 1013.5         | 10              | 10              | -18.0          | -10.0           | -20.0         |
| 20                          | 68.5     | 115.5     | 1000         | -15.2            | 65.0         | 12.5             | 270                | 1013.5         | 10              | 10              | -18.0          | -10.0           | -20.0         |
| 21                          | 68.5     | 115.5     | 1000         | -15.2            | 65.0         | 12.5             | 270                | 1013.5         | 10              | 10              | -18.0          | -10.0           | -20.0         |
| 22                          | 68.5     | 115.5     | 1000         | -15.2            | 65.0         | 12.5             | 270                | 1013.5         | 10              | 10              | -18.0          | -10.0           | -20.0         |
| 23                          | 68.5     | 115.5     | 1000         | -15.2            | 65.0         | 12.5             | 270                | 1013.5         | 10              | 10              | -18.0          | -10.0           | -20.0         |
| 24                          | 68.5     | 115.5     | 1000         | -15.2            | 65.0         | 12.5             | 270                | 1013.5         | 10              | 10              | -18.0          | -10.0           | -20.0         |
| 25                          | 68.5     | 115.5     | 1000         | -15.2            | 65.0         | 12.5             | 270                | 1013.5         | 10              | 10              | -18.0          | -10.0           | -20.0         |
| 26                          | 68.5     | 115.5     | 1000         | -15.2            | 65.0         | 12.5             | 270                | 1013.5         | 10              | 10              | -18.0          | -10.0           | -20.0         |
| 27                          | 68.5     | 115.5     | 1000         | -15.2            | 65.0         | 12.5             | 270                | 1013.5         | 10              | 10              | -18.0          | -10.0           | -20.0         |
| 28                          | 68.5     | 115.5     | 1000         | -15.2            | 65.0         | 12.5             | 270                | 1013.5         | 10              | 10              | -18.0          | -10.0           | -20.0         |
| 29                          | 68.5     | 115.5     | 1000         | -15.2            | 65.0         | 12.5             | 270                | 1013.5         | 10              | 10              | -18.0          | -10.0           | -20.0         |
| 30                          | 68.5     | 115.5     | 1000         | -15.2            | 65.0         | 12.5             | 270                | 1013.5         | 10              | 10              | -18.0          | -10.0           | -20.0         |
| 31                          | 68.5     | 115.5     | 1000         | -15.2            | 65.0         | 12.5             | 270                | 1013.5         | 10              | 10              | -18.0          | -10.0           | -20.0         |
| 32                          | 68.5     | 115.5     |              |                  |              |                  |                    |                |                 |                 |                |                 |               |

## DSI 3

| 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   | 32.19                     | 32.28 | 32.37 | 33.50               | 23.19                     | 23.28 | 23.37 | 24.50               |
| GPRS 1 Tx slot  | 32.18                     | 32.32 | 32.40 | 33.50               | 23.18                     | 23.32 | 23.40 | 24.50               |
| GPRS 2 Tx slots | 29.39                     | 29.01 | 28.59 | 30.50               | 23.39                     | 23.01 | 22.59 | 24.50               |
| GPRS 3 Tx slots | 27.55                     | 27.06 | 26.63 | 28.50               | 23.29                     | 22.80 | 22.37 | 24.24               |
| GPRS 4 Tx slots | 26.20                     | 25.63 | 25.14 | 26.50               | 23.20                     | 22.63 | 22.14 | 23.50               |
| EDGE 1 Tx slot  | 26.16                     | 26.27 | 26.25 | 27.00               | 17.16                     | 17.27 | 17.25 | 18.00               |
| EDGE 2 Tx slots | 25.09                     | 25.19 | 25.16 | 25.50               | 19.09                     | 19.19 | 19.16 | 19.50               |
| EDGE 3 Tx slots | 23.43                     | 23.59 | 23.54 | 24.00               | 19.17                     | 19.33 | 19.28 | 19.74               |
| EDGE 4 Tx slots | 21.87                     | 21.94 | 21.91 | 22.50               | 18.87                     | 18.94 | 18.91 | 19.50               |

| GSM1900         | Burst Average Power (dBm) |       |        | Tune-up<br>Limit<br>(dBm) | Frame-Average Power (dBm) |       |        | Tune-up<br>Limit<br>(dBm) |
|-----------------|---------------------------|-------|--------|---------------------------|---------------------------|-------|--------|---------------------------|
|                 | TX Channel                |       |        |                           | Frequency (MHz)           |       |        |                           |
|                 | 512                       | 661   | 810    |                           | 512                       | 661   | 810    |                           |
| Frequency (MHz) | 1850.2                    | 1880  | 1909.8 |                           | 1850.2                    | 1880  | 1909.8 |                           |
| GSM 1 Tx slot   | 29.42                     | 29.32 | 29.19  | 30.50                     | 20.42                     | 20.32 | 20.19  | 21.50                     |
| GPRS 1 Tx slot  | 29.44                     | 29.41 | 29.20  | 30.50                     | 20.44                     | 20.41 | 20.20  | 21.50                     |
| GPRS 2 Tx slots | 28.32                     | 28.34 | 28.15  | 28.50                     | 22.32                     | 22.34 | 22.15  | 22.50                     |
| GPRS 3 Tx slots | 26.51                     | 26.53 | 26.32  | 27.20                     | 22.25                     | 22.27 | 22.06  | 22.94                     |
| GPRS 4 Tx slots | 24.92                     | 24.41 | 23.80  | 25.20                     | 21.92                     | 21.41 | 20.80  | 22.20                     |
| EDGE 1 Tx slot  | 25.67                     | 25.60 | 25.42  | 26.00                     | 16.67                     | 16.60 | 16.42  | 17.00                     |
| EDGE 2 Tx slots | 24.50                     | 24.48 | 24.32  | 24.50                     | 18.50                     | 18.48 | 18.32  | 18.50                     |
| EDGE 3 Tx slots | 22.73                     | 22.71 | 22.36  | 23.00                     | 18.47                     | 18.45 | 18.10  | 18.74                     |
| EDGE 4 Tx slots | 21.29                     | 21.13 | 21.11  | 21.50                     | 18.29                     | 18.13 | 18.11  | 18.50                     |

| 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       | 20.46    | 20.40 | 20.52  | 21.60               | 21.16    | 21.23  | 21.08  | 22.20               | 21.73   | 21.84 | 21.80 | 22.90               |
| 3GPP Rel 99     | RMC 12.2Kbps       | 20.57    | 20.51 | 20.56  | 21.60               | 21.24    | 21.24  | 21.23  | 22.20               | 21.81   | 21.91 | 21.88 | 22.90               |
| 3GPP Rel 6      | HS-DPA Subtest-1   | 20.00    | 20.01 | 20.03  | 20.60               | 20.72    | 20.74  | 20.66  | 21.20               | 20.84   | 20.92 | 20.90 | 21.90               |
| 3GPP Rel 6      | HS-DPA Subtest-2   | 19.98    | 19.98 | 20.00  | 20.60               | 20.69    | 20.69  | 20.56  | 21.20               | 20.81   | 20.93 | 20.85 | 21.90               |
| 3GPP Rel 6      | HS-DPA Subtest-3   | 19.48    | 19.47 | 19.52  | 20.10               | 20.18    | 20.18  | 20.16  | 20.70               | 20.30   | 20.46 | 20.40 | 20.90               |
| 3GPP Rel 6      | HS-DPA Subtest-4   | 19.42    | 19.44 | 19.50  | 20.10               | 20.17    | 20.16  | 20.16  | 20.70               | 20.30   | 20.43 | 20.40 | 20.90               |
| 3GPP Rel 8      | DC-HSDPA Subtest-1 | 20.01    | 19.98 | 20.06  | 20.60               | 20.71    | 20.72  | 20.61  | 21.20               | 21.30   | 21.42 | 21.37 | 22.40               |
| 3GPP Rel 8      | DC-HSDPA Subtest-2 | 20.00    | 19.99 | 20.01  | 20.60               | 20.70    | 20.71  | 20.63  | 21.20               | 21.34   | 21.39 | 21.33 | 22.40               |
| 3GPP Rel 8      | DC-HSDPA Subtest-3 | 19.54    | 19.47 | 19.51  | 20.10               | 20.16    | 20.23  | 20.17  | 20.70               | 20.69   | 20.93 | 20.92 | 21.90               |
| 3GPP Rel 8      | DC-HSDPA Subtest-4 | 18.52    | 18.46 | 18.52  | 20.10               | 20.21    | 20.21  | 20.16  | 20.70               | 20.87   | 20.91 | 20.88 | 21.90               |
| 3GPP Rel 6      | HS-UPA Subtest-1   | 20.44    | 20.45 | 20.01  | 20.60               | 20.32    | 20.48  | 20.33  | 21.20               | 20.82   | 20.93 | 20.87 | 22.90               |
| 3GPP Rel 6      | HS-UPA Subtest-2   | 18.42    | 18.24 | 18.12  | 18.60               | 18.26    | 18.27  | 18.32  | 19.20               | 18.82   | 18.95 | 18.90 | 20.90               |
| 3GPP Rel 6      | HS-UPA Subtest-3   | 19.46    | 18.99 | 19.03  | 19.60               | 19.29    | 19.19  | 19.36  | 20.20               | 19.82   | 19.93 | 19.89 | 21.90               |
| 3GPP Rel 6      | HS-UPA Subtest-4   | 18.47    | 18.29 | 18.11  | 18.60               | 18.34    | 18.35  | 18.31  | 19.20               | 18.83   | 18.95 | 18.92 | 20.90               |
| 3GPP Rel 6      | HS-UPA Subtest-5   | 20.42    | 20.52 | 20.03  | 20.60               | 20.33    | 20.49  | 20.29  | 21.20               | 20.82   | 20.90 | 20.88 | 22.90               |

| Band             |  | CDMA BCD |        |        | Tune-up Limit (dBm) |
|------------------|--|----------|--------|--------|---------------------|
| TX Channel       |  | 1013     | 384    | 777    |                     |
| Frequency (MHz)  |  | 824.7    | 836.52 | 848.31 |                     |
| RC1 S065         |  | 23.20    | 23.47  | 23.41  | 24.60               |
| RC3 S065         |  | 23.19    | 23.46  | 23.39  | 24.60               |
| RC3 S032 (F+SCH) |  | 23.23    | 23.50  | 23.45  | 24.60               |
| RC3 S032 (+SCH)  |  | 23.21    | 23.49  | 23.43  | 24.60               |
| RTAP 153.6Kbps   |  | 23.28    | 23.52  | 23.50  | 24.60               |
| RETAP 4096Bits   |  | 23.25    | 23.49  | 23.48  | 24.60               |

## DSI 5

| GSM850          | Burst Average Power (dBm) |       |       | Tune-up<br>Limit<br>(dBm) | Frame-Average Power (dBm) |       |       | Tune-up<br>Limit<br>(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   | 31.51                     | 31.52 | 31.35 | 32.50                     | 22.51                     | 22.52 | 22.35 | 23.50                     |
| GPRS 1 Tx slot  | 31.57                     | 31.58 | 31.33 | 32.50                     | 22.57                     | 22.58 | 22.33 | 23.50                     |
| GPRS 2 Tx slots | 28.44                     | 28.00 | 27.53 | 29.50                     | 22.44                     | 22.00 | 21.53 | 23.50                     |
| GPRS 3 Tx slots | 26.59                     | 26.08 | 25.60 | 27.50                     | 22.33                     | 21.82 | 21.34 | 23.24                     |
| GPRS 4 Tx slots | 25.03                     | 24.46 | 24.05 | 26.00                     | 22.03                     | 21.46 | 21.05 | 23.00                     |
| EDGE 1 Tx slot  | 26.14                     | 26.29 | 26.26 | 27.00                     | 17.14                     | 17.29 | 17.26 | 18.00                     |
| EDGE 2 Tx slots | 25.08                     | 25.19 | 25.17 | 25.50                     | 19.08                     | 19.19 | 19.17 | 19.50                     |
| EDGE 3 Tx slots | 23.43                     | 23.57 | 23.53 | 24.00                     | 19.17                     | 19.31 | 19.27 | 19.74                     |
| EDGE 4 Tx slots | 21.83                     | 21.88 | 21.93 | 22.50                     | 18.83                     | 18.88 | 18.93 | 19.50                     |

| 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   | 29.42                     | 29.38 | 29.11  | 29.50               | 20.42                     | 20.38 | 20.11  | 20.50               |
| GPRS 1 Tx slot  | 29.43                     | 29.42 | 29.19  | 29.50               | 20.43                     | 20.42 | 20.19  | 20.50               |
| GPRS 2 Tx slots | 26.40                     | 26.40 | 26.37  | 26.50               | 20.40                     | 20.40 | 20.37  | 20.50               |
| GPRS 3 Tx slots | 24.70                     | 24.71 | 23.54  | 25.00               | 20.44                     | 20.45 | 19.28  | 20.74               |
| GPRS 4 Tx slots | 23.35                     | 22.89 | 22.12  | 23.50               | 20.35                     | 19.89 | 19.12  | 20.50               |
| EDGE 1 Tx slot  | 25.33                     | 25.40 | 25.14  | 26.00               | 16.33                     | 16.40 | 16.14  | 17.00               |
| EDGE 2 Tx slots | 24.31                     | 24.26 | 24.29  | 24.50               | 18.31                     | 18.26 | 18.29  | 18.50               |
| EDGE 3 Tx slots | 22.23                     | 22.66 | 22.21  | 23.00               | 17.97                     | 18.40 | 17.95  | 18.74               |
| EDGE 4 Tx slots | 21.18                     | 21.06 | 21.01  | 21.50               | 18.18                     | 18.06 | 18.01  | 18.50               |

| Band             |  | CDMA BCD |        |        | Tune-up Limit (dBm) |
|------------------|--|----------|--------|--------|---------------------|
| TX Channel       |  | 1013     | 384    | 777    |                     |
| Frequency (MHz)  |  | 824.7    | 836.52 | 848.31 |                     |
| RC1 S065         |  | 22.14    | 22.36  | 22.35  | 23.40               |
| RC3 S065         |  | 22.11    | 22.33  | 22.34  | 23.40               |
| RC3 S032 (F+SCH) |  | 22.17    | 22.39  | 22.36  | 23.40               |
| RC3 S032 (+SCH)  |  | 22.15    | 22.37  | 22.34  | 23.40               |
| RTAP 153.6Kbps   |  | 22.40    | 22.43  | 22.38  | 23.40               |
| RETAP 4096Bits   |  | 22.38    | 22.41  | 22.36  | 23.40               |

| 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       | 21.02    | 21.08 | 20.78  | 22.00               | 20.61    | 20.63  | 20.44  | 21.60               | 22.25   | 22.24 | 22.04 | 22.90               |
| 3GPP Rel 99     | RMC 12.2Kbps       | 21.10    | 21.09 | 20.96  | 22.00               | 20.66    | 20.67  | 20.48  | 21.60               | 22.23   | 22.26 | 22.03 | 22.90               |
| 3GPP Rel 6      | HS-DPA Subtest-1   | 20.59    | 20.29 | 20.33  | 21.00               | 20.19    | 20.17  | 19.90  | 20.60               | 21.27   | 21.25 | 21.02 | 21.90               |
| 3GPP Rel 6      | HS-DPA Subtest-2   | 20.58    | 20.26 | 20.31  | 21.00               | 20.18    | 20.16  | 19.98  | 20.60               | 21.26   | 21.26 | 21.01 | 21.90               |
| 3GPP Rel 6      | HS-DPA Subtest-3   | 20.06    | 19.76 | 19.89  | 20.50               | 19.58    | 19.60  | 19.44  | 19.60               | 20.25   | 20.24 | 19.99 | 20.90               |
| 3GPP Rel 6      | HS-DPA Subtest-4   | 20.08    | 19.76 | 19.88  | 20.50               | 19.58    | 19.54  | 19.46  | 19.60               | 20.24   | 20.23 | 19.98 | 20.90               |
| 3GPP Rel 8      | DC-HSDPA Subtest-1 | 20.61    | 20.23 | 20.36  | 21.00               | 20.21    | 20.15  | 19.92  | 21.00               | 21.53   | 21.54 | 21.52 | 22.40               |
| 3GPP Rel 8      | DC-HSDPA Subtest-2 | 20.59    | 20.22 | 20.37  | 21.00               | 20.16    | 20.13  | 19.90  | 21.00               | 21.51   | 21.53 | 21.51 | 22.40               |
| 3GPP Rel 8      | DC-HSDPA Subtest-3 | 20.06    | 19.77 | 19.85  | 20.50               | 19.72    | 19.66  | 19.42  | 20.50               | 21.04   | 21.03 | 21.02 | 21.90               |
| 3GPP Rel 8      | DC-HSDPA Subtest-4 | 20.01    | 19.77 | 19.84  | 20.50               | 19.71    | 19.62  | 19.48  | 20.50               | 20.99   | 21.00 | 20.99 | 21.90               |
| 3GPP Rel 6      | HS-UPA Subtest-1   | 20.61    | 20.27 | 20.32  | 21.00               | 20.20    | 20.16  | 19.91  | 21.60               | 22.24   | 22.25 | 22.05 | 22.90               |
| 3GPP Rel 6      | HS-UPA Subtest-2   | 18.61    | 18.26 | 18.33  | 19.00               | 18.19    | 18.17  | 17.92  | 19.60               | 20.21   | 20.22 | 20.04 | 20.90               |
| 3GPP Rel 6      | HS-UPA Subtest-3   | 19.62    | 19.29 | 19.34  | 20.00               | 19.18    | 19.19  | 18.96  | 20.60               | 21.19   | 21.23 | 21.01 | 21.90               |
| 3GPP Rel 6      | HS-UPA Subtest-4   | 18.63    | 18.26 | 18.34  | 19.00               | 18.16    | 18.16  | 17.95  | 19.60               | 20.18   | 20.20 | 19.99 | 20.90               |
| 3GPP Rel 6      | HS-UPA Subtest-5   | 20.63    | 20.29 | 20.33  | 21.00               | 20.12    | 20.15  | 19.92  | 21.60               | 22.24   | 22.23 | 22.01 | 22.90               |

| Band 2_Ant1 DSI 3 |            |         |           |                           |                              |                            |                     |          |  |  |  |  |  |  |
|-------------------|------------|---------|-----------|---------------------------|------------------------------|----------------------------|---------------------|----------|--|--|--|--|--|--|
| BW (MHz)          | Modulation | RB Size | RB Offset | Power Low Ch. Freq. 18700 | Power Middle Ch. Freq. 18800 | Power High Ch. Freq. 19100 | Tune-up limit (dBm) | MPR (dB) |  |  |  |  |  |  |
| Channel           |            |         |           |                           |                              |                            |                     |          |  |  |  |  |  |  |
| Frequency (MHz)   |            |         |           |                           |                              |                            |                     |          |  |  |  |  |  |  |
| 20                | QPSK       | 1       | 0         | 20.55                     | 20.35                        | 20.28                      | 21.3                | 0        |  |  |  |  |  |  |
| 20                | QPSK       | 1       | 49        | 20.28                     | 20.10                        | 20.15                      |                     |          |  |  |  |  |  |  |
| 20                | QPSK       | 1       | 99        | 20.17                     | 20.06                        | 20.13                      |                     |          |  |  |  |  |  |  |
| 20                | QPSK       | 50      | 0         | 20.51                     | 20.28                        | 20.25                      | 21.3                | 0        |  |  |  |  |  |  |
| 20                | QPSK       | 50      | 24        | 20.48                     | 20.30                        | 20.39                      |                     |          |  |  |  |  |  |  |
| 20                | QPSK       | 50      | 80        | 20.39                     | 20.28                        | 20.34                      |                     |          |  |  |  |  |  |  |
| 20                | QPSK       | 100     | 0         | 20.50                     | 20.27                        | 20.27                      | 21.3                | 0        |  |  |  |  |  |  |
| 20                | 16QAM      | 1       | 0         | 20.30                     | 20.58                        | 20.56                      |                     |          |  |  |  |  |  |  |
| 20                | 16QAM      | 1       | 49        | 20.64                     | 20.47                        | 20.55                      |                     |          |  |  |  |  |  |  |
| 20                | 16QAM      | 1       | 99        | 20.52                     | 20.42                        | 20.54                      | 21.3                | 0        |  |  |  |  |  |  |
| 20                | 16QAM      | 50      | 0         | 20.53                     | 20.29                        | 20.27                      |                     |          |  |  |  |  |  |  |
| 20                | 16QAM      | 50      | 24        | 20.50                     | 20.32                        | 20.37                      |                     |          |  |  |  |  |  |  |
| 20                | 16QAM      | 50      | 50        | 20.37                     | 20.28                        | 20.36                      | 21.3                | 0        |  |  |  |  |  |  |
| 20                | 16QAM      | 100     | 0         | 20.48                     | 20.28                        | 20.27                      |                     |          |  |  |  |  |  |  |
| 20                | 16QAM      | 1       | 0         | 20.64                     | 20.46                        | 20.41                      |                     |          |  |  |  |  |  |  |
| 20                | 64QAM      | 1       | 49        | 20.33                     | 20.33                        | 20.34                      | 21.3                | 0        |  |  |  |  |  |  |
| 20                | 64QAM      | 1       | 99        | 20.32                     | 20.32                        | 20.36                      |                     |          |  |  |  |  |  |  |
| 20                | 64QAM      | 50      | 0         | 20.14                     | 19.91                        | 19.90                      |                     |          |  |  |  |  |  |  |
| 20                | 64QAM      | 50      | 24        | 20.10                     | 19.92                        | 19.98                      | 21                  | 0.3      |  |  |  |  |  |  |
| 20                | 64QAM      | 50      | 50        | 19.98                     | 19.89                        | 19.96                      |                     |          |  |  |  |  |  |  |
| 20                | 64QAM      | 100     | 0         | 20.09                     | 19.89                        | 19.90                      |                     |          |  |  |  |  |  |  |
| Channel           |            |         |           |                           |                              |                            |                     |          |  |  |  |  |  |  |
| Frequency (MHz)   |            |         |           |                           |                              |                            |                     |          |  |  |  |  |  |  |
| 15                | QPSK       | 1       | 0         | 20.44                     | 20.20                        | 20.23                      | 21.3                | 0        |  |  |  |  |  |  |
| 15                | QPSK       | 1       | 37        | 20.34                     | 20.14                        | 20.22                      |                     |          |  |  |  |  |  |  |
| 15                | QPSK       | 1       | 74        | 20.29                     | 20.16                        | 20.21                      |                     |          |  |  |  |  |  |  |
| 15                | QPSK       | 36      | 0         | 20.31                     | 20.27                        | 20.23                      | 21.3                | 0        |  |  |  |  |  |  |
| 15                | QPSK       | 36      | 20        | 20.42                     | 20.28                        | 20.29                      |                     |          |  |  |  |  |  |  |
| 15                | QPSK       | 36      | 39        | 20.39                     | 20.27                        | 20.35                      |                     |          |  |  |  |  |  |  |
| 15                | QPSK       | 75      | 0         | 20.41                     | 20.28                        | 20.25                      | 21.3                | 0        |  |  |  |  |  |  |
| 15                | 16QAM      | 1       | 0         | 20.70                     | 20.48                        | 20.52                      |                     |          |  |  |  |  |  |  |
| 15                | 16QAM      | 1       | 37        | 20.67                     | 20.45                        | 20.52                      |                     |          |  |  |  |  |  |  |
| 15                | 16QAM      | 1       | 74        | 20.61                     | 20.41                        | 20.57                      | 21.3                | 0        |  |  |  |  |  |  |
| 15                | 16QAM      | 36      | 0         | 20.52                     | 20.28                        | 20.24                      |                     |          |  |  |  |  |  |  |
| 15                | 16QAM      | 36      | 20        | 20.44                     | 20.29                        | 20.30                      |                     |          |  |  |  |  |  |  |
| 15                | 16QAM      | 36      | 39        | 20.40                     | 20.31                        | 20.37                      | 21.3                | 0        |  |  |  |  |  |  |
| 15                | 16QAM      | 75      | 0         | 20.52                     | 20.27                        | 20.26                      |                     |          |  |  |  |  |  |  |
| 15                | 16QAM      | 1       | 0         | 20.50                     | 20.43                        | 20.35                      |                     |          |  |  |  |  |  |  |
| 15                | 64QAM      | 1       | 37        | 20.55                     | 20.38                        | 20.40                      | 21.3                | 0        |  |  |  |  |  |  |
| 15                | 64QAM      | 1       | 74        | 20.42                     | 20.29                        | 20.36                      |                     |          |  |  |  |  |  |  |
| 15                | 64QAM      | 36      | 0         | 20.14                     | 19.90                        | 19.91                      |                     |          |  |  |  |  |  |  |
| 15                | 64QAM      | 36      | 20        | 20.09                     | 19.90                        | 19.93                      | 21                  | 0.3      |  |  |  |  |  |  |
| 15                | 64QAM      | 36      | 39        | 20.05                     | 19.94                        | 20.02                      |                     |          |  |  |  |  |  |  |
| 15                | 64QAM      | 75      | 0         | 20.02                     | 19.90                        | 19.89                      |                     |          |  |  |  |  |  |  |
| Channel           |            |         |           |                           |                              |                            |                     |          |  |  |  |  |  |  |
| Frequency (MHz)   |            |         |           |                           |                              |                            |                     |          |  |  |  |  |  |  |
| 10                | QPSK       | 1       | 0         | 20.36                     | 20.08                        | 20.20                      | 21.3                | 0        |  |  |  |  |  |  |
| 10                | QPSK       | 1       | 25        | 20.33                     | 20.09                        | 20.20                      |                     |          |  |  |  |  |  |  |
| 10                | QPSK       | 1       | 49        | 20.31                     | 20.07                        | 20.20                      |                     |          |  |  |  |  |  |  |
| 10                | QPSK       | 25      | 0         | 20.45                     | 20.18                        | 20.20                      | 21.3                | 0        |  |  |  |  |  |  |
| 10                | QPSK       | 25      | 12        | 20.42                     | 20.24                        | 20.26                      |                     |          |  |  |  |  |  |  |
| 10                | QPSK       | 25      | 25        | 20.41                     | 20.26                        | 20.35                      |                     |          |  |  |  |  |  |  |
| 10                | QPSK       | 50      | 0         | 20.37                     | 20.25                        | 20.26                      | 21.3                | 0        |  |  |  |  |  |  |
| 10                | 16QAM      | 1       | 0         | 20.74                     | 20.51                        | 20.61                      |                     |          |  |  |  |  |  |  |
| 10                | 16QAM      | 1       | 25        | 20.67                     | 20.48                        | 20.60                      |                     |          |  |  |  |  |  |  |
| 10                | 16QAM      | 1       | 49        | 20.72                     | 20.45                        | 20.57                      | 21.3                | 0        |  |  |  |  |  |  |
| 10                | 16QAM      | 25      | 0         | 20.47                     | 20.19                        | 20.21                      |                     |          |  |  |  |  |  |  |
| 10                | 16QAM      | 25      | 12        | 20.42                     | 20.25                        | 20.26                      |                     |          |  |  |  |  |  |  |
| 10                | 16QAM      | 25      | 25        | 20.42                     | 20.27                        | 20.34                      | 21.3                | 0        |  |  |  |  |  |  |
| 10                | 16QAM      | 50      | 0         | 20.40                     | 20.23                        | 20.24                      |                     |          |  |  |  |  |  |  |
| 10                | 64QAM      | 1       | 0         | 20.60                     | 20.39                        | 20.45                      |                     |          |  |  |  |  |  |  |
| 10                | 64QAM      | 1       | 25        | 20.65                     | 20.39                        | 20.52                      | 21.3                | 0        |  |  |  |  |  |  |
| 10                | 64QAM      | 1       | 49        | 20.51                     | 20.34                        | 20.46                      |                     |          |  |  |  |  |  |  |
| 10                | 64QAM      | 25      | 0         | 20.11                     | 19.84                        | 19.84                      |                     |          |  |  |  |  |  |  |
| 10                | 64QAM      | 25      | 12        | 20.04                     | 19.89                        | 19.90                      | 21                  | 0.3      |  |  |  |  |  |  |
| 10                | 64QAM      | 25      | 25        | 20.01                     | 19.87                        | 19.97                      |                     |          |  |  |  |  |  |  |
| 10                | 64QAM      | 50      | 0         | 20.03                     | 19.88                        | 19.91                      |                     |          |  |  |  |  |  |  |
| Channel           |            |         |           |                           |                              |                            |                     |          |  |  |  |  |  |  |
| Frequency (MHz)   |            |         |           |                           |                              |                            |                     |          |  |  |  |  |  |  |
| 5                 | QPSK       | 1       | 0         | 20.35                     | 20.11                        | 20.17                      | 21.3                | 0        |  |  |  |  |  |  |
| 5                 | QPSK       | 1       | 12        | 20.37                     | 20.13                        | 20.23                      |                     |          |  |  |  |  |  |  |
| 5                 | QPSK       | 1       | 24        | 20.38                     | 20.18                        | 20.23                      |                     |          |  |  |  |  |  |  |
| 5                 | QPSK       | 12      | 0         | 20.46                     | 20.18                        | 20.31                      | 21.3                | 0        |  |  |  |  |  |  |
| 5                 | QPSK       | 12      | 7         | 20.48                     | 20.25                        | 20.31                      |                     |          |  |  |  |  |  |  |
| 5                 | QPSK       | 12      | 13        | 20.47                     | 20.22                        | 20.32                      |                     |          |  |  |  |  |  |  |
| 5                 | QPSK       | 25      | 0         | 20.46                     | 20.20                        | 20.29                      | 21.3                | 0        |  |  |  |  |  |  |
| 5                 | 16QAM      | 1       | 0         | 20.71                     | 20.40                        | 20.50                      |                     |          |  |  |  |  |  |  |
| 5                 | 16QAM      | 1       | 12        | 20.64                     | 20.44                        | 20.53                      |                     |          |  |  |  |  |  |  |
| 5                 | 16QAM      | 1       | 24        | 20.66                     | 20.44                        | 20.58                      | 21.3                | 0        |  |  |  |  |  |  |
| 5                 | 16QAM      | 12      | 0         | 20.42                     | 20.21                        | 20.27                      |                     |          |  |  |  |  |  |  |
| 5                 | 16QAM      | 12      | 7         | 20.50                     | 20.28                        | 20.34                      |                     |          |  |  |  |  |  |  |
| 5                 | 16QAM      | 12      | 13        | 20.47                     | 20.28                        | 20.32                      | 21.3                | 0        |  |  |  |  |  |  |
| 5                 | 16QAM      | 25      | 0         | 20.44                     | 20.24                        | 20.35                      |                     |          |  |  |  |  |  |  |
| 5                 | 64QAM      | 1       | 0         | 20.59                     | 20.37                        | 20.45                      |                     |          |  |  |  |  |  |  |
| 5                 | 64QAM      | 1       | 12        | 20.52                     | 20.32                        | 20.40                      | 21.3                | 0        |  |  |  |  |  |  |
| 5                 | 64QAM      | 1       | 24        | 20.58                     | 20.36                        | 20.46                      |                     |          |  |  |  |  |  |  |
| 5                 | 64QAM      | 12      | 0         | 20.13                     | 19.89                        | 19.95                      |                     |          |  |  |  |  |  |  |
| 5                 | 64QAM      | 12      | 7         | 20.15                     | 19.92                        | 19.99                      | 21                  | 0.3      |  |  |  |  |  |  |
| 5                 | 64QAM      | 12      | 13        | 20.11                     | 19.86                        | 19.96                      |                     |          |  |  |  |  |  |  |
| 5                 | 64QAM      | 25      | 0         | 20.08                     | 19.83                        | 19.88                      |                     |          |  |  |  |  |  |  |
| Channel           |            |         |           |                           |                              |                            |                     |          |  |  |  |  |  |  |
| Frequency (MHz)   |            |         |           |                           |                              |                            |                     |          |  |  |  |  |  |  |
| 3                 | QPSK       | 1       | 0         | 20.32                     | 20.10                        | 20.19                      | 21.3                | 0        |  |  |  |  |  |  |
| 3                 | QPSK       | 1       | 8         | 20.42                     | 20.18                        | 20.26                      |                     |          |  |  |  |  |  |  |
| 3                 | QPSK       | 1       | 14        | 20.36                     | 20.14                        | 20.21                      |                     |          |  |  |  |  |  |  |
| 3                 | QPSK       | 8       | 0         | 20.42                     | 20.21                        | 20.29                      | 21.3                | 0        |  |  |  |  |  |  |
| 3                 | QPSK       | 8       | 4         | 20.45                     | 20.21                        | 20.31                      |                     |          |  |  |  |  |  |  |
| 3                 | QPSK       | 8       | 7         | 20.42                     | 20.19                        | 20.27                      |                     |          |  |  |  |  |  |  |
| 3                 | QPSK       | 15      | 0         | 20.45                     | 20.17                        | 20.29                      | 21.3                | 0        |  |  |  |  |  |  |
| 3                 | 16QAM      | 1       | 0         | 20.64                     | 20.41                        | 20.53                      |                     |          |  |  |  |  |  |  |
| 3                 | 16QAM      | 1       | 8         | 20.70                     | 20.51                        | 20.56                      |                     |          |  |  |  |  |  |  |
| 3                 | 16QAM      | 1       | 14        | 20.67                     | 20.46                        | 20.51                      | 21.3                | 0        |  |  |  |  |  |  |
| 3                 | 16QAM      | 8       | 0         | 20.51                     | 20.24                        | 20.35                      |                     |          |  |  |  |  |  |  |
| 3                 | 16QAM      | 8       | 4         | 20.51                     | 20.32                        | 20.36                      |                     |          |  |  |  |  |  |  |
| 3                 | 16QAM      | 8       | 7         | 20.48                     | 20.25                        | 20.35                      | 21.3                | 0        |  |  |  |  |  |  |
| 3                 | 16QAM      | 15      | 0         | 20.48                     | 20.25                        | 20.35                      |                     |          |  |  |  |  |  |  |
| 3                 | 64QAM      | 1       | 0         | 20.63                     | 20.30                        | 20.44                      |                     |          |  |  |  |  |  |  |
| 3                 | 64QAM      | 1       | 8         | 20.68                     | 20.40                        | 20.51                      | 21.3                | 0        |  |  |  |  |  |  |
| 3                 | 64QAM      | 1       | 14        | 20.64                     | 20.34                        | 20.43                      |                     |          |  |  |  |  |  |  |
| 3                 | 64QAM      | 8       | 0         | 20.10                     | 19.85                        | 19.94                      |                     |          |  |  |  |  |  |  |
| 3                 | 64QAM      | 8       | 4         | 20.70                     | 20.46                        | 20.58                      | 21                  | 0.3      |  |  |  |  |  |  |
| 3                 | 64QAM      | 8       | 7         | 20.70                     | 20.46                        | 20.58                      |                     |          |  |  |  |  |  |  |

| Band 4_Ant1_DSI 5 |            |         |           |                             |                                |                              |                     |          |  |  |  |  |
|-------------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|---------------------|----------|--|--|--|--|
| BW (MHz)          | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. 20500 | Power Middle Ch. / Freq. 20175 | Power High Ch. / Freq. 20500 | Tune-up limit (dBm) | MPR (dB) |  |  |  |  |
| Channel           |            |         |           | 1720                        | 1732.5                         | 1745                         |                     |          |  |  |  |  |
| Frequency (MHz)   |            |         |           |                             |                                |                              |                     |          |  |  |  |  |
| 20                | QPSK       | 1       | 0         | 19.39                       | 19.44                          | 19.41                        | 20.6                | 0        |  |  |  |  |
| 20                | QPSK       | 1       | 49        | 19.24                       | 19.24                          | 19.16                        |                     |          |  |  |  |  |
| 20                | QPSK       | 1       | 99        | 19.21                       | 19.16                          | 19.14                        |                     |          |  |  |  |  |
| 20                | QPSK       | 50      | 0         | 19.46                       | 19.46                          | 19.40                        |                     |          |  |  |  |  |
| 20                | QPSK       | 50      | 24        | 19.46                       | 19.38                          | 19.31                        | 20.6                | 0        |  |  |  |  |
| 20                | QPSK       | 50      | 80        | 19.36                       | 19.34                          | 19.29                        |                     |          |  |  |  |  |
| 20                | QPSK       | 100     | 0         | 19.42                       | 19.41                          | 19.26                        |                     |          |  |  |  |  |
| 20                | 16QAM      | 1       | 0         | 19.79                       | 19.78                          | 19.71                        |                     |          |  |  |  |  |
| 20                | 16QAM      | 1       | 49        | 19.60                       | 19.58                          | 19.51                        | 20.6                | 0        |  |  |  |  |
| 20                | 16QAM      | 1       | 99        | 19.58                       | 19.53                          | 19.42                        |                     |          |  |  |  |  |
| 20                | 16QAM      | 50      | 0         | 19.47                       | 19.48                          | 19.43                        |                     |          |  |  |  |  |
| 20                | 16QAM      | 50      | 24        | 19.49                       | 19.40                          | 19.32                        |                     |          |  |  |  |  |
| 20                | 16QAM      | 50      | 50        | 19.41                       | 19.38                          | 19.31                        | 20.6                | 0        |  |  |  |  |
| 20                | 16QAM      | 100     | 0         | 19.44                       | 19.40                          | 19.31                        |                     |          |  |  |  |  |
| 20                | 64QAM      | 1       | 0         | 19.62                       | 19.66                          | 19.62                        |                     |          |  |  |  |  |
| 20                | 64QAM      | 1       | 49        | 19.48                       | 19.43                          | 19.40                        |                     |          |  |  |  |  |
| 20                | 64QAM      | 1       | 99        | 19.45                       | 19.42                          | 19.35                        | 20.6                | 0        |  |  |  |  |
| 20                | 64QAM      | 50      | 0         | 19.49                       | 19.50                          | 19.45                        |                     |          |  |  |  |  |
| 20                | 64QAM      | 50      | 24        | 19.51                       | 19.44                          | 19.36                        |                     |          |  |  |  |  |
| 20                | 64QAM      | 50      | 50        | 19.43                       | 19.40                          | 19.33                        |                     |          |  |  |  |  |
| 20                | 64QAM      | 100     | 0         | 19.48                       | 19.43                          | 19.34                        |                     |          |  |  |  |  |
| Channel           |            |         |           | 20025                       | 20175                          | 20325                        | Tune-up limit (dBm) | MPR (dB) |  |  |  |  |
| Frequency (MHz)   |            |         |           | 1717.5                      | 1732.5                         | 1747.5                       |                     |          |  |  |  |  |
| 15                | QPSK       | 1       | 0         | 19.33                       | 19.36                          | 19.41                        | 20.6                | 0        |  |  |  |  |
| 15                | QPSK       | 1       | 37        | 19.21                       | 19.14                          | 19.07                        |                     |          |  |  |  |  |
| 15                | QPSK       | 1       | 74        | 19.17                       | 19.15                          | 19.04                        |                     |          |  |  |  |  |
| 15                | QPSK       | 36      | 0         | 19.46                       | 19.34                          | 19.34                        |                     |          |  |  |  |  |
| 15                | QPSK       | 36      | 20        | 19.43                       | 19.30                          | 19.21                        | 20.6                | 0        |  |  |  |  |
| 15                | QPSK       | 36      | 39        | 19.26                       | 19.28                          | 19.25                        |                     |          |  |  |  |  |
| 15                | QPSK       | 75      | 0         | 19.40                       | 19.38                          | 19.18                        |                     |          |  |  |  |  |
| 15                | 16QAM      | 1       | 0         | 19.77                       | 19.75                          | 19.63                        |                     |          |  |  |  |  |
| 15                | 16QAM      | 1       | 37        | 19.52                       | 19.52                          | 19.47                        | 20.6                | 0        |  |  |  |  |
| 15                | 16QAM      | 1       | 74        | 19.50                       | 19.50                          | 19.40                        |                     |          |  |  |  |  |
| 15                | 16QAM      | 36      | 0         | 19.46                       | 19.45                          | 19.33                        |                     |          |  |  |  |  |
| 15                | 16QAM      | 36      | 20        | 19.45                       | 19.39                          | 19.22                        |                     |          |  |  |  |  |
| 15                | 16QAM      | 36      | 39        | 19.31                       | 19.38                          | 19.25                        | 20.6                | 0        |  |  |  |  |
| 15                | 16QAM      | 75      | 0         | 19.38                       | 19.38                          | 19.25                        |                     |          |  |  |  |  |
| 15                | 64QAM      | 1       | 0         | 19.52                       | 19.60                          | 19.61                        |                     |          |  |  |  |  |
| 15                | 64QAM      | 1       | 37        | 19.47                       | 19.39                          | 19.35                        |                     |          |  |  |  |  |
| 15                | 64QAM      | 1       | 74        | 19.37                       | 19.41                          | 19.29                        | 20.6                | 0        |  |  |  |  |
| 15                | 64QAM      | 36      | 0         | 19.47                       | 19.48                          | 19.45                        |                     |          |  |  |  |  |
| 15                | 64QAM      | 36      | 20        | 19.51                       | 19.35                          | 19.32                        |                     |          |  |  |  |  |
| 15                | 64QAM      | 36      | 39        | 19.43                       | 19.34                          | 19.26                        |                     |          |  |  |  |  |
| 15                | 64QAM      | 75      | 0         | 19.38                       | 19.41                          | 19.28                        |                     |          |  |  |  |  |
| Channel           |            |         |           | 20000                       | 20175                          | 20350                        | Tune-up limit (dBm) | MPR (dB) |  |  |  |  |
| Frequency (MHz)   |            |         |           | 1715                        | 1732.5                         | 1750                         |                     |          |  |  |  |  |
| 10                | QPSK       | 1       | 0         | 19.31                       | 19.39                          | 19.36                        | 20.6                | 0        |  |  |  |  |
| 10                | QPSK       | 1       | 25        | 19.47                       | 19.14                          | 19.12                        |                     |          |  |  |  |  |
| 10                | QPSK       | 1       | 40        | 19.13                       | 19.14                          | 19.07                        |                     |          |  |  |  |  |
| 10                | QPSK       | 25      | 0         | 19.46                       | 19.44                          | 19.33                        |                     |          |  |  |  |  |
| 10                | QPSK       | 25      | 12        | 19.45                       | 19.30                          | 19.27                        | 20.6                | 0        |  |  |  |  |
| 10                | QPSK       | 25      | 25        | 19.31                       | 19.32                          | 19.21                        |                     |          |  |  |  |  |
| 10                | QPSK       | 50      | 0         | 19.39                       | 19.34                          | 19.24                        |                     |          |  |  |  |  |
| 10                | 16QAM      | 1       | 0         | 19.69                       | 19.72                          | 19.64                        |                     |          |  |  |  |  |
| 10                | 16QAM      | 1       | 25        | 19.51                       | 19.57                          | 19.43                        | 20.6                | 0        |  |  |  |  |
| 10                | 16QAM      | 1       | 49        | 19.49                       | 19.46                          | 19.38                        |                     |          |  |  |  |  |
| 10                | 16QAM      | 25      | 0         | 19.38                       | 19.41                          | 19.38                        |                     |          |  |  |  |  |
| 10                | 16QAM      | 25      | 12        | 19.42                       | 19.45                          | 19.38                        |                     |          |  |  |  |  |
| 10                | 16QAM      | 25      | 25        | 19.35                       | 19.30                          | 19.21                        | 20.6                | 0        |  |  |  |  |
| 10                | 16QAM      | 50      | 0         | 19.44                       | 19.34                          | 19.28                        |                     |          |  |  |  |  |
| 10                | 64QAM      | 1       | 0         | 19.54                       | 19.65                          | 19.60                        |                     |          |  |  |  |  |
| 10                | 64QAM      | 1       | 25        | 19.39                       | 19.45                          | 19.35                        |                     |          |  |  |  |  |
| 10                | 64QAM      | 1       | 49        | 19.45                       | 19.33                          | 19.34                        | 20.6                | 0        |  |  |  |  |
| 10                | 64QAM      | 25      | 0         | 19.42                       | 19.41                          | 19.38                        |                     |          |  |  |  |  |
| 10                | 64QAM      | 25      | 12        | 19.43                       | 19.40                          | 19.32                        |                     |          |  |  |  |  |
| 10                | 64QAM      | 25      | 25        | 19.42                       | 19.40                          | 19.28                        |                     |          |  |  |  |  |
| 10                | 64QAM      | 50      | 0         | 19.40                       | 19.39                          | 19.29                        |                     |          |  |  |  |  |
| Channel           |            |         |           | 19975                       | 20175                          | 20375                        | Tune-up limit (dBm) | MPR (dB) |  |  |  |  |
| Frequency (MHz)   |            |         |           | 1712.5                      | 1732.5                         | 1752.5                       |                     |          |  |  |  |  |
| 5                 | QPSK       | 1       | 0         | 19.30                       | 19.41                          | 19.32                        | 20.6                | 0        |  |  |  |  |
| 5                 | QPSK       | 1       | 12        | 19.16                       | 19.14                          | 19.13                        |                     |          |  |  |  |  |
| 5                 | QPSK       | 1       | 24        | 19.17                       | 19.09                          | 19.13                        |                     |          |  |  |  |  |
| 5                 | QPSK       | 12      | 0         | 19.42                       | 19.36                          | 19.38                        |                     |          |  |  |  |  |
| 5                 | QPSK       | 12      | 7         | 19.39                       | 19.29                          | 19.30                        | 20.6                | 0        |  |  |  |  |
| 5                 | QPSK       | 12      | 13        | 19.29                       | 19.28                          | 19.20                        |                     |          |  |  |  |  |
| 5                 | QPSK       | 25      | 0         | 19.35                       | 19.33                          | 19.23                        |                     |          |  |  |  |  |
| 5                 | 16QAM      | 1       | 0         | 19.69                       | 19.75                          | 19.68                        |                     |          |  |  |  |  |
| 5                 | 16QAM      | 1       | 12        | 19.51                       | 19.54                          | 19.44                        | 20.6                | 0        |  |  |  |  |
| 5                 | 16QAM      | 1       | 24        | 19.52                       | 19.45                          | 19.39                        |                     |          |  |  |  |  |
| 5                 | 16QAM      | 12      | 0         | 19.42                       | 19.45                          | 19.38                        |                     |          |  |  |  |  |
| 5                 | 16QAM      | 12      | 7         | 19.43                       | 19.37                          | 19.28                        |                     |          |  |  |  |  |
| 5                 | 16QAM      | 12      | 13        | 19.38                       | 19.34                          | 19.26                        | 20.6                | 0        |  |  |  |  |
| 5                 | 16QAM      | 25      | 0         | 19.37                       | 19.30                          | 19.22                        |                     |          |  |  |  |  |
| 5                 | 64QAM      | 1       | 0         | 19.60                       | 19.58                          | 19.57                        |                     |          |  |  |  |  |
| 5                 | 64QAM      | 1       | 12        | 19.40                       | 19.39                          | 19.35                        |                     |          |  |  |  |  |
| 5                 | 64QAM      | 1       | 24        | 19.36                       | 19.36                          | 19.33                        | 20.6                | 0        |  |  |  |  |
| 5                 | 64QAM      | 12      | 0         | 19.44                       | 19.43                          | 19.33                        |                     |          |  |  |  |  |
| 5                 | 64QAM      | 12      | 7         | 19.48                       | 19.43                          | 19.33                        |                     |          |  |  |  |  |
| 5                 | 64QAM      | 12      | 13        | 19.37                       | 19.34                          | 19.28                        |                     |          |  |  |  |  |
| 5                 | 64QAM      | 25      | 0         | 19.46                       | 19.44                          | 19.34                        |                     |          |  |  |  |  |
| Channel           |            |         |           | 19950                       | 20175                          | 20393                        | Tune-up limit (dBm) | MPR (dB) |  |  |  |  |
| Frequency (MHz)   |            |         |           | 1711.8                      | 1732.5                         | 1753.5                       |                     |          |  |  |  |  |
| 3                 | QPSK       | 1       | 0         | 19.34                       | 19.34                          | 19.39                        | 20.6                | 0        |  |  |  |  |
| 3                 | QPSK       | 1       | 8         | 19.20                       | 19.23                          | 19.14                        |                     |          |  |  |  |  |
| 3                 | QPSK       | 1       | 14        | 19.18                       | 19.07                          | 19.11                        |                     |          |  |  |  |  |
| 3                 | QPSK       | 8       | 0         | 19.37                       | 19.38                          | 19.37                        |                     |          |  |  |  |  |
| 3                 | QPSK       | 8       | 4         | 19.38                       | 19.29                          | 19.27                        | 20.6                | 0        |  |  |  |  |
| 3                 | QPSK       | 8       | 7         | 19.36                       | 19.34                          | 19.25                        |                     |          |  |  |  |  |
| 3                 | QPSK       | 15      | 0         | 19.38                       | 19.32                          | 19.21                        |                     |          |  |  |  |  |
| 3                 | 16QAM      | 1       | 0         | 19.72                       | 19.68                          | 19.64                        |                     |          |  |  |  |  |
| 3                 | 16QAM      | 1       | 8         | 19.57                       | 19.53                          | 19.46                        | 20.6                | 0        |  |  |  |  |
| 3                 | 16QAM      | 1       | 14        | 19.55                       | 19.43                          | 19.33                        |                     |          |  |  |  |  |
| 3                 | 16QAM      | 8       | 0         | 19.47                       | 19.40                          | 19.38                        |                     |          |  |  |  |  |
| 3                 | 16QAM      | 8       | 4         | 19.46                       | 19.31                          | 19.25                        |                     |          |  |  |  |  |
| 3                 | 16QAM      | 8       | 7         | 19.41                       | 19.31                          | 19.30                        | 20.6                | 0        |  |  |  |  |
| 3                 | 16QAM      | 15      | 0         | 19.42                       | 19.39                          | 19.25                        |                     |          |  |  |  |  |
| 3                 | 64QAM      | 1       | 8         | 19.41                       | 19.44                          | 19.40                        |                     |          |  |  |  |  |
| 3                 | 64QAM      | 1       | 14        | 19.43                       | 19.41                          | 19.30                        |                     |          |  |  |  |  |
| 3                 | 64QAM      | 8       | 0         | 19.39                       | 19.50                          | 19.35                        | 20.6                | 0        |  |  |  |  |
| 3                 | 64QAM      | 8       | 4         | 19.47                       | 19.38                          | 19.34                        |                     |          |  |  |  |  |
| 3                 | 64QAM      | 8       | 7         | 19.36                       | 19.36                          | 19.32                        |                     |          |  |  |  |  |
| 3                 | 64QAM      | 15      | 0         | 19.44                       | 19.33                          | 19.24                        |                     |          |  |  |  |  |
| Channel           |            |         |           |                             |                                |                              |                     |          |  |  |  |  |



| Band 7_Ant1 DSI 6 |            |         |           |                       |                          |                        |                     |          |  |
|-------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]          | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel           |            |         |           | 20850                 | 21100                    | 21350                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 2510                  | 2535                     | 2560                   |                     |          |  |
| 20                | QPSK       | 1       | 0         | 21.78                 | 22.02                    | 22.01                  | 23                  | 0        |  |
| 20                | QPSK       | 1       | 49        | 21.88                 | 22.19                    | 22.04                  |                     |          |  |
| 20                | QPSK       | 1       | 99        | 22.03                 | 22.25                    | 22.08                  |                     |          |  |
| 20                | QPSK       | 50      | 0         | 21.92                 | 22.21                    | 22.18                  | 23                  | 0        |  |
| 20                | QPSK       | 50      | 24        | 22.07                 | 22.27                    | 22.20                  |                     |          |  |
| 20                | QPSK       | 50      | 50        | 22.10                 | 22.28                    | 22.14                  |                     |          |  |
| 20                | QPSK       | 100     | 0         | 22.02                 | 22.26                    | 22.21                  | 23                  | 0        |  |
| 20                | 16QAM      | 1       | 0         | 22.18                 | 22.38                    | 22.36                  |                     |          |  |
| 20                | 16QAM      | 1       | 49        | 22.23                 | 22.57                    | 22.41                  |                     |          |  |
| 20                | 16QAM      | 1       | 99        | 22.40                 | 22.56                    | 22.42                  | 23                  | 0        |  |
| 20                | 16QAM      | 50      | 0         | 21.04                 | 21.22                    | 21.19                  |                     |          |  |
| 20                | 16QAM      | 50      | 24        | 21.05                 | 21.29                    | 21.21                  |                     |          |  |
| 20                | 16QAM      | 50      | 50        | 21.12                 | 21.32                    | 21.15                  | 23                  | 0        |  |
| 20                | 16QAM      | 100     | 0         | 21.03                 | 21.28                    | 21.19                  |                     |          |  |
| 20                | 64QAM      | 1       | 0         | 22.03                 | 21.21                    | 21.27                  |                     |          |  |
| 20                | 64QAM      | 1       | 49        | 22.09                 | 21.42                    | 21.28                  | 23                  | 0        |  |
| 20                | 64QAM      | 1       | 99        | 22.25                 | 21.42                    | 21.08                  |                     |          |  |
| 20                | 64QAM      | 50      | 0         | 20.92                 | 20.28                    | 20.23                  |                     |          |  |
| 20                | 64QAM      | 50      | 24        | 21.06                 | 20.34                    | 20.24                  | 22                  | 1        |  |
| 20                | 64QAM      | 50      | 50        | 21.08                 | 20.33                    | 20.17                  |                     |          |  |
| 20                | 64QAM      | 100     | 0         | 21.04                 | 20.28                    | 20.23                  |                     |          |  |
| Channel           |            |         |           | 20825                 | 21100                    | 21375                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 2507.5                | 2535                     | 2562.5                 |                     |          |  |
| 15                | QPSK       | 1       | 0         | 21.75                 | 21.99                    | 21.92                  | 23                  | 0        |  |
| 15                | QPSK       | 1       | 37        | 21.84                 | 22.12                    | 21.96                  |                     |          |  |
| 15                | QPSK       | 1       | 74        | 21.95                 | 22.24                    | 22.07                  |                     |          |  |
| 15                | QPSK       | 36      | 0         | 21.88                 | 22.21                    | 22.06                  | 23                  | 0        |  |
| 15                | QPSK       | 36      | 20        | 21.99                 | 22.26                    | 22.15                  |                     |          |  |
| 15                | QPSK       | 36      | 39        | 22.10                 | 22.23                    | 22.09                  |                     |          |  |
| 15                | QPSK       | 75      | 0         | 21.94                 | 22.26                    | 22.21                  | 23                  | 0        |  |
| 15                | 16QAM      | 1       | 0         | 22.09                 | 22.31                    | 22.27                  |                     |          |  |
| 15                | 16QAM      | 1       | 37        | 22.15                 | 22.54                    | 22.35                  |                     |          |  |
| 15                | 16QAM      | 1       | 74        | 22.38                 | 22.48                    | 22.41                  | 23                  | 0        |  |
| 15                | 16QAM      | 36      | 0         | 21.03                 | 21.13                    | 21.15                  |                     |          |  |
| 15                | 16QAM      | 36      | 20        | 21.05                 | 21.20                    | 21.18                  |                     |          |  |
| 15                | 16QAM      | 36      | 39        | 21.08                 | 21.26                    | 21.15                  | 23                  | 0        |  |
| 15                | 16QAM      | 75      | 0         | 21.06                 | 21.20                    | 21.10                  |                     |          |  |
| 15                | 64QAM      | 1       | 0         | 21.95                 | 21.17                    | 21.20                  |                     |          |  |
| 15                | 64QAM      | 1       | 37        | 22.04                 | 21.32                    | 21.18                  | 23                  | 0        |  |
| 15                | 64QAM      | 1       | 74        | 22.19                 | 21.36                    | 21.05                  |                     |          |  |
| 15                | 64QAM      | 36      | 0         | 20.90                 | 20.23                    | 20.14                  |                     |          |  |
| 15                | 64QAM      | 36      | 20        | 21.00                 | 20.24                    | 20.15                  | 22                  | 1        |  |
| 15                | 64QAM      | 36      | 39        | 21.08                 | 20.25                    | 20.07                  |                     |          |  |
| 15                | 64QAM      | 75      | 0         | 21.02                 | 20.23                    | 20.10                  |                     |          |  |
| Channel           |            |         |           | 20890                 | 21100                    | 21400                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 2505                  | 2535                     | 2565                   |                     |          |  |
| 10                | QPSK       | 1       | 0         | 21.73                 | 22.01                    | 21.98                  | 23                  | 0        |  |
| 10                | QPSK       | 1       | 25        | 21.81                 | 22.09                    | 22.02                  |                     |          |  |
| 10                | QPSK       | 1       | 49        | 21.96                 | 22.16                    | 22.02                  |                     |          |  |
| 10                | QPSK       | 25      | 0         | 21.91                 | 22.19                    | 22.17                  | 23                  | 0        |  |
| 10                | QPSK       | 25      | 12        | 22.02                 | 22.18                    | 22.10                  |                     |          |  |
| 10                | QPSK       | 25      | 25        | 22.02                 | 22.23                    | 22.18                  |                     |          |  |
| 10                | QPSK       | 50      | 0         | 21.97                 | 22.18                    | 22.17                  | 23                  | 0        |  |
| 10                | 16QAM      | 1       | 0         | 22.18                 | 22.30                    | 22.27                  |                     |          |  |
| 10                | 16QAM      | 1       | 25        | 22.16                 | 22.54                    | 22.34                  |                     |          |  |
| 10                | 16QAM      | 1       | 49        | 22.38                 | 22.56                    | 22.37                  | 23                  | 0        |  |
| 10                | 16QAM      | 25      | 0         | 21.03                 | 21.20                    | 21.09                  |                     |          |  |
| 10                | 16QAM      | 25      | 12        | 21.06                 | 21.27                    | 21.12                  |                     |          |  |
| 10                | 16QAM      | 25      | 25        | 21.07                 | 21.29                    | 21.08                  | 23                  | 0        |  |
| 10                | 16QAM      | 50      | 0         | 21.03                 | 21.20                    | 21.13                  |                     |          |  |
| 10                | 64QAM      | 1       | 0         | 21.95                 | 21.18                    | 21.19                  |                     |          |  |
| 10                | 64QAM      | 1       | 25        | 22.04                 | 21.41                    | 21.18                  | 23                  | 0        |  |
| 10                | 64QAM      | 1       | 49        | 22.18                 | 21.38                    | 21.05                  |                     |          |  |
| 10                | 64QAM      | 25      | 0         | 20.90                 | 20.19                    | 20.15                  |                     |          |  |
| 10                | 64QAM      | 25      | 12        | 21.06                 | 20.32                    | 20.14                  | 22                  | 1        |  |
| 10                | 64QAM      | 25      | 25        | 21.06                 | 20.26                    | 20.16                  |                     |          |  |
| 10                | 64QAM      | 50      | 0         | 20.97                 | 20.19                    | 20.23                  |                     |          |  |
| Channel           |            |         |           | 20775                 | 21100                    | 21425                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 2502.5                | 2535                     | 2567.5                 |                     |          |  |
| 5                 | QPSK       | 1       | 0         | 21.78                 | 21.91                    | 21.80                  | 23                  | 0        |  |
| 5                 | QPSK       | 1       | 12        | 21.83                 | 22.11                    | 21.84                  |                     |          |  |
| 5                 | QPSK       | 1       | 24        | 21.94                 | 22.15                    | 22.04                  |                     |          |  |
| 5                 | QPSK       | 12      | 0         | 21.82                 | 22.13                    | 22.10                  | 23                  | 0        |  |
| 5                 | QPSK       | 12      | 7         | 22.07                 | 22.23                    | 22.14                  |                     |          |  |
| 5                 | QPSK       | 12      | 13        | 22.10                 | 22.21                    | 22.13                  |                     |          |  |
| 5                 | QPSK       | 25      | 0         | 22.01                 | 22.26                    | 22.18                  | 23                  | 0        |  |
| 5                 | 16QAM      | 1       | 0         | 22.17                 | 22.32                    | 22.34                  |                     |          |  |
| 5                 | 16QAM      | 1       | 12        | 22.20                 | 22.49                    | 22.41                  |                     |          |  |
| 5                 | 16QAM      | 1       | 24        | 22.38                 | 22.53                    | 22.36                  | 23                  | 0        |  |
| 5                 | 16QAM      | 12      | 0         | 21.02                 | 21.12                    | 21.10                  |                     |          |  |
| 5                 | 16QAM      | 12      | 7         | 21.06                 | 21.19                    | 21.20                  |                     |          |  |
| 5                 | 16QAM      | 12      | 13        | 21.09                 | 21.25                    | 21.14                  | 23                  | 0        |  |
| 5                 | 16QAM      | 25      | 0         | 21.06                 | 21.24                    | 21.18                  |                     |          |  |
| 5                 | 64QAM      | 1       | 0         | 22.01                 | 21.17                    | 21.22                  |                     |          |  |
| 5                 | 64QAM      | 1       | 12        | 21.99                 | 21.35                    | 21.20                  | 23                  | 0        |  |
| 5                 | 64QAM      | 1       | 24        | 22.19                 | 21.34                    | 21.06                  |                     |          |  |
| 5                 | 64QAM      | 12      | 0         | 20.91                 | 20.28                    | 20.17                  |                     |          |  |
| 5                 | 64QAM      | 12      | 7         | 20.99                 | 20.31                    | 20.19                  | 22                  | 1        |  |
| 5                 | 64QAM      | 12      | 13        | 20.98                 | 20.29                    | 20.10                  |                     |          |  |
| 5                 | 64QAM      | 25      | 0         | 20.94                 | 20.25                    | 20.23                  |                     |          |  |

| Band 7_Ant2 DSI 3 |            |         |           |                       |                          |                        |                     |          |  |
|-------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]          | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel           |            |         |           | 20850                 | 21100                    | 21350                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 2510                  | 2535                     | 2560                   |                     |          |  |
| 20                | QPSK       | 1       | 0         | 19.10                 | 19.48                    | 19.23                  | 21.1                | 0        |  |
| 20                | QPSK       | 1       | 49        | 19.14                 | 19.42                    | 19.23                  |                     |          |  |
| 20                | QPSK       | 1       | 99        | 19.32                 | 19.29                    | 19.23                  |                     |          |  |
| 20                | QPSK       | 50      | 0         | 19.20                 | 19.54                    | 19.38                  | 21.1                | 0        |  |
| 20                | QPSK       | 50      | 24        | 19.35                 | 19.53                    | 19.40                  |                     |          |  |
| 20                | QPSK       | 50      | 50        | 19.37                 | 19.47                    | 19.32                  |                     |          |  |
| 20                | QPSK       | 100     | 0         | 19.34                 | 19.51                    | 19.40                  | 21.1                | 0        |  |
| 20                | 16QAM      | 1       | 0         | 19.45                 | 19.63                    | 19.61                  |                     |          |  |
| 20                | 16QAM      | 1       | 49        | 19.54                 | 19.78                    | 19.58                  |                     |          |  |
| 20                | 16QAM      | 1       | 99        | 19.72                 | 19.83                    | 19.60                  | 21.1                | 0        |  |
| 20                | 16QAM      | 50      | 0         | 19.12                 | 19.30                    | 19.20                  |                     |          |  |
| 20                | 16QAM      | 50      | 24        | 19.15                 | 19.36                    | 19.21                  |                     |          |  |
| 20                | 16QAM      | 50      | 50        | 19.19                 | 19.37                    | 19.15                  | 21.1                | 0        |  |
| 20                | 16QAM      | 100     | 0         | 19.14                 | 19.30                    | 19.20                  |                     |          |  |
| 20                | 64QAM      | 1       | 0         | 19.11                 | 19.30                    | 19.32                  |                     |          |  |
| 20                | 64QAM      | 1       | 49        | 19.20                 | 19.52                    | 19.30                  | 21.1                | 0        |  |
| 20                | 64QAM      | 1       | 99        | 19.39                 | 19.46                    | 19.29                  |                     |          |  |
| 20                | 64QAM      | 50      | 0         | 18.10                 | 18.33                    | 18.22                  |                     |          |  |
| 20                | 64QAM      | 50      | 24        | 18.17                 | 18.39                    | 18.26                  | 20.1                | 1        |  |
| 20                | 64QAM      | 50      | 50        | 18.21                 | 18.38                    | 18.15                  |                     |          |  |
| 20                | 64QAM      | 100     | 0         | 18.15                 | 18.34                    | 18.25                  |                     |          |  |
| Channel           |            |         |           | 20825                 | 21100                    | 21375                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 2507.5                | 2535                     | 2562.5                 |                     |          |  |
| 15                | QPSK       | 1       | 0         | 19.12                 | 19.28                    | 19.23                  | 21.1                | 0        |  |
| 15                | QPSK       | 1       | 37        | 19.11                 | 19.40                    | 19.21                  |                     |          |  |
| 15                | QPSK       | 1       | 74        | 19.28                 | 19.44                    | 19.21                  |                     |          |  |
| 15                | QPSK       | 36      | 0         | 19.13                 | 19.41                    | 19.37                  | 21.1                | 0        |  |
| 15                | QPSK       | 36      | 20        | 19.31                 | 19.46                    | 19.36                  |                     |          |  |
| 15                | QPSK       | 36      | 39        | 19.35                 | 19.47                    | 19.24                  |                     |          |  |
| 15                | QPSK       | 75      | 0         | 19.34                 | 19.51                    | 19.38                  | 21.1                | 0        |  |
| 15                | 16QAM      | 1       | 0         | 19.38                 | 19.57                    | 19.59                  |                     |          |  |
| 15                | 16QAM      | 1       | 37        | 19.52                 | 19.69                    | 19.49                  |                     |          |  |
| 15                | 16QAM      | 1       | 74        | 19.71                 | 19.83                    | 19.52                  | 21.1                | 0        |  |
| 15                | 16QAM      | 36      | 0         | 19.11                 | 19.22                    | 19.13                  |                     |          |  |
| 15                | 16QAM      | 36      | 20        | 19.12                 | 19.29                    | 19.11                  |                     |          |  |
| 15                | 16QAM      | 36      | 39        | 19.16                 | 19.29                    | 19.14                  | 21.1                | 0        |  |
| 15                | 16QAM      | 75      | 0         | 19.15                 | 19.24                    | 19.14                  |                     |          |  |
| 15                | 64QAM      | 1       | 0         | 19.16                 | 19.27                    | 19.27                  |                     |          |  |
| 15                | 64QAM      | 1       | 37        | 19.15                 | 19.42                    | 19.20                  | 21.1                | 0        |  |
| 15                | 64QAM      | 1       | 74        | 19.31                 | 19.47                    | 19.19                  |                     |          |  |
| 15                | 64QAM      | 36      | 0         | 18.16                 | 18.24                    | 18.17                  |                     |          |  |
| 15                | 64QAM      | 36      | 20        | 18.15                 | 18.39                    | 18.18                  | 20.1                | 1        |  |
| 15                | 64QAM      | 36      | 39        | 18.17                 | 18.31                    | 18.12                  |                     |          |  |
| 15                | 64QAM      | 75      | 0         | 18.14                 | 18.34                    | 18.22                  |                     |          |  |
| Channel           |            |         |           | 20800                 | 21100                    | 21400                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 2505                  | 2535                     | 2565                   |                     |          |  |
| 10                | QPSK       | 1       | 0         | 19.13                 | 19.28                    | 19.22                  | 21.1                | 0        |  |
| 10                | QPSK       | 1       | 25        | 19.14                 | 19.32                    | 19.20                  |                     |          |  |
| 10                | QPSK       | 1       | 49        | 19.24                 | 19.42                    | 19.14                  |                     |          |  |
| 10                | QPSK       | 25      | 0         | 19.16                 | 19.42                    | 19.35                  | 21.1                | 0        |  |
| 10                | QPSK       | 25      | 12        | 19.25                 | 19.45                    | 19.33                  |                     |          |  |
| 10                | QPSK       | 25      | 25        | 19.35                 | 19.46                    | 19.23                  |                     |          |  |
| 10                | QPSK       | 50      | 0         | 19.33                 | 19.41                    | 19.30                  | 21.1                | 0        |  |
| 10                | 16QAM      | 1       | 0         | 19.39                 | 19.59                    | 19.57                  |                     |          |  |
| 10                | 16QAM      | 1       | 25        | 19.52                 | 19.77                    | 19.52                  |                     |          |  |
| 10                | 16QAM      | 1       | 49        | 19.71                 | 19.74                    | 19.51                  | 21.1                | 0        |  |
| 10                | 16QAM      | 25      | 0         | 19.10                 | 19.24                    | 19.11                  |                     |          |  |
| 10                | 16QAM      | 25      | 12        | 19.12                 | 19.27                    | 19.18                  |                     |          |  |
| 10                | 16QAM      | 25      | 25        | 19.14                 | 19.33                    | 19.11                  | 21.1                | 0        |  |
| 10                | 16QAM      | 50      | 0         | 19.11                 | 19.23                    | 19.15                  |                     |          |  |
| 10                | 64QAM      | 1       | 0         | 19.12                 | 19.28                    | 19.31                  |                     |          |  |
| 10                | 64QAM      | 1       | 25        | 19.13                 | 19.37                    | 19.23                  | 21.1                | 0        |  |
| 10                | 64QAM      | 1       | 49        | 19.30                 | 19.37                    | 19.21                  |                     |          |  |
| 10                | 64QAM      | 25      | 0         | 18.12                 | 18.31                    | 18.19                  |                     |          |  |
| 10                | 64QAM      | 25      | 12        | 18.13                 | 18.29                    | 18.21                  | 20.1                | 1        |  |
| 10                | 64QAM      | 25      | 25        | 18.20                 | 18.30                    | 18.10                  |                     |          |  |
| 10                | 64QAM      | 50      | 0         | 18.11                 | 18.25                    | 18.23                  |                     |          |  |
| Channel           |            |         |           | 20775                 | 21100                    | 21425                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 2502.5                | 2535                     | 2567.5                 |                     |          |  |
| 5                 | QPSK       | 1       | 0         | 19.12                 | 19.19                    | 19.21                  | 21.1                | 0        |  |
| 5                 | QPSK       | 1       | 12        | 19.10                 | 19.41                    | 19.21                  |                     |          |  |
| 5                 | QPSK       | 1       | 24        | 19.24                 | 19.42                    | 19.17                  |                     |          |  |
| 5                 | QPSK       | 12      | 0         | 19.12                 | 19.37                    | 19.37                  | 21.1                | 0        |  |
| 5                 | QPSK       | 12      | 7         | 19.13                 | 19.30                    | 19.32                  |                     |          |  |
| 5                 | QPSK       | 12      | 13        | 19.29                 | 19.54                    | 19.23                  |                     |          |  |
| 5                 | QPSK       | 25      | 0         | 19.29                 | 19.43                    | 19.33                  | 21.1                | 0        |  |
| 5                 | 16QAM      | 1       | 0         | 19.43                 | 19.57                    | 19.55                  |                     |          |  |
| 5                 | 16QAM      | 1       | 12        | 19.47                 | 19.77                    | 19.58                  |                     |          |  |
| 5                 | 16QAM      | 1       | 24        | 19.67                 | 19.76                    | 19.55                  | 21.1                | 0        |  |
| 5                 | 16QAM      | 12      | 0         | 19.11                 | 19.27                    | 19.15                  |                     |          |  |
| 5                 | 16QAM      | 12      | 7         | 19.10                 | 19.36                    | 19.15                  |                     |          |  |
| 5                 | 16QAM      | 12      | 13        | 19.17                 | 19.36                    | 19.12                  | 21.1                | 0        |  |
| 5                 | 16QAM      | 25      | 0         | 19.15                 | 19.27                    | 19.10                  |                     |          |  |
| 5                 | 64QAM      | 1       | 0         | 19.12                 | 19.27                    | 19.23                  |                     |          |  |
| 5                 | 64QAM      | 1       | 12        | 19.18                 | 19.48                    | 19.20                  | 21.1                | 0        |  |
| 5                 | 64QAM      | 1       | 24        | 19.38                 | 19.37                    | 19.25                  |                     |          |  |
| 5                 | 64QAM      | 12      | 0         | 18.12                 | 18.29                    | 18.15                  |                     |          |  |
| 5                 | 64QAM      | 12      | 7         | 18.15                 | 18.36                    | 18.20                  | 20.1                | 1        |  |
| 5                 | 64QAM      | 12      | 13        | 18.14                 | 18.37                    | 18.28                  |                     |          |  |
| 5                 | 64QAM      | 25      | 0         | 18.13                 | 18.27                    | 18.22                  |                     |          |  |

| Band 66_Ant1 DSI 3 |            |         |           |                       |                          |                        |                     |          |  |  |  |
|--------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|--|--|
| 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         | 21.14                 | 21.12                    | 21.05                  | 22                  | 0        |  |  |  |
| 20                 | QPSK       | 1       | 49        | 21.05                 | 20.98                    | 20.90                  |                     |          |  |  |  |
| 20                 | QPSK       | 1       | 99        | 20.96                 | 20.91                    | 20.78                  |                     |          |  |  |  |
| 20                 | QPSK       | 50      | 0         | 21.15                 | 21.11                    | 21.04                  |                     |          |  |  |  |
| 20                 | QPSK       | 50      | 24        | 21.13                 | 21.08                    | 20.99                  | 22                  | 0        |  |  |  |
| 20                 | QPSK       | 50      | 50        | 21.14                 | 21.09                    | 21.00                  |                     |          |  |  |  |
| 20                 | QPSK       | 100     | 0         | 21.18                 | 21.04                    | 21.00                  |                     |          |  |  |  |
| 20                 | 16QAM      | 1       | 0         | 21.53                 | 21.50                    | 21.39                  |                     |          |  |  |  |
| 20                 | 16QAM      | 1       | 49        | 21.42                 | 21.33                    | 21.24                  | 22                  | 0        |  |  |  |
| 20                 | 16QAM      | 1       | 99        | 21.31                 | 21.20                    | 21.12                  |                     |          |  |  |  |
| 20                 | 16QAM      | 50      | 0         | 20.96                 | 20.92                    | 20.85                  |                     |          |  |  |  |
| 20                 | 16QAM      | 50      | 24        | 21.03                 | 20.90                    | 20.83                  |                     |          |  |  |  |
| 20                 | 16QAM      | 50      | 50        | 20.97                 | 20.92                    | 20.81                  | 22                  | 0        |  |  |  |
| 20                 | 16QAM      | 100     | 0         | 20.99                 | 20.85                    | 20.83                  |                     |          |  |  |  |
| 20                 | 16QAM      | 1       | 0         | 21.14                 | 21.11                    | 21.02                  |                     |          |  |  |  |
| 20                 | 16QAM      | 1       | 49        | 21.04                 | 20.97                    | 20.93                  |                     |          |  |  |  |
| 20                 | 16QAM      | 1       | 99        | 21.04                 | 20.98                    | 20.82                  | 22                  | 0        |  |  |  |
| 20                 | 16QAM      | 50      | 0         | 19.98                 | 19.96                    | 19.88                  |                     |          |  |  |  |
| 20                 | 16QAM      | 50      | 24        | 20.04                 | 19.91                    | 19.84                  |                     |          |  |  |  |
| 20                 | 16QAM      | 50      | 50        | 19.98                 | 19.92                    | 19.84                  |                     |          |  |  |  |
| 20                 | 16QAM      | 100     | 0         | 20.04                 | 19.90                    | 19.81                  | 21                  | 1        |  |  |  |
| Channel            |            |         |           | 132047                | 132322                   | 132597                 |                     |          |  |  |  |
| Frequency (MHz)    |            |         |           | 1717.5                | 1745                     | 1772.5                 | Tune-up limit (dBm) |          |  |  |  |
| 15                 | QPSK       | 1       | 0         | 21.07                 | 21.08                    | 21.02                  | 22                  | 0        |  |  |  |
| 15                 | QPSK       | 1       | 37        | 21.05                 | 20.93                    | 20.81                  |                     |          |  |  |  |
| 15                 | QPSK       | 1       | 74        | 20.91                 | 20.88                    | 20.78                  |                     |          |  |  |  |
| 15                 | QPSK       | 36      | 0         | 21.05                 | 21.02                    | 20.96                  |                     |          |  |  |  |
| 15                 | QPSK       | 36      | 20        | 21.06                 | 20.99                    | 20.97                  | 22                  | 0        |  |  |  |
| 15                 | QPSK       | 36      | 39        | 21.09                 | 21.00                    | 20.96                  |                     |          |  |  |  |
| 15                 | QPSK       | 75      | 0         | 21.15                 | 21.04                    | 20.91                  |                     |          |  |  |  |
| 15                 | 16QAM      | 1       | 0         | 21.46                 | 21.49                    | 21.39                  |                     |          |  |  |  |
| 15                 | 16QAM      | 1       | 37        | 21.37                 | 21.28                    | 21.20                  | 22                  | 0        |  |  |  |
| 15                 | 16QAM      | 1       | 74        | 21.22                 | 21.14                    | 21.03                  |                     |          |  |  |  |
| 15                 | 16QAM      | 36      | 0         | 20.86                 | 20.86                    | 20.77                  |                     |          |  |  |  |
| 15                 | 16QAM      | 36      | 20        | 20.94                 | 20.83                    | 20.73                  |                     |          |  |  |  |
| 15                 | 16QAM      | 36      | 39        | 20.91                 | 20.88                    | 20.78                  | 22                  | 0        |  |  |  |
| 15                 | 16QAM      | 75      | 0         | 20.93                 | 20.81                    | 20.75                  |                     |          |  |  |  |
| 15                 | 16QAM      | 1       | 0         | 21.09                 | 21.10                    | 21.01                  |                     |          |  |  |  |
| 15                 | 16QAM      | 1       | 37        | 20.97                 | 20.88                    | 20.85                  |                     |          |  |  |  |
| 15                 | 16QAM      | 1       | 74        | 20.94                 | 20.96                    | 20.73                  | 21                  | 1        |  |  |  |
| 15                 | 16QAM      | 36      | 0         | 19.88                 | 19.89                    | 19.81                  |                     |          |  |  |  |
| 15                 | 16QAM      | 36      | 20        | 19.94                 | 19.88                    | 19.83                  |                     |          |  |  |  |
| 15                 | 16QAM      | 36      | 39        | 19.90                 | 19.84                    | 19.74                  |                     |          |  |  |  |
| 15                 | 16QAM      | 75      | 0         | 19.94                 | 19.90                    | 19.71                  | Channel             |          |  |  |  |
| Frequency (MHz)    |            |         |           | 132022                | 132322                   | 132622                 | Tune-up limit (dBm) |          |  |  |  |
|                    |            |         |           | 1715                  | 1745                     | 1775                   |                     |          |  |  |  |
| 10                 | QPSK       | 1       | 0         | 21.09                 | 21.02                    | 20.95                  | 22                  | 0        |  |  |  |
| 10                 | QPSK       | 1       | 25        | 21.02                 | 20.91                    | 20.86                  |                     |          |  |  |  |
| 10                 | QPSK       | 1       | 49        | 20.86                 | 20.85                    | 20.68                  |                     |          |  |  |  |
| 10                 | QPSK       | 25      | 0         | 21.10                 | 21.01                    | 20.96                  |                     |          |  |  |  |
| 10                 | QPSK       | 25      | 12        | 21.13                 | 21.06                    | 20.92                  | 22                  | 0        |  |  |  |
| 10                 | QPSK       | 25      | 25        | 21.11                 | 21.02                    | 20.96                  |                     |          |  |  |  |
| 10                 | QPSK       | 50      | 0         | 21.16                 | 21.04                    | 20.95                  |                     |          |  |  |  |
| 10                 | 16QAM      | 1       | 0         | 21.53                 | 21.47                    | 21.34                  |                     |          |  |  |  |
| 10                 | 16QAM      | 1       | 25        | 21.38                 | 21.30                    | 21.19                  | 22                  | 0        |  |  |  |
| 10                 | 16QAM      | 1       | 49        | 21.26                 | 21.17                    | 21.11                  |                     |          |  |  |  |
| 10                 | 16QAM      | 25      | 0         | 20.88                 | 20.91                    | 20.77                  |                     |          |  |  |  |
| 10                 | 16QAM      | 25      | 12        | 21.00                 | 20.82                    | 20.75                  |                     |          |  |  |  |
| 10                 | 16QAM      | 25      | 25        | 20.94                 | 20.88                    | 20.72                  | 22                  | 0        |  |  |  |
| 10                 | 16QAM      | 50      | 0         | 20.99                 | 20.78                    | 20.75                  |                     |          |  |  |  |
| 10                 | 16QAM      | 1       | 0         | 21.08                 | 21.10                    | 20.95                  |                     |          |  |  |  |
| 10                 | 16QAM      | 1       | 25        | 20.98                 | 20.94                    | 20.83                  |                     |          |  |  |  |
| 10                 | 16QAM      | 1       | 49        | 21.04                 | 20.88                    | 20.81                  | 22                  | 0        |  |  |  |
| 10                 | 16QAM      | 25      | 0         | 19.96                 | 19.94                    | 19.80                  |                     |          |  |  |  |
| 10                 | 16QAM      | 25      | 12        | 20.02                 | 19.83                    | 19.79                  |                     |          |  |  |  |
| 10                 | 16QAM      | 25      | 25        | 19.90                 | 19.87                    | 19.74                  |                     |          |  |  |  |
| 10                 | 16QAM      | 50      | 0         | 20.00                 | 19.85                    | 19.72                  | Channel             |          |  |  |  |
| Frequency (MHz)    |            |         |           | 131997                | 132322                   | 132647                 | Tune-up limit (dBm) |          |  |  |  |
|                    |            |         |           | 1712.5                | 1745                     | 1777.5                 |                     |          |  |  |  |
| 5                  | QPSK       | 1       | 0         | 21.08                 | 21.02                    | 21.04                  | 22                  | 0        |  |  |  |
| 5                  | QPSK       | 1       | 12        | 21.04                 | 20.97                    | 20.84                  |                     |          |  |  |  |
| 5                  | QPSK       | 1       | 24        | 20.89                 | 20.86                    | 20.76                  |                     |          |  |  |  |
| 5                  | QPSK       | 12      | 0         | 21.12                 | 21.03                    | 20.97                  |                     |          |  |  |  |
| 5                  | QPSK       | 12      | 7         | 21.07                 | 20.98                    | 20.91                  | 22                  | 0        |  |  |  |
| 5                  | QPSK       | 12      | 13        | 21.08                 | 21.06                    | 20.96                  |                     |          |  |  |  |
| 5                  | QPSK       | 25      | 0         | 21.17                 | 20.95                    | 20.97                  |                     |          |  |  |  |
| 5                  | 16QAM      | 1       | 0         | 21.49                 | 21.41                    | 21.33                  |                     |          |  |  |  |
| 5                  | 16QAM      | 1       | 12        | 21.36                 | 21.24                    | 21.19                  | 22                  | 0        |  |  |  |
| 5                  | 16QAM      | 1       | 24        | 21.30                 | 21.19                    | 21.03                  |                     |          |  |  |  |
| 5                  | 16QAM      | 12      | 0         | 20.95                 | 20.89                    | 20.80                  |                     |          |  |  |  |
| 5                  | 16QAM      | 12      | 7         | 21.00                 | 20.88                    | 20.73                  |                     |          |  |  |  |
| 5                  | 16QAM      | 12      | 13        | 20.96                 | 20.82                    | 20.73                  | 22                  | 0        |  |  |  |
| 5                  | 16QAM      | 25      | 0         | 20.91                 | 20.78                    | 20.80                  |                     |          |  |  |  |
| 5                  | 16QAM      | 1       | 0         | 21.04                 | 21.10                    | 20.97                  |                     |          |  |  |  |
| 5                  | 16QAM      | 1       | 12        | 20.95                 | 20.88                    | 20.90                  |                     |          |  |  |  |
| 5                  | 16QAM      | 1       | 24        | 21.02                 | 20.95                    | 20.80                  | 22                  | 0        |  |  |  |
| 5                  | 16QAM      | 12      | 0         | 19.88                 | 19.95                    | 19.82                  |                     |          |  |  |  |
| 5                  | 16QAM      | 12      | 7         | 20.02                 | 19.83                    | 19.78                  |                     |          |  |  |  |
| 5                  | 16QAM      | 12      | 13        | 19.93                 | 19.92                    | 19.82                  |                     |          |  |  |  |
| 5                  | 16QAM      | 25      | 0         | 19.97                 | 19.86                    | 19.78                  | 21                  | 1        |  |  |  |
| Channel            |            |         |           | 131987                | 132322                   | 132652                 |                     |          |  |  |  |
| Frequency (MHz)    |            |         |           | 1711.5                | 1745                     | 1778.5                 | Tune-up limit (dBm) |          |  |  |  |
| 3                  | QPSK       | 1       | 0         | 21.05                 | 21.09                    | 20.97                  | 22                  | 0        |  |  |  |
| 3                  | QPSK       | 1       | 8         | 21.03                 | 20.89                    | 20.87                  |                     |          |  |  |  |
| 3                  | QPSK       | 1       | 14        | 20.96                 | 20.81                    | 20.69                  |                     |          |  |  |  |
| 3                  | QPSK       | 8       | 0         | 21.14                 | 21.08                    | 20.95                  |                     |          |  |  |  |
| 3                  | QPSK       | 8       | 4         | 21.12                 | 21.07                    | 20.94                  | 22                  | 0        |  |  |  |
| 3                  | QPSK       | 8       | 7         | 21.08                 | 21.04                    | 20.95                  |                     |          |  |  |  |
| 3                  | QPSK       | 15      | 0         | 21.14                 | 20.95                    | 20.95                  |                     |          |  |  |  |
| 3                  | 16QAM      | 1       | 0         | 21.49                 | 21.45                    | 21.38                  |                     |          |  |  |  |
| 3                  | 16QAM      | 1       | 8         | 21.39                 | 21.31                    | 21.19                  | 22                  | 0        |  |  |  |
| 3                  | 16QAM      | 1       | 14        | 21.33                 | 21.16                    | 21.11                  |                     |          |  |  |  |
| 3                  | 16QAM      | 8       | 0         | 20.86                 | 20.85                    | 20.82                  |                     |          |  |  |  |
| 3                  | 16QAM      | 8       | 4         | 21.03                 | 20.82                    | 20.75                  |                     |          |  |  |  |
| 3                  | 16QAM      | 8       | 7         | 20.95                 | 20.85                    | 20.72                  | 22                  | 0        |  |  |  |
| 3                  | 16QAM      | 15      | 0         | 20.93                 | 20.77                    | 20.74                  |                     |          |  |  |  |
| 3                  | 16QAM      | 1       | 0         | 21.12                 | 21.05                    | 21.02                  |                     |          |  |  |  |
| 3                  | 16QAM      | 1       | 8         | 20.94                 | 20.91                    | 20.89                  |                     |          |  |  |  |
| 3                  | 16QAM      | 1       | 14        | 20.95                 | 20.95                    | 20.77                  | 22                  | 0        |  |  |  |
| 3                  | 16QAM      | 8       | 0         | 19.97                 | 19.88                    | 19.80                  |                     |          |  |  |  |
| 3                  | 16QAM      | 8       | 4         | 20.03                 | 19.84                    | 19.75                  |                     |          |  |  |  |
| 3                  | 16QAM      | 8       | 7         | 19.98                 | 19.86                    | 19.78                  |                     |          |  |  |  |
| 3                  | 16QAM      | 15      | 0         | 19.99                 | 19.88                    | 19.76                  | 21                  | 1        |  |  |  |
| Channel            |            |         |           | 131979                | 132322                   | 132665                 |                     |          |  |  |  |
| Frequency (MHz)    |            |         |           | 1710.7                | 1745                     | 1779.3                 | Tune-up limit (dBm) |          |  |  |  |
| 1.4                | QPSK       | 1       | 0         | 21.09                 | 21.09                    | 20.98                  | 22                  | 0        |  |  |  |
| 1.4                | QPSK       | 1       | 3         | 20.98                 | 20.88                    | 20.86                  |                     |          |  |  |  |
| 1.4                | QPSK       | 1       | 5         | 20.88                 | 20.87                    | 20.68                  |                     |          |  |  |  |
| 1.4                | QPSK       | 3       | 0         | 21.09                 | 21.10                    | 21.00                  |                     |          |  |  |  |
| 1.4                | QPSK       | 3       | 1         | 21.04                 | 21.02                    | 20.95                  | 22                  | 0        |  |  |  |
| 1.4                | QPSK       | 3       | 3         | 21.13                 | 21.04                    | 20.98                  |                     |          |  |  |  |
| 1.4                | QPSK       | 6       | 0         | 21.18                 | 20.99                    | 20.95                  |                     |          |  |  |  |
| 1.4                | 16QAM      | 1       | 0         | 21.48                 | 21.47                    | 21.38                  |                     |          |  |  |  |
| 1.4                | 16QAM      | 1       | 3         | 21.39                 | 21.33                    | 21.16                  | 22                  | 0        |  |  |  |
| 1.4                | 16QAM      | 1       | 5         | 21.30                 | 21.15                    | 21.02                  |                     |          |  |  |  |
| 1.4                | 16QAM      | 3       | 0         | 20.92                 | 20.89                    | 20.82                  |                     |          |  |  |  |
| 1.4                | 16QAM      | 3       | 1         | 20.96                 | 20.81                    | 20.74                  |                     |          |  |  |  |
| 1.4                | 16QAM      | 3       | 3         | 20.95                 | 20.86                    | 20.76                  | 22                  | 0        |  |  |  |
| 1.4                | 16QAM      | 6       | 0         | 20.86                 | 20.79                    | 20.82                  |                     |          |  |  |  |
| 1.4                | 16QAM      | 1       | 0         | 21.06                 | 21.07                    | 20.97                  |                     |          |  |  |  |
| 1.4                | 16QAM      | 1       | 3         | 21.00                 | 20.88                    | 20.86                  |                     |          |  |  |  |
| 1.4                | 16QAM      | 1       | 5         | 20.98                 | 20.97                    | 20.74                  | 22                  | 0        |  |  |  |
| 1.4                | 16QAM      | 3       | 0         | 21.00                 | 21.08                    | 20.98                  |                     |          |  |  |  |
| 1.4                | 16QAM      | 3       | 1         | 20.99                 | 20.79                    | 20.80                  |                     |          |  |  |  |
| 1.4                | 16QAM      | 3       | 3         | 20.92                 | 20.87                    | 20.74                  |                     |          |  |  |  |
| 1.4                | 16QAM      | 6       | 0         | 20.80                 | 19.82                    | 19.79                  | 21                  | 1        |  |  |  |

| Band 36 Ant 1 DS1 3 |      |            |          |            |                |                |                 |                     |         |
|---------------------|------|------------|----------|------------|----------------|----------------|-----------------|---------------------|---------|
| Ch                  | BSID | Modulation | RIS Size | RIS Offset | Power Low (mW) | Power Med (mW) | Power High (mW) | Turn-up time (secs) | SPR (%) |
| Channel             |      |            |          |            | 3.7650         | 3.7650         | 3.7650          |                     |         |
| 20                  | QPSK | 1          | 0        | 19.53      | 20.35          | 21.05          |                 |                     |         |
| 20                  | QPSK | 1          | 49       | 19.47      | 19.38          | 20.25          | 21.1            | 0                   |         |
| 20                  | QPSK | 1          | 99       | 19.32      | 19.24          | 19.94          |                 |                     |         |
| 20                  | QPSK | 50         | 0        | 19.46      | 20.25          | 20.55          |                 |                     |         |
| 20                  | QPSK | 50         | 49       | 19.74      | 19.55          | 20.15          | 21.1            | 0                   |         |
| 20                  | QPSK | 50         | 99       | 19.30      | 19.35          | 19.35          |                 |                     |         |
| 20                  | QPSK | 100        | 0        | 19.34      | 20.05          | 20.15          |                 |                     |         |
| 20                  | QPSK | 100        | 49       | 19.30      | 20.25          | 20.25          | 21.1            | 0                   |         |
| 20                  | QPSK | 100        | 99       | 19.30      | 19.35          | 19.35          |                 |                     |         |
| 20                  | QPSK | 100        | 149      | 19.30      | 20.12          | 20.12          | 21.1            | 0                   |         |
| 20                  | QPSK | 100        | 199      | 19.47      | 19.47          | 19.47          |                 |                     |         |
| 20                  | QPSK | 1          | 0        | 19.31      | 19.31          | 19.28          | 21.1            | 0                   |         |
| 20                  | QPSK | 1          | 49       | 19.51      | 19.51          | 19.29          |                 |                     |         |
| 20                  | QPSK | 1          | 99       | 19.51      | 19.42          | 19.26          |                 |                     |         |
| 20                  | QPSK | 50         | 0        | 19.50      | 19.50          | 19.50          |                 |                     |         |
| 20                  | QPSK | 50         | 49       | 19.40      | 19.30          | 19.24          | 21.1            | 0                   |         |
| 20                  | QPSK | 50         | 99       | 19.40      | 19.30          | 19.24          |                 |                     |         |
| 20                  | QPSK | 100        | 0        | 19.37      | 19.37          | 19.37          |                 |                     |         |
| 20                  | QPSK | 100        | 0        | 19.37      | 19.37          | 19.37          |                 |                     |         |
| Frequency (MHz)     |      |            |          |            | 2077.5         | 2081           | 2082.5          | Turn-up time (secs) | SPR (%) |
| 15                  | QPSK | 1          | 0        | 19.53      | 20.35          | 21.05          |                 |                     |         |
| 15                  | QPSK | 1          | 37       | 19.37      | 19.38          | 19.29          | 21.1            | 0                   |         |
| 15                  | QPSK | 1          | 75       | 19.37      | 19.38          | 19.29          |                 |                     |         |
| 15                  | QPSK | 50         | 0        | 19.44      | 20.11          | 20.24          |                 |                     |         |
| 15                  | QPSK | 50         | 37       | 19.48      | 19.39          | 19.39          | 21.1            | 0                   |         |
| 15                  | QPSK | 50         | 75       | 19.40      | 19.25          | 19.25          |                 |                     |         |
| 15                  | QPSK | 100        | 0        | 19.30      | 20.05          | 20.15          |                 |                     |         |
| 15                  | QPSK | 100        | 37       | 19.30      | 20.25          | 20.25          | 21.1            | 0                   |         |
| 15                  | QPSK | 100        | 75       | 19.27      | 19.35          | 19.27          |                 |                     |         |
| 15                  | QPSK | 100        | 113      | 19.29      | 19.29          | 19.27          | 21.1            | 0                   |         |
| 15                  | QPSK | 50         | 20       | 19.46      | 19.36          | 19.35          |                 |                     |         |
| 15                  | QPSK | 50         | 58       | 19.39      | 19.39          | 19.39          | 21.1            | 0                   |         |
| 15                  | QPSK | 50         | 96       | 19.49      | 19.25          | 19.24          |                 |                     |         |
| 15                  | QPSK | 100        | 0        | 19.30      | 19.30          | 19.30          |                 |                     |         |
| 15                  | QPSK | 100        | 37       | 19.30      | 19.30          | 19.30          | 21.1            | 0                   |         |
| 15                  | QPSK | 100        | 75       | 19.30      | 19.30          | 19.30          |                 |                     |         |
| 15                  | QPSK | 100        | 113      | 19.30      | 19.30          | 19.30          | 21.1            | 0                   |         |
| 15                  | QPSK | 100        | 151      | 19.44      | 19.44          | 19.47          |                 |                     |         |
| Channel             |      |            |          |            | 2079           | 2085           | 2087.5          | Turn-up time (secs) | SPR (%) |
| 10                  | QPSK | 1          | 0        | 19.72      | 20.52          | 20.11          |                 |                     |         |
| 10                  | QPSK | 1          | 37       | 19.76      | 19.76          | 19.81          | 21.1            | 0                   |         |
| 10                  | QPSK | 1          | 75       | 19.76      | 19.76          | 19.81          |                 |                     |         |
| 10                  | QPSK | 50         | 0        | 19.37      | 19.35          | 19.36          |                 |                     |         |
| 10                  | QPSK | 50         | 37       | 19.37      | 19.35          | 19.36          | 21.1            | 0                   |         |
| 10                  | QPSK | 50         | 75       | 19.37      | 19.35          | 19.36          |                 |                     |         |
| 10                  | QPSK | 100        | 0        | 19.41      | 19.41          | 19.41          |                 |                     |         |
| 10                  | QPSK | 100        | 37       | 19.41      | 19.41          | 19.41          | 21.1            | 0                   |         |
| 10                  | QPSK | 100        | 75       | 19.41      | 19.41          | 19.41          |                 |                     |         |
| 10                  | QPSK | 100        | 113      | 19.41      | 19.41          | 19.41          | 21.1            | 0                   |         |
| 10                  | QPSK | 50         | 0        | 19.41      | 19.25          | 19.40          |                 |                     |         |
| 10                  | QPSK | 50         | 37       | 19.41      | 19.25          | 19             |                 |                     |         |
| 10                  | QPSK | 1          | 25       | 19.29      | 19.36          | 19.24          | 21.1            | 0                   |         |
| 10                  | QPSK | 1          | 49       | 19.49      | 19.49          | 19.49          |                 |                     |         |
| 10                  | QPSK | 25         | 0        | 19.44      | 19.43          | 19.43          |                 |                     |         |
| 10                  | QPSK | 25         | 49       | 19.44      | 19.43          | 19.43          | 21.1            | 0                   |         |
| 10                  | QPSK | 25         | 99       | 19.44      | 19.43          | 19.43          |                 |                     |         |
| 10                  | QPSK | 25         | 149      | 19.44      | 19.43          | 19.43          | 21.1            | 0                   |         |
| Channel             |      |            |          |            | 3.7795         | 3.7900         | 3.8025          | Turn-up time (secs) | SPR (%) |
| 5                   | QPSK | 1          | 0        | 19.72      | 20.52          | 20.17          |                 |                     |         |
| 5                   | QPSK | 1          | 12       | 19.76      | 19.76          | 19.87          | 21.1            | 0                   |         |
| 5                   | QPSK | 1          | 24       | 19.81      | 19.81          | 19.85          |                 |                     |         |
| 5                   | QPSK | 1          | 36       | 19.86      | 19.86          | 19.91          | 21.1            | 0                   |         |
| 5                   | QPSK | 12         | 7        | 19.72      | 20.15          | 20.25          |                 |                     |         |
| 5                   | QPSK | 12         | 13       | 19.49      | 19.49          | 19.49          | 21.1            | 0                   |         |
| 5                   | QPSK | 20         | 0        | 19.31      | 19.31          | 19.43          |                 |                     |         |
| 5                   | QPSK | 20         | 12       | 19.31      | 19.31          | 19.43          | 21.1            | 0                   |         |
| 5                   | QPSK | 1          | 24       | 19.40      | 19.25          | 19.20          |                 |                     |         |
| 5                   | QPSK | 1          | 36       | 19.50      | 19.50          | 19.50          | 21.1            | 0                   |         |
| 5                   | QPSK | 12         | 7        | 19.73      | 20.02          | 20.25          |                 |                     |         |
| 5                   | QPSK | 12         | 13       | 19.49      | 19.49          | 19.49          | 21.1            | 0                   |         |
| 5                   | QPSK | 20         | 0        | 19.46      | 19.21          | 19.21          |                 |                     |         |
| 5                   | QPSK | 20         | 12       | 19.46      | 19.21          | 19.21          | 21.1            | 0                   |         |
| 5                   | QPSK | 1          | 12       | 19.30      | 19.38          | 19.81          |                 |                     |         |
| 5                   | QPSK | 1          | 24       | 19.40      | 19.40          | 19.83          | 21.1            | 0                   |         |
| 5                   | QPSK | 12         | 0        | 19.49      | 19.36          | 19.25          |                 |                     |         |
| 5                   | QPSK | 12         | 13       | 19.49      | 19.36          | 19.25          | 21.1            | 0                   |         |
| 5                   | QPSK | 20         | 0        | 19.33      | 19.36          | 19.20          |                 |                     |         |
| 5                   | QPSK | 20         | 12       | 19.33      | 19.36          | 19.20          | 21.1            | 0                   |         |

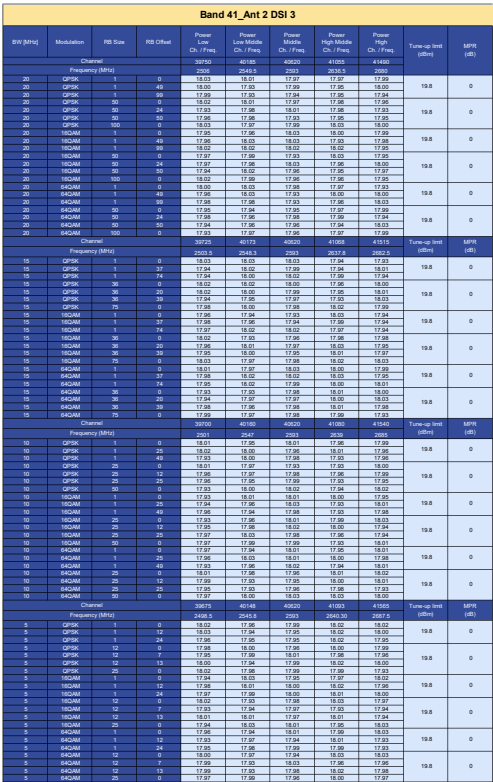
| Band 30_Ant 1 DSI 5 |            |         |           |                   |                   |                   |                   |                   |                   |                   |
|---------------------|------------|---------|-----------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| BS (MHz)            | Modulation | RS Size | RS Cyclic | Power Tx<br>30000 | Power Tx<br>30000 | Power Tx<br>30000 | Power Tx<br>30000 | Power Tx<br>30000 | Power Tx<br>30000 | Power Tx<br>30000 |
| Frequency (MHz)     |            |         |           |                   |                   |                   |                   |                   |                   |                   |
| 20                  | OFDM       | 1       | 49        | 18.21             | 18.20             | 18.15             | 18.15             | 18.10             | 18.10             | 18.10             |
| 20                  | OFDM       | 1       | 49        | 18.22             | 18.22             | 18.23             | 18.23             | 18.17             | 18.17             | 18.17             |
| 20                  | OFDM       | 1       | 49        | 18.23             | 18.23             | 18.23             | 18.23             | 18.18             | 18.18             | 18.18             |
| 20                  | OFDM       | 1       | 49        | 18.24             | 18.24             | 18.24             | 18.24             | 18.19             | 18.19             | 18.19             |
| 20                  | OFDM       | 1       | 49        | 18.25             | 18.25             | 18.25             | 18.25             | 18.20             | 18.20             | 18.20             |
| 20                  | OFDM       | 1       | 49        | 18.26             | 18.26             | 18.26             | 18.26             | 18.21             | 18.21             | 18.21             |
| 20                  | OFDM       | 1       | 49        | 18.27             | 18.27             | 18.27             | 18.27             | 18.22             | 18.22             | 18.22             |
| 20                  | OFDM       | 1       | 49        | 18.28             | 18.28             | 18.28             | 18.28             | 18.23             | 18.23             | 18.23             |
| 20                  | OFDM       | 1       | 49        | 18.29             | 18.29             | 18.29             | 18.29             | 18.24             | 18.24             | 18.24             |
| 20                  | OFDM       | 1       | 49        | 18.30             | 18.30             | 18.30             | 18.30             | 18.25             | 18.25             | 18.25             |
| 20                  | OFDM       | 1       | 49        | 18.31             | 18.31             | 18.31             | 18.31             | 18.26             | 18.26             | 18.26             |
| 20                  | OFDM       | 1       | 49        | 18.32             | 18.32             | 18.32             | 18.32             | 18.27             | 18.27             | 18.27             |
| 20                  | OFDM       | 1       | 49        | 18.33             | 18.33             | 18.33             | 18.33             | 18.28             | 18.28             | 18.28             |
| 20                  | OFDM       | 1       | 49        | 18.34             | 18.34             | 18.34             | 18.34             | 18.29             | 18.29             | 18.29             |
| 20                  | OFDM       | 1       | 49        | 18.35             | 18.35             | 18.35             | 18.35             | 18.30             | 18.30             | 18.30             |
| 20                  | OFDM       | 1       | 49        | 18.36             | 18.36             | 18.36             | 18.36             | 18.31             | 18.31             | 18.31             |
| 20                  | OFDM       | 1       | 49        | 18.37             | 18.37             | 18.37             | 18.37             | 18.32             | 18.32             | 18.32             |
| 20                  | OFDM       | 1       | 49        | 18.38             | 18.38             | 18.38             | 18.38             | 18.33             | 18.33             | 18.33             |
| 20                  | OFDM       | 1       | 49        | 18.39             | 18.39             | 18.39             | 18.39             | 18.34             | 18.34             | 18.34             |
| 20                  | OFDM       | 1       | 49        | 18.40             | 18.40             | 18.41             | 18.41             | 18.35             | 18.35             | 18.35             |
| 20                  | OFDM       | 1       | 49        | 18.41             | 18.41             | 18.42             | 18.42             | 18.36             | 18.36             | 18.36             |
| 20                  | OFDM       | 1       | 49        | 18.42             | 18.42             | 18.43             | 18.43             | 18.37             | 18.37             | 18.37             |
| 20                  | OFDM       | 1       | 49        | 18.43             | 18.43             | 18.44             | 18.44             | 18.38             | 18.38             | 18.38             |
| 20                  | OFDM       | 1       | 49        | 18.44             | 18.44             | 18.45             | 18.45             | 18.39             | 18.39             | 18.39             |
| 20                  | OFDM       | 1       | 49        | 18.45             | 18.45             | 18.46             | 18.46             | 18.40             | 18.40             | 18.40             |
| 20                  | OFDM       | 1       | 49        | 18.46             | 18.46             | 18.47             | 18.47             | 18.41             | 18.41             | 18.41             |
| 20                  | OFDM       | 1       | 49        | 18.47             | 18.47             | 18.48             | 18.48             | 18.42             | 18.42             | 18.42             |
| 20                  | OFDM       | 1       | 49        | 18.48             | 18.48             | 18.49             | 18.49             | 18.43             | 18.43             | 18.43             |
| 20                  | OFDM       | 1       | 49        | 18.49             | 18.49             | 18.50             | 18.50             | 18.44             | 18.44             | 18.44             |
| 20                  | OFDM       | 1       | 49        | 18.50             | 18.50             | 18.51             | 18.51             | 18.45             | 18.45             | 18.45             |
| 20                  | OFDM       | 1       | 49        | 18.51             | 18.51             | 18.52             | 18.52             | 18.46             | 18.46             | 18.46             |
| 20                  | OFDM       | 1       | 49        | 18.52             | 18.52             | 18.53             | 18.53             | 18.47             | 18.47             | 18.47             |
| 20                  | OFDM       | 1       | 49        | 18.53             | 18.53             | 18.54             | 18.54             | 18.48             | 18.48             | 18.48             |
| 20                  | OFDM       | 1       | 49        | 18.54             | 18.54             | 18.55             | 18.55             | 18.49             | 18.49             | 18.49             |
| 20                  | OFDM       | 1       | 49        | 18.55             | 18.55             | 18.56             | 18.56             | 18.50             | 18.50             | 18.50             |
| 20                  | OFDM       | 1       | 49        | 18.56             | 18.56             | 18.57             | 18.57             | 18.51             | 18.51             | 18.51             |
| 20                  | OFDM       | 1       | 49        | 18.57             | 18.57             | 18.58             | 18.58             | 18.52             | 18.52             | 18.52             |
| 20                  | OFDM       | 1       | 49        | 18.58             | 18.58             | 18.59             | 18.59             | 18.53             | 18.53             | 18.53             |
| 20                  | OFDM       | 1       | 49        | 18.59             | 18.59             | 18.60             | 18.60             | 18.54             | 18.54             | 18.54             |
| 20                  | OFDM       | 1       | 49        | 18.60             | 18.60             | 18.61             | 18.61             | 18.55             | 18.55             | 18.55             |
| 20                  | OFDM       | 1       | 49        | 18.61             | 18.61             | 18.62             | 18.62             | 18.56             | 18.56             | 18.56             |
| 20                  | OFDM       | 1       | 49        | 18.62             | 18.62             | 18.63             | 18.63             | 18.57             | 18.57             | 18.57             |
| 20                  | OFDM       | 1       | 49        | 18.63             | 18.63             | 18.64             | 18.64             | 18.58             | 18.58             | 18.58             |
| 20                  | OFDM       | 1       | 49        | 18.64             | 18.64             | 18.65             | 18.65             | 18.59             | 18.59             | 18.59             |
| 20                  | OFDM       | 1       | 49        | 18.65             | 18.65             | 18.66             | 18.66             | 18.60             | 18.60             | 18.60             |
| 20                  | OFDM       | 1       | 49        | 18.66             | 18.66             | 18.67             | 18.67             | 18.61             | 18.61             | 18.61             |
| 20                  | OFDM       | 1       | 49        | 18.67             | 18.67             | 18.68             | 18.68             | 18.62             | 18.62             | 18.62             |
| 20                  | OFDM       | 1       | 49        | 18.68             | 18.68             | 18.69             | 18.69             | 18.63             | 18.63             | 18.63             |
| 20                  | OFDM       | 1       | 49        | 18.69             | 18.69             | 18.70             | 18.70             | 18.64             | 18.64             | 18.64             |
| 20                  | OFDM       | 1       | 49        | 18.70             | 18.70             | 18.71             | 18.71             | 18.65             | 18.65             | 18.65             |
| 20                  | OFDM       | 1       | 49        | 18.71             | 18.71             | 18.72             | 18.72             | 18.66             | 18.66             | 18.66             |
| 20                  | OFDM       | 1       | 49        | 18.72             | 18.72             | 18.73             | 18.73             | 18.67             | 18.67             | 18.67             |
| 20                  | OFDM       | 1       | 49        | 18.73             | 18.73             | 18.74             | 18.74             | 18.68             | 18.68             | 18.68             |
| 20                  | OFDM       | 1       | 49        | 18.74             | 18.74             | 18.75             | 18.75             | 18.69             | 18.69             | 18.69             |
| 20                  | OFDM       | 1       | 49        | 18.75             | 18.75             | 18.76             | 18.76             | 18.70             | 18.70             | 18.70             |
| 20                  | OFDM       | 1       | 49        | 18.76             | 18.76             | 18.77             | 18.77             | 18.71             | 18.71             | 18.71             |
| 20                  | OFDM       | 1       | 49        | 18.77             | 18.77             | 18.78             | 18.78             | 18.72             | 18.72             | 18.72             |
| 20                  | OFDM       | 1       | 49        | 18.78             | 18.78             | 18.79             | 18.79             | 18.73             | 18.73             | 18.73             |
| 20                  | OFDM       | 1       | 49        | 18.79             | 18.79             | 18.80             | 18.80             | 18.74             | 18.74             | 18.74             |
| 20                  | OFDM       | 1       | 49        | 18.80             | 18.80             | 18.81             | 18.81             | 18.75             | 18.75             | 18.75             |
| 20                  | OFDM       | 1       | 49        | 18.81             | 18.81             | 18.82             | 18.82             | 18.76             | 18.76             | 18.76             |
| 20                  | OFDM       | 1       | 49        | 18.82             | 18.82             | 18.83             | 18.83             | 18.77             | 18.77             | 18.77             |
| 20                  | OFDM       | 1       | 49        | 18.83             | 18.83             | 18.84             | 18.84             | 18.78             | 18.78             | 18.78             |
| 20                  | OFDM       | 1       | 49        | 18.84             | 18.84             | 18.85             | 18.85             | 18.79             | 18.79             | 18.79             |
| 20                  | OFDM       | 1       | 49        | 18.85             | 18.85             | 18.86             | 18.86             | 18.80             | 18.80             | 18.80             |
| 20                  | OFDM       | 1       | 49        | 18.86             | 18.86             | 18.87             | 18.87             | 18.81             | 18.81             | 18.81             |
| 20                  | OFDM       | 1       | 49        | 18.87             | 18.87             | 18.88             | 18.88             | 18.82             | 18.82             | 18.82             |
| 20                  | OFDM       | 1       | 49        | 18.88             | 18.88             | 18.89             | 18.89             | 18.83             | 18.83             | 18.83             |
| 20                  | OFDM       | 1       | 49        | 18.89             | 18.89             | 18.90             | 18.90             | 18.84             | 18.84             | 18.84             |
| 20                  | OFDM       | 1       | 49        | 18.90             | 18.90             | 18.91             | 18.91             | 18.85             | 18.85             | 18.85             |
| 20                  | OFDM       | 1       | 49        | 18.91             | 18.91             | 18.92             | 18.92             | 18.86             | 18.86             | 18.86             |
| 20                  | OFDM       | 1       | 49        | 18.92             | 18.92             | 18.93             | 18.93             | 18.87             | 18.87             | 18.87             |
| 20                  | OFDM       | 1       | 49        | 18.93             | 18.93             | 18.94             | 18.94             | 18.88             | 18.88             | 18.88             |
| 20                  | OFDM       | 1       | 49        | 18.94             | 18.94             | 18.95             | 18.95             | 18.89             | 18.89             | 18.89             |
| 20                  | OFDM       | 1       | 49        | 18.95             | 18.95             | 18.96             | 18.96             | 18.90             | 18.90             | 18.90             |
| 20                  | OFDM       | 1       | 49        | 18.96             | 18.96             | 18.97             | 18.97             | 18.91             | 18.91             | 18.91             |
| 20                  | OFDM       | 1       | 49        | 18.97             | 18.97             | 18.98             | 18.98             | 18.92             | 18.92             | 18.92             |
| 20                  | OFDM       | 1       | 49        | 18.98             | 18.98             | 18.99             | 18.99             | 18.93             | 18.93             | 18.93             |
| 20                  | OFDM       | 1       | 49        | 18.99             | 18.99             | 19.00             | 19.00             | 18.94             | 18.94             | 18.94             |
| 20                  | OFDM       | 1       | 49        | 19.00             | 19.00             | 19.01             | 19.01             | 18.95             | 18.95             | 18.95             |
| 20                  | OFDM       | 1       | 49        | 19.01             | 19.01             | 19.02             | 19.02             | 18.96             | 18.96             | 18.96             |
| 20                  | OFDM       | 1       | 49        | 19.02             | 19.02             | 19.03             | 19.03             | 18.97             | 18.97             | 18.97             |
| 20                  | OFDM       | 1       | 49        | 19.03             | 19.03             | 19.04             | 19.04             | 18.98             | 18.98             | 18.98             |
| 20                  | OFDM       | 1       | 49        | 19.04             | 19.04             | 19.05             | 19.05             | 18.99             | 18.99             | 18.99             |
| 20                  | OFDM       | 1       | 49        | 19.05             | 19.05             | 19.06             | 19.06             | 19.00             | 19.00             | 19.00             |
| 20                  | OFDM       | 1       | 49        | 19.06             | 19.06             | 19.07             | 19.07             | 19.01             | 19.01             | 19.01             |
| 20                  | OFDM       | 1       | 49        | 19.07             | 19.07             | 19.08             | 19.08             | 19.02             | 19.02             | 19.02             |
| 20                  | OFDM       | 1       | 49        | 19.08             | 19.08             | 19.09             | 19.09             | 19.03             | 19.03             | 19.03             |
| 20                  | OFDM       | 1       | 49        | 19.09             | 19.09             | 19.10             | 19.10             | 19.04             | 19.04             | 19.04             |
| 20                  | OFDM       | 1       | 49        | 19.10             | 19.10             | 19.11             | 19.11             | 19.05             | 19.05             | 19.05             |
| 20                  | OFDM       | 1       | 49        | 19.11             | 19.11             | 19.12             | 19.12             | 19.06             | 19.06             | 19.06             |
| 20                  | OFDM       | 1       | 49        | 19.12             | 19.12             | 19.13             | 19.13             | 19.07             | 19.07             | 19.07             |
| 20                  | OFDM       | 1       | 49        | 19.13             | 19.13             | 19.14             | 19.14             | 19.08             | 19.08             | 19.08             |
| 20                  | OFDM       | 1       | 49        | 19.14             | 19.14             | 19.15             | 19.15             | 19.09             | 19.09             | 19.09             |
| 20                  | OFDM       | 1       | 49        | 19.15             | 19.15             | 19.16             | 19.16             | 19.10             | 19.10             | 19.10             |
| 20                  | OFDM       | 1       | 49        | 19.16             | 19.16             | 19.17             | 19.17             | 19.11             | 19.11             | 19.11             |
| 20                  | OFDM       | 1       | 49        | 19.17             | 19.17             | 19.18             | 19.18             | 19.12             | 19.12             | 19.12             |
| 20                  | OFDM       | 1       | 49        | 19.18             | 19.18             | 19.19             | 19.19             | 19.13             | 19.13             | 19.13             |
| 20                  | OFDM       | 1       | 49        | 19.19             | 19.19             | 19.20             | 19.20             | 19.14             | 19.14             | 19.14             |
| 20                  | OFDM       | 1       | 49        | 19.20             | 19.20             | 19.21             | 19.21             | 19.15             | 19.15             | 19.15             |
| 20                  | OFDM       | 1       | 49        | 19.21             | 19.21             | 19.22             | 19.22             | 19.16             | 19.16             | 19.16             |
| 20                  | OFDM       | 1       | 49        | 19.22             | 19.22             | 19.23             | 19.23             | 19.17             | 19.17             | 19.17             |
| 20                  | OFDM       | 1       | 49        | 19.23             | 19.23             | 19.24             | 19.24             | 19.18             | 19.18             | 19.18             |
| 20                  | OFDM       | 1       | 49        | 19.24             | 19.24             | 19.25             | 19.25             | 19.19             | 19.19             | 19.19             |
| 20                  | OFDM       | 1       | 49        | 19.25             | 19.25             | 19.26             | 19.26             | 19.20             | 19.20             | 19.20             |
| 20                  | OFDM       | 1       | 49        | 19.26             | 19.26             | 19.27             | 19.27             | 19.21             | 19.21             | 19.21             |
| 20                  | OFDM       | 1       | 49        | 19.27             | 19.27             | 19.28             | 19.28             | 19.22             | 19.22             | 19.22             |
| 20                  | OFDM       | 1       | 49        | 19.28             | 19.28             | 19.29             | 19.29             | 19.23             | 19.23             | 19.23             |
| 20                  | OFDM       | 1       | 49        | 19.29             | 19.29             | 19.30             | 19.30             | 19.24             | 19.24             | 19.24             |
| 20                  | OFDM       | 1       | 49        | 19.30             | 19.30             | 19.31             | 19.31             | 19.25             | 19.25             | 19.25             |
| 20                  | OFDM       | 1       | 49        | 19.31             | 19.31             | 19.32             | 19.32             | 19.26             | 19.26             | 19.26             |
| 20                  | OFDM       | 1       | 49        | 19.32             | 19.32             | 19.33             | 19.33             | 19.27             | 19.27             | 19.27             |
| 20                  | OFDM       | 1       | 49        | 19.33             | 19.33             | 19.34             | 19.34             | 19.28             | 19.28             | 19.28             |
| 20                  | OFDM       | 1       | 49        | 19.34             | 19.34             | 19.35             | 19.35             | 19.29             | 19.29             | 19.29             |
| 20                  | OFDM       | 1       | 49        | 19.35             | 19.35             | 19.36             | 19.36             | 19.30             | 19.30             | 19.30             |
| 20                  | OFDM       | 1       | 49        | 19.36             | 19.36             | 19.37             | 19.37             | 19.31             | 19.31             | 19.31             |
| 20                  | OFDM       | 1       | 49        | 19.37             | 19.37             | 19.38             | 19.38             | 19.32             | 19.32             | 19.32             |
| 20                  | OFDM       | 1       | 49        | 19.38             | 19.38             | 19.39             | 19.39             | 19.33             | 19.33             | 19.33             |
| 20                  | OFDM       | 1       | 49        | 19.39             | 19.39             | 19.40             | 19.40             | 19.34             | 19.34             | 19.34             |
| 20                  | OFDM       | 1       | 49        | 19.40             | 19.40             | 19.41             | 19.41             | 19.35             | 19.35             | 19.35             |
| 20                  | OFDM       | 1       | 49        | 19.41             | 19.41             | 19.42             | 19.42             | 19.36             | 19.36             |                   |

| Band 36 Ant 2 CSI 3 |            |         |           |                   |                          |                        |              |          |  |
|---------------------|------------|---------|-----------|-------------------|--------------------------|------------------------|--------------|----------|--|
| RF (MHz)            | Modulation | RB Size | RB Offset | Power Level (dBm) | Power Spectrum Mask (dB) | Power High Chirp (dBm) | Time up (ms) | MPE (dB) |  |
| Channel             |            |         |           | 3.7660            |                          |                        |              |          |  |
| 20                  | QPSK       | 1       | 0         | 19.78             | 19.69                    | 19.81                  |              |          |  |
| 20                  | QPSK       | 1       | 49        | 19.77             | 19.69                    | 19.78                  | 19.0         | 0        |  |
| 20                  | QPSK       | 1       | 98        | 19.80             | 19.80                    | 19.80                  |              |          |  |
| 20                  | QPSK       | 1       | 147       | 19.79             | 19.79                    | 19.77                  |              |          |  |
| 20                  | QPSK       | 50      | 0         | 19.78             | 19.83                    | 19.71                  | 19.0         | 0        |  |
| 20                  | QPSK       | 50      | 49        | 19.79             | 19.83                    | 19.72                  |              |          |  |
| 20                  | QPSK       | 1       | 49        | 19.81             | 19.81                    | 19.72                  |              |          |  |
| 20                  | QPSK       | 1       | 98        | 19.80             | 19.80                    | 19.72                  |              |          |  |
| 20                  | QPSK       | 50      | 0         | 19.83             | 19.83                    | 19.72                  |              |          |  |
| 20                  | QPSK       | 50      | 49        | 19.80             | 19.80                    | 19.72                  | 19.0         | 0        |  |
| 20                  | QPSK       | 1       | 98        | 19.79             | 19.79                    | 19.72                  |              |          |  |
| 20                  | QPSK       | 1       | 147       | 19.77             | 19.74                    | 19.78                  |              |          |  |
| 20                  | QPSK       | 50      | 24        | 19.79             | 19.82                    | 19.71                  | 19.0         | 0        |  |
| 20                  | QPSK       | 50      | 73        | 19.80             | 19.80                    | 19.76                  |              |          |  |
| 20                  | QPSK       | 100     | 0         | 19.84             | 19.84                    | 19.79                  |              |          |  |
| Frequency (MHz)     |            |         |           | 297.73            | 297.65                   |                        | Time up (ms) | MPE (dB) |  |
| 15                  | QPSK       | 1       | 0         | 19.79             | 19.79                    | 19.80                  |              |          |  |
| 15                  | QPSK       | 1       | 37        | 19.79             | 19.88                    | 19.82                  | 19.0         | 0        |  |
| 15                  | QPSK       | 1       | 74        | 19.79             | 19.88                    | 19.82                  |              |          |  |
| 15                  | QPSK       | 36      | 0         | 19.80             | 19.77                    | 19.87                  |              |          |  |
| 15                  | QPSK       | 36      | 35        | 19.80             | 19.77                    | 19.79                  |              |          |  |
| 15                  | QPSK       | 36      | 70        | 19.80             | 19.80                    | 19.80                  |              |          |  |
| 15                  | QPSK       | 36      | 105       | 19.80             | 19.80                    | 19.80                  |              |          |  |
| 15                  | QPSK       | 1       | 0         | 19.80             | 19.79                    | 19.80                  |              |          |  |
| 15                  | QPSK       | 1       | 37        | 19.79             | 19.77                    | 19.82                  | 19.0         | 0        |  |
| 15                  | QPSK       | 1       | 74        | 19.80             | 19.75                    | 19.79                  |              |          |  |
| 15                  | QPSK       | 36      | 0         | 19.80             | 19.79                    | 19.80                  |              |          |  |
| 15                  | QPSK       | 36      | 35        | 19.81             | 19.79                    | 19.71                  | 19.0         | 0        |  |
| 15                  | QPSK       | 36      | 70        | 19.80             | 19.84                    | 19.80                  |              |          |  |
| 15                  | QPSK       | 36      | 105       | 19.80             | 19.81                    | 19.82                  |              |          |  |
| 15                  | QPSK       | 1       | 74        | 19.80             | 19.80                    | 19.83                  |              |          |  |
| 15                  | QPSK       | 1       | 111       | 19.80             | 19.80                    | 19.80                  |              |          |  |
| 15                  | QPSK       | 36      | 0         | 19.80             | 19.77                    | 19.74                  | 19.0         | 0        |  |
| 15                  | QPSK       | 36      | 35        | 19.80             | 19.77                    | 19.78                  |              |          |  |
| 15                  | QPSK       | 36      | 70        | 19.80             | 19.78                    | 19.77                  |              |          |  |
| Frequency (MHz)     |            |         |           | 377.95            | 380.06                   |                        | Time up (ms) | MPE (dB) |  |
| 10                  | QPSK       | 1       | 0         | 19.78             | 19.85                    | 19.80                  |              |          |  |
| 10                  | QPSK       | 1       | 49        | 19.80             | 19.79                    | 19.81                  | 19.0         | 0        |  |
| 10                  | QPSK       | 1       | 98        | 19.80             | 19.80                    | 19.80                  |              |          |  |
| 10                  | QPSK       | 1       | 147       | 19.79             | 19.80                    | 19.80                  |              |          |  |
| 10                  | QPSK       | 25      | 0         | 19.78             | 19.69                    | 19.84                  |              |          |  |
| 10                  | QPSK       | 25      | 49        | 19.78             | 19.74                    | 19.84                  | 19.0         | 0        |  |
| 10                  | QPSK       | 1       | 98        | 19.80             | 19.80                    | 19.80                  |              |          |  |
| 10                  | QPSK       | 1       | 147       | 19.80             | 19.80                    | 19.82                  |              |          |  |
| 10                  | QPSK       | 1       | 0         | 19.80             | 19.83                    | 19.72                  |              |          |  |
| 10                  | QPSK       | 1       | 49        | 19.79             | 19.74                    | 19.78                  | 19.0         | 0        |  |
| 10                  | QPSK       | 1       | 98        | 19.8              | 19.8                     | 19.8                   |              |          |  |
| 10                  | QPSK       | 1       | 147       | 19.8              | 19.8                     | 19.8                   |              |          |  |
| 10                  | QPSK       | 1       | 0         | 19.80             | 19.83                    | 19.72                  |              |          |  |
| 10                  | QPSK       | 1       | 49        | 19.79             | 19.74                    | 19.78                  | 19.0         | 0        |  |
| 10                  | QPSK       | 1       | 98        | 19.8              | 19.8                     | 19.8                   |              |          |  |
| 10                  | QPSK       | 1       | 147       | 19.8              | 19.8                     | 19.8                   |              |          |  |
| 10                  | QPSK       | 25      | 0         | 19.80             | 19.64                    | 19.70                  |              |          |  |
| 10                  | QPSK       | 25      | 49        | 19.80             | 19.65                    | 19.70                  | 19.0         | 0        |  |
| 10                  | QPSK       | 25      | 98        | 19.80             | 19.66                    | 19.70                  |              |          |  |
| 10                  | QPSK       | 25      | 147       | 19.80             | 19.67                    | 19.70                  |              |          |  |
| 10                  | QPSK       | 25      | 0         | 19.80             | 19.64                    | 19.70                  |              |          |  |
| 10                  | QPSK       | 25      | 49        | 19.80             | 19.65                    | 19.70                  | 19.0         | 0        |  |
| 10                  | QPSK       | 25      | 98        | 19.80             | 19.66                    | 19.70                  |              |          |  |
| 10                  | QPSK       | 25      | 147       | 19.80             | 19.67                    | 19.70                  |              |          |  |
| Channel             |            |         |           | 3.7795            | 380.06                   | 380.06                 | Time up (ms) | MPE (dB) |  |
| 5                   | QPSK       | 1       | 0         | 19.75             | 19.61                    | 19.74                  |              |          |  |
| 5                   | QPSK       | 1       | 49        | 19.76             | 19.61                    | 19.74                  | 19.0         | 0        |  |
| 5                   | QPSK       | 1       | 98        | 19.77             | 19.61                    | 19.74                  |              |          |  |
| 5                   | QPSK       | 1       | 147       | 19.76             | 19.61                    | 19.74                  |              |          |  |
| 5                   | QPSK       | 12      | 0         | 19.76             | 19.61                    | 19.74                  |              |          |  |
| 5                   | QPSK       | 12      | 49        | 19.76             | 19.61                    | 19.74                  | 19.0         | 0        |  |
| 5                   | QPSK       | 12      | 98        | 19.76             | 19.61                    | 19.74                  |              |          |  |
| 5                   | QPSK       | 12      | 147       | 19.76             | 19.61                    | 19.74                  |              |          |  |
| 5                   | QPSK       | 25      | 0         | 19.78             | 19.58                    | 19.69                  |              |          |  |
| 5                   | QPSK       | 25      | 49        | 19.78             | 19.58                    | 19.69                  | 19.0         | 0        |  |
| 5                   | QPSK       | 25      | 98        | 19.78             | 19.58                    | 19.69                  |              |          |  |
| 5                   | QPSK       | 25      | 147       | 19.78             | 19.58                    | 19.69                  |              |          |  |
| 5                   | QPSK       | 12      | 0         | 19.81             | 19.56                    | 19.68                  |              |          |  |
| 5                   | QPSK       | 12      | 49        | 19.81             | 19.56                    | 19.68                  | 19.0         | 0        |  |
| 5                   | QPSK       | 12      | 98        | 19.81             | 19.56                    | 19.68                  |              |          |  |
| 5                   | QPSK       | 12      | 147       | 19.81             | 19.56                    | 19.68                  |              |          |  |
| 5                   | QPSK       | 25      | 0         | 19.82             | 19.57                    | 19.69                  |              |          |  |
| 5                   | QPSK       | 25      | 49        | 19.82             | 19.57                    | 19.69                  | 19.0         | 0        |  |
| 5                   | QPSK       | 25      | 98        | 19.82             | 19.57                    | 19.69                  |              |          |  |
| 5                   | QPSK       | 25      | 147       | 19.82             | 19.57                    | 19.69                  |              |          |  |
| 5                   | QPSK       | 12      | 0         | 19.78             | 19.61                    | 19.68                  |              |          |  |
| 5                   | QPSK       | 12      | 49        | 19.78             | 19.61                    | 19.68                  | 19.0         | 0        |  |
| 5                   | QPSK       | 12      | 98        | 19.78             | 19.61                    | 19.68                  |              |          |  |
| 5                   | QPSK       | 12      | 147       | 19.78             | 19.61                    | 19.68                  |              |          |  |
| 5                   | QPSK       | 25      | 0         | 19.79             | 19.58                    | 19.69                  |              |          |  |
| 5                   | QPSK       | 25      | 49        | 19.79             | 19.58                    | 19.69                  | 19.0         | 0        |  |
| 5                   | QPSK       | 25      | 98        | 19.79             | 19.58                    | 19.69                  |              |          |  |
| 5                   | QPSK       | 25      | 147       | 19.79             | 19.58                    | 19.69                  |              |          |  |
| 5                   | QPSK       | 12      | 0         | 19.81             | 19.56                    | 19.68                  |              |          |  |
| 5                   | QPSK       | 12      | 49        | 19.81             | 19.56                    | 19.68                  | 19.0         | 0        |  |
| 5                   | QPSK       | 12      | 98        | 19.81             | 19.56                    | 19.68                  |              |          |  |
| 5                   | QPSK       | 12      | 147       | 19.81             | 19.56                    | 19.68                  |              |          |  |
| 5                   | QPSK       | 25      | 0         | 19.82             | 19.57                    | 19.69                  |              |          |  |
| 5                   | QPSK       | 25      | 49        | 19.82             | 19.57                    | 19.69                  | 19.0         | 0        |  |
| 5                   | QPSK       | 25      | 98        | 19.82             | 19.57                    | 19.69                  |              |          |  |
| 5                   | QPSK       | 25      | 147       | 19.82             | 19.57                    | 19.69                  |              |          |  |
| 5                   | QPSK       | 12      | 0         | 19.78             | 19.61                    | 19.68                  |              |          |  |
| 5                   | QPSK       | 12      | 49        | 19.78             | 19.61                    | 19.68                  | 19.0         | 0        |  |
| 5                   | QPSK       | 12      | 98        | 19.78             | 19.61                    | 19.68                  |              |          |  |
| 5                   | QPSK       | 12      | 147       | 19.78             | 19.61                    | 19.68                  |              |          |  |
| 5                   | QPSK       | 25      | 0         | 19.79             | 19.58                    | 19.69                  |              |          |  |
| 5                   | QPSK       | 25      | 49        | 19.79             | 19.58                    | 19.69                  | 19.0         | 0        |  |
| 5                   | QPSK       | 25      | 98        | 19.79             | 19.58                    | 19.69                  |              |          |  |
| 5                   | QPSK       | 25      | 147       | 19.79             | 19.58                    | 19.69                  |              |          |  |
| 5                   | QPSK       | 12      | 0         | 19.81             | 19.56                    | 19.68                  |              |          |  |
| 5                   | QPSK       | 12      | 49        | 19.81             | 19.56                    | 19.68                  | 19.0         | 0        |  |
| 5                   | QPSK       | 12      | 98        | 19.81             | 19.56                    | 19.68                  |              |          |  |
| 5                   | QPSK       | 12      | 147       | 19.81             | 19.56                    | 19.68                  |              |          |  |
| 5                   | QPSK       | 25      | 0         | 19.82             | 19.57                    | 19.69                  |              |          |  |
| 5                   | QPSK       | 25      | 49        | 19.82             | 19.57                    | 19.69                  | 19.0         | 0        |  |
| 5                   | QPSK       | 25      | 98        | 19.82             | 19.57                    | 19.69                  |              |          |  |
| 5                   | QPSK       | 25      | 147       | 19.82             | 19.57                    | 19.69                  |              |          |  |
| 5                   | QPSK       | 12      | 0         | 19.78             | 19.61                    | 19.68                  |              |          |  |
| 5                   | QPSK       | 12      | 49        | 19.78             | 19.61                    | 19.68                  | 19.0         | 0        |  |
| 5                   | QPSK       | 12      | 98        | 19.78             | 19.61                    | 19.68                  |              |          |  |
| 5                   | QPSK       | 12      | 147       | 19.78             | 19.61                    | 19.68                  |              |          |  |
| 5                   | QPSK       | 25      | 0         | 19.79             | 19.58                    | 19.69                  |              |          |  |
| 5                   | QPSK       | 25      | 49        | 19.79             | 19.58                    | 19.69                  | 19.0         | 0        |  |
| 5                   | QPSK       | 25      | 98        | 19.79             | 19.58                    | 19.69                  |              |          |  |
| 5                   | QPSK       | 25      | 147       | 19.79             | 19.58                    | 19.69                  |              |          |  |
| 5                   | QPSK       | 12      | 0         | 19.81             | 19.56                    | 19.68                  |              |          |  |
| 5                   | QPSK       | 12      | 49        | 19.81             | 19.56                    | 19.68                  | 19.0         | 0        |  |
| 5                   | QPSK       | 12      | 98        | 19.81             | 19.56                    | 19.68                  |              |          |  |
| 5                   | QPSK       | 12      | 147       | 19.81             | 19.56                    | 19.68                  |              |          |  |
| 5                   | QPSK       | 25      | 0         | 19.82             | 19.57                    | 19.69                  |              |          |  |
| 5                   | QPSK       | 25      | 49        | 19.82             | 19.57                    | 19.69                  | 19.0         | 0        |  |
| 5                   | QPSK       | 25      | 98        | 19.82             | 19.57                    | 19.69                  |              |          |  |
| 5                   | QPSK       | 25      | 147       | 19.82             | 19.57                    | 19.69                  |              |          |  |

| Band 38 Ant 2 CSI 5 |            |         |           |                  |                   |                   |              |          |  |
|---------------------|------------|---------|-----------|------------------|-------------------|-------------------|--------------|----------|--|
| RF Band             | Modulation | RF Size | RF Offset | Power<br>Tx (mW) | Power<br>Mtx (mW) | Power<br>Htx (mW) | Time up (ms) | SPR (dB) |  |
| Channel             |            |         |           |                  |                   |                   |              |          |  |
| Frequency (MHz)     |            |         |           | 23.75            | 23.75             | 23.75             | Time up (ms) | SPR (dB) |  |
| 20                  | QPSK       | 1       | 0         | 19.39            | 19.39             | 19.39             |              |          |  |
| 20                  | QPSK       | 1       | 49        | 19.39            | 19.39             | 19.39             | 21           | 0        |  |
| 20                  | QPSK       | 50      | 0         | 20.51            | 19.39             | 19.39             |              |          |  |
| 20                  | QPSK       | 50      | 24        | 20.51            | 19.39             | 19.39             | 21           | 0        |  |
| 20                  | QPSK       | 50      | 50        | 20.51            | 19.39             | 19.39             |              |          |  |
| 20                  | QPSK       | 50      | 74        | 20.51            | 19.39             | 19.39             | 21           | 0        |  |
| 20                  | QPSK       | 1       | 49        | 20.54            | 19.39             | 19.39             |              |          |  |
| 20                  | QPSK       | 1       | 74        | 20.54            | 19.39             | 19.39             | 21           | 0        |  |
| 20                  | QPSK       | 50      | 0         | 19.37            | 19.35             | 19.35             |              |          |  |
| 20                  | QPSK       | 50      | 24        | 19.37            | 19.35             | 19.35             | 20           | 1        |  |
| 20                  | QPSK       | 50      | 50        | 19.35            | 19.37             | 19.37             |              |          |  |
| 20                  | QPSK       | 50      | 74        | 19.35            | 19.37             | 19.37             | 20           | 1        |  |
| 20                  | QPSK       | 1       | 0         | 19.78            | 19.65             | 19.65             |              |          |  |
| 20                  | QPSK       | 1       | 49        | 19.78            | 19.65             | 19.65             | 20           | 1        |  |
| 20                  | QPSK       | 1       | 74        | 19.65            | 19.78             | 19.78             |              |          |  |
| 20                  | QPSK       | 50      | 24        | 19.65            | 19.62             | 19.62             | 19           | 2        |  |
| 20                  | QPSK       | 50      | 50        | 19.62            | 19.78             | 19.78             |              |          |  |
| 20                  | QPSK       | 50      | 74        | 19.62            | 19.78             | 19.78             | 19           | 2        |  |
| 20                  | QPSK       | 100     | 0         | 19.75            | 19.69             | 19.69             |              |          |  |
| Channel             |            |         |           |                  |                   |                   |              |          |  |
| Frequency (MHz)     |            |         |           | 23.75            | 23.75             | 23.75             | Time up (ms) | SPR (dB) |  |
| 10                  | QPSK       | 1       | 0         | 19.73            | 19.73             | 19.73             |              |          |  |
| 10                  | QPSK       | 1       | 37        | 19.86            | 19.86             | 19.86             | 21           | 0        |  |
| 10                  | QPSK       | 1       | 74        | 19.86            | 19.86             | 19.86             |              |          |  |
| 10                  | QPSK       | 36      | 0         | 19.84            | 19.80             | 19.84             | 21           | 0        |  |
| 10                  | QPSK       | 36      | 24        | 19.84            | 19.80             | 19.84             |              |          |  |
| 10                  | QPSK       | 36      | 39        | 19.84            | 19.80             | 19.84             | 21           | 0        |  |
| 10                  | QPSK       | 36      | 50        | 19.86            | 19.87             | 19.87             |              |          |  |
| 10                  | QPSK       | 36      | 74        | 19.86            | 19.87             | 19.87             | 21           | 0        |  |
| 10                  | QPSK       | 1       | 0         | 20.50            | 19.89             | 19.89             |              |          |  |
| 10                  | QPSK       | 1       | 37        | 20.50            | 19.89             | 19.89             | 21           | 0        |  |
| 10                  | QPSK       | 1       | 74        | 20.51            | 19.86             | 19.86             |              |          |  |
| 10                  | QPSK       | 36      | 24        | 20.51            | 19.86             | 19.86             | 21           | 0        |  |
| 10                  | QPSK       | 36      | 50        | 20.50            | 19.89             | 19.89             |              |          |  |
| 10                  | QPSK       | 36      | 74        | 20.50            | 19.89             | 19.89             | 20           | 1        |  |
| 10                  | QPSK       | 75      | 0         | 19.53            | 19.87             | 19.87             |              |          |  |
| 10                  | QPSK       | 75      | 24        | 19.53            | 19.87             | 19.87             | 20           | 1        |  |
| 10                  | QPSK       | 75      | 50        | 19.87            | 19.53             | 19.53             |              |          |  |
| 10                  | QPSK       | 75      | 74        | 19.87            | 19.53             | 19.53             | 20           | 1        |  |
| 10                  | QPSK       | 36      | 20        | 19.53            | 19.87             | 19.87             |              |          |  |
| 10                  | QPSK       | 36      | 20        | 19.53            | 19.87             | 19.87             | 19           | 2        |  |
| 10                  | QPSK       | 75      | 0         | 19.88            | 19.89             | 19.89             |              |          |  |
| Channel             |            |         |           |                  |                   |                   |              |          |  |
| Frequency (MHz)     |            |         |           | 23.75            | 23.75             | 23.75             | Time up (ms) | SPR (dB) |  |
| 10                  | QPSK       | 1       | 0         | 19.86            | 19.86             | 19.86             |              |          |  |
| 10                  | QPSK       | 1       | 24        | 19.86            | 19.86             | 19.86             | 21           | 0        |  |
| 10                  | QPSK       | 1       | 49        | 19.86            | 19.86             | 19.86             |              |          |  |
| 10                  | QPSK       | 23      | 0         | 19.84            | 19.80             | 19.84             | 21           | 0        |  |
| 10                  | QPSK       | 23      | 24        | 19.84            | 19.80             | 19.84             |              |          |  |
| 10                  | QPSK       | 23      | 25        | 19.83            | 19.87             | 19.87             |              |          |  |
| 10                  | QPSK       | 23      | 50        | 19.83            | 19.87             | 19.87             | 21           | 0        |  |
| 10                  | QPSK       | 23      | 74        | 19.86            | 19.87             | 19.87             |              |          |  |
| 10                  | QPSK       | 1       | 0         | 20.50            | 19.89             | 19                |              |          |  |

| Band 41_Ant 1 DSI 3 |            |         |           |                              |                              |                              |                              |                    |          |
|---------------------|------------|---------|-----------|------------------------------|------------------------------|------------------------------|------------------------------|--------------------|----------|
| Ref (MHz)           | Modulation | RB Size | RB Offset | Power Line Mode<br>Ch. Freq. | Power Line Mode<br>Ch. Freq. | Power Line Mode<br>Ch. Freq. | Power Line Mode<br>Ch. Freq. | Turn-up time (dBm) | MPE (dB) |
| Channel             |            |         |           |                              |                              |                              |                              |                    |          |
| Frequency (MHz)     |            |         |           |                              |                              |                              |                              |                    |          |
| DS1R                | 1          | 0       | 0         | 20.30                        | 20.41                        | 20.44                        | 20.53                        |                    |          |
| DS1R                | 1          | 46      | 30        | 20.33                        | 20.37                        | 20.34                        | 20.32                        | 20.30              | 21.1     |
| DS1R                | 1          | 92      | 30        | 20.43                        | 20.43                        | 20.43                        | 20.42                        | 20.42              |          |
| DS1R                | 1          | 138     | 30        | 20.38                        | 20.43                        | 20.53                        | 20.40                        | 20.40              |          |
| DS1R                | 1          | 184     | 30        | 20.47                        | 20.53                        | 20.48                        | 20.48                        | 20.48              | 21.1     |
| DS1R                | 1          | 230     | 30        | 20.43                        | 20.49                        | 20.42                        | 20.47                        | 20.46              |          |
| DS1R                | 1          | 276     | 30        | 20.48                        | 20.53                        | 20.47                        | 20.47                        | 20.47              |          |
| DS1R                | 1          | 322     | 30        | 20.48                        | 20.53                        | 20.47                        | 20.47                        | 20.47              | 21.1     |
| DS1R                | 1          | 368     | 30        | 20.43                        | 20.53                        | 20.48                        | 20.43                        | 20.50              |          |
| DS1R                | 1          | 414     | 30        | 20.48                        | 20.53                        | 20.47                        | 20.47                        | 20.47              |          |
| DS1R                | 1          | 460     | 30        | 20.54                        | 20.55                        | 20.49                        | 20.47                        | 20.47              | 21.1     |
| DS1R                | 1          | 506     | 30        | 20.48                        | 20.53                        | 20.47                        | 20.47                        | 20.47              |          |
| DS1R                | 1          | 552     | 30        | 20.54                        | 20.55                        | 20.49                        | 20.47                        | 20.47              |          |
| DS1R                | 1          | 598     | 30        | 20.54                        | 20.55                        | 20.49                        | 20.47                        | 20.47              | 21.1     |
| DS1R                | 1          | 644     | 30        | 20.54                        | 20.55                        | 20.49                        | 20.47                        | 20.47              |          |
| DS1R                | 1          | 690     | 30        | 20.54                        | 20.55                        | 20.49                        | 20.47                        | 20.47              |          |
| DS1R                | 1          | 736     | 30        | 20.54                        | 20.55                        | 20.49                        | 20.47                        | 20.47              | 21.1     |
| DS1R                | 1          | 782     | 30        | 20.54                        | 20.55                        | 20.49                        | 20.47                        | 20.47              |          |
| DS1R                | 1          | 828     | 30        | 20.54                        | 20.55                        | 20.49                        | 20.47                        | 20.47              |          |
| DS1R                | 1          | 874     | 30        | 20.54                        | 20.55                        | 20.49                        | 20.47                        | 20.47              | 21.1     |
| DS1R                | 1          | 920     | 30        | 20.54                        | 20.55                        | 20.49                        | 20.47                        | 20.47              |          |
| DS1R                | 1          | 966     | 30        | 20.54                        | 20.55                        | 20.49                        | 20.47                        | 20.47              |          |
| DS1R                | 1          | 1012    | 30        | 20.54                        | 20.55                        | 20.49                        | 20.47                        | 20.47              | 21.1     |
| DS1R                | 1          | 1058    | 30        | 20.54                        | 20.55                        | 20.49                        | 20.47                        | 20.47              |          |
| DS1R                | 1          | 1104    | 30        | 20.54                        | 20.55                        | 20.49                        | 20.47                        | 20.47              |          |
| DS1R                | 1          | 1150    | 30        | 20.54                        | 20.55                        | 20.49                        | 20.47                        | 20.47              | 21.1     |
| DS1R                | 1          | 1196    | 30        | 20.54                        | 20.55                        | 20.49                        | 20.47                        | 20.47              |          |
| DS1R                | 1          | 1242    | 30        | 20.54                        | 20.55                        | 20.49                        | 20.47                        | 20.47              |          |
| DS1R                | 1          | 1288    | 30        | 20.54                        | 20.55                        | 20.49                        | 20.47                        | 20.47              | 21.1     |
| DS1R                | 1          | 1334    | 30        | 20.54                        | 20.55                        | 20.49                        | 20.47                        | 20.47              |          |
| DS1R                | 1          | 1380    | 30        | 20.54                        | 20.55                        | 20.49                        | 20.47                        | 20.47              |          |
| DS1R                | 1          | 1426    | 30        | 20.54                        | 20.55                        | 20.49                        | 20.47                        | 20.47              | 21.1     |
| DS1R                | 1          | 1472    | 30        | 20.54                        | 20.55                        | 20.49                        | 20.47                        | 20.47              |          |
| DS1R                | 1          | 1518    | 30        | 20.54                        | 20.55                        | 20.49                        | 20.47                        | 20.47              |          |
| DS1R                | 1          | 1564    | 30        | 20.54                        | 20.55                        | 20.49                        | 20.47                        | 20.47              | 21.1     |
| DS1R                | 1          | 1610    | 30        | 20.54                        | 20.55                        | 20.49                        | 20.47                        | 20.47              |          |
| DS1R                | 1          | 1656    | 30        | 20.54                        | 20.55                        | 20.49                        | 20.47                        | 20.47              |          |
| DS1R                | 1          | 1702    | 30        | 20.54                        | 20.55                        | 20.49                        | 20.47                        | 20.47              | 21.1     |
| DS1R                | 1          | 1748    | 30        | 20.54                        | 20.55                        | 20.49                        | 20.47                        | 20.47              |          |
| DS1R                | 1          | 1794    | 30        | 20.54                        | 20.55                        | 20.49                        | 20.47                        | 20.47              |          |
| DS1R                | 1          | 1840    | 30        | 20.54                        | 20.55                        | 20.49                        | 20.47                        | 20.47              | 21.1     |
| DS1R                | 1          | 1886    | 30        | 20.54                        | 20.55                        | 20.49                        | 20.47                        | 20.47              |          |
| DS1R                | 1          | 1932    | 30        | 20.54                        | 20.55                        | 20.49                        | 20.47                        | 20.47              |          |
| DS1R                | 1          | 1978    | 30        | 20.54                        | 20.55                        | 20.49                        | 20.47                        | 20.47              | 21.1     |
| DS1R                | 1          |         |           |                              |                              |                              |                              |                    |          |

| Band 41_Ant 1 DSI 5 |            |         |           |                        |                            |                             |                         |                         |                         |                       |              |
|---------------------|------------|---------|-----------|------------------------|----------------------------|-----------------------------|-------------------------|-------------------------|-------------------------|-----------------------|--------------|
| RF Band             | Modulation | RF Size | RF Offset | Power Low<br>Ch (Frac) | Power Low<br>Mid Ch (Frac) | Power High<br>Mid Ch (Frac) | Power High<br>Ch (Frac) | Power High<br>Ch (Frac) | Power High<br>Ch (Frac) | Turn-on time<br>(dBm) | WPRM<br>(dB) |
| Channel             |            |         |           |                        |                            |                             |                         |                         |                         |                       |              |
| Frequency (MHz)     |            |         |           |                        |                            |                             |                         |                         |                         |                       |              |
| 20                  | OFDM       | 1       | 0         | 17.95                  | 18.16                      | 18.31                       | 18.12                   | 18.20                   |                         |                       |              |
| 20                  | OFDM       | 1       | 49        | 18.20                  | 18.20                      | 18.20                       | 18.20                   | 18.16                   | 18.1                    | 0                     |              |
| 20                  | OFDM       | 1       | 99        | 18.05                  | 18.05                      | 18.12                       | 18.12                   | 18.12                   |                         |                       |              |
| 20                  | OFDM       | 50      | 0         | 18.03                  | 18.20                      | 18.20                       | 18.20                   | 18.20                   |                         |                       |              |
| 20                  | OFDM       | 50      | 50        | 18.13                  | 18.33                      | 18.47                       | 18.47                   | 18.47                   | 18.1                    | 0                     |              |
| 20                  | OFDM       | 50      | 100       | 18.12                  | 18.33                      | 18.45                       | 18.41                   | 18.20                   |                         |                       |              |
| 20                  | OFDM       | 50      | 150       | 18.05                  | 18.25                      | 18.38                       | 18.38                   | 18.20                   |                         |                       |              |
| 20                  | OFDM       | 50      | 199       | 18.05                  | 18.25                      | 18.38                       | 18.38                   | 18.20                   | 18.1                    | 0                     |              |
| 20                  | OFDM       | 50      | 249       | 18.03                  | 18.25                      | 18.42                       | 18.24                   | 18.27                   |                         |                       |              |
| 20                  | OFDM       | 50      | 299       | 18.03                  | 18.25                      | 18.40                       | 18.24                   | 18.27                   |                         |                       |              |
| 20                  | OFDM       | 50      | 350       | 18.14                  | 18.38                      | 18.40                       | 18.24                   | 18.24                   | 18.1                    | 0                     |              |
| 20                  | OFDM       | 50      | 400       | 18.03                  | 18.25                      | 18.40                       | 18.24                   | 18.27                   |                         |                       |              |
| 20                  | OFDM       | 50      | 450       | 18.03                  | 18.25                      | 18.40                       | 18.24                   | 18.27                   |                         |                       |              |
| 20                  | OFDM       | 50      | 500       | 18.17                  | 18.20                      | 18.13                       | 18.24                   | 18.21                   |                         |                       |              |
| 20                  | OFDM       | 50      | 550       | 18.05                  | 18.20                      | 18.12                       | 18.20                   | 18.20                   |                         |                       |              |
| 20                  | OFDM       | 50      | 600       | 18.02                  | 18.08                      | 18.20                       | 18.27                   | 18.28                   |                         |                       |              |
| 20                  | OFDM       | 50      | 650       | 18.02                  | 18.08                      | 18.40                       | 18.20                   | 18.20                   |                         |                       |              |
| 20                  | OFDM       | 50      | 700       | 18.20                  | 18.41                      | 18.40                       | 18.20                   | 18.20                   | 18.1                    | 0                     |              |
| 20                  | OFDM       | 50      | 750       | 18.15                  | 18.30                      | 18.40                       | 18.27                   | 18.27                   |                         |                       |              |
| 20                  | OFDM       | 1000    | 0         | 18.21                  | 18.39                      | 18.47                       | 18.25                   | 18.25                   |                         |                       |              |
| Channel             |            |         |           |                        |                            |                             |                         |                         |                         |                       |              |
| 20                  | OFDM       | 1000    | 0         | 18.25                  | 18.41                      | 18.48                       | 18.27                   | 18.27                   |                         |                       |              |
| Frequency (MHz)     |            |         |           |                        |                            |                             |                         |                         |                         |                       |              |
| 15                  | OFDM       | 1       | 0         | 20.51                  | 20.61                      | 20.61                       | 20.61                   | 20.61                   |                         |                       |              |
| 15                  | OFDM       | 1       | 27        | 18.70                  | 18.73                      | 18.80                       | 18.74                   | 18.73                   | 18.1                    | 0                     |              |
| 15                  | OFDM       | 1       | 74        | 18.70                  | 18.73                      | 18.77                       | 18.74                   | 18.73                   |                         |                       |              |
| 15                  | OFDM       | 36      | 0         | 17.85                  | 18.23                      | 18.20                       | 18.21                   | 18.20                   |                         |                       |              |
| 15                  | OFDM       | 36      | 36        | 17.86                  | 17.83                      | 17.88                       | 17.88                   | 17.88                   |                         |                       |              |
| 15                  | OFDM       | 36      | 72        | 17.85                  | 17.80                      | 17.85                       | 17.84                   | 17.82                   |                         |                       |              |
| 15                  | OFDM       | 36      | 108       | 17.84                  | 17.84                      | 17.84                       | 17.84                   | 17.84                   |                         |                       |              |
| 15                  | OFDM       | 36      | 144       | 17.85                  | 17.88                      | 17.85                       | 17.84                   | 17.82                   |                         |                       |              |
| 15                  | OFDM       | 36      | 180       | 17.85                  | 17.88                      | 17.85                       | 17.84                   | 17.82                   |                         |                       |              |
| 15                  | OFDM       | 36      | 216       | 17.83                  | 17.84                      | 17.80                       | 17.87                   | 17.87                   | 18.1                    | 0                     |              |
| 15                  | OFDM       | 36      | 252       | 17.83                  | 17.84                      | 17.82                       | 17.86                   | 17.81                   |                         |                       |              |
| 15                  | OFDM       | 36      | 288       | 17.85                  | 17.88                      | 17.84                       | 17.85                   | 17.82                   |                         |                       |              |
| 15                  | OFDM       | 36      | 324       | 17.85                  | 17.88                      | 17.83                       | 17.87                   | 17.85                   |                         |                       |              |
| 15                  | OFDM       | 36      | 360       | 17.86                  | 17.88                      | 17.86                       | 17.86                   | 17.86                   |                         |                       |              |
| 15                  | OFDM       | 36      | 396       | 17.86                  | 17.88                      | 17.86                       | 17.86                   | 17.86                   |                         |                       |              |
| 15                  | OFDM       | 36      | 432       | 17.86                  | 17.88                      | 17.86                       | 17.86                   | 17.86                   |                         |                       |              |
| 15                  | OFDM       | 36      | 468       | 17.86                  | 17.88                      | 17.86                       | 17.86                   | 17.86                   |                         |                       |              |
| 15                  | OFDM       | 36      | 504       | 17.86                  | 17.88                      | 17.86                       | 17.86                   | 17.86                   |                         |                       |              |
| 15                  | OFDM       | 36      | 540       | 17.86                  | 17.88                      | 17.86                       | 17.86                   | 17.86                   |                         |                       |              |
| 15                  | OFDM       | 36      | 576       | 17.86                  | 1                          |                             |                         |                         |                         |                       |              |



| Band 41_Ant 2 DSI 5 |            |          |            |                   |                           |                           |                           |                    |           |
|---------------------|------------|----------|------------|-------------------|---------------------------|---------------------------|---------------------------|--------------------|-----------|
| Env (MHz)           | Modulation | RIS Size | RIS Offset | Power Low Ch/Freq | Power Line Middle Ch/Freq | Power High Middle Ch/Freq | Power High Middle Ch/Freq | Turn-up time (dBm) | upm (dBm) |
| Channel             |            |          |            |                   |                           |                           |                           |                    |           |
| Frequency (MHz)     |            |          |            |                   |                           |                           |                           |                    |           |
| 20                  | QPSK       | 1        | 0          | 19.23             | 19.23                     | 19.14                     | 19.23                     |                    |           |
| QPSK                | 1          | 49       | 10         | 18.12             | 18.12                     | 18.09                     | 18.09                     | 21                 | 0         |
| QPSK                | 1          | 99       | 10         | 16.16             | 16.16                     | 16.09                     | 16.09                     |                    |           |
| QPSK                | 1          | 0        | 10         | 18.02             | 18.02                     | 18.09                     | 18.04                     |                    |           |
| QPSK                | 1          | 24       | 10         | 19.27             | 19.24                     | 19.27                     | 19.27                     |                    |           |
| QPSK                | 1          | 50       | 10         | 18.02             | 18.11                     | 18.09                     | 18.12                     | 21                 | 0         |
| QPSK                | 1          | 99       | 10         | 16.06             | 16.06                     | 16.09                     | 16.09                     |                    |           |
| QPSK                | 1          | 49       | 10         | 18.02             | 18.02                     | 18.09                     | 18.04                     |                    |           |
| QPSK                | 1          | 24       | 10         | 19.27             | 19.24                     | 19.27                     | 19.27                     | 21                 | 0         |
| QPSK                | 1          | 50       | 10         | 18.02             | 18.11                     | 18.09                     | 18.14                     |                    |           |
| QPSK                | 1          | 99       | 10         | 16.06             | 16.06                     | 16.09                     | 16.09                     |                    |           |
| QPSK                | 1          | 49       | 10         | 18.02             | 18.02                     | 18.09                     | 18.04                     |                    |           |
| QPSK                | 1          | 24       | 10         | 19.27             | 19.24                     | 19.27                     | 19.27                     | 21                 | 0         |
| QPSK                | 1          | 50       | 10         | 18.02             | 18.11                     | 18.09                     | 18.14                     |                    |           |
| QPSK                | 1          | 99       | 10         | 16.06             | 16.06                     | 16.09                     | 16.09                     |                    |           |
| QPSK                | 1          | 49       | 10         | 18.02             | 18.02                     | 18.09                     | 18.04                     |                    |           |
| QPSK                | 1          | 24       | 10         | 19.27             | 19.24                     | 19.27                     | 19.27                     | 21                 | 0         |
| QPSK                | 1          | 50       | 10         | 18.02             | 18.11                     | 18.09                     | 18.14                     |                    |           |
| QPSK                | 1          | 99       | 10         | 16.06             | 16.06                     | 16.09                     | 16.09                     |                    |           |
| QPSK                | 1          | 49       | 10         | 18.02             | 18.02                     | 18.09                     | 18.04                     |                    |           |
| QPSK                | 1          | 24       | 10         | 19.27             | 19.24                     | 19.27                     | 19.27                     | 21                 | 0         |
| QPSK                | 1          | 50       | 10         | 18.02             | 18.11                     | 18.09                     | 18.14                     |                    |           |
| QPSK                | 1          | 99       | 10         | 16.06             | 16.06                     | 16.09                     | 16.09                     |                    |           |
| QPSK                | 1          | 49       | 10         | 18.02             | 18.02                     | 18.09                     | 18.04                     |                    |           |
| QPSK                | 1          | 24       | 10         | 19.27             | 19.24                     | 19.27                     | 19.27                     | 21                 | 0         |
| QPSK                | 1          | 50       | 10         | 18.02             | 18.11                     | 18.09                     | 18.14                     |                    |           |
| QPSK                | 1          | 99       | 10         | 16.06             | 16.06                     | 16.09                     | 16.09                     |                    |           |
| QPSK                | 1          | 49       | 10         | 18.02             | 18.02                     | 18.09                     | 18.04                     |                    |           |
| QPSK                | 1          | 24       | 10         | 19.27             | 19.24                     | 19.27                     | 19.27                     | 21                 | 0         |
| QPSK                | 1          | 50       | 10         | 18.02             | 18.11                     | 18.09                     | 18.14                     |                    |           |
| QPSK                | 1          | 99       | 10         | 16.06             | 16.06                     | 16.09                     | 16.09                     |                    |           |
| QPSK                | 1          | 49       | 10         | 18.02             | 18.02                     | 18.09                     | 18.04                     |                    |           |
| QPSK                | 1          | 24       | 10         | 19.27             | 19.24                     | 19.27                     | 19.27                     | 21                 | 0         |
| QPSK                | 1          | 50       | 10         | 18.02             | 18.11                     | 18.09                     | 18.14                     |                    |           |
| QPSK                | 1          | 99       | 10         | 16.06             | 16.06                     | 16.09                     | 16.09                     |                    |           |
| QPSK                | 1          | 49       | 10         | 18.02             | 18.02                     | 18.09                     | 18.04                     |                    |           |
| QPSK                | 1          | 24       | 10         | 19.27             | 19.24                     | 19.27                     | 19.27                     | 21                 | 0         |
| QPSK                | 1          | 50       | 10         | 18.02             | 18.11                     | 18.09                     | 18.14                     |                    |           |
| QPSK                | 1          | 99       | 10         | 16.06             | 16.06                     | 16.09                     | 16.09                     |                    |           |
| QPSK                | 1          | 49       | 10         | 18.02             | 18.02                     | 18.09                     | 18.04                     |                    |           |
| QPSK                | 1          | 24       | 10         | 19.27             | 19.24                     | 19.27                     | 19.27                     | 21                 | 0         |
| QPSK                | 1          | 50       | 10         | 18.02             | 18.11                     | 18.09                     | 18.14                     |                    |           |
| QPSK                | 1          | 99       | 10         | 16.06             | 16.06                     | 16.09                     | 16.09                     |                    |           |
| QPSK                | 1          | 49       | 10         | 18.02             | 18.02                     | 18.09                     | 18.04                     |                    |           |
| QPSK                | 1          | 24       | 10         | 19.27             | 19.24                     | 19.27                     | 19.27                     | 21                 | 0         |
| QPSK                | 1          | 50       | 10         | 18.02             | 18.11                     | 18.09                     | 18.14                     |                    |           |
| QPSK                | 1          | 99       | 10         | 16.06             | 16.06                     | 16.09                     | 16.09                     |                    |           |
| QPSK                | 1          | 49       | 10         | 18.02             | 18.02                     | 18.09                     | 18.04                     |                    |           |
| QPSK                | 1          | 24       | 10         | 19.27             | 19.24                     | 19.27                     | 19.27                     | 21                 | 0         |
| QPSK                | 1          | 50       | 10         | 18.02             | 18.11                     | 18.09                     | 18.14                     |                    |           |
| QPSK                | 1          | 99       | 10         | 16.06             | 16.06                     | 16.09                     | 16.09                     |                    |           |
| QPSK                | 1          | 49       | 10         | 18.02             | 18.02                     | 18.09                     | 18.04                     |                    |           |
| QPSK                | 1          | 24       | 10         | 19.27             | 19.24                     | 19.27                     | 19.27                     | 21                 | 0         |
| QPSK                | 1          | 50       | 10         | 18.02             | 18.11                     | 18.09                     | 18.14                     |                    |           |
| QPSK                | 1          | 99       | 10         | 16.06             | 16.06                     | 16.09                     | 16.09                     |                    |           |
| QPSK                | 1          | 49       | 10         | 18.02             | 18.02                     | 18.09                     | 18.04                     |                    |           |
| QPSK                | 1          | 24       | 10         | 19.27             | 19.24                     | 19.27                     | 19.27                     | 21                 | 0         |
| QPSK                | 1          | 50       | 10         | 18.02             | 18.11                     | 18.09                     | 18.14                     |                    |           |
| QPSK                | 1          | 99       | 10         | 16.06             | 16.06                     | 16.09                     | 16.09                     |                    |           |
| QPSK                | 1          | 49       | 10         | 18.02             | 18.02                     | 18.09                     | 18.04                     |                    |           |
| QPSK                | 1          | 24       | 10         | 19.27             | 19.24                     | 19.27                     | 19.27                     | 21                 | 0         |
| QPSK                | 1          | 50       | 10         | 18.02             | 18.11                     | 18.09                     | 18.14                     |                    |           |
| QPSK                | 1          | 99       | 10         | 16.06             | 16.06                     | 16.09                     | 16.09                     |                    |           |
| QPSK                | 1          | 49       | 10         | 18.02             | 18.02                     | 18.09                     | 18.04                     |                    |           |
| QPSK                | 1          | 24       | 10         | 19.27             | 19.24                     | 19.27                     | 19.27                     | 21                 | 0         |
| QPSK                | 1          | 50       | 10         | 18.02             | 18.11                     | 18.09                     | 18.14                     |                    |           |
| QPSK                | 1          | 99       | 10         | 16.06             | 16.06                     | 16.09                     | 16.09                     |                    |           |
| QPSK                | 1          | 49       | 10         | 18.02             | 18.02                     | 18.09                     | 18.04                     |                    |           |
| QPSK                | 1          | 24       | 10         | 19.27             | 19.24                     | 19.27                     | 19.27                     | 21                 | 0         |
| QPSK                | 1          | 50       | 10         | 18.02             | 18.11                     | 18.09                     | 18.14                     |                    |           |
| QPSK                | 1          | 99       | 10         | 16.06             | 16.06                     | 16.09                     | 16.09                     |                    |           |
| QPSK                | 1          | 49       | 10         | 18.02             | 18.02                     | 18.09                     | 18.04                     |                    |           |
| QPSK                | 1          | 24       | 10         | 19.27             | 19.24                     | 19.27                     | 19.27                     | 21                 | 0         |
| QPSK                | 1          | 50       | 10         | 18.02             | 18.11                     | 18.09                     | 18.14                     |                    |           |
| QPSK                | 1          | 99       | 10         | 16.06             | 16.06                     | 16.09                     | 16.09                     |                    |           |
| QPSK                | 1          | 49       | 10         | 18.02             | 18.02                     | 18.09                     | 18.04                     |                    |           |
| QPSK                | 1          | 24       | 10         | 19.27             | 19.24                     | 19.27                     | 19.27                     | 21                 | 0         |
| QPSK                | 1          | 50       | 10         | 18.02             | 18.11                     | 18.09                     | 18.14                     |                    |           |
| QPSK                | 1          | 99       | 10         | 16.06             | 16.06                     | 16.09                     | 16.09                     |                    |           |
| QPSK                | 1          | 49       | 10         | 18.02             | 18.02                     | 18.09                     | 18.04                     |                    |           |
| QPSK                | 1          | 24       | 10         | 19.27             | 19.24                     | 19.27                     | 19.27                     | 21                 | 0         |
| QPSK                | 1          | 50       | 10         | 18.02             | 18.11                     | 18.09                     | 18.14                     |                    |           |
| QPSK                | 1          | 99       | 10         | 16.06             | 16.06                     | 16.09                     | 16.09                     |                    |           |
| QPSK                | 1          | 49       | 10         | 18.02             | 18.02                     | 18.09                     | 18.04                     |                    |           |
| QPSK                | 1          | 24       | 10         | 19.27             | 19.24                     | 19.27                     | 19.27                     | 21                 | 0         |
| QPSK                | 1          | 50       | 10         | 18.02             | 18.11                     | 18.09                     | 18.14                     |                    |           |
| QPSK                | 1          | 99       | 10         | 16.06             | 16.06                     | 16.09                     | 16.09                     |                    |           |
| QPSK                | 1          | 49       | 10         | 18.02             | 18.02                     | 18.09                     | 18.04                     |                    |           |
| QPSK                | 1          | 24       | 10         | 19.27             | 19.24                     | 19.27                     | 19.27                     | 21                 | 0         |
| QPSK                | 1          | 50       | 10         | 18.02             | 18.11                     | 18.09                     | 18.14                     |                    |           |
| QPSK                | 1          | 99       | 10         | 16.06             | 16.06                     | 16.09                     | 16.09                     |                    |           |
| QPSK                | 1          | 49       | 10         | 18.02             | 18.02                     | 18.09                     | 18.04                     |                    |           |
| QPSK                | 1          | 24       | 10         | 19.27             | 19.24                     | 19.27                     | 19.27                     | 21                 | 0         |
| QPSK                | 1          | 50       | 10         | 18.02             | 18.11                     | 18.09                     | 18.14                     |                    |           |
| QPSK                | 1          | 99       | 10         | 16.06             | 16.06                     | 16.09                     | 16.09                     |                    |           |
| QPSK                | 1          | 49       | 10         | 18.02             | 18.02                     | 18.09                     | 18.04                     |                    |           |
| QPSK                | 1          | 24       | 10         | 19.27             | 19.24                     | 19.27                     | 19.27                     | 21                 | 0         |
| QPSK                | 1          | 50       | 10         | 18.02             | 18.11                     | 18.09                     | 18.14                     |                    |           |
| QPSK                | 1          | 99       | 10         | 16.06             | 16.06                     | 16.09                     | 16.09                     |                    |           |
| QPSK                | 1          | 49       | 10         | 18.02             | 18.02                     | 18.09                     | 18.04                     |                    |           |
| QPSK                | 1          | 24       | 10         | 19.27             | 19.24                     | 19.27                     | 19.27                     | 21                 | 0         |
| QPSK                | 1          | 50       | 10         | 18.02             | 18.11                     | 18.09                     | 18.14                     |                    |           |
| QPSK                | 1          | 99       | 10         | 16.06             | 16.06                     | 16.09                     | 16.09                     |                    |           |
| QPSK                | 1          | 49       | 10         | 18.02             | 18.02                     | 18.09                     | 18.04                     |                    |           |
| QPSK                | 1          | 24       | 10         | 19.27             | 19.24                     | 19.27                     | 19.27                     | 21                 | 0         |
| QPSK                | 1          | 50       | 10         | 18.02             | 18.11                     | 18.09                     | 18.14                     |                    |           |
| QPSK                | 1          | 99       | 10         | 16.06             | 16.06                     | 16.09                     | 16.09                     |                    |           |
| QPSK                | 1          | 49       | 10         | 18.02             | 18.02                     | 18.09                     | 18.04                     |                    |           |
| QPSK                | 1          | 24       | 10         | 19.27             | 19.24                     | 19.27                     | 19.27                     | 21                 | 0         |
| QPSK                | 1          | 50       | 10         | 18.02             | 18.11                     | 18.09                     | 18.14                     |                    |           |
| QPSK                | 1          | 99       | 10         | 16.06             | 16.06                     | 16.09                     | 16.09                     |                    |           |
| QPSK                | 1          | 49       | 10         | 18.02             | 18.02                     | 18.09                     | 18.04                     |                    |           |
| QPSK                | 1          | 24       | 10         | 19.27             | 19.24                     | 19.27                     | 19.27                     | 21                 | 0         |
| QPSK                | 1          | 50       | 10         | 18.02             | 18.11                     | 18.09                     | 18.14                     |                    |           |
| QPSK                | 1          | 99       | 10         | 16.06             | 16.06                     | 16.09                     | 16.09                     |                    |           |
| QPSK                | 1          | 49       | 10         | 18.02             | 18.02                     | 18.09                     | 18.04                     |                    |           |
| QPSK                | 1          | 24       | 10         | 19.27             | 19.24                     | 19.27                     | 19.27                     | 21                 | 0         |
| QPSK                | 1          | 50       | 10         | 18.02             | 18.11                     | 18.09                     | 18.14                     |                    |           |
| QPSK                | 1          | 99       | 10         | 16.06             | 16.06                     | 16.09                     | 16.09                     |                    |           |
| QPSK                | 1          | 49       | 10         | 18.02             | 18.02                     | 18.09                     | 18.04                     |                    |           |
| QPSK                | 1          | 24       | 10         | 19.27             | 19.24                     | 19.27                     | 19.27                     | 21                 | 0         |
| QPSK                | 1          | 50       | 10         | 18.02             | 18.11                     | 18.09                     | 18.14                     |                    |           |
| QPSK                | 1          | 99       | 10         | 16.06             | 16.06                     | 16.09                     | 16.09                     |                    |           |
| QPSK                | 1          | 49       | 10         | 18.02             | 18.02                     | 18.09                     | 18.04                     |                    |           |
| QPSK                | 1          | 24       | 10         | 19.27             | 19.24                     | 19.27                     | 19.27                     | 21                 | 0         |
| QPSK                | 1          | 50       | 10         | 18.02             | 18.11                     | 18.09                     | 18.14                     |                    |           |
| QPSK                | 1          | 99       | 10         | 16.06             | 16.06                     | 16.09                     | 16.09                     |                    |           |
| QPSK                | 1          | 49       | 10         | 18.02             | 18.02                     | 18.09                     | 18.04                     |                    |           |
| QPSK                | 1          | 24       | 10         | 19.27             | 19.24                     | 19.27                     | 19.27                     | 21                 | 0         |
| QPSK                | 1          | 50       | 10         | 18.02             | 18.11                     | 18.09                     | 18.14                     |                    |           |
| QPSK                | 1          | 99       | 10         | 16.06             | 16.06                     | 16.09                     | 16.09                     |                    |           |
| QPSK                | 1          | 49       | 10         | 18.02             | 18.02                     | 18.09                     | 18.04                     |                    |           |
| QPSK                | 1          | 24       | 10         | 19.27             | 19.24                     | 19.27                     | 19.27                     | 21                 | 0         |
| QPSK                | 1          | 50       | 10         | 18.02             | 18.11                     | 18.09                     | 18.14                     |                    |           |
| QPSK                | 1          | 99       | 10         | 16.06             | 16.06                     | 16.09                     | 16.09                     |                    |           |
| QPSK                | 1          | 49       | 10         | 18.02             | 18.02                     | 18.09                     | 18.04                     |                    |           |
| QPSK                | 1          | 24       | 10         | 19.27             | 19.24                     | 19.27                     | 19.27                     | 21                 | 0         |
| QPSK                | 1          | 50       | 10         | 18.02             | 18.11                     | 18.09                     | 18.14                     |                    |           |
| QPSK                | 1          | 99       | 10         | 16.06             | 16.06                     | 16.09                     | 16.09                     |                    |           |
| QPSK                | 1          | 49       | 10         | 18.02             | 18.02                     | 18.09                     | 18.04                     |                    |           |
| QPSK                | 1          | 24       | 10         | 19.27             | 19.24                     | 19.27                     | 19.27                     | 21                 | 0         |
| QPSK                | 1          | 50       | 10         | 18.02             | 18.11                     | 18.09                     | 18.14                     |                    |           |
| QPSK                | 1          | 99       | 10         | 16.06             | 16.06                     | 16.09                     | 16.09                     |                    |           |
| QPSK                | 1          | 49       | 10         | 18.02             | 18.02                     | 18.09                     | 18.04                     |                    |           |
| QPSK                | 1          | 24       | 10         | 19.27             | 19.24                     | 19.27                     | 19.27                     | 21                 | 0         |
| QPSK                | 1          | 50       | 10         | 18.02             | 18.11                     | 18.09                     | 18.14                     |                    |           |
| QPSK                | 1          | 99       | 10         | 16.06             | 16.06                     | 16.09                     | 16.09                     |                    |           |
| QPSK                | 1          | 49       | 10         | 18.02             | 18.02                     | 18.09                     | 18.04                     |                    |           |
| QPSK                | 1          | 24       | 10         | 19.27             | 19.24                     | 19.27                     | 19.27                     | 21                 | 0         |
| QPSK                | 1          | 50       | 10         | 18.02             | 18.11                     | 18.09                     | 18.14                     |                    |           |
| QPSK                | 1          | 99       | 10         | 16.06             |                           |                           |                           |                    |           |



| n5_Ant 1 DSI 2&4&6&3&5 |            |         |           |                       |                          |                        |                     |          |  |  |
|------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|--|
| BW [MHz]               | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |  |
| Channel                |            |         |           | 166800                | 167300                   | 167800                 | Tune-up limit (dBm) | MPR (dB) |  |  |
| Frequency (MHz)        |            |         |           | 834                   | 836.5                    | 839                    |                     |          |  |  |
| 20                     | PI2 BPSK   | 1       | 1         | 23.18                 | 23.21                    | 23.13                  | 24.0                | 0.0      |  |  |
| 20                     | PI2 BPSK   | 1       | 53        | 23.13                 | 23.16                    | 23.09                  |                     |          |  |  |
| 20                     | PI2 BPSK   | 1       | 104       | 23.05                 | 23.06                    | 23.09                  |                     |          |  |  |
| 20                     | PI2 BPSK   | 50      | 0         | 23.01                 | 23.09                    | 23.01                  | 24.0                | 0.0      |  |  |
| 20                     | PI2 BPSK   | 50      | 28        | 22.96                 | 23.04                    | 22.96                  |                     |          |  |  |
| 20                     | PI2 BPSK   | 50      | 56        | 22.96                 | 23.02                    | 22.96                  |                     |          |  |  |
| 20                     | PI2 BPSK   | 100     | 0         | 21.19                 | 22.99                    | 21.22                  | 23.5                | 0.5      |  |  |
| 20                     | QPSK       | 1       | 1         | 23.09                 | 23.22                    | 23.06                  | 24.0                | 0.0      |  |  |
| 20                     | QPSK       | 1       | 53        | 23.10                 | 23.24                    | 23.06                  |                     |          |  |  |
| 20                     | QPSK       | 1       | 104       | 23.01                 | 23.13                    | 23.01                  |                     |          |  |  |
| 20                     | QPSK       | 50      | 0         | 22.93                 | 23.01                    | 22.96                  | 24.0                | 0.0      |  |  |
| 20                     | QPSK       | 50      | 28        | 22.94                 | 23.05                    | 22.87                  |                     |          |  |  |
| 20                     | QPSK       | 50      | 56        | 22.94                 | 22.98                    | 22.91                  |                     |          |  |  |
| 20                     | QPSK       | 100     | 0         | 22.86                 | 22.93                    | 22.88                  | 23.0                | 1.0      |  |  |
| 20                     | 16QAM      | 1       | 1         | 22.85                 | 22.96                    | 22.79                  | 23.0                | 1.0      |  |  |
| 20                     | 16QAM      | 1       | 53        | 22.75                 | 22.79                    | 22.61                  |                     |          |  |  |
| 20                     | 16QAM      | 1       | 104       | 22.67                 | 22.62                    | 22.59                  |                     |          |  |  |
| 20                     | 16QAM      | 50      | 0         | 22.48                 | 22.48                    | 22.52                  | 23.0                | 1.0      |  |  |
| 20                     | 16QAM      | 50      | 28        | 22.35                 | 22.30                    | 22.50                  |                     |          |  |  |
| 20                     | 16QAM      | 50      | 56        | 22.29                 | 22.23                    | 22.31                  |                     |          |  |  |
| 20                     | 16QAM      | 100     | 0         | 21.19                 | 21.11                    | 21.21                  | 22.0                | 2.0      |  |  |
| 20                     | 64QAM      | 1       | 1         | 21.29                 | 21.44                    | 21.35                  | 21.5                | 2.5      |  |  |
| 20                     | 64QAM      | 1       | 53        | 21.09                 | 21.29                    | 21.23                  |                     |          |  |  |
| 20                     | 64QAM      | 1       | 104       | 21.01                 | 21.12                    | 21.16                  |                     |          |  |  |
| 20                     | 64QAM      | 50      | 0         | 20.92                 | 20.93                    | 21.16                  | 21.5                | 2.5      |  |  |
| 20                     | 64QAM      | 50      | 28        | 20.92                 | 20.93                    | 21.13                  |                     |          |  |  |
| 20                     | 64QAM      | 50      | 56        | 20.81                 | 20.93                    | 21.07                  |                     |          |  |  |
| 20                     | 64QAM      | 100     | 0         | 20.81                 | 20.83                    | 21.05                  | 21.5                | 2.5      |  |  |
| 20                     | 256QAM     | 1       | 1         | 19.18                 | 19.41                    | 19.29                  | 19.5                | 4.5      |  |  |
| 20                     | 256QAM     | 1       | 53        | 19.13                 | 19.24                    | 19.11                  |                     |          |  |  |
| 20                     | 256QAM     | 1       | 104       | 19.02                 | 19.07                    | 18.97                  |                     |          |  |  |
| 20                     | 256QAM     | 50      | 0         | 18.83                 | 19.06                    | 18.87                  | 19.5                | 4.5      |  |  |
| 20                     | 256QAM     | 50      | 28        | 18.80                 | 18.94                    | 18.67                  |                     |          |  |  |
| 20                     | 256QAM     | 50      | 56        | 18.72                 | 18.84                    | 18.56                  |                     |          |  |  |
| 20                     | 256QAM     | 100     | 0         | 18.70                 | 18.69                    | 18.41                  | 19.5                | 4.5      |  |  |
| Channel                |            |         |           | 166300                | 167300                   | 168300                 | Tune-up limit (dBm) | MPR (dB) |  |  |
| Frequency (MHz)        |            |         |           | 831.5                 | 836.5                    | 841.5                  |                     |          |  |  |
| 15                     | PI2 BPSK   | 1       | 1         | 23.27                 | 23.12                    | 23.08                  | 24.0                | 0.0      |  |  |
| 15                     | QPSK       | 1       | 1         | 23.08                 | 23.24                    | 23.12                  | 24.0                | 0.0      |  |  |
| 15                     | 16QAM      | 1       | 1         | 22.23                 | 22.33                    | 22.21                  | 23.0                | 1.0      |  |  |
| 15                     | 16QAM      | 1       | 40        | 22.18                 | 22.20                    | 22.20                  |                     |          |  |  |
| 15                     | 16QAM      | 1       | 77        | 22.18                 | 22.13                    | 22.18                  |                     |          |  |  |
| 15                     | 16QAM      | 36      | 0         | 22.20                 | 22.14                    | 22.11                  | 23.0                | 1.0      |  |  |
| 15                     | 16QAM      | 36      | 22        | 22.21                 | 22.14                    | 22.02                  |                     |          |  |  |
| 15                     | 16QAM      | 36      | 43        | 22.15                 | 22.23                    | 22.06                  |                     |          |  |  |
| 15                     | 16QAM      | 75      | 0         | 21.55                 | 21.77                    | 21.56                  | 22.0                | 2.0      |  |  |
| 15                     | 64QAM      | 1       | 1         | 21.01                 | 21.11                    | 21.05                  | 21.5                | 2.5      |  |  |
| 15                     | 64QAM      | 1       | 40        | 20.98                 | 21.05                    | 20.90                  |                     |          |  |  |
| 15                     | 64QAM      | 1       | 77        | 20.99                 | 20.94                    | 20.99                  |                     |          |  |  |
| 15                     | 64QAM      | 36      | 0         | 20.97                 | 21.07                    | 20.85                  | 21.5                | 2.5      |  |  |
| 15                     | 64QAM      | 36      | 22        | 20.90                 | 20.94                    | 20.91                  |                     |          |  |  |
| 15                     | 64QAM      | 36      | 43        | 20.95                 | 21.09                    | 20.91                  |                     |          |  |  |
| 15                     | 64QAM      | 75      | 0         | 20.92                 | 21.08                    | 20.96                  | 21.5                | 2.5      |  |  |
| 15                     | 256QAM     | 1       | 1         | 18.88                 | 18.96                    | 18.95                  | 19.5                | 4.5      |  |  |
| 15                     | 256QAM     | 1       | 40        | 18.84                 | 18.88                    | 18.81                  |                     |          |  |  |
| 15                     | 256QAM     | 1       | 77        | 18.86                 | 18.85                    | 18.89                  |                     |          |  |  |
| 15                     | 256QAM     | 36      | 0         | 18.80                 | 18.87                    | 18.80                  | 19.5                | 4.5      |  |  |
| 15                     | 256QAM     | 36      | 22        | 18.88                 | 18.95                    | 18.86                  |                     |          |  |  |
| 15                     | 256QAM     | 36      | 43        | 18.85                 | 18.90                    | 18.89                  |                     |          |  |  |
| 15                     | 256QAM     | 75      | 0         | 18.85                 | 18.85                    | 18.83                  | 19.5                | 4.5      |  |  |
| Channel                |            |         |           | 165800                | 167300                   | 168800                 | Tune-up limit (dBm) | MPR (dB) |  |  |
| Frequency (MHz)        |            |         |           | 829                   | 836.5                    | 844                    |                     |          |  |  |
| 10                     | PI2 BPSK   | 1       | 1         | 23.11                 | 22.98                    | 23.10                  | 24.0                | 0.0      |  |  |
| 10                     | PI2 BPSK   | 1       | 26        | 23.10                 | 22.90                    | 22.97                  |                     |          |  |  |
| 10                     | PI2 BPSK   | 1       | 50        | 22.98                 | 22.86                    | 22.94                  |                     |          |  |  |
| 10                     | PI2 BPSK   | 25      | 0         | 22.97                 | 22.93                    | 23.10                  | 24.0                | 0.0      |  |  |
| 10                     | PI2 BPSK   | 25      | 14        | 22.98                 | 22.94                    | 22.96                  |                     |          |  |  |
| 10                     | PI2 BPSK   | 25      | 27        | 22.91                 | 22.82                    | 22.95                  |                     |          |  |  |
| 10                     | PI2 BPSK   | 50      | 0         | 22.31                 | 22.22                    | 22.34                  | 23.5                | 0.5      |  |  |
| 10                     | QPSK       | 1       | 1         | 23.05                 | 22.90                    | 23.04                  | 24.0                | 0.0      |  |  |
| 10                     | QPSK       | 1       | 26        | 23.03                 | 22.72                    | 22.88                  |                     |          |  |  |
| 10                     | QPSK       | 1       | 50        | 22.96                 | 22.73                    | 23.00                  |                     |          |  |  |
| 10                     | QPSK       | 25      | 0         | 23.05                 | 22.76                    | 23.02                  | 24.0                | 0.0      |  |  |
| 10                     | QPSK       | 25      | 14        | 22.93                 | 22.74                    | 22.99                  |                     |          |  |  |
| 10                     | QPSK       | 25      | 27        | 23.04                 | 22.77                    | 22.92                  |                     |          |  |  |
| 10                     | QPSK       | 50      | 0         | 22.01                 | 21.67                    | 21.88                  | 23.0                | 1.0      |  |  |
| 10                     | 16QAM      | 1       | 1         | 22.28                 | 22.79                    | 22.20                  | 23.0                | 1.0      |  |  |
| 10                     | 16QAM      | 1       | 26        | 22.12                 | 22.72                    | 22.16                  |                     |          |  |  |
| 10                     | 16QAM      | 1       | 50        | 22.08                 | 22.72                    | 22.10                  |                     |          |  |  |
| 10                     | 16QAM      | 25      | 0         | 22.17                 | 22.74                    | 22.12                  | 23.0                | 1.0      |  |  |
| 10                     | 16QAM      | 25      | 14        | 22.22                 | 22.73                    | 22.10                  |                     |          |  |  |
| 10                     | 16QAM      | 25      | 27        | 22.25                 | 22.73                    | 22.01                  |                     |          |  |  |
| 10                     | 16QAM      | 50      | 0         | 21.14                 | 21.72                    | 20.99                  | 22.0                | 2.0      |  |  |
| 10                     | 64QAM      | 1       | 1         | 20.93                 | 21.38                    | 21.03                  | 21.5                | 2.5      |  |  |
| 10                     | 64QAM      | 1       | 26        | 20.84                 | 21.36                    | 20.84                  |                     |          |  |  |
| 10                     | 64QAM      | 1       | 50        | 20.85                 | 21.34                    | 20.84                  |                     |          |  |  |
| 10                     | 64QAM      | 25      | 0         | 20.87                 | 21.31                    | 21.01                  | 21.5                | 2.5      |  |  |
| 10                     | 64QAM      | 25      | 14        | 20.76                 | 21.19                    | 20.97                  |                     |          |  |  |
| 10                     | 64QAM      | 25      | 27        | 20.80                 | 21.34                    | 20.95                  |                     |          |  |  |
| 10                     | 64QAM      | 50      | 0         | 20.76                 | 21.35                    | 20.85                  | 21.5                | 2.5      |  |  |
| 10                     | 256QAM     | 1       | 1         | 18.78                 | 18.97                    | 19.04                  | 19.5                | 4.5      |  |  |
| 10                     | 256QAM     | 1       | 26        | 18.68                 | 18.93                    | 18.87                  |                     |          |  |  |
| 10                     | 256QAM     | 1       | 50        | 18.63                 | 18.91                    | 18.96                  |                     |          |  |  |
| 10                     | 256QAM     | 25      | 0         | 18.69                 | 18.84                    | 18.93                  | 19.5                | 4.5      |  |  |
| 10                     | 256QAM     | 25      | 14        | 18.77                 | 18.88                    | 19.04                  |                     |          |  |  |
| 10                     | 256QAM     | 25      | 27        | 18.60                 | 18.93                    | 18.96                  |                     |          |  |  |
| 10                     | 256QAM     | 50      | 0         | 18.62                 | 18.95                    | 18.93                  | 19.5                | 4.5      |  |  |

| n5_Ant 2 DSI 2&4&6&3&5 |            |         |           |                      |                         |                       |                     |          |  |
|------------------------|------------|---------|-----------|----------------------|-------------------------|-----------------------|---------------------|----------|--|
| BW [MHz]               | Modulation | RB Size | RB Offset | Power Low Ch. / Freq | Power Middle Ch. / Freq | Power High Ch. / Freq | Tune-up limit (dbm) | MPR (db) |  |
| Channel                |            |         |           | 166800               | 167300                  | 167800                | Tune-up limit (dbm) | MPR (db) |  |
| Frequency (MHz)        |            |         |           | 834                  | 836.5                   | 839                   |                     |          |  |
| 20                     | PI/2 BPSK  | 1       | 1         | 23.90                | 23.92                   | 23.80                 | 24.0                | 0.0      |  |
| 20                     | PI/2 BPSK  | 1       | 53        | 23.88                | 23.84                   | 23.72                 |                     |          |  |
| 20                     | PI/2 BPSK  | 1       | 104       | 23.86                | 23.75                   | 23.68                 |                     |          |  |
| 20                     | PI/2 BPSK  | 50      | 0         | 23.67                | 23.77                   | 23.68                 | 24.0                | 0.0      |  |
| 20                     | PI/2 BPSK  | 50      | 28        | 23.70                | 23.73                   | 23.63                 |                     |          |  |
| 20                     | PI/2 BPSK  | 50      | 56        | 23.63                | 23.16                   | 23.63                 |                     |          |  |
| 20                     | PI/2 BPSK  | 100     | 0         | 22.02                | 22.04                   | 21.98                 | 23.5                | 0.5      |  |
| 20                     | QPSK       | 1       | 1         | 21.91                | 21.79                   | 21.75                 | 24.0                | 0.0      |  |
| 20                     | QPSK       | 1       | 53        | 23.15                | 23.27                   | 22.92                 |                     |          |  |
| 20                     | QPSK       | 1       | 104       | 21.45                | 21.35                   | 21.36                 |                     |          |  |
| 20                     | QPSK       | 50      | 0         | 22.61                | 22.66                   | 22.77                 | 24.0                | 0.0      |  |
| 20                     | QPSK       | 50      | 28        | 23.61                | 23.80                   | 23.84                 |                     |          |  |
| 20                     | QPSK       | 50      | 56        | 22.82                | 22.65                   | 22.71                 |                     |          |  |
| 20                     | QPSK       | 100     | 0         | 22.64                | 22.70                   | 22.75                 | 23.0                | 1.0      |  |
| 20                     | 16QAM      | 1       | 1         | 20.82                | 20.68                   | 20.92                 | 23.0                | 1.0      |  |
| 20                     | 16QAM      | 1       | 53        | 20.73                | 20.62                   | 20.83                 |                     |          |  |
| 20                     | 16QAM      | 1       | 104       | 20.73                | 20.61                   | 20.81                 |                     |          |  |
| 20                     | 16QAM      | 50      | 0         | 20.77                | 20.49                   | 20.92                 | 23.0                | 1.0      |  |
| 20                     | 16QAM      | 50      | 28        | 20.77                | 20.55                   | 20.72                 |                     |          |  |
| 20                     | 16QAM      | 50      | 56        | 20.82                | 20.52                   | 20.83                 |                     |          |  |
| 20                     | 16QAM      | 100     | 0         | 19.86                | 19.61                   | 19.84                 | 22.0                | 2.0      |  |
| 20                     | 64QAM      | 1       | 1         | 20.75                | 20.65                   | 20.80                 | 21.5                | 2.5      |  |
| 20                     | 64QAM      | 1       | 53        | 20.55                | 20.64                   | 20.63                 |                     |          |  |
| 20                     | 64QAM      | 1       | 104       | 20.58                | 20.62                   | 20.75                 |                     |          |  |
| 20                     | 64QAM      | 50      | 0         | 20.74                | 20.61                   | 20.68                 | 21.5                | 2.5      |  |
| 20                     | 64QAM      | 50      | 28        | 20.66                | 20.65                   | 20.73                 |                     |          |  |
| 20                     | 64QAM      | 50      | 56        | 20.72                | 20.52                   | 20.76                 |                     |          |  |
| 20                     | 64QAM      | 100     | 0         | 20.68                | 20.56                   | 20.66                 | 21.5                | 2.5      |  |
| 20                     | 256QAM     | 1       | 1         | 18.68                | 18.39                   | 18.53                 | 19.5                | 4.5      |  |
| 20                     | 256QAM     | 1       | 53        | 18.55                | 18.28                   | 18.67                 |                     |          |  |
| 20                     | 256QAM     | 1       | 104       | 18.63                | 18.39                   | 18.67                 |                     |          |  |
| 20                     | 256QAM     | 50      | 0         | 18.64                | 18.25                   | 18.65                 | 19.5                | 4.5      |  |
| 20                     | 256QAM     | 50      | 28        | 18.62                | 18.20                   | 18.81                 |                     |          |  |
| 20                     | 256QAM     | 50      | 56        | 18.57                | 18.36                   | 18.73                 |                     |          |  |
| 20                     | 256QAM     | 100     | 0         | 18.50                | 18.29                   | 18.66                 | 19.5                | 4.5      |  |
| Channel                |            |         |           | 166300               | 167300                  | 168300                | Tune-up limit (dbm) | MPR (db) |  |
| Frequency (MHz)        |            |         |           | 831.5                | 836.5                   | 841.5                 |                     |          |  |
| 15                     | PI/2 BPSK  | 1       | 1         | 23.95                | 23.85                   | 23.87                 | 24.0                | 0.0      |  |
| 15                     | QPSK       | 1       | 1         | 23.88                | 23.78                   | 23.91                 | 24.0                | 0.0      |  |
| 15                     | 16QAM      | 1       | 1         | 22.73                | 22.71                   | 22.65                 | 23.0                | 1.0      |  |
| 15                     | 16QAM      | 1       | 40        | 22.62                | 22.66                   | 22.65                 |                     |          |  |
| 15                     | 16QAM      | 1       | 77        | 22.66                | 22.61                   | 22.45                 |                     |          |  |
| 15                     | 16QAM      | 36      | 0         | 22.56                | 22.54                   | 22.53                 | 23.0                | 1.0      |  |
| 15                     | 16QAM      | 36      | 22        | 22.64                | 22.60                   | 22.50                 |                     |          |  |
| 15                     | 16QAM      | 36      | 43        | 22.61                | 22.70                   | 22.50                 |                     |          |  |
| 15                     | 16QAM      | 75      | 0         | 21.57                | 21.47                   | 21.46                 | 22.0                | 2.0      |  |
| 15                     | 64QAM      | 1       | 1         | 21.25                | 21.22                   | 21.20                 | 21.5                | 2.5      |  |
| 15                     | 64QAM      | 1       | 40        | 21.23                | 21.22                   | 21.05                 |                     |          |  |
| 15                     | 64QAM      | 1       | 77        | 21.18                | 21.14                   | 21.17                 |                     |          |  |
| 15                     | 64QAM      | 36      | 0         | 21.17                | 21.13                   | 21.20                 | 21.5                | 2.5      |  |
| 15                     | 64QAM      | 36      | 22        | 21.14                | 21.13                   | 21.06                 |                     |          |  |
| 15                     | 64QAM      | 36      | 43        | 21.18                | 21.13                   | 21.18                 |                     |          |  |
| 15                     | 64QAM      | 75      | 0         | 21.13                | 21.12                   | 21.05                 | 21.5                | 2.5      |  |
| 15                     | 256QAM     | 1       | 1         | 19.28                | 19.13                   | 19.15                 | 19.5                | 4.5      |  |
| 15                     | 256QAM     | 1       | 40        | 19.23                | 19.04                   | 19.14                 |                     |          |  |
| 15                     | 256QAM     | 1       | 77        | 19.13                | 19.09                   | 19.11                 |                     |          |  |
| 15                     | 256QAM     | 36      | 0         | 19.10                | 18.96                   | 19.01                 | 19.5                | 4.5      |  |
| 15                     | 256QAM     | 36      | 22        | 19.16                | 19.13                   | 19.04                 |                     |          |  |
| 15                     | 256QAM     | 36      | 43        | 19.26                | 19.06                   | 19.15                 |                     |          |  |
| 15                     | 256QAM     | 75      | 0         | 19.21                | 18.96                   | 19.00                 | 19.5                | 4.5      |  |
| Channel                |            |         |           | 165800               | 167300                  | 168800                | Tune-up limit (dbm) | MPR (db) |  |
| Frequency (MHz)        |            |         |           | 829                  | 836.5                   | 844                   |                     |          |  |
| 10                     | PI/2 BPSK  | 1       | 1         | 23.75                | 23.62                   | 23.70                 | 24.0                | 0.0      |  |
| 10                     | PI/2 BPSK  | 1       | 26        | 23.56                | 23.50                   | 23.55                 |                     |          |  |
| 10                     | PI/2 BPSK  | 1       | 50        | 23.71                | 23.54                   | 23.55                 |                     |          |  |
| 10                     | PI/2 BPSK  | 25      | 0         | 23.63                | 23.56                   | 23.51                 | 24.0                | 0.0      |  |
| 10                     | PI/2 BPSK  | 25      | 14        | 23.61                | 23.62                   | 23.50                 |                     |          |  |
| 10                     | PI/2 BPSK  | 25      | 27        | 23.62                | 23.59                   | 23.66                 |                     |          |  |
| 10                     | PI/2 BPSK  | 50      | 0         | 23.19                | 23.01                   | 23.14                 | 23.5                | 0.5      |  |
| 10                     | QPSK       | 1       | 1         | 23.71                | 23.53                   | 23.62                 | 24.0                | 0.0      |  |
| 10                     | QPSK       | 1       | 26        | 23.58                | 23.45                   | 23.59                 |                     |          |  |
| 10                     | QPSK       | 1       | 50        | 23.65                | 23.40                   | 23.49                 |                     |          |  |
| 10                     | QPSK       | 25      | 0         | 23.57                | 23.37                   | 23.54                 | 24.0                | 0.0      |  |
| 10                     | QPSK       | 25      | 14        | 23.64                | 23.45                   | 23.42                 |                     |          |  |
| 10                     | QPSK       | 25      | 27        | 23.63                | 23.33                   | 23.62                 |                     |          |  |
| 10                     | QPSK       | 50      | 0         | 22.52                | 22.34                   | 22.53                 | 23.0                | 1.0      |  |
| 10                     | 16QAM      | 1       | 1         | 22.49                | 22.49                   | 22.55                 | 23.0                | 1.0      |  |
| 10                     | 16QAM      | 1       | 26        | 22.49                | 22.43                   | 22.36                 |                     |          |  |
| 10                     | 16QAM      | 1       | 50        | 22.46                | 22.37                   | 22.50                 |                     |          |  |
| 10                     | 16QAM      | 25      | 0         | 22.39                | 22.40                   | 22.46                 | 23.0                | 1.0      |  |
| 10                     | 16QAM      | 25      | 14        | 22.45                | 22.30                   | 22.39                 |                     |          |  |
| 10                     | 16QAM      | 25      | 27        | 22.34                | 22.40                   | 22.35                 |                     |          |  |
| 10                     | 16QAM      | 50      | 0         | 21.35                | 21.34                   | 21.39                 | 22.0                | 2.0      |  |
| 10                     | 64QAM      | 1       | 1         | 21.11                | 21.01                   | 21.25                 | 21.5                | 2.5      |  |
| 10                     | 64QAM      | 1       | 26        | 20.96                | 20.98                   | 21.23                 |                     |          |  |
| 10                     | 64QAM      | 1       | 50        | 21.10                | 20.87                   | 21.25                 |                     |          |  |
| 10                     | 64QAM      | 25      | 14        | 20.93                | 20.98                   | 21.06                 | 21.5                | 2.5      |  |
| 10                     | 64QAM      | 25      | 27        | 20.97                | 20.99                   | 21.07                 |                     |          |  |
| 10                     | 64QAM      | 50      | 0         | 20.96                | 20.82                   | 21.24                 |                     |          |  |
| 10                     | 256QAM     | 1       | 1         | 19.04                | 18.92                   | 18.95                 | 19.5                | 4.5      |  |
| 10                     | 256QAM     | 1       | 26        | 18.93                | 18.77                   | 18.88                 |                     |          |  |
| 10                     | 256QAM     | 1       | 50        | 18.84                | 18.75                   | 18.89                 |                     |          |  |
| 10                     | 256QAM     | 25      | 0         | 18.88                | 18.77                   | 18.77                 | 19.5                | 4.5      |  |
| 10                     | 256QAM     | 25      | 14        | 18.86                | 18.90                   | 18.75                 |                     |          |  |
| 10                     | 256QAM     | 25      | 27        | 19.01                | 18.90                   | 18.76                 |                     |          |  |
| 10                     | 256QAM     | 50      | 0         | 18.94                | 18.88                   | 18.94                 | 19.5                | 4.5      |  |

| Channel         |           |    |    | 165300 | 167300 | 169300 | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|-----------------|-----------|----|----|--------|--------|--------|------------------------|-------------|
| Frequency (MHz) |           |    |    | 826.5  | 836.5  | 846.5  |                        |             |
| 5               | PI/2 BPSK | 1  | 1  | 23.29  | 23.09  | 23.07  | 24.0                   | 0.0         |
| 5               | PI/2 BPSK | 1  | 13 | 23.14  | 22.91  | 22.91  |                        |             |
| 5               | PI/2 BPSK | 1  | 23 | 23.23  | 22.92  | 22.88  |                        |             |
| 5               | PI/2 BPSK | 12 | 0  | 23.21  | 22.90  | 22.90  | 24.0                   | 0.0         |
| 5               | PI/2 BPSK | 12 | 7  | 23.16  | 22.90  | 22.98  |                        |             |
| 5               | PI/2 BPSK | 12 | 13 | 23.16  | 23.09  | 23.02  |                        |             |
| 5               | PI/2 BPSK | 25 | 0  | 22.77  | 22.49  | 22.33  | 23.5                   | 0.5         |
| 5               | QPSK      | 1  | 1  | 23.08  | 23.02  | 23.11  | 24.0                   | 0.0         |
| 5               | QPSK      | 1  | 13 | 22.98  | 23.02  | 23.01  |                        |             |
| 5               | QPSK      | 1  | 23 | 22.96  | 23.00  | 23.09  |                        |             |
| 5               | QPSK      | 12 | 0  | 23.05  | 22.96  | 23.02  | 24.0                   | 0.0         |
| 5               | QPSK      | 12 | 7  | 22.96  | 23.00  | 23.04  |                        |             |
| 5               | QPSK      | 12 | 13 | 23.02  | 22.90  | 23.04  |                        |             |
| 5               | QPSK      | 25 | 0  | 22.05  | 21.88  | 22.01  | 23.0                   | 1.0         |
| 5               | 16QAM     | 1  | 1  | 22.28  | 22.93  | 22.19  | 23.0                   | 1.0         |
| 5               | 16QAM     | 1  | 13 | 22.12  | 22.89  | 22.06  |                        |             |
| 5               | 16QAM     | 1  | 23 | 22.14  | 22.75  | 22.01  |                        |             |
| 5               | 16QAM     | 12 | 0  | 22.13  | 22.88  | 22.08  | 23.0                   | 1.0         |
| 5               | 16QAM     | 12 | 7  | 22.17  | 22.89  | 22.14  |                        |             |
| 5               | 16QAM     | 12 | 13 | 22.27  | 22.87  | 21.99  |                        |             |
| 5               | 16QAM     | 25 | 0  | 21.22  | 21.78  | 20.99  | 22.0                   | 2.0         |
| 5               | 64QAM     | 1  | 1  | 20.83  | 21.39  | 21.01  | 21.5                   | 2.5         |
| 5               | 64QAM     | 1  | 13 | 20.80  | 21.31  | 21.00  |                        |             |
| 5               | 64QAM     | 1  | 23 | 20.77  | 21.28  | 20.93  |                        |             |
| 5               | 64QAM     | 12 | 0  | 20.83  | 21.33  | 20.83  | 21.5                   | 2.5         |
| 5               | 64QAM     | 12 | 7  | 20.68  | 21.32  | 20.93  |                        |             |
| 5               | 64QAM     | 12 | 13 | 20.67  | 21.31  | 20.84  |                        |             |
| 5               | 64QAM     | 25 | 0  | 20.82  | 21.22  | 20.92  | 21.5                   | 2.5         |
| 5               | 256QAM    | 1  | 1  | 18.70  | 19.04  | 19.02  | 19.5                   | 4.5         |
| 5               | 256QAM    | 1  | 13 | 18.56  | 18.88  | 19.00  |                        |             |
| 5               | 256QAM    | 1  | 23 | 18.59  | 19.02  | 18.91  |                        |             |
| 5               | 256QAM    | 12 | 0  | 18.66  | 18.89  | 18.83  | 19.5                   | 4.5         |
| 5               | 256QAM    | 12 | 7  | 18.50  | 18.96  | 18.94  |                        |             |
| 5               | 256QAM    | 12 | 13 | 18.64  | 19.01  | 18.88  |                        |             |
| 5               | 256QAM    | 25 | 0  | 18.67  | 18.86  | 18.93  | 19.5                   | 4.5         |

| Channel         |           |    |    | 165300 | 167300 | 169300 | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|-----------------|-----------|----|----|--------|--------|--------|------------------------|-------------|
| Frequency (MHz) |           |    |    | 826.5  | 836.5  | 846.5  |                        |             |
| 5               | PI/2 BPSK | 1  | 1  | 23.79  | 23.78  | 23.65  | 24.0                   | 0.0         |
| 5               | PI/2 BPSK | 1  | 13 | 23.78  | 23.61  | 23.50  |                        |             |
| 5               | PI/2 BPSK | 1  | 23 | 23.76  | 23.66  | 23.57  |                        |             |
| 5               | PI/2 BPSK | 12 | 0  | 23.72  | 23.67  | 23.47  | 24.0                   | 0.0         |
| 5               | PI/2 BPSK | 12 | 7  | 23.65  | 23.68  | 23.63  |                        |             |
| 5               | PI/2 BPSK | 12 | 13 | 23.71  | 23.67  | 23.46  |                        |             |
| 5               | PI/2 BPSK | 25 | 0  | 23.19  | 23.17  | 23.13  | 23.5                   | 0.5         |
| 5               | QPSK      | 1  | 1  | 23.76  | 23.75  | 23.61  | 24.0                   | 0.0         |
| 5               | QPSK      | 1  | 13 | 23.67  | 23.69  | 23.61  |                        |             |
| 5               | QPSK      | 1  | 23 | 23.56  | 23.72  | 23.60  |                        |             |
| 5               | QPSK      | 12 | 0  | 23.68  | 23.70  | 23.43  | 24.0                   | 0.0         |
| 5               | QPSK      | 12 | 7  | 23.70  | 23.63  | 23.56  |                        |             |
| 5               | QPSK      | 12 | 13 | 23.58  | 23.67  | 23.51  |                        |             |
| 5               | QPSK      | 25 | 0  | 22.71  | 22.78  | 22.58  | 23.0                   | 1.0         |
| 5               | 16QAM     | 1  | 1  | 22.74  | 22.80  | 22.61  | 23.0                   | 1.0         |
| 5               | 16QAM     | 1  | 13 | 22.55  | 22.63  | 22.51  |                        |             |
| 5               | 16QAM     | 1  | 23 | 22.66  | 22.65  | 22.54  |                        |             |
| 5               | 16QAM     | 12 | 0  | 22.63  | 22.61  | 22.44  | 23.0                   | 1.0         |
| 5               | 16QAM     | 12 | 7  | 22.71  | 22.62  | 22.61  |                        |             |
| 5               | 16QAM     | 12 | 13 | 22.67  | 22.70  | 22.55  |                        |             |
| 5               | 16QAM     | 25 | 0  | 22.55  | 22.60  | 22.45  | 22.0                   | 2.0         |
| 5               | 64QAM     | 1  | 1  | 21.28  | 21.23  | 21.05  | 21.5                   | 2.5         |
| 5               | 64QAM     | 1  | 13 | 21.15  | 21.06  | 21.01  |                        |             |
| 5               | 64QAM     | 1  | 23 | 21.13  | 21.18  | 20.94  |                        |             |
| 5               | 64QAM     | 12 | 0  | 21.12  | 21.16  | 20.90  | 21.5                   | 2.5         |
| 5               | 64QAM     | 12 | 7  | 21.20  | 21.09  | 21.01  |                        |             |
| 5               | 64QAM     | 12 | 13 | 21.09  | 21.17  | 20.90  |                        |             |
| 5               | 64QAM     | 25 | 0  | 21.08  | 21.16  | 20.91  | 21.5                   | 2.5         |
| 5               | 256QAM    | 1  | 1  | 19.21  | 19.13  | 19.02  | 19.5                   | 4.5         |
| 5               | 256QAM    | 1  | 13 | 19.11  | 19.13  | 18.95  |                        |             |
| 5               | 256QAM    | 1  | 23 | 19.17  | 18.98  | 18.93  |                        |             |
| 5               | 256QAM    | 12 | 0  | 19.14  | 18.97  | 18.99  | 19.5                   | 4.5         |
| 5               | 256QAM    | 12 | 7  | 19.10  | 19.09  | 18.90  |                        |             |
| 5               | 256QAM    | 12 | 13 | 19.11  | 18.99  | 19.00  |                        |             |
| 5               | 256QAM    | 25 | 0  | 19.12  | 18.95  | 18.90  | 19.5                   | 4.5         |

| n41 for FCC_Ant 2 DSI 2&4&6 |            |         |           |                          |                             |                           |                        |             |  |
|-----------------------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|--|
| BW [MHz]                    | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Channel                     |            |         |           | 506202                   | 516598                      | 526000                    |                        |             |  |
| Frequency (MHz)             |            |         |           | 2546.01                  | 2592.99                     | 2640                      |                        |             |  |
| 100                         | PI/2 BPSK  | 1       | 1         | 23.42                    | 23.80                       | 23.79                     | 24.0                   | 0.0         |  |
| 100                         | PI/2 BPSK  | 1       | 137       | 23.40                    | 23.72                       | 23.77                     |                        |             |  |
| 100                         | PI/2 BPSK  | 1       | 271       | 23.36                    | 23.77                       | 23.70                     |                        |             |  |
| 100                         | PI/2 BPSK  | 135     | 0         | 23.27                    | 23.19                       | 23.62                     | 24.0                   | 0.0         |  |
| 100                         | PI/2 BPSK  | 135     | 69        | 23.21                    | 23.73                       | 23.52                     |                        |             |  |
| 100                         | PI/2 BPSK  | 135     | 138       | 23.14                    | 23.25                       | 23.52                     |                        |             |  |
| 100                         | PI/2 BPSK  | 270     | 0         | 23.13                    | 23.28                       | 23.47                     | 23.5                   | 0.5         |  |
| 100                         | QPSK       | 1       | 1         | 23.32                    | 23.81                       | 23.75                     | 24.0                   | 0.0         |  |
| 100                         | QPSK       | 1       | 137       | 23.40                    | 23.83                       | 23.67                     |                        |             |  |
| 100                         | QPSK       | 1       | 271       | 23.31                    | 23.85                       | 23.60                     |                        |             |  |
| 100                         | QPSK       | 135     | 0         | 23.19                    | 22.96                       | 23.60                     | 24.0                   | 0.0         |  |
| 100                         | QPSK       | 135     | 69        | 23.20                    | 23.74                       | 23.49                     |                        |             |  |
| 100                         | QPSK       | 135     | 138       | 23.07                    | 22.72                       | 22.81                     |                        |             |  |
| 100                         | QPSK       | 270     | 0         | 22.51                    | 22.63                       | 22.71                     | 23.0                   | 1.0         |  |
| 100                         | 16QAM      | 1       | 1         | 22.97                    | 22.88                       | 22.65                     | 23.0                   | 1.0         |  |
| 100                         | 16QAM      | 1       | 137       | 22.83                    | 22.83                       | 22.56                     |                        |             |  |
| 100                         | 16QAM      | 1       | 271       | 22.87                    | 22.71                       | 22.59                     |                        |             |  |
| 100                         | 16QAM      | 135     | 0         | 22.90                    | 22.73                       | 22.48                     | 23.0                   | 1.0         |  |
| 100                         | 16QAM      | 135     | 69        | 22.90                    | 22.81                       | 22.55                     |                        |             |  |
| 100                         | 16QAM      | 135     | 138       | 22.96                    | 22.85                       | 22.55                     |                        |             |  |
| 100                         | 16QAM      | 270     | 0         | 21.97                    | 21.76                       | 21.46                     | 22.0                   | 2.0         |  |
| 100                         | 64QAM      | 1       | 1         | 21.08                    | 21.37                       | 21.15                     | 21.5                   | 2.5         |  |
| 100                         | 64QAM      | 1       | 137       | 20.99                    | 21.25                       | 21.02                     |                        |             |  |
| 100                         | 64QAM      | 1       | 271       | 21.01                    | 21.33                       | 21.13                     |                        |             |  |
| 100                         | 64QAM      | 135     | 0         | 21.07                    | 21.34                       | 21.00                     | 21.5                   | 2.5         |  |
| 100                         | 64QAM      | 135     | 69        | 21.07                    | 21.17                       | 20.97                     |                        |             |  |
| 100                         | 64QAM      | 135     | 138       | 20.99                    | 21.25                       | 21.06                     |                        |             |  |
| 100                         | 64QAM      | 270     | 0         | 20.98                    | 21.24                       | 20.85                     | 21.5                   | 2.5         |  |
| 100                         | 256QAM     | 1       | 1         | 19.22                    | 19.02                       | 18.14                     | 19.5                   | 4.5         |  |
| 100                         | 256QAM     | 1       | 137       | 19.04                    | 18.87                       | 18.10                     |                        |             |  |
| 100                         | 256QAM     | 1       | 271       | 19.08                    | 18.89                       | 18.09                     |                        |             |  |
| 100                         | 256QAM     | 135     | 0         | 19.16                    | 18.88                       | 18.99                     | 19.5                   | 4.5         |  |
| 100                         | 256QAM     | 135     | 69        | 19.22                    | 18.89                       | 18.00                     |                        |             |  |
| 100                         | 256QAM     | 135     | 138       | 19.06                    | 18.95                       | 18.12                     |                        |             |  |
| 100                         | 256QAM     | 270     | 0         | 18.91                    | 18.94                       | 18.96                     | 19.5                   | 4.5         |  |
| Channel                     |            |         |           | 506200                   | 516598                      | 526996                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz)             |            |         |           | 2541                     | 2592.99                     | 2644.98                   |                        |             |  |
| 90                          | PI/2 BPSK  | 1       | 1         | 23.47                    | 23.80                       | 23.83                     | 24.0                   | 0.0         |  |
| 90                          | PI/2 BPSK  | 1       | 120       | 23.33                    | 23.79                       | 23.75                     |                        |             |  |
| 90                          | PI/2 BPSK  | 1       | 243       | 23.39                    | 23.69                       | 23.67                     |                        |             |  |
| 90                          | PI/2 BPSK  | 120     | 0         | 23.47                    | 23.79                       | 23.81                     | 24.0                   | 0.0         |  |
| 90                          | PI/2 BPSK  | 120     | 60        | 23.34                    | 23.60                       | 23.76                     |                        |             |  |
| 90                          | PI/2 BPSK  | 120     | 120       | 23.32                    | 23.65                       | 23.71                     |                        |             |  |
| 90                          | PI/2 BPSK  | 240     | 0         | 22.77                    | 23.29                       | 23.14                     | 23.5                   | 0.5         |  |
| 90                          | QPSK       | 1       | 1         | 23.49                    | 23.77                       | 23.75                     | 24.0                   | 0.0         |  |
| 90                          | QPSK       | 1       | 120       | 23.47                    | 23.68                       | 23.60                     |                        |             |  |
| 90                          | QPSK       | 1       | 243       | 23.44                    | 23.67                       | 23.66                     |                        |             |  |
| 90                          | QPSK       | 120     | 0         | 23.34                    | 23.62                       | 23.75                     | 24.0                   | 0.0         |  |
| 90                          | QPSK       | 120     | 60        | 23.29                    | 23.59                       | 23.72                     |                        |             |  |
| 90                          | QPSK       | 120     | 120       | 23.33                    | 23.69                       | 23.59                     |                        |             |  |
| 90                          | QPSK       | 240     | 0         | 22.41                    | 22.65                       | 22.53                     | 23.0                   | 1.0         |  |
| 90                          | 16QAM      | 1       | 1         | 22.81                    | 22.90                       | 22.72                     | 23.0                   | 1.0         |  |
| 90                          | 16QAM      | 1       | 120       | 22.69                    | 22.83                       | 22.58                     |                        |             |  |
| 90                          | 16QAM      | 1       | 243       | 22.74                    | 22.88                       | 22.70                     |                        |             |  |
| 90                          | 16QAM      | 120     | 0         | 22.81                    | 22.70                       | 22.68                     | 23.0                   | 1.0         |  |
| 90                          | 16QAM      | 120     | 60        | 22.80                    | 22.86                       | 22.55                     |                        |             |  |
| 90                          | 16QAM      | 120     | 120       | 22.81                    | 22.71                       | 22.71                     |                        |             |  |
| 90                          | 16QAM      | 240     | 0         | 21.51                    | 21.76                       | 21.54                     | 22.0                   | 2.0         |  |
| 90                          | 64QAM      | 1       | 1         | 21.19                    | 21.38                       | 21.21                     | 21.5                   | 2.5         |  |
| 90                          | 64QAM      | 1       | 120       | 21.19                    | 21.18                       | 21.21                     |                        |             |  |
| 90                          | 64QAM      | 1       | 243       | 21.05                    | 21.20                       | 21.14                     |                        |             |  |
| 90                          | 64QAM      | 120     | 0         | 21.02                    | 21.32                       | 21.14                     | 21.5                   | 2.5         |  |
| 90                          | 64QAM      | 120     | 60        | 21.15                    | 21.23                       | 21.08                     |                        |             |  |
| 90                          | 64QAM      | 120     | 120       | 21.11                    | 21.28                       | 21.17                     |                        |             |  |
| 90                          | 64QAM      | 240     | 0         | 21.01                    | 21.05                       | 21.02                     | 21.5                   | 2.5         |  |
| 90                          | 256QAM     | 1       | 1         | 19.32                    | 19.03                       | 19.38                     | 19.5                   | 4.5         |  |
| 90                          | 256QAM     | 1       | 120       | 19.26                    | 18.91                       | 19.33                     |                        |             |  |
| 90                          | 256QAM     | 1       | 243       | 19.26                    | 18.92                       | 19.37                     |                        |             |  |
| 90                          | 256QAM     | 120     | 0         | 19.25                    | 18.94                       | 19.34                     | 19.5                   | 4.5         |  |
| 90                          | 256QAM     | 120     | 60        | 19.25                    | 18.84                       | 19.19                     |                        |             |  |
| 90                          | 256QAM     | 120     | 120       | 19.24                    | 18.92                       | 19.32                     |                        |             |  |
| 90                          | 256QAM     | 240     | 0         | 19.23                    | 18.90                       | 19.22                     | 19.5                   | 4.5         |  |
| Channel                     |            |         |           | 507204                   | 516598                      | 526998                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz)             |            |         |           | 2536.02                  | 2592.99                     | 2649.99                   |                        |             |  |
| 80                          | PI/2 BPSK  | 1       | 1         | 23.46                    | 23.72                       | 23.77                     | 24.0                   | 0.0         |  |
| 80                          | PI/2 BPSK  | 1       | 109       | 23.43                    | 23.67                       | 23.73                     |                        |             |  |
| 80                          | PI/2 BPSK  | 1       | 215       | 23.31                    | 23.54                       | 23.69                     |                        |             |  |
| 80                          | PI/2 BPSK  | 108     | 0         | 23.41                    | 23.56                       | 23.57                     | 24.0                   | 0.0         |  |
| 80                          | PI/2 BPSK  | 108     | 55        | 23.41                    | 23.53                       | 23.63                     |                        |             |  |
| 80                          | PI/2 BPSK  | 108     | 109       | 23.40                    | 23.56                       | 23.65                     |                        |             |  |
| 80                          | PI/2 BPSK  | 216     | 0         | 22.82                    | 23.11                       | 23.12                     | 23.5                   | 0.5         |  |
| 80                          | QPSK       | 1       | 1         | 23.47                    | 23.70                       | 23.73                     | 24.0                   | 0.0         |  |
| 80                          | QPSK       | 1       | 109       | 23.47                    | 23.66                       | 23.64                     |                        |             |  |
| 80                          | QPSK       | 1       | 215       | 23.37                    | 23.52                       | 23.62                     |                        |             |  |
| 80                          | QPSK       | 108     | 0         | 23.42                    | 23.66                       | 23.53                     | 24.0                   | 0.0         |  |
| 80                          | QPSK       | 108     | 55        | 23.47                    | 23.58                       | 23.73                     |                        |             |  |
| 80                          | QPSK       | 108     | 109       | 23.30                    | 23.59                       | 23.63                     |                        |             |  |
| 80                          | QPSK       | 216     | 0         | 22.44                    | 22.48                       | 22.53                     | 23.0                   | 1.0         |  |
| 80                          | 16QAM      | 1       | 1         | 22.88                    | 22.92                       | 22.87                     | 23.0                   | 1.0         |  |
| 80                          | 16QAM      | 1       | 109       | 22.79                    | 22.78                       | 22.76                     |                        |             |  |
| 80                          | 16QAM      | 1       | 215       | 22.78                    | 22.80                       | 22.76                     |                        |             |  |
| 80                          | 16QAM      | 108     | 0         | 22.83                    | 22.77                       | 22.70                     | 23.0                   | 1.0         |  |
| 80                          | 16QAM      | 108     | 55        | 22.74                    | 22.77                       | 22.84                     |                        |             |  |
| 80                          | 16QAM      | 108     | 109       | 22.83                    | 22.92                       | 22.78                     |                        |             |  |
| 80                          | 16QAM      | 216     | 0         | 21.62                    | 21.70                       | 21.58                     | 22.0                   | 2.0         |  |
| 80                          | 64QAM      | 1       | 1         | 21.04                    | 21.42                       | 21.38                     | 21.5                   | 2.5         |  |
| 80                          | 64QAM      | 1       | 109       | 20.95                    | 21.35                       | 21.23                     |                        |             |  |
| 80                          | 64QAM      | 1       | 215       | 21.00                    | 21.31                       | 21.22                     |                        |             |  |
| 80                          | 64QAM      | 108     | 0         | 21.03                    | 21.31                       | 21.19                     | 21.5                   | 2.5         |  |
| 80                          | 64QAM      | 108     | 55        | 21.02                    | 21.34                       | 21.26                     |                        |             |  |
| 80                          | 64QAM      | 108     | 109       | 20.85                    | 21.33                       | 21.27                     |                        |             |  |
| 80                          | 64QAM      | 216     | 0         | 20.77                    | 21.19                       | 21.16                     | 21.5                   | 2.5         |  |
| 80                          | 256QAM     | 1       | 1         | 18.71                    | 18.96                       | 18.73                     | 19.5                   | 4.5         |  |
| 80                          | 256QAM     | 1       | 109       | 18.65                    | 18.81                       | 18.56                     |                        |             |  |
| 80                          | 256QAM     | 1       | 215       | 18.61                    | 18.88                       | 18.57                     |                        |             |  |
| 80                          | 256QAM     | 108     | 0         | 18.65                    | 18.84                       | 18.66                     | 19.5                   | 4.5         |  |
| 80                          | 256QAM     | 108     | 55        | 18.62                    | 18.92                       | 18.72                     |                        |             |  |
| 80                          | 256QAM     | 108     | 109       | 18.57                    | 18.81                       | 18.71                     |                        |             |  |
| 80                          | 256QAM     | 216     | 0         | 18.56                    | 18.74                       | 18.43                     | 19.5                   | 4.5         |  |

| Channel         |           |     |     | 505200  | 518598  | 531996  | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|-----------------|-----------|-----|-----|---------|---------|---------|------------------------|-------------|
| Frequency (MHz) |           |     |     | 2526    | 2592.99 | 2659.98 |                        |             |
| 60              | PI/2 BPSK | 1   | 1   | 23.37   | 23.62   | 23.73   | 24.0                   | 0.0         |
| 60              | PI/2 BPSK | 1   | 81  | 23.37   | 23.51   | 23.63   |                        |             |
| 60              | PI/2 BPSK | 1   | 160 | 23.24   | 23.42   | 23.72   |                        |             |
| 60              | PI/2 BPSK | 81  | 0   | 23.28   | 23.51   | 23.59   | 24.0                   | 0.0         |
| 60              | PI/2 BPSK | 81  | 42  | 23.29   | 23.54   | 23.56   |                        |             |
| 60              | PI/2 BPSK | 81  | 81  | 23.20   | 23.50   | 23.61   |                        |             |
| 60              | PI/2 BPSK | 162 | 0   | 22.79   | 22.98   | 23.10   | 23.5                   | 0.5         |
| 60              | QPSK      | 1   | 1   | 23.37   | 23.59   | 23.64   | 24.0                   | 0.0         |
| 60              | QPSK      | 1   | 81  | 23.27   | 23.52   | 23.64   |                        |             |
| 60              | QPSK      | 1   | 160 | 23.31   | 23.57   | 23.54   |                        |             |
| 60              | QPSK      | 81  | 0   | 23.29   | 23.41   | 23.63   | 24.0                   | 0.0         |
| 60              | QPSK      | 81  | 42  | 23.18   | 23.47   | 23.60   |                        |             |
| 60              | QPSK      | 81  | 81  | 23.19   | 23.55   | 23.60   |                        |             |
| 60              | QPSK      | 162 | 0   | 22.10   | 22.35   | 22.54   | 23.0                   | 1.0         |
| 60              | 16QAM     | 1   | 1   | 22.68   | 22.73   | 22.71   | 23.0                   | 1.0         |
| 60              | 16QAM     | 1   | 81  | 22.67   | 22.65   | 22.68   |                        |             |
| 60              | 16QAM     | 1   | 160 | 22.67   | 22.73   | 22.70   |                        |             |
| 60              | 16QAM     | 81  | 0   | 22.49   | 22.64   | 22.53   | 23.0                   | 1.0         |
| 60              | 16QAM     | 81  | 42  | 22.48   | 22.66   | 22.65   |                        |             |
| 60              | 16QAM     | 81  | 81  | 22.51   | 22.65   | 22.68   |                        |             |
| 60              | 16QAM     | 162 | 0   | 21.63   | 21.63   | 21.49   | 22.0                   | 2.0         |
| 60              | 64QAM     | 1   | 1   | 21.35   | 21.22   | 21.28   | 21.5                   | 2.5         |
| 60              | 64QAM     | 1   | 81  | 21.33   | 21.22   | 21.19   |                        |             |
| 60              | 64QAM     | 1   | 160 | 21.34   | 21.11   | 21.24   |                        |             |
| 60              | 64QAM     | 81  | 0   | 21.20   | 21.06   | 21.25   | 21.5                   | 2.5         |
| 60              | 64QAM     | 81  | 42  | 21.16   | 21.07   | 21.21   |                        |             |
| 60              | 64QAM     | 81  | 81  | 21.25   | 21.18   | 21.21   |                        |             |
| 60              | 64QAM     | 162 | 0   | 21.18   | 21.08   | 21.17   | 21.5                   | 2.5         |
| 60              | 256QAM    | 1   | 1   | 18.87   | 18.86   | 18.99   | 19.5                   | 4.5         |
| 60              | 256QAM    | 1   | 81  | 18.73   | 18.66   | 18.79   |                        |             |
| 60              | 256QAM    | 1   | 160 | 18.79   | 18.82   | 18.99   |                        |             |
| 60              | 256QAM    | 81  | 0   | 18.71   | 18.78   | 18.88   | 19.5                   | 4.5         |
| 60              | 256QAM    | 81  | 42  | 18.81   | 18.74   | 18.79   |                        |             |
| 60              | 256QAM    | 81  | 81  | 18.74   | 18.76   | 18.93   |                        |             |
| 60              | 256QAM    | 162 | 0   | 18.61   | 18.56   | 18.68   | 19.5                   | 4.5         |
| Channel         |           |     |     | 504204  | 518598  | 532998  | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |           |     |     | 2521.02 | 2592.99 | 2664.99 |                        |             |
| 50              | PI/2 BPSK | 1   | 1   | 23.48   | 23.55   | 23.73   | 24.0                   | 0.0         |
| 50              | PI/2 BPSK | 1   | 67  | 23.32   | 23.50   | 23.62   |                        |             |
| 50              | PI/2 BPSK | 1   | 131 | 23.45   | 23.50   | 23.54   |                        |             |
| 50              | PI/2 BPSK | 64  | 0   | 23.43   | 23.53   | 23.57   | 24.0                   | 0.0         |
| 50              | PI/2 BPSK | 64  | 35  | 23.34   | 23.43   | 23.59   |                        |             |
| 50              | PI/2 BPSK | 64  | 69  | 23.38   | 23.48   | 23.59   |                        |             |
| 50              | PI/2 BPSK | 128 | 0   | 22.63   | 22.98   | 23.08   | 23.5                   | 0.5         |
| 50              | QPSK      | 1   | 1   | 23.53   | 23.60   | 23.64   | 24.0                   | 0.0         |
| 50              | QPSK      | 1   | 67  | 23.49   | 23.47   | 23.62   |                        |             |
| 50              | QPSK      | 1   | 131 | 23.37   | 23.44   | 23.53   |                        |             |
| 50              | QPSK      | 64  | 0   | 23.49   | 23.41   | 23.50   | 24.0                   | 0.0         |
| 50              | QPSK      | 64  | 35  | 23.46   | 23.59   | 23.63   |                        |             |
| 50              | QPSK      | 64  | 69  | 23.34   | 23.45   | 23.59   |                        |             |
| 50              | QPSK      | 128 | 0   | 22.29   | 22.35   | 22.61   | 23.0                   | 1.0         |
| 50              | 16QAM     | 1   | 1   | 22.46   | 22.78   | 22.58   | 23.0                   | 1.0         |
| 50              | 16QAM     | 1   | 67  | 22.30   | 22.59   | 22.38   |                        |             |
| 50              | 16QAM     | 1   | 131 | 22.26   | 22.58   | 22.55   |                        |             |
| 50              | 16QAM     | 64  | 0   | 22.35   | 22.74   | 22.57   | 23.0                   | 1.0         |
| 50              | 16QAM     | 64  | 35  | 22.31   | 22.70   | 22.45   |                        |             |
| 50              | 16QAM     | 64  | 69  | 22.34   | 22.74   | 22.58   |                        |             |
| 50              | 16QAM     | 128 | 0   | 21.13   | 21.43   | 21.24   | 22.0                   | 2.0         |
| 50              | 64QAM     | 1   | 1   | 21.08   | 21.22   | 21.31   | 21.5                   | 2.5         |
| 50              | 64QAM     | 1   | 67  | 21.04   | 21.19   | 21.20   |                        |             |
| 50              | 64QAM     | 1   | 131 | 20.88   | 21.15   | 21.26   |                        |             |
| 50              | 64QAM     | 64  | 0   | 21.00   | 21.19   | 21.11   | 21.5                   | 2.5         |
| 50              | 64QAM     | 64  | 35  | 21.01   | 21.13   | 21.16   |                        |             |
| 50              | 64QAM     | 64  | 69  | 20.93   | 21.07   | 21.23   |                        |             |
| 50              | 64QAM     | 128 | 0   | 20.99   | 21.09   | 21.03   | 21.5                   | 2.5         |
| 50              | 256QAM    | 1   | 1   | 18.72   | 18.95   | 18.98   | 19.5                   | 4.5         |
| 50              | 256QAM    | 1   | 67  | 18.52   | 18.91   | 18.95   |                        |             |
| 50              | 256QAM    | 1   | 131 | 18.54   | 18.81   | 18.81   |                        |             |
| 50              | 256QAM    | 64  | 0   | 18.71   | 18.89   | 18.87   | 19.5                   | 4.5         |
| 50              | 256QAM    | 64  | 35  | 18.67   | 18.91   | 18.80   |                        |             |
| 50              | 256QAM    | 64  | 69  | 18.62   | 18.92   | 18.81   |                        |             |
| 50              | 256QAM    | 128 | 0   | 18.36   | 18.77   | 18.78   | 19.5                   | 4.5         |
| Channel         |           |     |     | 503202  | 518598  | 534000  | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |           |     |     | 2516.01 | 2592.99 | 2670    |                        |             |
| 40              | PI/2 BPSK | 1   | 1   | 23.79   | 24.05   | 24.07   | 24.0                   | 0.0         |
| 40              | PI/2 BPSK | 1   | 53  | 23.63   | 24.04   | 23.89   |                        |             |
| 40              | PI/2 BPSK | 1   | 104 | 23.66   | 23.99   | 23.93   |                        |             |
| 40              | PI/2 BPSK | 50  | 0   | 23.62   | 23.99   | 23.99   | 24.0                   | 0.0         |
| 40              | PI/2 BPSK | 50  | 28  | 23.69   | 23.93   | 24.05   |                        |             |
| 40              | PI/2 BPSK | 50  | 56  | 23.66   | 23.90   | 23.92   |                        |             |
| 40              | PI/2 BPSK | 100 | 0   | 23.00   | 23.41   | 23.36   | 23.5                   | 0.5         |
| 40              | QPSK      | 1   | 1   | 23.82   | 23.99   | 23.95   | 24.0                   | 0.0         |
| 40              | QPSK      | 1   | 53  | 23.70   | 23.99   | 23.79   |                        |             |
| 40              | QPSK      | 1   | 104 | 23.77   | 23.90   | 23.80   |                        |             |
| 40              | QPSK      | 50  | 0   | 23.68   | 23.85   | 23.81   | 24.0                   | 0.0         |
| 40              | QPSK      | 50  | 28  | 23.68   | 23.89   | 23.84   |                        |             |
| 40              | QPSK      | 50  | 56  | 23.72   | 23.81   | 23.87   |                        |             |
| 40              | QPSK      | 100 | 0   | 22.68   | 22.81   | 22.60   | 23.0                   | 1.0         |
| 40              | 16QAM     | 1   | 1   | 22.75   | 22.88   | 22.76   | 23.0                   | 1.0         |
| 40              | 16QAM     | 1   | 53  | 22.56   | 22.80   | 22.59   |                        |             |
| 40              | 16QAM     | 1   | 104 | 22.65   | 22.71   | 22.66   |                        |             |
| 40              | 16QAM     | 50  | 0   | 22.61   | 22.85   | 22.61   | 23.0                   | 1.0         |
| 40              | 16QAM     | 50  | 28  | 22.62   | 22.85   | 22.68   |                        |             |
| 40              | 16QAM     | 50  | 56  | 22.71   | 22.82   | 22.64   |                        |             |
| 40              | 16QAM     | 100 | 0   | 21.48   | 21.72   | 21.49   | 22.0                   | 2.0         |
| 40              | 64QAM     | 1   | 1   | 21.24   | 21.45   | 21.31   | 21.5                   | 2.5         |
| 40              | 64QAM     | 1   | 53  | 21.22   | 21.30   | 21.15   |                        |             |
| 40              | 64QAM     | 1   | 104 | 21.16   | 21.39   | 21.26   |                        |             |
| 40              | 64QAM     | 50  | 0   | 21.08   | 21.43   | 21.29   | 21.5                   | 2.5         |
| 40              | 64QAM     | 50  | 28  | 21.05   | 21.31   | 21.24   |                        |             |
| 40              | 64QAM     | 50  | 56  | 21.04   | 21.37   | 21.28   |                        |             |
| 40              | 64QAM     | 100 | 0   | 21.09   | 21.22   | 21.12   | 21.5                   | 2.5         |
| 40              | 256QAM    | 1   | 1   | 19.18   | 19.26   | 19.27   | 19.5                   | 4.5         |
| 40              | 256QAM    | 1   | 53  | 19.08   | 19.22   | 19.26   |                        |             |
| 40              | 256QAM    | 1   | 104 | 19.01   | 19.14   | 19.26   |                        |             |
| 40              | 256QAM    | 50  | 0   | 19.05   | 19.21   | 19.17   | 19.5                   | 4.5         |
| 40              | 256QAM    | 50  | 28  | 19.15   | 19.06   | 19.15   |                        |             |
| 40              | 256QAM    | 50  | 56  | 19.06   | 19.12   | 19.17   |                        |             |
| 40              | 256QAM    | 100 | 0   | 18.88   | 19.04   | 19.23   | 19.5                   | 4.5         |

| Channel         |           |    |    | 501204  | 518598  | 535998  | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|-----------------|-----------|----|----|---------|---------|---------|------------------------|-------------|
| Frequency (MHz) |           |    |    | 2506.02 | 2592.99 | 2679.99 |                        |             |
| 20              | PI/2 BPSK | 1  | 1  | 23.48   | 23.81   | 23.56   | 24.0                   | 0.0         |
| 20              | PI/2 BPSK | 1  | 26 | 23.28   | 23.62   | 23.37   |                        |             |
| 20              | PI/2 BPSK | 1  | 49 | 23.30   | 23.68   | 23.51   |                        |             |
| 20              | PI/2 BPSK | 25 | 0  | 23.46   | 23.61   | 23.37   | 24.0                   | 0.0         |
| 20              | PI/2 BPSK | 25 | 13 | 23.37   | 23.73   | 23.36   |                        |             |
| 20              | PI/2 BPSK | 25 | 26 | 23.40   | 23.65   | 23.39   |                        |             |
| 20              | PI/2 BPSK | 50 | 0  | 22.75   | 23.09   | 22.85   | 23.5                   | 0.5         |
| 20              | QPSK      | 1  | 1  | 23.68   | 23.75   | 23.59   | 24.0                   | 0.0         |
| 20              | QPSK      | 1  | 26 | 23.58   | 23.72   | 23.47   |                        |             |
| 20              | QPSK      | 1  | 49 | 23.54   | 23.61   | 23.59   |                        |             |
| 20              | QPSK      | 25 | 0  | 23.59   | 23.56   | 23.45   | 24.0                   | 0.0         |
| 20              | QPSK      | 25 | 13 | 23.66   | 23.68   | 23.49   |                        |             |
| 20              | QPSK      | 25 | 26 | 23.62   | 23.58   | 23.45   |                        |             |
| 20              | QPSK      | 50 | 0  | 22.53   | 22.71   | 22.29   | 23.0                   | 1.0         |
| 20              | 16QAM     | 1  | 1  | 22.74   | 22.88   | 22.78   | 23.0                   | 1.0         |
| 20              | 16QAM     | 1  | 26 | 22.72   | 22.86   | 22.74   |                        |             |
| 20              | 16QAM     | 1  | 49 | 22.65   | 22.76   | 22.64   |                        |             |
| 20              | 16QAM     | 25 | 0  | 22.60   | 22.83   | 22.62   | 23.0                   | 1.0         |
| 20              | 16QAM     | 25 | 13 | 22.61   | 22.84   | 22.61   |                        |             |
| 20              | 16QAM     | 25 | 26 | 22.57   | 22.83   | 22.62   |                        |             |
| 20              | 16QAM     | 50 | 0  | 21.70   | 21.86   | 21.66   | 22.0                   | 2.0         |
| 20              | 64QAM     | 1  | 1  | 21.19   | 21.43   | 21.33   | 21.5                   | 2.5         |
| 20              | 64QAM     | 1  | 26 | 21.11   | 21.35   | 21.23   |                        |             |
| 20              | 64QAM     | 1  | 49 | 21.12   | 21.42   | 21.17   |                        |             |
| 20              | 64QAM     | 25 | 0  | 21.00   | 21.38   | 21.14   | 21.5                   | 2.5         |
| 20              | 64QAM     | 25 | 13 | 21.01   | 21.33   | 21.16   |                        |             |
| 20              | 64QAM     | 25 | 26 | 21.07   | 21.28   | 21.18   |                        |             |
| 20              | 64QAM     | 50 | 0  | 21.08   | 21.19   | 21.22   | 21.5                   | 2.5         |
| 20              | 256QAM    | 1  | 1  | 18.82   | 18.87   | 18.65   | 19.5                   | 4.5         |
| 20              | 256QAM    | 1  | 26 | 18.69   | 18.83   | 18.49   |                        |             |
| 20              | 256QAM    | 1  | 49 | 18.76   | 18.76   | 18.61   |                        |             |
| 20              | 256QAM    | 25 | 0  | 18.81   | 18.85   | 18.52   | 19.5                   | 4.5         |
| 20              | 256QAM    | 25 | 13 | 18.73   | 18.79   | 18.59   |                        |             |
| 20              | 256QAM    | 25 | 26 | 18.74   | 18.87   | 18.52   |                        |             |
| 20              | 256QAM    | 50 | 0  | 18.55   | 18.76   | 18.33   | 19.5                   | 4.5         |

| n41 for FCC_Ant 2 DSI 3&5 |            |         |           |                          |                             |                           |                        |             |  |
|---------------------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|--|
| BW [MHz]                  | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Channel                   |            |         |           | 509202                   | 516598                      | 523998                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz)           |            |         |           | 2545.01                  | 2592.99                     | 2640                      |                        |             |  |
| 100                       | PI/2 BPSK  | 1       | 1         | 18.24                    | 18.37                       | 18.23                     | 18.7                   | 0.0         |  |
| 100                       | PI/2 BPSK  | 1       | 137       | 18.16                    | 18.24                       | 18.01                     |                        |             |  |
| 100                       | PI/2 BPSK  | 1       | 271       | 18.26                    | 18.29                       | 18.05                     |                        |             |  |
| 100                       | PI/2 BPSK  | 135     | 0         | 18.15                    | 18.32                       | 18.06                     | 18.7                   | 0.0         |  |
| 100                       | PI/2 BPSK  | 135     | 69        | 18.28                    | 18.31                       | 18.12                     |                        |             |  |
| 100                       | PI/2 BPSK  | 135     | 138       | 18.26                    | 18.30                       | 18.10                     |                        |             |  |
| 100                       | PI/2 BPSK  | 270     | 0         | 18.31                    | 18.35                       | 18.13                     | 18.7                   | 0.0         |  |
| 100                       | QPSK       | 1       | 1         | 18.22                    | 18.34                       | 18.11                     | 18.7                   | 0.0         |  |
| 100                       | QPSK       | 1       | 137       | 18.24                    | 18.27                       | 18.13                     |                        |             |  |
| 100                       | QPSK       | 1       | 271       | 18.32                    | 18.36                       | 18.16                     |                        |             |  |
| 100                       | QPSK       | 135     | 0         | 18.24                    | 18.28                       | 18.07                     | 18.7                   | 0.0         |  |
| 100                       | QPSK       | 135     | 69        | 18.19                    | 18.23                       | 17.99                     |                        |             |  |
| 100                       | QPSK       | 135     | 138       | 18.51                    | 18.58                       | 18.44                     |                        |             |  |
| 100                       | QPSK       | 270     | 0         | 18.30                    | 18.35                       | 18.18                     | 18.7                   | 0.0         |  |
| 100                       | 16QAM      | 1       | 1         | 18.25                    | 18.30                       | 18.07                     | 18.7                   | 0.0         |  |
| 100                       | 16QAM      | 1       | 137       | 18.17                    | 18.23                       | 18.07                     |                        |             |  |
| 100                       | 16QAM      | 1       | 271       | 18.19                    | 18.32                       | 18.10                     |                        |             |  |
| 100                       | 16QAM      | 135     | 0         | 18.13                    | 18.22                       | 17.98                     | 18.7                   | 0.0         |  |
| 100                       | 16QAM      | 135     | 69        | 18.21                    | 18.24                       | 18.06                     |                        |             |  |
| 100                       | 16QAM      | 135     | 138       | 18.29                    | 18.41                       | 18.18                     |                        |             |  |
| 100                       | 16QAM      | 270     | 0         | 18.10                    | 18.22                       | 18.04                     | 18.7                   | 0.0         |  |
| 100                       | 64QAM      | 1       | 1         | 18.19                    | 18.27                       | 18.09                     | 18.7                   | 0.0         |  |
| 100                       | 64QAM      | 1       | 137       | 18.08                    | 18.18                       | 18.01                     |                        |             |  |
| 100                       | 64QAM      | 1       | 271       | 18.26                    | 18.29                       | 18.09                     |                        |             |  |
| 100                       | 64QAM      | 135     | 0         | 18.18                    | 18.25                       | 18.11                     | 18.7                   | 0.0         |  |
| 100                       | 64QAM      | 135     | 69        | 18.15                    | 18.27                       | 18.11                     |                        |             |  |
| 100                       | 64QAM      | 135     | 138       | 18.31                    | 18.35                       | 18.11                     |                        |             |  |
| 100                       | 64QAM      | 270     | 0         | 18.05                    | 18.13                       | 17.97                     | 18.7                   | 0.0         |  |
| 100                       | 256QAM     | 1       | 1         | 18.01                    | 18.11                       | 17.92                     | 18.7                   | 0.0         |  |
| 100                       | 256QAM     | 1       | 137       | 18.02                    | 18.09                       | 17.92                     |                        |             |  |
| 100                       | 256QAM     | 1       | 271       | 18.18                    | 18.21                       | 18.02                     |                        |             |  |
| 100                       | 256QAM     | 135     | 0         | 18.18                    | 18.27                       | 18.09                     | 18.7                   | 0.0         |  |
| 100                       | 256QAM     | 135     | 69        | 18.22                    | 18.30                       | 18.07                     |                        |             |  |
| 100                       | 256QAM     | 135     | 138       | 18.17                    | 18.23                       | 18.08                     |                        |             |  |
| 100                       | 256QAM     | 270     | 0         | 18.06                    | 18.11                       | 17.92                     | 18.7                   | 0.0         |  |
| Channel                   |            |         |           | 508200                   | 516598                      | 523998                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz)           |            |         |           | 2541                     | 2592.99                     | 2644.98                   |                        |             |  |
| 90                        | PI/2 BPSK  | 1       | 1         | 18.25                    | 18.24                       | 18.05                     | 18.7                   | 0.0         |  |
| 90                        | PI/2 BPSK  | 1       | 120       | 18.20                    | 18.20                       | 18.00                     |                        |             |  |
| 90                        | PI/2 BPSK  | 1       | 243       | 18.27                    | 18.32                       | 18.18                     |                        |             |  |
| 90                        | PI/2 BPSK  | 120     | 0         | 18.17                    | 18.14                       | 17.98                     | 18.7                   | 0.0         |  |
| 90                        | PI/2 BPSK  | 120     | 60        | 18.27                    | 18.24                       | 18.08                     |                        |             |  |
| 90                        | PI/2 BPSK  | 120     | 120       | 18.19                    | 18.29                       | 18.06                     |                        |             |  |
| 90                        | PI/2 BPSK  | 240     | 0         | 18.31                    | 18.29                       | 18.11                     | 18.7                   | 0.0         |  |
| 90                        | QPSK       | 1       | 1         | 18.22                    | 18.25                       | 18.14                     | 18.7                   | 0.0         |  |
| 90                        | QPSK       | 1       | 120       | 18.14                    | 18.24                       | 18.04                     |                        |             |  |
| 90                        | QPSK       | 1       | 243       | 18.27                    | 18.28                       | 18.20                     |                        |             |  |
| 90                        | QPSK       | 120     | 0         | 18.16                    | 18.21                       | 18.09                     | 18.7                   | 0.0         |  |
| 90                        | QPSK       | 120     | 60        | 18.14                    | 18.15                       | 18.05                     |                        |             |  |
| 90                        | QPSK       | 120     | 120       | 18.52                    | 18.52                       | 18.34                     |                        |             |  |
| 90                        | QPSK       | 240     | 0         | 18.25                    | 18.28                       | 18.12                     | 18.7                   | 0.0         |  |
| 90                        | 16QAM      | 1       | 1         | 18.26                    | 18.29                       | 18.06                     | 18.7                   | 0.0         |  |
| 90                        | 16QAM      | 1       | 120       | 18.17                    | 18.20                       | 18.09                     |                        |             |  |
| 90                        | 16QAM      | 1       | 243       | 18.28                    | 18.29                       | 18.13                     |                        |             |  |
| 90                        | 16QAM      | 120     | 0         | 18.12                    | 18.21                       | 18.06                     | 18.7                   | 0.0         |  |
| 90                        | 16QAM      | 120     | 60        | 18.12                    | 18.23                       | 18.03                     |                        |             |  |
| 90                        | 16QAM      | 120     | 120       | 18.34                    | 18.39                       | 18.19                     |                        |             |  |
| 90                        | 16QAM      | 240     | 0         | 18.11                    | 18.21                       | 17.98                     | 18.7                   | 0.0         |  |
| 90                        | 64QAM      | 1       | 1         | 18.24                    | 18.25                       | 18.07                     | 18.7                   | 0.0         |  |
| 90                        | 64QAM      | 1       | 120       | 18.15                    | 18.15                       | 17.96                     |                        |             |  |
| 90                        | 64QAM      | 1       | 243       | 18.17                    | 18.27                       | 18.13                     |                        |             |  |
| 90                        | 64QAM      | 120     | 0         | 18.20                    | 18.17                       | 18.11                     | 18.7                   | 0.0         |  |
| 90                        | 64QAM      | 120     | 60        | 18.24                    | 18.21                       | 18.05                     |                        |             |  |
| 90                        | 64QAM      | 120     | 120       | 18.28                    | 18.30                       | 18.17                     |                        |             |  |
| 90                        | 64QAM      | 240     | 0         | 18.04                    | 18.09                       | 17.91                     | 18.7                   | 0.0         |  |
| 90                        | 256QAM     | 1       | 1         | 19.32                    | 19.03                       | 19.38                     | 18.7                   | 0.0         |  |
| 90                        | 256QAM     | 1       | 120       | 19.26                    | 18.91                       | 19.33                     |                        |             |  |
| 90                        | 256QAM     | 1       | 243       | 19.26                    | 18.92                       | 19.37                     |                        |             |  |
| 90                        | 256QAM     | 120     | 0         | 19.25                    | 18.94                       | 19.34                     | 18.7                   | 0.0         |  |
| 90                        | 256QAM     | 120     | 60        | 19.25                    | 18.84                       | 19.19                     |                        |             |  |
| 90                        | 256QAM     | 120     | 120       | 19.24                    | 18.92                       | 19.32                     |                        |             |  |
| 90                        | 256QAM     | 240     | 0         | 19.23                    | 18.90                       | 19.22                     | 18.7                   | 0.0         |  |
| Channel                   |            |         |           | 507204                   | 516598                      | 523998                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz)           |            |         |           | 2536.02                  | 2592.99                     | 2649.99                   |                        |             |  |
| 80                        | PI/2 BPSK  | 1       | 1         | 18.21                    | 18.24                       | 17.97                     | 18.7                   | 0.0         |  |
| 80                        | PI/2 BPSK  | 1       | 109       | 18.14                    | 18.20                       | 17.91                     |                        |             |  |
| 80                        | PI/2 BPSK  | 1       | 215       | 18.17                    | 18.24                       | 18.11                     |                        |             |  |
| 80                        | PI/2 BPSK  | 108     | 0         | 18.16                    | 18.10                       | 17.94                     | 18.7                   | 0.0         |  |
| 80                        | PI/2 BPSK  | 108     | 55        | 18.17                    | 18.17                       | 18.02                     |                        |             |  |
| 80                        | PI/2 BPSK  | 108     | 109       | 18.16                    | 18.23                       | 18.02                     |                        |             |  |
| 80                        | PI/2 BPSK  | 216     | 0         | 18.28                    | 18.28                       | 18.10                     | 18.7                   | 0.0         |  |
| 80                        | QPSK       | 1       | 1         | 18.18                    | 18.21                       | 18.10                     | 18.7                   | 0.0         |  |
| 80                        | QPSK       | 1       | 109       | 18.06                    | 18.18                       | 18.01                     |                        |             |  |
| 80                        | QPSK       | 1       | 215       | 18.21                    | 18.22                       | 18.11                     |                        |             |  |
| 80                        | QPSK       | 108     | 0         | 18.06                    | 18.18                       | 18.02                     | 18.7                   | 0.0         |  |
| 80                        | QPSK       | 108     | 55        | 18.08                    | 18.12                       | 17.97                     |                        |             |  |
| 80                        | QPSK       | 108     | 109       | 18.45                    | 18.49                       | 18.30                     |                        |             |  |
| 80                        | QPSK       | 216     | 0         | 18.23                    | 18.28                       | 18.08                     | 18.7                   | 0.0         |  |
| 80                        | 16QAM      | 1       | 1         | 18.16                    | 18.28                       | 18.02                     | 18.7                   | 0.0         |  |
| 80                        | 16QAM      | 1       | 109       | 18.10                    | 18.10                       | 18.03                     |                        |             |  |
| 80                        | 16QAM      | 1       | 215       | 18.27                    | 18.24                       | 18.11                     |                        |             |  |
| 80                        | 16QAM      | 108     | 0         | 18.10                    | 18.13                       | 18.03                     | 18.7                   | 0.0         |  |
| 80                        | 16QAM      | 108     | 55        | 18.04                    | 18.21                       | 18.00                     |                        |             |  |
| 80                        | 16QAM      | 108     | 109       | 18.34                    | 18.34                       | 18.18                     |                        |             |  |
| 80                        | 16QAM      | 216     | 0         | 18.09                    | 18.16                       | 17.91                     | 18.7                   | 0.0         |  |
| 80                        | 64QAM      | 1       | 1         | 18.15                    | 18.15                       | 18.05                     | 18.7                   | 0.0         |  |
| 80                        | 64QAM      | 1       | 109       | 18.12                    | 18.10                       | 17.88                     |                        |             |  |
| 80                        | 64QAM      | 1       | 215       | 18.16                    | 18.27                       | 18.11                     |                        |             |  |
| 80                        | 64QAM      | 108     | 0         | 18.14                    | 18.11                       | 18.07                     | 18.7                   | 0.0         |  |
| 80                        | 64QAM      | 108     | 55        | 18.23                    | 18.13                       | 18.05                     |                        |             |  |
| 80                        | 64QAM      | 108     | 109       | 18.22                    | 18.28                       | 18.07                     |                        |             |  |
| 80                        | 64QAM      | 216     | 0         | 17.97                    | 18.09                       | 17.91                     | 18.7                   | 0.0         |  |
| 80                        | 256QAM     | 1       | 1         | 18.71                    | 18.96                       | 18.73                     | 18.7                   | 0.0         |  |
| 80                        | 256QAM     | 1       | 109       | 18.65                    | 18.81                       | 18.56                     |                        |             |  |
| 80                        | 256QAM     | 1       | 215       | 18.61                    | 18.88                       | 18.57                     |                        |             |  |
| 80                        | 256QAM     | 108     | 0         | 18.65                    | 18.84                       | 18.66                     | 18.7                   | 0.0         |  |
| 80                        | 256QAM     | 108     | 55        | 18.62                    | 18.92                       | 18.72                     |                        |             |  |
| 80                        | 256QAM     | 108     | 109       | 18.57                    | 18.81                       | 18.71                     |                        |             |  |
| 80                        | 256QAM     | 216     | 0         | 18.56                    | 18.74                       | 18.43                     | 18.7                   | 0.0         |  |



| Channel         |           |     |     | 505200  | 518598  | 531996  | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|-----------------|-----------|-----|-----|---------|---------|---------|------------------------|-------------|
| Frequency (MHz) |           |     |     | 2526    | 2592.99 | 2659.98 |                        |             |
| 60              | PI/2 BPSK | 1   | 1   | 18.13   | 18.23   | 17.89   | 18.7                   | 0.0         |
| 60              | PI/2 BPSK | 1   | 81  | 18.10   | 18.13   | 17.83   |                        |             |
| 60              | PI/2 BPSK | 1   | 160 | 18.12   | 18.15   | 18.11   |                        |             |
| 60              | PI/2 BPSK | 81  | 0   | 18.10   | 18.01   | 17.94   | 18.7                   | 0.0         |
| 60              | PI/2 BPSK | 81  | 42  | 18.14   | 18.16   | 18.01   |                        |             |
| 60              | PI/2 BPSK | 81  | 81  | 18.10   | 18.20   | 18.01   |                        |             |
| 60              | PI/2 BPSK | 162 | 0   | 18.18   | 18.22   | 18.07   | 18.7                   | 0.0         |
| 60              | QPSK      | 1   | 1   | 18.13   | 18.16   | 18.02   | 18.7                   | 0.0         |
| 60              | QPSK      | 1   | 81  | 18.04   | 18.10   | 17.91   |                        |             |
| 60              | QPSK      | 1   | 160 | 18.18   | 18.16   | 18.11   |                        |             |
| 60              | QPSK      | 81  | 0   | 17.97   | 18.16   | 17.97   | 18.7                   | 0.0         |
| 60              | QPSK      | 81  | 42  | 18.07   | 18.04   | 17.96   |                        |             |
| 60              | QPSK      | 81  | 81  | 18.44   | 18.41   | 18.28   |                        |             |
| 60              | QPSK      | 162 | 0   | 18.19   | 18.20   | 17.98   | 18.7                   | 0.0         |
| 60              | 16QAM     | 1   | 1   | 18.12   | 18.24   | 17.97   | 18.7                   | 0.0         |
| 60              | 16QAM     | 1   | 81  | 18.00   | 18.10   | 17.93   |                        |             |
| 60              | 16QAM     | 1   | 160 | 18.21   | 18.20   | 18.11   |                        |             |
| 60              | 16QAM     | 81  | 0   | 18.08   | 18.10   | 17.94   | 18.7                   | 0.0         |
| 60              | 16QAM     | 81  | 42  | 17.97   | 18.21   | 17.92   |                        |             |
| 60              | 16QAM     | 81  | 81  | 18.31   | 18.30   | 18.10   |                        |             |
| 60              | 16QAM     | 162 | 0   | 17.99   | 18.16   | 17.83   | 18.7                   | 0.0         |
| 60              | 64QAM     | 1   | 1   | 18.07   | 18.11   | 18.05   | 18.7                   | 0.0         |
| 60              | 64QAM     | 1   | 81  | 18.07   | 18.02   | 17.88   |                        |             |
| 60              | 64QAM     | 1   | 160 | 18.13   | 18.25   | 18.07   |                        |             |
| 60              | 64QAM     | 81  | 0   | 18.10   | 18.01   | 18.00   | 18.7                   | 0.0         |
| 60              | 64QAM     | 81  | 42  | 18.18   | 18.12   | 17.96   |                        |             |
| 60              | 64QAM     | 81  | 81  | 18.18   | 18.25   | 18.06   |                        |             |
| 60              | 64QAM     | 162 | 0   | 17.88   | 18.01   | 17.83   | 18.7                   | 0.0         |
| 60              | 256QAM    | 1   | 1   | 18.87   | 18.86   | 18.99   | 18.7                   | 0.0         |
| 60              | 256QAM    | 1   | 81  | 18.73   | 18.66   | 18.79   |                        |             |
| 60              | 256QAM    | 1   | 160 | 18.79   | 18.82   | 18.99   |                        |             |
| 60              | 256QAM    | 81  | 0   | 18.71   | 18.78   | 18.88   | 18.7                   | 0.0         |
| 60              | 256QAM    | 81  | 42  | 18.81   | 18.74   | 18.79   |                        |             |
| 60              | 256QAM    | 81  | 81  | 18.74   | 18.76   | 18.93   |                        |             |
| 60              | 256QAM    | 162 | 0   | 18.61   | 18.56   | 18.68   | 18.7                   | 0.0         |
| Channel         |           |     |     | 504204  | 518598  | 532998  | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |           |     |     | 2521.02 | 2592.99 | 2654.99 |                        |             |
| 50              | PI/2 BPSK | 1   | 1   | 18.13   | 18.13   | 17.79   | 18.7                   | 0.0         |
| 50              | PI/2 BPSK | 1   | 67  | 18.08   | 18.07   | 17.74   |                        |             |
| 50              | PI/2 BPSK | 1   | 131 | 18.12   | 18.13   | 18.09   |                        |             |
| 50              | PI/2 BPSK | 64  | 0   | 18.07   | 17.96   | 17.93   | 18.7                   | 0.0         |
| 50              | PI/2 BPSK | 64  | 35  | 18.06   | 18.08   | 17.96   |                        |             |
| 50              | PI/2 BPSK | 64  | 69  | 18.07   | 18.13   | 17.98   |                        |             |
| 50              | PI/2 BPSK | 128 | 0   | 18.16   | 18.15   | 18.07   | 18.7                   | 0.0         |
| 50              | QPSK      | 1   | 1   | 18.08   | 18.10   | 17.98   | 18.7                   | 0.0         |
| 50              | QPSK      | 1   | 67  | 18.03   | 18.05   | 17.82   |                        |             |
| 50              | QPSK      | 1   | 131 | 18.14   | 18.16   | 18.07   |                        |             |
| 50              | QPSK      | 64  | 0   | 17.91   | 18.09   | 17.88   | 18.7                   | 0.0         |
| 50              | QPSK      | 64  | 35  | 18.01   | 18.04   | 17.86   |                        |             |
| 50              | QPSK      | 64  | 69  | 18.38   | 18.37   | 18.23   |                        |             |
| 50              | QPSK      | 128 | 0   | 18.10   | 18.18   | 17.89   | 18.7                   | 0.0         |
| 50              | 16QAM     | 1   | 1   | 18.06   | 18.15   | 17.92   | 18.7                   | 0.0         |
| 50              | 16QAM     | 1   | 67  | 17.94   | 18.07   | 17.90   |                        |             |
| 50              | 16QAM     | 1   | 131 | 18.14   | 18.15   | 18.02   |                        |             |
| 50              | 16QAM     | 64  | 0   | 18.00   | 18.03   | 17.93   | 18.7                   | 0.0         |
| 50              | 16QAM     | 64  | 35  | 17.93   | 18.12   | 17.90   |                        |             |
| 50              | 16QAM     | 64  | 69  | 18.22   | 18.25   | 18.07   |                        |             |
| 50              | 16QAM     | 128 | 0   | 17.97   | 18.08   | 17.76   | 18.7                   | 0.0         |
| 50              | 64QAM     | 1   | 1   | 18.01   | 18.02   | 17.95   | 18.7                   | 0.0         |
| 50              | 64QAM     | 1   | 67  | 18.07   | 17.92   | 17.87   |                        |             |
| 50              | 64QAM     | 1   | 131 | 18.07   | 18.17   | 18.01   |                        |             |
| 50              | 64QAM     | 64  | 0   | 18.00   | 17.92   | 17.91   | 18.7                   | 0.0         |
| 50              | 64QAM     | 64  | 35  | 18.14   | 18.04   | 17.87   |                        |             |
| 50              | 64QAM     | 64  | 69  | 18.15   | 18.22   | 18.04   |                        |             |
| 50              | 64QAM     | 128 | 0   | 17.81   | 17.96   | 17.78   | 18.7                   | 0.0         |
| 50              | 256QAM    | 1   | 1   | 18.72   | 18.95   | 18.98   | 18.7                   | 0.0         |
| 50              | 256QAM    | 1   | 67  | 18.52   | 18.91   | 18.95   |                        |             |
| 50              | 256QAM    | 1   | 131 | 18.54   | 18.81   | 18.81   |                        |             |
| 50              | 256QAM    | 64  | 0   | 18.71   | 18.89   | 18.87   | 18.7                   | 0.0         |
| 50              | 256QAM    | 64  | 35  | 18.67   | 18.91   | 18.80   |                        |             |
| 50              | 256QAM    | 64  | 69  | 18.62   | 18.92   | 18.81   |                        |             |
| 50              | 256QAM    | 128 | 0   | 18.36   | 18.77   | 18.78   | 18.7                   | 0.0         |
| Channel         |           |     |     | 503202  | 518598  | 534000  | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |           |     |     | 2516.01 | 2592.99 | 2670    |                        |             |
| 40              | PI/2 BPSK | 1   | 1   | 18.12   | 18.05   | 17.79   | 18.7                   | 0.0         |
| 40              | PI/2 BPSK | 1   | 53  | 18.07   | 17.99   | 17.74   |                        |             |
| 40              | PI/2 BPSK | 1   | 104 | 18.10   | 18.08   | 18.02   |                        |             |
| 40              | PI/2 BPSK | 50  | 0   | 18.00   | 17.93   | 17.87   | 18.7                   | 0.0         |
| 40              | PI/2 BPSK | 50  | 28  | 18.05   | 18.04   | 17.87   |                        |             |
| 40              | PI/2 BPSK | 50  | 56  | 18.01   | 18.04   | 17.96   |                        |             |
| 40              | PI/2 BPSK | 100 | 0   | 18.12   | 18.07   | 17.99   | 18.7                   | 0.0         |
| 40              | QPSK      | 1   | 1   | 17.98   | 18.08   | 17.90   | 18.7                   | 0.0         |
| 40              | QPSK      | 1   | 53  | 18.01   | 18.05   | 17.82   |                        |             |
| 40              | QPSK      | 1   | 104 | 18.11   | 18.11   | 18.01   |                        |             |
| 40              | QPSK      | 50  | 0   | 17.84   | 18.04   | 17.86   | 18.7                   | 0.0         |
| 40              | QPSK      | 50  | 28  | 17.97   | 17.95   | 17.76   |                        |             |
| 40              | QPSK      | 50  | 56  | 18.28   | 18.35   | 18.15   |                        |             |
| 40              | QPSK      | 100 | 0   | 18.00   | 18.08   | 17.83   | 18.7                   | 0.0         |
| 40              | 16QAM     | 1   | 1   | 17.97   | 18.12   | 17.92   | 18.7                   | 0.0         |
| 40              | 16QAM     | 1   | 53  | 17.86   | 18.00   | 17.83   |                        |             |
| 40              | 16QAM     | 1   | 104 | 18.10   | 18.14   | 17.98   |                        |             |
| 40              | 16QAM     | 50  | 0   | 17.96   | 18.01   | 17.90   | 18.7                   | 0.0         |
| 40              | 16QAM     | 50  | 28  | 17.84   | 18.12   | 17.89   |                        |             |
| 40              | 16QAM     | 50  | 56  | 18.17   | 18.18   | 17.98   |                        |             |
| 40              | 16QAM     | 100 | 0   | 17.92   | 18.08   | 17.75   | 18.7                   | 0.0         |
| 40              | 64QAM     | 1   | 1   | 17.95   | 18.01   | 17.93   | 18.7                   | 0.0         |
| 40              | 64QAM     | 1   | 53  | 18.01   | 17.83   | 17.87   |                        |             |
| 40              | 64QAM     | 1   | 104 | 18.02   | 18.08   | 17.91   |                        |             |
| 40              | 64QAM     | 50  | 0   | 17.95   | 17.84   | 17.91   | 18.7                   | 0.0         |
| 40              | 64QAM     | 50  | 28  | 18.11   | 17.96   | 17.86   |                        |             |
| 40              | 64QAM     | 50  | 56  | 18.09   | 18.19   | 17.97   |                        |             |
| 40              | 64QAM     | 100 | 0   | 17.76   | 17.94   | 17.71   | 18.7                   | 0.0         |
| 40              | 256QAM    | 1   | 1   | 19.18   | 19.26   | 19.27   | 18.7                   | 0.0         |
| 40              | 256QAM    | 1   | 53  | 19.08   | 19.22   | 19.26   |                        |             |
| 40              | 256QAM    | 1   | 104 | 19.01   | 19.14   | 19.26   |                        |             |
| 40              | 256QAM    | 50  | 0   | 19.05   | 19.21   | 19.17   | 18.7                   | 0.0         |
| 40              | 256QAM    | 50  | 28  | 19.15   | 19.06   | 19.15   |                        |             |
| 40              | 256QAM    | 50  | 56  | 19.06   | 19.12   | 19.17   |                        |             |
| 40              | 256QAM    | 100 | 0   | 18.88   | 19.04   | 19.23   | 18.7                   | 0.0         |

| Channel         |           |    |    | 501204  | 518598  | 535998  | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|-----------------|-----------|----|----|---------|---------|---------|------------------------|-------------|
| Frequency (MHz) |           |    |    | 2506.02 | 2592.99 | 2679.99 |                        |             |
| 20              | PI/2 BPSK | 1  | 1  | 18.22   | 17.93   | 18.28   | 18.7                   | 0.0         |
| 20              | PI/2 BPSK | 1  | 26 | 18.16   | 17.81   | 18.23   |                        |             |
| 20              | PI/2 BPSK | 1  | 49 | 18.16   | 17.82   | 18.27   |                        |             |
| 20              | PI/2 BPSK | 25 | 0  | 18.15   | 17.84   | 18.24   | 18.7                   | 0.0         |
| 20              | PI/2 BPSK | 25 | 13 | 18.15   | 17.74   | 18.09   |                        |             |
| 20              | PI/2 BPSK | 25 | 26 | 18.14   | 17.82   | 18.22   |                        |             |
| 20              | PI/2 BPSK | 50 | 0  | 18.13   | 17.80   | 18.12   | 18.7                   | 0.0         |
| 20              | QPSK      | 1  | 1  | 17.68   | 17.69   | 17.59   | 18.7                   | 0.0         |
| 20              | QPSK      | 1  | 26 | 17.57   | 17.71   | 17.47   |                        |             |
| 20              | QPSK      | 1  | 49 | 17.59   | 17.73   | 17.61   |                        |             |
| 20              | QPSK      | 25 | 0  | 17.64   | 17.83   | 17.48   | 18.7                   | 0.0         |
| 20              | QPSK      | 25 | 13 | 17.63   | 17.79   | 17.41   |                        |             |
| 20              | QPSK      | 25 | 26 | 17.63   | 17.70   | 17.51   |                        |             |
| 20              | QPSK      | 50 | 0  | 17.51   | 17.57   | 17.18   | 18.7                   | 0.0         |
| 20              | 16QAM     | 1  | 1  | 17.72   | 17.77   | 17.55   | 18.7                   | 0.0         |
| 20              | 16QAM     | 1  | 26 | 17.59   | 17.73   | 17.39   |                        |             |
| 20              | 16QAM     | 1  | 49 | 17.66   | 17.66   | 17.51   |                        |             |
| 20              | 16QAM     | 25 | 0  | 17.71   | 17.75   | 17.42   | 18.7                   | 0.0         |
| 20              | 16QAM     | 25 | 13 | 17.63   | 17.69   | 17.49   |                        |             |
| 20              | 16QAM     | 25 | 26 | 17.64   | 17.77   | 17.42   |                        |             |
| 20              | 16QAM     | 50 | 0  | 17.45   | 17.66   | 17.23   | 18.7                   | 0.0         |
| 20              | 64QAM     | 1  | 1  | 18.08   | 18.16   | 18.17   | 18.7                   | 0.0         |
| 20              | 64QAM     | 1  | 26 | 17.98   | 18.12   | 18.16   |                        |             |
| 20              | 64QAM     | 1  | 49 | 17.91   | 18.04   | 18.16   |                        |             |
| 20              | 64QAM     | 25 | 0  | 17.95   | 18.11   | 18.07   | 18.7                   | 0.0         |
| 20              | 64QAM     | 25 | 13 | 18.05   | 17.96   | 18.05   |                        |             |
| 20              | 64QAM     | 25 | 26 | 17.96   | 18.02   | 18.07   |                        |             |
| 20              | 64QAM     | 50 | 0  | 17.78   | 17.94   | 18.13   | 18.7                   | 0.0         |
| 20              | 256QAM    | 1  | 1  | 17.66   | 17.87   | 17.56   | 18.7                   | 0.0         |
| 20              | 256QAM    | 1  | 26 | 17.64   | 17.81   | 17.32   |                        |             |
| 20              | 256QAM    | 1  | 49 | 17.63   | 17.60   | 17.56   |                        |             |
| 20              | 256QAM    | 25 | 0  | 17.69   | 17.66   | 17.41   | 18.7                   | 0.0         |
| 20              | 256QAM    | 25 | 13 | 17.72   | 17.71   | 17.56   |                        |             |
| 20              | 256QAM    | 25 | 26 | 17.61   | 17.82   | 17.46   |                        |             |
| 20              | 256QAM    | 50 | 0  | 17.52   | 17.67   | 17.19   | 18.7                   | 0.0         |

### Full Power

| 2 CC       |                 |                        |          |          |                |            |      |        |              |          |    |          |                |            |                        |                       |  |
|------------|-----------------|------------------------|----------|----------|----------------|------------|------|--------|--------------|----------|----|----------|----------------|------------|------------------------|-----------------------|--|
| Configure  |                 | CA Configuration (BCS) | PCC      |          |                |            |      |        |              |          | Ch | SCC      |                |            |                        | Power                 |  |
|            |                 |                        | LTE Band | BW (MHz) | UL Freq. (MHz) | UL Channel | Mod. | UL# RB | UL RB Offset | LTE Band |    | BW (MHz) | DL Freq. (MHz) | DL Channel | With CA Tx.Power (dBm) | W/O CA Tx.Power (dBm) |  |
| Intra-Band | Non-Configuious | 7A-7A                  | 7        | 20       | 2535           | 21100      | QPSK | 1      | 0            | M        | 7  | 20       | 2680           | 3350       | 23.20                  | 23.22                 |  |
|            |                 | 66A-66A                | 66       | 20       | 1720           | 132072     | QPSK | 1      | 0            | L        | 66 | 20       | 2190           | 67236      | 23.04                  | 22.88                 |  |
|            | Configuious     | 7C                     | 7        | 20       | 2535           | 21100      | QPSK | 1      | 0            | M        | 7  | 20       | 2673.0         | 3298       | 23.25                  | 23.22                 |  |
|            |                 | 66C                    | 66       | 20       | 1720           | 132072     | QPSK | 1      | 0            | L        | 66 | 20       | 2139.8         | 66734      | 22.85                  | 22.88                 |  |

| 3CC        |                |                        |             |          |                |            |       |        |              |          |    |          |                |            |          |          |                |            |                        |                       |       |
|------------|----------------|------------------------|-------------|----------|----------------|------------|-------|--------|--------------|----------|----|----------|----------------|------------|----------|----------|----------------|------------|------------------------|-----------------------|-------|
| Configure  |                | CA Configuration (BCS) | PCC         |          |                |            |       |        |              |          | Ch | SCC      |                |            |          | SCC2     |                |            |                        | Power                 |       |
|            |                |                        | LTE Band    | BW (MHz) | UL Freq. (MHz) | UL Channel | Mod.  | UL# RB | UL RB Offset | LTE Band |    | BW (MHz) | DL Freq. (MHz) | DL Channel | LTE Band | BW (MHz) | DL Freq. (MHz) | DL Channel | With CA Tx Power (dBm) | W/O CA Tx Power (dBm) |       |
| Inter-Band |                |                        | 41A-41C     | 41       | 20             | 2593       | 40620 | QPSK   | 1            | 0        | M  | 41       | 20             | 2593       | 40620    | 41       | 20             | 2612.8     | 40818                  | 22.96                 | 22.99 |
| Intra-Band | Non-Contiguous |                        | 41A-41A-41A | 41       | 20             | 2593       | 40620 | QPSK   | 1            | 0        | M  | 41       | 20             | 2680       | 41490    | 41       | 20             | 2680       | 41490                  | 22.95                 | 22.99 |
|            | Contiguous     |                        | 41D         | 41       | 20             | 2593       | 40620 | QPSK   | 1            | 0        | M  | 41       | 20             | 2612.8     | 40818    | 41       | 20             | 2632.6     | 41016                  | 23.01                 | 22.99 |

| 4CC        |                        |          |          |                |            |      |        |              |    |          |          |                |            |          |          |                |            |          |          |                |            |                        |                       |  |
|------------|------------------------|----------|----------|----------------|------------|------|--------|--------------|----|----------|----------|----------------|------------|----------|----------|----------------|------------|----------|----------|----------------|------------|------------------------|-----------------------|--|
| Configure  | CA Configuration (BCS) | PCC      |          |                |            |      |        |              |    | SCC1     |          |                |            | SCC2     |          |                |            | SCC3     |          |                |            | Power                  |                       |  |
|            |                        | LTE Band | BW (MHz) | UL Freq. (MHz) | UL Channel | Mod. | UL# RB | UL RB Offset | Ch | LTE Band | BW (MHz) | DL Freq. (MHz) | DL Channel | LTE Band | BW (MHz) | DL Freq. (MHz) | DL Channel | LTE Band | BW (MHz) | DL Freq. (MHz) | DL Channel | With CA Tx Power (dBm) | W/O CA Tx Power (dBm) |  |
| Inter-Band | 7A-46D                 | 7        | 20       | 2535           | 21100      | QPSK | 1      | 0            | M  | 46       | 20       | 5537.5         | 50665      | 46       | 20       | 5557.3         | 50863      | 46       | 20       | 5577.1         | 51061      | 23.24                  | 23.22                 |  |

| Full Power                            |             |            |         |           |         |           |               |                       |                      |                     |
|---------------------------------------|-------------|------------|---------|-----------|---------|-----------|---------------|-----------------------|----------------------|---------------------|
| CA_41C Ant 1                          |             |            |         |           |         |           |               |                       |                      |                     |
| Combination 20MHz+20MHz (100RB+100RB) |             |            |         |           |         |           |               |                       |                      |                     |
| PCC Channel                           | SCC Channel | Modulation | PCC     |           | SCC     |           | Total RB Size | Target MPR Level (dB) | Measured Power (dBm) | Tune up Power (dBm) |
|                                       |             |            | RB Size | RB offset | RB Size | RB offset |               |                       |                      |                     |
| 39750                                 | 39948       | QPSK       | 1       | 0         | 0       | 0         | 1             | 0                     | 23.43                | 24                  |
| 40185                                 | 39987       | QPSK       | 1       | 0         | 1       | 99        | 2             | 0                     | 23.4                 | 24                  |
| 40620                                 | 40422       | QPSK       | 1       | 0         | 1       | 99        | 2             | 0                     | 23.65                | 24                  |
| 41055                                 | 40857       | QPSK       | 1       | 0         | 1       | 99        | 2             | 0                     | 23.84                | 24                  |
| 41490                                 | 41292       | QPSK       | 1       | 0         | 1       | 99        | 2             | 0                     | 23.72                | 24                  |

| CA_41C Ant 2                          |             |            |         |           |         |           |               |                       |                      |                     |
|---------------------------------------|-------------|------------|---------|-----------|---------|-----------|---------------|-----------------------|----------------------|---------------------|
| Combination 20MHz+20MHz (100RB+100RB) |             |            |         |           |         |           |               |                       |                      |                     |
| PCC Channel                           | SCC Channel | Modulation | PCC     |           | SCC     |           | Total RB Size | Target MPR Level (dB) | Measured Power (dBm) | Tune up Power (dBm) |
|                                       |             |            | RB Size | RB offset | RB Size | RB offset |               |                       |                      |                     |
| 39750                                 | 39948       | QPSK       | 1       | 0         | 0       | 0         | 1             | 0                     | 23.01                | 23.5                |
| 40185                                 | 39987       | QPSK       | 1       | 0         | 1       | 99        | 2             | 0                     | 23.08                | 23.5                |
| 40620                                 | 40422       | QPSK       | 1       | 0         | 1       | 99        | 2             | 0                     | 22.95                | 23.5                |
| 41055                                 | 40857       | QPSK       | 1       | 0         | 1       | 99        | 2             | 0                     | 22.61                | 23.5                |
| 41490                                 | 41292       | QPSK       | 1       | 0         | 1       | 99        | 2             | 0                     | 22.63                | 23.5                |



| CA_DSI 3                              |             |            |         |           |         |           |               |                       |                      |                     |
|---------------------------------------|-------------|------------|---------|-----------|---------|-----------|---------------|-----------------------|----------------------|---------------------|
| CA_41C Ant 1                          |             |            |         |           |         |           |               |                       |                      |                     |
| Combination 20MHz+20MHz (100RB+100RB) |             |            |         |           |         |           |               |                       |                      |                     |
| PCC Channel                           | SCC Channel | Modulation | PCC     |           | SCC     |           | Total RB Size | Target MPR Level (dB) | Measured Power (dBm) | Tune up Power (dBm) |
|                                       |             |            | RB Size | RB offset | RB Size | RB offset |               |                       |                      |                     |
| 39750                                 | 39948       | QPSK       | 1       | 99        | 1       | 0         | 1             | 0                     | 20.59                | 21.1                |
| 40185                                 | 39987       | QPSK       | 1       | 0         | 1       | 99        | 2             | 0                     | 20.62                | 21.1                |
| 40620                                 | 40422       | QPSK       | 1       | 0         | 1       | 99        | 2             | 0                     | 21                   | 21.1                |
| 41055                                 | 40857       | QPSK       | 1       | 0         | 1       | 99        | 2             | 0                     | 20.87                | 21.1                |
| 41490                                 | 41292       | QPSK       | 1       | 0         | 1       | 99        | 2             | 0                     | 20.98                | 21.1                |

| CA_DSI 3                              |             |            |         |           |         |           |               |                       |                      |                     |
|---------------------------------------|-------------|------------|---------|-----------|---------|-----------|---------------|-----------------------|----------------------|---------------------|
| CA_41C_Ant 2                          |             |            |         |           |         |           |               |                       |                      |                     |
| Combination 20MHz+20MHz (100RB+100RB) |             |            |         |           |         |           |               |                       |                      |                     |
| PCC Channel                           | SCC Channel | Modulation | PCC     |           | SCC     |           | Total RB Size | Target MPR Level (dB) | Measured Power (dBm) | Tune up Power (dBm) |
|                                       |             |            | RB Size | RB offset | RB Size | RB offset |               |                       |                      |                     |
| 39750                                 | 39948       | QPSK       | 1       | 99        | 1       | 0         | 1             | 0                     | 19.54                | 19.8                |
| 40185                                 | 39987       | QPSK       | 1       | 0         | 1       | 99        | 2             | 0                     | 19.51                | 19.8                |
| 40620                                 | 40422       | QPSK       | 1       | 0         | 1       | 99        | 2             | 0                     | 19.55                | 19.8                |
| 41055                                 | 40857       | QPSK       | 1       | 0         | 1       | 99        | 2             | 0                     | 19.38                | 19.8                |
| 41490                                 | 41292       | QPSK       | 1       | 0         | 1       | 99        | 2             | 0                     | 18.84                | 19.8                |

| CA_DSI 5                              |             |            |         |           |         |           |               |                       |                      |                     |
|---------------------------------------|-------------|------------|---------|-----------|---------|-----------|---------------|-----------------------|----------------------|---------------------|
| CA_41C_Ant 1                          |             |            |         |           |         |           |               |                       |                      |                     |
| Combination 20MHz+20MHz (100RB+100RB) |             |            |         |           |         |           |               |                       |                      |                     |
| PCC Channel                           | SCC Channel | Modulation | PCC     |           | SCC     |           | Total RB Size | Target MPR Level (dB) | Measured Power (dBm) | Tune up Power (dBm) |
|                                       |             |            | RB Size | RB offset | RB Size | RB offset |               |                       |                      |                     |
| 39750                                 | 39948       | QPSK       | 1       | 99        | 1       | 0         | 1             | 0                     | 17.66                | 19.1                |
| 40185                                 | 39987       | QPSK       | 1       | 0         | 1       | 99        | 2             | 0                     | 17.7                 | 19.1                |
| 40620                                 | 40422       | QPSK       | 1       | 0         | 1       | 99        | 2             | 0                     | 17.89                | 19.1                |
| 41055                                 | 40857       | QPSK       | 1       | 0         | 1       | 99        | 2             | 0                     | 17.7                 | 19.1                |
| 41490                                 | 41292       | QPSK       | 1       | 0         | 1       | 99        | 2             | 0                     | 17.88                | 19.1                |

| CA_DSI 5                              |             |            |         |           |         |           |               |                       |                      |                     |
|---------------------------------------|-------------|------------|---------|-----------|---------|-----------|---------------|-----------------------|----------------------|---------------------|
| CA_41C_Ant 2                          |             |            |         |           |         |           |               |                       |                      |                     |
| Combination 20MHz+20MHz (100RB+100RB) |             |            |         |           |         |           |               |                       |                      |                     |
| PCC Channel                           | SCC Channel | Modulation | PCC     |           | SCC     |           | Total RB Size | Target MPR Level (dB) | Measured Power (dBm) | Tune up Power (dBm) |
|                                       |             |            | RB Size | RB offset | RB Size | RB offset |               |                       |                      |                     |
| 39750                                 | 39948       | QPSK       | 1       | 99        | 1       | 0         | 1             | 0                     | 20.7                 | 21                  |
| 40185                                 | 39987       | QPSK       | 1       | 0         | 1       | 99        | 2             | 0                     | 20.6                 | 21                  |
| 40620                                 | 40422       | QPSK       | 1       | 0         | 1       | 99        | 2             | 0                     | 20.55                | 21                  |
| 41055                                 | 40857       | QPSK       | 1       | 0         | 1       | 99        | 2             | 0                     | 20.41                | 21                  |
| 41490                                 | 41292       | QPSK       | 1       | 0         | 1       | 99        | 2             | 0                     | 19.91                | 21                  |



| CA_DSI 6                              |             |            |         |           |         |           |               |                       |                      |                     |
|---------------------------------------|-------------|------------|---------|-----------|---------|-----------|---------------|-----------------------|----------------------|---------------------|
| CA_41C_Ant 1                          |             |            |         |           |         |           |               |                       |                      |                     |
| Combination 20MHz+20MHz (100RB+100RB) |             |            |         |           |         |           |               |                       |                      |                     |
| PCC Channel                           | SCC Channel | Modulation | PCC     |           | SCC     |           | Total RB Size | Target MPR Level (dB) | Measured Power (dBm) | Tune up Power (dBm) |
|                                       |             |            | RB Size | RB offset | RB Size | RB offset |               |                       |                      |                     |
| 39750                                 | 39948       | QPSK       | 1       | 99        | 1       | 0         | 1             | 0                     | 18.56                | 19.1                |
| 40185                                 | 39987       | QPSK       | 1       | 0         | 1       | 99        | 2             | 0                     | 18.55                | 19.1                |
| 40620                                 | 40422       | QPSK       | 1       | 0         | 1       | 99        | 2             | 0                     | 18.84                | 19.1                |
| 41055                                 | 40857       | QPSK       | 1       | 0         | 1       | 99        | 2             | 0                     | 18.91                | 19.1                |
| 41490                                 | 41292       | QPSK       | 1       | 0         | 1       | 99        | 2             | 0                     | 18.81                | 19.1                |

| CA_DSI 6                              |             |            |         |           |         |           |               |                       |                      |                     |
|---------------------------------------|-------------|------------|---------|-----------|---------|-----------|---------------|-----------------------|----------------------|---------------------|
| CA_41C_Ant 2                          |             |            |         |           |         |           |               |                       |                      |                     |
| Combination 20MHz+20MHz (100RB+100RB) |             |            |         |           |         |           |               |                       |                      |                     |
| PCC Channel                           | SCC Channel | Modulation | PCC     |           | SCC     |           | Total RB Size | Target MPR Level (dB) | Measured Power (dBm) | Tune up Power (dBm) |
|                                       |             |            | RB Size | RB offset | RB Size | RB offset |               |                       |                      |                     |
| 39750                                 | 39948       | QPSK       | 1       | 99        | 1       | 0         | 1             | 0                     | 20.58                | 21                  |
| 40185                                 | 39987       | QPSK       | 1       | 0         | 1       | 99        | 2             | 0                     | 20.71                | 21                  |
| 40620                                 | 40422       | QPSK       | 1       | 0         | 1       | 99        | 2             | 0                     | 20.58                | 21                  |
| 41055                                 | 40857       | QPSK       | 1       | 0         | 1       | 99        | 2             | 0                     | 20.44                | 21                  |
| 41490                                 | 41292       | QPSK       | 1       | 0         | 1       | 99        | 2             | 0                     | 19.92                | 21                  |





Power Table 1/3/4/5

| Ant 4       |                   |         |                 |                     |               |              |
|-------------|-------------------|---------|-----------------|---------------------|---------------|--------------|
| 2.4GHz WLAN | Mode              | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |
| 2.4GHz WLAN | 802.11b 1Mbps     | 1       | 2412            | 20.70               | 21.00         | 100.00       |
|             |                   | 6       | 2437            | 20.70               | 21.00         |              |
|             |                   | 11      | 2462            | 20.00               | 21.00         |              |
|             | 802.11g 6Mbps     | 1       | 2412            | 15.10               | 15.50         | 98.06        |
|             |                   | 2       | 2417            | 17.50               | 18.00         |              |
|             |                   | 6       | 2437            | 19.80               | 20.00         |              |
|             |                   | 10      | 2457            | 17.70               | 18.00         |              |
|             |                   | 11      | 2462            | 13.90               | 14.50         |              |
|             | 802.11n-HT20 MCS0 | 1       | 2412            | 14.90               | 15.50         | 97.92        |
|             |                   | 2       | 2417            | 16.90               | 18.00         |              |
|             |                   | 6       | 2437            | 19.90               | 20.00         |              |
|             |                   | 10      | 2457            | 16.90               | 18.00         |              |
|             |                   | 11      | 2462            | 13.70               | 14.50         |              |
|             | 802.11n-HT40 MCS0 | 3       | 2422            | 14.90               | 15.50         | 93.33        |
|             |                   | 6       | 2437            | 14.20               | 15.50         |              |
|             |                   | 9       | 2452            | 12.20               | 13.00         |              |

| Ant 4       |                     |         |                 |                     |               |              |
|-------------|---------------------|---------|-----------------|---------------------|---------------|--------------|
| 5GHz WLAN   | Mode                | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |
| 5.2GHz WLAN | 802.11a 6Mbps       | 36      | 5180            | 16.80               | 17.00         | 98.06        |
|             |                     | 40      | 5200            | 16.40               | 17.00         |              |
|             |                     | 44      | 5220            | 16.60               | 17.00         |              |
|             |                     | 48      | 5240            | 16.20               | 17.00         |              |
|             | 802.11n-HT20 MCS0   | 36      | 5180            | 16.90               | 17.50         | 98.19        |
|             |                     | 40      | 5200            | 16.78               | 17.50         |              |
|             |                     | 44      | 5220            | 17.30               | 17.50         |              |
|             |                     | 48      | 5240            | 16.90               | 17.50         |              |
|             | 802.11n-HT40 MCS0   | 38      | 5190            | 13.40               | 14.00         | 95.88        |
|             |                     | 46      | 5230            | 19.40               | 20.00         |              |
|             | 802.11ac-VHT20 MCS0 | 36      | 5180            | 16.80               | 17.50         | 97.94        |
|             |                     | 40      | 5200            | 16.62               | 17.50         |              |
|             |                     | 44      | 5220            | 17.20               | 17.50         |              |
|             |                     | 48      | 5240            | 16.90               | 17.50         |              |
|             | 802.11ac-VHT40 MCS0 | 38      | 5190            | 13.60               | 14.00         | 95.88        |
|             |                     | 46      | 5230            | 19.50               | 20.00         |              |
|             | 802.11ac-VHT80 MCS0 | 42      | 5210            | 12.20               | 13.00         | 91.84        |

| Ant 4       |                     |         |                 |                     |               |              |
|-------------|---------------------|---------|-----------------|---------------------|---------------|--------------|
| 5GHz WLAN   | Mode                | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |
| 5.3GHz WLAN | 802.11a 6Mbps       | 52      | 5260            | 16.50               | 17.00         | 98.06        |
|             |                     | 56      | 5280            | 16.40               | 17.00         |              |
|             |                     | 60      | 5300            | 16.30               | 17.00         |              |
|             |                     | 64      | 5320            | 16.10               | 17.00         |              |
|             | 802.11n-HT20 MCS0   | 52      | 5260            | 16.60               | 17.50         | 98.19        |
|             |                     | 56      | 5280            | 16.48               | 17.50         |              |
|             |                     | 60      | 5300            | 16.90               | 17.50         |              |
|             |                     | 64      | 5320            | 16.60               | 17.50         |              |
|             | 802.11n-HT40 MCS0   | 54      | 5270            | 19.20               | 20.00         | 95.88        |
|             |                     | 62      | 5310            | 14.80               | 15.50         |              |
|             | 802.11ac-VHT20 MCS0 | 52      | 5260            | 16.90               | 17.50         | 97.94        |
|             |                     | 56      | 5280            | 16.72               | 17.50         |              |
|             |                     | 60      | 5300            | 16.90               | 17.50         |              |
|             |                     | 64      | 5320            | 16.60               | 17.50         |              |
|             | 802.11ac-VHT40 MCS0 | 54      | 5270            | 19.00               | 20.00         | 95.88        |
|             |                     | 62      | 5310            | 14.80               | 15.50         |              |
|             | 802.11ac-VHT80 MCS0 | 58      | 5290            | 14.20               | 15.00         | 91.84        |

| Ant 4       |                     |         |                 |                     |               |              |
|-------------|---------------------|---------|-----------------|---------------------|---------------|--------------|
| 5GHz WLAN   | Mode                | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |
| 5.5GHz WLAN | 802.11a 6Mbps       | 100     | 5500            | 16.60               | 17.50         | 98.06        |
|             |                     | 116     | 5580            | 16.30               | 17.50         |              |
|             |                     | 124     | 5620            | 16.50               | 17.50         |              |
|             |                     | 132     | 5660            | 16.60               | 17.50         |              |
|             |                     | 140     | 5700            | 16.80               | 17.50         |              |
|             |                     | 144     | 5720            | 16.70               | 17.50         |              |
|             | 802.11n-HT20 MCS0   | 100     | 5500            | 16.90               | 17.50         | 98.19        |
|             |                     | 116     | 5580            | 16.30               | 17.50         |              |
|             |                     | 124     | 5620            | 16.21               | 17.50         |              |
|             |                     | 132     | 5660            | 16.23               | 17.50         |              |
|             |                     | 140     | 5700            | 16.30               | 17.50         |              |
|             |                     | 144     | 5720            | 16.30               | 17.50         |              |
|             | 802.11n-HT40 MCS0   | 102     | 5510            | 16.90               | 18.00         | 95.88        |
|             |                     | 110     | 5550            | 19.50               | 20.00         |              |
|             |                     | 126     | 5630            | 19.18               | 20.00         |              |
|             |                     | 134     | 5670            | 19.20               | 20.00         |              |
|             | 802.11ac-VHT20 MCS0 | 100     | 5500            | 16.80               | 17.50         | 97.94        |
|             |                     | 116     | 5580            | 16.30               | 17.50         |              |
|             |                     | 124     | 5620            | 16.15               | 17.50         |              |
|             |                     | 132     | 5660            | 16.18               | 17.50         |              |
|             | 802.11ac-VHT40 MCS0 | 102     | 5510            | 17.10               | 18.00         | 95.88        |
|             |                     | 110     | 5550            | 19.10               | 20.00         |              |
|             |                     | 126     | 5630            | 19.03               | 20.00         |              |
|             |                     | 134     | 5670            | 19.00               | 20.00         |              |
|             | 802.11ac-VHT80 MCS0 | 106     | 5530            | 16.30               | 17.00         | 91.84        |
|             |                     | 122     | 5610            | 18.10               | 19.00         |              |
|             |                     | 138     | 5690            | 18.20               | 19.00         |              |

| Ant 4       |                     |         |                 |                     |               |              |
|-------------|---------------------|---------|-----------------|---------------------|---------------|--------------|
| 5GHz WLAN   | Mode                | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |
| 5.8GHz WLAN | 802.11a 6Mbps       | 149     | 5745            | 20.20               | 21.00         | 98.06        |
|             |                     | 157     | 5785            | 20.20               | 21.00         |              |
|             |                     | 165     | 5825            | 20.20               | 21.00         |              |
|             | 802.11n-HT20 MCS0   | 149     | 5745            | 19.30               | 20.50         | 98.19        |
|             |                     | 157     | 5785            | 19.40               | 20.50         |              |
|             |                     | 165     | 5825            | 19.10               | 20.50         |              |
|             | 802.11n-HT40 MCS0   | 151     | 5755            | 19.00               | 20.50         | 95.88        |
|             |                     | 159     | 5795            | 19.20               | 20.50         |              |
|             | 802.11ac-VHT20 MCS0 | 149     | 5745            | 19.30               | 20.50         | 97.94        |
|             |                     | 157     | 5785            | 19.40               | 20.50         |              |
|             |                     | 165     | 5825            | 19.10               | 20.50         |              |
|             | 802.11ac-VHT40 MCS0 | 151     | 5755            | 18.70               | 20.00         | 95.88        |
|             |                     | 159     | 5795            | 18.70               | 20.00         |              |
|             |                     | 155     | 5775            | 18.40               | 20.00         |              |

| Ant 4       |                   |         |                 |                     |               |              |
|-------------|-------------------|---------|-----------------|---------------------|---------------|--------------|
| 2.4GHz WLAN | Mode              | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |
| 2.4GHz WLAN | 802.11b 1Mbps     | 1       | 2412            | 8.72                | 9.00          | 100.00       |
|             |                   | 6       | 2437            | 8.67                | 9.00          |              |
|             |                   | 11      | 2462            | 8.65                | 9.00          |              |
|             | 802.11g 6Mbps     | 1       | 2412            | Not Required        | 9.00          | 98.06        |
|             |                   | 2       | 2417            |                     | 9.00          |              |
|             |                   | 6       | 2437            |                     | 9.00          |              |
|             |                   | 10      | 2457            |                     | 9.00          |              |
|             | 802.11n-HT20 MCS0 | 11      | 2462            |                     | 9.00          | 97.92        |
|             |                   | 1       | 2412            |                     | 9.00          |              |
|             |                   | 2       | 2417            |                     | 9.00          |              |
|             |                   | 6       | 2437            |                     | 9.00          |              |
|             | 802.11n-HT40 MCS0 | 10      | 2457            |                     | 9.00          | 93.33        |
|             |                   | 11      | 2462            |                     | 9.00          |              |
|             |                   | 3       | 2422            |                     | 9.00          |              |
|             |                   | 6       | 2437            |                     | 9.00          |              |
|             |                   | 9       | 2452            |                     | 9.00          |              |

| Ant 4       |                     |         |                 |                     |               |              |
|-------------|---------------------|---------|-----------------|---------------------|---------------|--------------|
| 5GHz WLAN   | Mode                | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |
| 5.2GHz WLAN | 802.11a 6Mbps       | 36      | 5180            | Not Required        | 10.50         | 98.06        |
|             |                     | 40      | 5200            |                     | 10.50         |              |
|             |                     | 44      | 5220            |                     | 10.50         |              |
|             |                     | 48      | 5240            |                     | 10.50         |              |
|             | 802.11n-HT20 MCS0   | 36      | 5180            |                     | 10.50         | 98.19        |
|             |                     | 40      | 5200            |                     | 10.50         |              |
|             |                     | 44      | 5220            |                     | 10.50         |              |
|             |                     | 48      | 5240            |                     | 10.50         |              |
|             | 802.11n-HT40 MCS0   | 38      | 5190            |                     | 10.50         | 95.88        |
|             |                     | 46      | 5230            |                     | 10.50         |              |
|             | 802.11ac-VHT20 MCS0 | 36      | 5180            |                     | 10.50         | 97.94        |
|             |                     | 40      | 5200            |                     | 10.50         |              |
|             |                     | 44      | 5220            |                     | 10.50         |              |
|             |                     | 48      | 5240            |                     | 10.50         |              |
|             | 802.11ac-VHT40 MCS0 | 38      | 5190            |                     | 10.50         | 95.88        |
|             |                     | 46      | 5230            |                     | 10.50         |              |
|             | 802.11ac-VHT80 MCS0 | 42      | 5210            | 9.23                | 10.50         | 91.84        |

| Ant 4       |                     |         |                 |                     |               |              |
|-------------|---------------------|---------|-----------------|---------------------|---------------|--------------|
| 5GHz WLAN   | Mode                | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |
| 5.3GHz WLAN | 802.11a 6Mbps       | 52      | 5260            | Not Required        | 15.50         | 98.06        |
|             |                     | 56      | 5280            |                     | 15.50         |              |
|             |                     | 60      | 5300            |                     | 15.50         |              |
|             |                     | 64      | 5320            |                     | 15.50         |              |
|             | 802.11n-HT20 MCS0   | 52      | 5260            |                     | 15.50         | 98.19        |
|             |                     | 56      | 5280            |                     | 15.50         |              |
|             |                     | 60      | 5300            |                     | 15.50         |              |
|             |                     | 64      | 5320            |                     | 15.50         |              |
|             | 802.11n-HT40 MCS0   | 54      | 5270            |                     | 15.50         | 95.88        |
|             |                     | 62      | 5310            |                     | 15.50         |              |
|             | 802.11ac-VHT20 MCS0 | 52      | 5260            |                     | 15.50         | 97.94        |
|             |                     | 56      | 5280            |                     | 15.50         |              |
|             |                     | 60      | 5300            |                     | 15.50         |              |
|             |                     | 64      | 5320            |                     | 15.50         |              |
|             | 802.11ac-VHT40 MCS0 | 54      | 5270            |                     | 15.50         | 95.88        |
|             |                     | 62      | 5310            |                     | 15.50         |              |
|             | 802.11ac-VHT80 MCS0 | 58      | 5290            | 15.13               | 15.50         | 91.84        |

| Ant 4       |                   |         |                 |                     |               |              |
|-------------|-------------------|---------|-----------------|---------------------|---------------|--------------|
| 5GHz WLAN   | Mode              | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |
| 5.5GHz WLAN | 802.11a 6Mbps     | 100     | 5500            | Not Required        | 15.00         | 98.06        |
|             |                   | 116     | 5580            |                     | 15.00         |              |
|             |                   | 124     | 5620            |                     | 15.00         |              |
|             |                   | 132     | 5660            |                     | 15.00         |              |
|             |                   | 140     | 5700            |                     | 15.00         |              |
|             |                   | 144     | 5720            |                     | 15.00         |              |
|             | 802.11n-HT20 MCS0 | 100     | 5500            |                     | 15.00         | 98.19        |
|             |                   | 116     | 5580            |                     |               |              |



Power Table 7

| Ant 4       |                   |                 |                     |               |              |        |
|-------------|-------------------|-----------------|---------------------|---------------|--------------|--------|
| Mode        | Channel           | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |        |
| 2.4GHz WLAN | 802.11b 1Mbps     | 1               | 2412                | 8.72          | 9.00         | 100.00 |
|             |                   | 6               | 2437                | 8.67          | 9.00         |        |
|             |                   | 11              | 2462                | 8.65          | 9.00         |        |
|             | 802.11g 6Mbps     | 1               | 2412                |               | 9.00         | 98.06  |
|             |                   | 2               | 2417                |               | 9.00         |        |
|             |                   | 6               | 2437                |               | 9.00         |        |
|             |                   | 10              | 2457                |               | 9.00         |        |
|             |                   | 11              | 2462                |               | 9.00         |        |
|             | 802.11n-HT20 MCS0 | 1               | 2412                | Not Required  | 9.00         | 97.92  |
|             |                   | 2               | 2417                |               | 9.00         |        |
|             |                   | 6               | 2437                |               | 9.00         |        |
|             |                   | 10              | 2457                |               | 9.00         |        |
|             |                   | 11              | 2462                |               | 9.00         |        |
|             | 802.11n-HT40 MCS0 | 3               | 2422                |               | 9.00         | 93.33  |
|             |                   | 6               | 2437                |               | 9.00         |        |
|             |                   | 9               | 2452                |               | 9.00         |        |

Power Table 8

| Ant 4       |                   |                 |                     |               |              |        |
|-------------|-------------------|-----------------|---------------------|---------------|--------------|--------|
| Mode        | Channel           | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |        |
| 2.4GHz WLAN | 802.11b 1Mbps     | 1               | 2412                | 11.45         | 12.50        | 100.00 |
|             |                   | 6               | 2437                | 11.44         | 12.50        |        |
|             |                   | 11              | 2462                | 11.30         | 12.50        |        |
|             | 802.11g 6Mbps     | 1               | 2412                |               | 12.50        | 98.06  |
|             |                   | 2               | 2417                |               | 12.50        |        |
|             |                   | 6               | 2437                |               | 12.50        |        |
|             |                   | 10              | 2457                |               | 12.50        |        |
|             |                   | 11              | 2462                |               | 12.50        |        |
|             | 802.11n-HT20 MCS0 | 1               | 2412                | Not Required  | 12.50        | 97.92  |
|             |                   | 2               | 2417                |               | 12.50        |        |
|             |                   | 6               | 2437                |               | 12.50        |        |
|             |                   | 10              | 2457                |               | 12.50        |        |
|             |                   | 11              | 2462                |               | 12.50        |        |
|             | 802.11n-HT40 MCS0 | 3               | 2422                |               | 12.50        | 93.33  |
|             |                   | 6               | 2437                |               | 12.50        |        |
|             |                   | 9               | 2452                |               | 12.50        |        |

Power Table 9

| Ant 4       |                   |                 |                     |               |              |        |
|-------------|-------------------|-----------------|---------------------|---------------|--------------|--------|
| Mode        | Channel           | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |        |
| 2.4GHz WLAN | 802.11b 1Mbps     | 1               | 2412                | 17.76         | 18.00        | 100.00 |
|             |                   | 6               | 2437                | 17.67         | 18.00        |        |
|             |                   | 11              | 2462                | 17.47         | 18.00        |        |
|             | 802.11g 6Mbps     | 1               | 2412                |               | 15.50        | 98.06  |
|             |                   | 2               | 2417                |               | 18.00        |        |
|             |                   | 6               | 2437                |               | 18.00        |        |
|             |                   | 10              | 2457                |               | 18.00        |        |
|             |                   | 11              | 2462                |               | 14.50        |        |
|             | 802.11n-HT20 MCS0 | 1               | 2412                | Not Required  | 15.50        | 97.92  |
|             |                   | 2               | 2417                |               | 18.00        |        |
|             |                   | 6               | 2437                |               | 18.00        |        |
|             |                   | 10              | 2457                |               | 18.00        |        |
|             |                   | 11              | 2462                |               | 14.50        |        |
|             | 802.11n-HT40 MCS0 | 3               | 2422                |               | 15.50        | 93.33  |
|             |                   | 6               | 2437                |               | 15.50        |        |
|             |                   | 9               | 2452                |               | 13.00        |        |

| Ant 4       |                     |                 |                     |               |              |       |
|-------------|---------------------|-----------------|---------------------|---------------|--------------|-------|
| Mode        | Channel             | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |       |
| 5.2GHz WLAN | 802.11a 6Mbps       | 36              | 5180                |               | 15.50        | 98.06 |
|             |                     | 40              | 5200                |               | 15.50        |       |
|             |                     | 44              | 5220                |               | 15.50        |       |
|             |                     | 48              | 5240                |               | 15.50        |       |
|             | 802.11n-HT20 MCS0   | 36              | 5180                |               | 15.50        | 98.19 |
|             |                     | 40              | 5200                |               | 15.50        |       |
|             |                     | 44              | 5220                |               | 15.50        |       |
|             |                     | 48              | 5240                | Not Required  | 15.50        |       |
|             | 802.11n-HT40 MCS0   | 38              | 5190                |               | 15.50        | 95.88 |
|             |                     | 46              | 5230                |               | 15.50        |       |
|             | 802.11ac-VHT20 MCS0 | 36              | 5180                |               | 15.50        | 97.94 |
|             |                     | 40              | 5200                |               | 15.50        |       |
|             |                     | 44              | 5220                |               | 15.50        |       |
|             |                     | 48              | 5240                |               | 15.50        |       |
|             | 802.11ac-VHT40 MCS0 | 38              | 5190                |               | 15.50        | 95.88 |
|             |                     | 46              | 5230                |               | 15.50        |       |
|             | 802.11ac-VHT80 MCS0 | 42              | 5210                |               | 15.50        | 91.84 |

| Ant 4       |                     |                 |                     |               |              |       |
|-------------|---------------------|-----------------|---------------------|---------------|--------------|-------|
| Mode        | Channel             | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |       |
| 5.2GHz WLAN | 802.11a 6Mbps       | 36              | 5180                |               | 12.50        | 98.06 |
|             |                     | 40              | 5200                |               | 12.50        |       |
|             |                     | 44              | 5220                |               | 12.50        |       |
|             |                     | 48              | 5240                |               | 12.50        |       |
|             | 802.11n-HT20 MCS0   | 36              | 5180                |               | 12.50        | 98.19 |
|             |                     | 40              | 5200                |               | 12.50        |       |
|             |                     | 44              | 5220                |               | 12.50        |       |
|             |                     | 48              | 5240                | Not Required  | 12.50        |       |
|             | 802.11n-HT40 MCS0   | 38              | 5190                |               | 12.50        | 95.88 |
|             |                     | 46              | 5230                |               | 12.50        |       |
|             | 802.11ac-VHT20 MCS0 | 36              | 5180                |               | 12.50        | 97.94 |
|             |                     | 40              | 5200                |               | 12.50        |       |
|             |                     | 44              | 5220                |               | 12.50        |       |
|             |                     | 48              | 5240                |               | 12.50        |       |
|             | 802.11ac-VHT40 MCS0 | 38              | 5190                |               | 12.50        | 95.88 |
|             |                     | 46              | 5230                |               | 12.50        |       |
|             | 802.11ac-VHT80 MCS0 | 42              | 5210                | 11.40         | 12.50        | 91.84 |

| Ant 4       |                     |                 |                     |               |              |       |
|-------------|---------------------|-----------------|---------------------|---------------|--------------|-------|
| Mode        | Channel             | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |       |
| 5.2GHz WLAN | 802.11a 6Mbps       | 36              | 5180                | 16.80         | 17.00        | 98.06 |
|             |                     | 40              | 5200                | 16.40         | 17.00        |       |
|             |                     | 44              | 5220                | 16.60         | 17.00        |       |
|             |                     | 48              | 5240                | 16.20         | 17.00        |       |
|             | 802.11n-HT20 MCS0   | 36              | 5180                | 16.90         | 17.50        | 98.19 |
|             |                     | 40              | 5200                | 16.78         | 17.50        |       |
|             |                     | 44              | 5220                | 17.30         | 17.50        |       |
|             |                     | 48              | 5240                | 16.90         | 17.50        |       |
|             | 802.11n-HT40 MCS0   | 38              | 5190                | 13.40         | 14.00        | 95.88 |
|             |                     | 46              | 5230                | 17.86         | 18.50        |       |
|             | 802.11ac-VHT20 MCS0 | 36              | 5180                | 16.80         | 17.50        | 97.94 |
|             |                     | 40              | 5200                | 16.62         | 17.50        |       |
|             |                     | 44              | 5220                | 17.20         | 17.50        |       |
|             |                     | 48              | 5240                | 16.90         | 17.50        |       |
|             | 802.11ac-VHT40 MCS0 | 38              | 5190                | 13.60         | 14.00        | 95.88 |
|             |                     | 46              | 5230                | 17.91         | 18.50        |       |
|             | 802.11ac-VHT80 MCS0 | 42              | 5210                | 12.20         | 13.00        | 91.84 |

| Ant 4       |                     |                 |                     |               |              |       |
|-------------|---------------------|-----------------|---------------------|---------------|--------------|-------|
| Mode        | Channel             | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |       |
| 5.3GHz WLAN | 802.11a 6Mbps       | 52              | 5260                |               | 10.50        | 98.06 |
|             |                     | 56              | 5280                |               | 10.50        |       |
|             |                     | 60              | 5300                |               | 10.50        |       |
|             |                     | 64              | 5320                |               | 10.50        |       |
|             | 802.11n-HT20 MCS0   | 52              | 5260                |               | 10.50        | 98.19 |
|             |                     | 56              | 5280                |               | 10.50        |       |
|             |                     | 60              | 5300                |               | 10.50        |       |
|             |                     | 64              | 5320                | Not Required  | 10.50        |       |
|             | 802.11n-HT40 MCS0   | 54              | 5270                |               | 10.50        | 95.88 |
|             |                     | 62              | 5310                |               | 10.50        |       |
|             | 802.11ac-VHT20 MCS0 | 52              | 5260                |               | 10.50        | 97.94 |
|             |                     | 56              | 5280                |               | 10.50        |       |
|             |                     | 60              | 5300                |               | 10.50        |       |
|             |                     | 64              | 5320                |               | 10.50        |       |
|             | 802.11ac-VHT40 MCS0 | 54              | 5270                |               | 10.50        | 95.88 |
|             |                     | 62              | 5310                |               | 10.50        |       |
|             | 802.11ac-VHT80 MCS0 | 58              | 5290                | 10.36         | 10.50        | 91.84 |

| Ant 4       |                     |                 |                     |               |              |       |
|-------------|---------------------|-----------------|---------------------|---------------|--------------|-------|
| Mode        | Channel             | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |       |
| 5.3GHz WLAN | 802.11a 6Mbps       | 52              | 5260                |               | 12.00        | 98.06 |
|             |                     | 56              | 5280                |               | 12.00        |       |
|             |                     | 60              | 5300                |               | 12.00        |       |
|             |                     | 64              | 5320                |               | 12.00        |       |
|             | 802.11n-HT20 MCS0   | 52              | 5260                |               | 12.00        | 98.19 |
|             |                     | 56              | 5280                |               | 12.00        |       |
|             |                     | 60              | 5300                |               | 12.00        |       |
|             |                     | 64              | 5320                | Not Required  | 12.00        |       |
|             | 802.11n-HT40 MCS0   | 54              | 5270                |               | 12.00        | 95.88 |
|             |                     | 62              | 5310                |               | 12.00        |       |
|             | 802.11ac-VHT20 MCS0 | 52              | 5260                |               | 12.00        | 97.94 |
|             |                     | 56              | 5280                |               | 12.00        |       |
|             |                     | 60              | 5300                |               | 12.00        |       |
|             |                     | 64              | 5320                |               | 12.00        |       |
|             | 802.11ac-VHT40 MCS0 | 54              | 5270                |               | 12.00        | 95.88 |
|             |                     | 62              | 5310                |               | 12.00        |       |
|             | 802.11ac-VHT80 MCS0 | 58              | 5290                | 11.23         | 12.00        | 91.84 |

| Ant 4       |                     |                 |                     |               |              |       |
|-------------|---------------------|-----------------|---------------------|---------------|--------------|-------|
| Mode        | Channel             | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |       |
| 5.3GHz WLAN | 802.11a 6Mbps       | 52              | 5260                | 16.50         | 17.00        | 98.06 |
|             |                     | 56              | 5280                | 16.40         | 17.00        |       |
|             |                     | 60              | 5300                | 16.30         | 17.00        |       |
|             |                     | 64              | 5320                | 16.10         | 17.00        |       |
|             | 802.11n-HT20 MCS0   | 52              | 5260                | 16.60         | 17.50        | 98.19 |
|             |                     | 56              | 5280                | 16.48         | 17.50        |       |
|             |                     | 60              | 5300                | 16.90         | 17.50        |       |
|             |                     | 64              | 5320                | 16.60         | 17.50        |       |
|             | 802.11n-HT40 MCS0   | 54              | 5270                | 16.98         | 18.00        | 95.88 |
|             |                     | 62              | 5310                | 14.80         | 15.50        |       |
|             | 802.11ac-VHT20 MCS0 | 52              | 5260                | 16.90         | 17.50        | 97.94 |
|             |                     | 56              | 5280                | 16.72         | 17.50        |       |
|             |                     | 60              | 5300                | 16.90         | 17.50        |       |
|             |                     | 64              | 5320                | 16.60         | 17.50        |       |
|             | 802.11ac-VHT40 MCS0 | 54              | 5270                | 19.00         | 20.00        | 95.88 |
|             |                     | 62              | 5310                | 14.80         | 15.50        |       |
|             | 802.11ac-VHT80 MCS0 | 58              | 5290                | 14.20         | 15.00        | 91.84 |

| 5GHz WLAN           |                     | Ant 4   |                 |                     |               |              |
|---------------------|---------------------|---------|-----------------|---------------------|---------------|--------------|
|                     | Mode                | Channel | Frequency (MHz) | Average power (dbm) | Tune-Up Limit | Duty Cycle % |
| 5.5GHz WLAN         | 802.11a 6Mbps       | 100     | 5500            | Not Required        | 10.00         | 98.06        |
|                     |                     | 116     | 5580            |                     | 10.00         |              |
|                     |                     | 124     | 5620            |                     | 10.00         |              |
|                     |                     | 132     | 5660            |                     | 10.00         |              |
|                     |                     | 140     | 5700            |                     | 10.00         |              |
|                     |                     | 144     | 5720            |                     | 10.00         |              |
|                     | 802.11n-HT20 MCS9   | 100     | 5500            |                     | 10.00         | 98.19        |
|                     |                     | 116     | 5580            |                     | 10.00         |              |
|                     |                     | 124     | 5620            |                     | 10.00         |              |
|                     |                     | 132     | 5660            |                     | 10.00         |              |
|                     |                     | 140     | 5700            |                     | 10.00         |              |
|                     |                     | 144     | 5720            |                     | 10.00         |              |
|                     | 802.11n-HT40 MCS9   | 102     | 5510            |                     | 10.00         | 95.88        |
|                     |                     | 110     | 5550            |                     | 10.00         |              |
|                     |                     | 126     | 5630            |                     | 10.00         |              |
|                     |                     | 134     | 5670            |                     | 10.00         |              |
|                     |                     | 142     | 5710            |                     | 10.00         |              |
|                     |                     | 100     | 5500            |                     | 10.00         |              |
|                     | 802.11ac-VHT20 MCS9 | 116     | 5580            |                     | 10.00         | 97.94        |
|                     |                     | 124     | 5620            |                     | 10.00         |              |
|                     |                     | 132     | 5660            |                     | 10.00         |              |
|                     |                     | 140     | 5700            |                     | 10.00         |              |
|                     |                     | 144     | 5720            |                     | 10.00         |              |
|                     |                     | 102     | 5510            |                     | 10.00         |              |
| 802.11ac-VHT40 MCS9 | 110                 | 5550    | 10.00           | 95.88               |               |              |
|                     | 126                 | 5630    | 10.00           |                     |               |              |
|                     | 134                 | 5670    | 10.00           |                     |               |              |
|                     | 142                 | 5710    | 10.00           |                     |               |              |
|                     | 108                 | 5530    | 9.59            |                     | 91.84         |              |
|                     | 122                 | 5610    | 9.15            |                     |               |              |
| 138                 | 5690                | 9.14    |                 |                     |               |              |



Power Table 1/3/4/5

| Ant 3       |                   |         |                 |                     |               |              |
|-------------|-------------------|---------|-----------------|---------------------|---------------|--------------|
| 2.4GHz WLAN | Mode              | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |
| 2.4GHz WLAN | 802.11b 1Mbps     | 1       | 2412            | 20.70               | 21.00         | 100.00       |
|             |                   | 6       | 2437            | 20.70               | 21.00         |              |
|             |                   | 11      | 2462            | 19.80               | 21.00         |              |
|             | 802.11g 6Mbps     | 1       | 2412            | 15.10               | 15.50         | 98.06        |
|             |                   | 2       | 2417            | 17.50               | 16.00         |              |
|             |                   | 6       | 2437            | 19.90               | 20.00         |              |
|             |                   | 10      | 2457            | 17.70               | 18.00         |              |
|             |                   | 11      | 2462            | 14.10               | 14.50         |              |
|             | 802.11n-HT20 MCS0 | 1       | 2412            | 14.90               | 15.50         | 98.18        |
|             |                   | 2       | 2417            | 17.00               | 16.00         |              |
|             |                   | 6       | 2437            | 19.90               | 20.00         |              |
|             |                   | 10      | 2457            | 17.00               | 18.00         |              |
|             |                   | 11      | 2462            | 13.90               | 14.50         |              |
|             | 802.11n-HT40 MCS0 | 3       | 2422            | 15.20               | 15.50         | 94.90        |
|             |                   | 6       | 2437            | 14.20               | 15.50         |              |
|             |                   | 9       | 2452            | 12.20               | 13.00         |              |

Power Table 2

| Ant 3       |                   |         |                 |                     |               |              |
|-------------|-------------------|---------|-----------------|---------------------|---------------|--------------|
| 2.4GHz WLAN | Mode              | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |
| 2.4GHz WLAN | 802.11b 1Mbps     | 1       | 2412            | 8.96                | 9.00          | 100.00       |
|             |                   | 6       | 2437            | 8.80                | 9.00          |              |
|             |                   | 11      | 2462            | 8.49                | 9.00          |              |
|             | 802.11g 6Mbps     | 1       | 2412            | Not Required        | 9.00          | 98.06        |
|             |                   | 2       | 2417            |                     | 9.00          |              |
|             |                   | 6       | 2437            |                     | 9.00          |              |
|             |                   | 10      | 2457            |                     | 9.00          |              |
|             |                   | 11      | 2462            |                     | 9.00          |              |
|             | 802.11n-HT20 MCS0 | 1       | 2412            |                     | 9.00          | 98.18        |
|             |                   | 2       | 2417            |                     | 9.00          |              |
|             |                   | 6       | 2437            |                     | 9.00          |              |
|             |                   | 10      | 2457            |                     | 9.00          |              |
|             |                   | 11      | 2462            |                     | 9.00          |              |
|             | 802.11n-HT40 MCS0 | 3       | 2422            |                     | 9.00          | 94.90        |
|             |                   | 6       | 2437            |                     | 9.00          |              |
|             |                   | 9       | 2452            |                     | 9.00          |              |

Power Table 6

| Ant 3       |                   |         |                 |                     |               |              |
|-------------|-------------------|---------|-----------------|---------------------|---------------|--------------|
| 2.4GHz WLAN | Mode              | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |
| 2.4GHz WLAN | 802.11b 1Mbps     | 1       | 2412            | 14.75               | 15.00         | 100.00       |
|             |                   | 6       | 2437            | 14.69               | 15.00         |              |
|             |                   | 11      | 2462            | 14.82               | 15.00         |              |
|             | 802.11g 6Mbps     | 1       | 2412            | Not Required        | 15.00         | 98.06        |
|             |                   | 2       | 2417            |                     | 15.00         |              |
|             |                   | 6       | 2437            |                     | 15.00         |              |
|             |                   | 10      | 2457            |                     | 15.00         |              |
|             |                   | 11      | 2462            |                     | 15.00         |              |
|             | 802.11n-HT20 MCS0 | 1       | 2412            |                     | 15.00         | 98.18        |
|             |                   | 2       | 2417            |                     | 15.00         |              |
|             |                   | 6       | 2437            |                     | 15.00         |              |
|             |                   | 10      | 2457            |                     | 15.00         |              |
|             |                   | 11      | 2462            |                     | 15.00         |              |
|             | 802.11n-HT40 MCS0 | 3       | 2422            |                     | 15.00         | 94.90        |
|             |                   | 6       | 2437            |                     | 15.00         |              |
|             |                   | 9       | 2452            |                     | 15.00         |              |

| Ant 3       |                     |         |                 |                     |               |              |
|-------------|---------------------|---------|-----------------|---------------------|---------------|--------------|
| 5GHz WLAN   | Mode                | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |
| 5.2GHz WLAN | 802.11a 6Mbps       | 36      | 5180            | 16.50               | 17.00         | 97.09        |
|             |                     | 40      | 5200            | 16.40               | 17.00         |              |
|             |                     | 44      | 5220            | 16.60               | 17.00         |              |
|             |                     | 48      | 5240            | 16.40               | 17.00         |              |
|             | 802.11n-HT20 MCS0   | 36      | 5180            | 16.40               | 17.50         | 97.93        |
|             |                     | 40      | 5200            | 16.35               | 17.50         |              |
|             |                     | 44      | 5220            | 17.00               | 17.50         |              |
|             | 802.11n-HT40 MCS0   | 36      | 5180            | 13.40               | 14.00         | 95.85        |
|             |                     | 40      | 5200            | 19.40               | 20.00         |              |
|             |                     | 46      | 5230            | 19.40               | 20.00         |              |
|             | 802.11ac-VHT20 MCS0 | 36      | 5180            | 16.40               | 17.50         | 97.15        |
|             |                     | 40      | 5200            | 16.21               | 17.50         |              |
|             |                     | 44      | 5220            | 17.00               | 17.50         |              |
|             |                     | 48      | 5240            | 17.00               | 17.50         |              |
|             | 802.11ac-VHT40 MCS0 | 36      | 5190            | 13.40               | 14.00         | 96.41        |
|             |                     | 46      | 5230            | 19.30               | 20.00         |              |
|             | 802.11ac-VHT80 MCS0 | 42      | 5210            | 12.30               | 13.00         | 92.00        |

| Ant 3       |                     |         |                 |                     |               |              |
|-------------|---------------------|---------|-----------------|---------------------|---------------|--------------|
| 5GHz WLAN   | Mode                | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |
| 5.2GHz WLAN | 802.11a 6Mbps       | 36      | 5180            | Not Required        | 10.50         | 97.09        |
|             |                     | 40      | 5200            |                     | 10.50         |              |
|             |                     | 44      | 5220            |                     | 10.50         |              |
|             |                     | 48      | 5240            |                     | 10.50         |              |
|             | 802.11n-HT20 MCS0   | 36      | 5180            |                     | 10.50         | 97.93        |
|             |                     | 40      | 5200            |                     | 10.50         |              |
|             |                     | 44      | 5220            |                     | 10.50         |              |
|             | 802.11n-HT40 MCS0   | 36      | 5190            |                     | 10.50         | 95.85        |
|             |                     | 46      | 5230            |                     | 10.50         |              |
|             |                     | 46      | 5230            |                     | 10.50         |              |
|             | 802.11ac-VHT20 MCS0 | 36      | 5180            |                     | 10.50         | 97.15        |
|             |                     | 40      | 5200            |                     | 10.50         |              |
|             |                     | 44      | 5220            |                     | 10.50         |              |
|             |                     | 48      | 5240            |                     | 10.50         |              |
|             | 802.11ac-VHT40 MCS0 | 38      | 5190            |                     | 10.50         | 96.41        |
|             |                     | 48      | 5230            |                     | 10.50         |              |
|             | 802.11ac-VHT80 MCS0 | 42      | 5210            | 9.89                | 10.50         | 92.00        |

| Ant 3       |                     |         |                 |                     |               |              |
|-------------|---------------------|---------|-----------------|---------------------|---------------|--------------|
| 5GHz WLAN   | Mode                | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |
| 5.2GHz WLAN | 802.11a 6Mbps       | 36      | 5180            | Not Required        | 15.50         | 97.09        |
|             |                     | 40      | 5200            |                     | 15.50         |              |
|             |                     | 44      | 5220            |                     | 15.50         |              |
|             |                     | 48      | 5240            |                     | 15.50         |              |
|             | 802.11n-HT20 MCS0   | 36      | 5180            |                     | 15.50         | 97.93        |
|             |                     | 40      | 5200            |                     | 15.50         |              |
|             |                     | 44      | 5220            |                     | 15.50         |              |
|             | 802.11n-HT40 MCS0   | 36      | 5180            |                     | 15.50         | 95.85        |
|             |                     | 46      | 5230            |                     | 15.50         |              |
|             |                     | 46      | 5230            |                     | 15.50         |              |
|             | 802.11ac-VHT20 MCS0 | 36      | 5180            |                     | 15.50         | 97.15        |
|             |                     | 40      | 5200            |                     | 15.50         |              |
|             |                     | 44      | 5220            |                     | 15.50         |              |
|             |                     | 48      | 5240            |                     | 15.50         |              |
|             | 802.11ac-VHT40 MCS0 | 38      | 5190            |                     | 15.50         | 96.41        |
|             |                     | 46      | 5230            |                     | 15.50         |              |
|             | 802.11ac-VHT80 MCS0 | 42      | 5210            |                     | 15.50         | 92.00        |

| Ant 3       |                     |         |                 |                     |               |              |
|-------------|---------------------|---------|-----------------|---------------------|---------------|--------------|
| 5GHz WLAN   | Mode                | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |
| 5.3GHz WLAN | 802.11a 6Mbps       | 52      | 5260            | 16.80               | 17.00         | 97.09        |
|             |                     | 56      | 5280            | 16.70               | 17.00         |              |
|             |                     | 60      | 5300            | 16.60               | 17.00         |              |
|             |                     | 64      | 5320            | 16.40               | 17.00         |              |
|             | 802.11n-HT20 MCS0   | 52      | 5260            | 16.90               | 17.50         | 97.93        |
|             |                     | 56      | 5280            | 19.62               | 17.50         |              |
|             |                     | 60      | 5300            | 17.30               | 17.50         |              |
|             | 802.11n-HT40 MCS0   | 54      | 5270            | 19.20               | 20.00         | 95.85        |
|             |                     | 62      | 5310            | 14.90               | 15.50         |              |
|             |                     | 62      | 5310            | 14.90               | 15.50         |              |
|             | 802.11ac-VHT20 MCS0 | 52      | 5260            | 16.80               | 17.50         | 97.15        |
|             |                     | 56      | 5280            | 16.72               | 17.50         |              |
|             |                     | 60      | 5300            | 17.20               | 17.50         |              |
|             |                     | 64      | 5320            | 16.90               | 17.50         |              |
|             | 802.11ac-VHT40 MCS0 | 54      | 5270            | 19.70               | 20.00         | 96.41        |
|             |                     | 62      | 5310            | 14.90               | 15.50         |              |
|             | 802.11ac-VHT80 MCS0 | 58      | 5290            | 14.50               | 15.00         | 92.00        |

| Ant 3       |                     |         |                 |                     |               |              |
|-------------|---------------------|---------|-----------------|---------------------|---------------|--------------|
| 5GHz WLAN   | Mode                | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |
| 5.3GHz WLAN | 802.11a 6Mbps       | 52      | 5260            | Not Required        | 15.50         | 97.09        |
|             |                     | 56      | 5280            |                     | 15.50         |              |
|             |                     | 60      | 5300            |                     | 15.50         |              |
|             |                     | 64      | 5320            |                     | 15.50         |              |
|             | 802.11n-HT20 MCS0   | 52      | 5260            |                     | 15.50         | 97.93        |
|             |                     | 56      | 5280            |                     | 15.50         |              |
|             |                     | 60      | 5300            |                     | 15.50         |              |
|             | 802.11n-HT40 MCS0   | 54      | 5270            |                     | 15.50         | 95.85        |
|             |                     | 62      | 5310            |                     | 15.50         |              |
|             |                     | 62      | 5310            |                     | 15.50         |              |
|             | 802.11ac-VHT20 MCS0 | 52      | 5260            |                     | 15.50         | 97.15        |
|             |                     | 56      | 5280            |                     | 15.50         |              |
|             |                     | 60      | 5300            |                     | 15.50         |              |
|             |                     | 64      | 5320            |                     | 15.50         |              |
|             | 802.11ac-VHT40 MCS0 | 54      | 5270            |                     | 15.50         | 96.41        |
|             |                     | 62      | 5310            |                     | 15.50         |              |
|             | 802.11ac-VHT80 MCS0 | 58      | 5290            | 14.89               | 15.50         | 92.00        |

| 5GHz WLAN           |                     | Ant 3   |                 |                     |               |              |
|---------------------|---------------------|---------|-----------------|---------------------|---------------|--------------|
|                     | Mode                | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |
| 5.5GHz WLAN         | 802.11a 6Mbps       | 100     | 5500            | 16.50               | 17.50         | 97.09        |
|                     |                     | 116     | 5580            | 16.50               | 17.50         |              |
|                     |                     | 124     | 5620            | 16.40               | 17.50         |              |
|                     |                     | 132     | 5660            | 16.70               | 17.50         |              |
|                     |                     | 140     | 5700            | 16.60               | 17.50         |              |
|                     |                     | 144     | 5720            | 16.80               | 17.50         |              |
|                     | 802.11n-HT20 MCS0   | 100     | 5500            | 17.20               | 17.50         | 97.93        |
|                     |                     | 116     | 5580            | 17.40               | 17.50         |              |
|                     |                     | 124     | 5620            | 17.38               | 17.50         |              |
|                     |                     | 132     | 5660            | 17.15               | 17.50         |              |
|                     |                     | 140     | 5700            | 17.40               | 17.50         |              |
|                     |                     | 144     | 5720            | 17.40               | 17.50         |              |
|                     | 802.11n-HT40 MCS0   | 102     | 5510            | 16.90               | 18.00         | 95.85        |
|                     |                     | 110     | 5550            | 19.50               | 20.00         |              |
|                     |                     | 126     | 5630            | 19.63               | 20.00         |              |
|                     |                     | 134     | 5670            | 19.20               | 20.00         |              |
|                     |                     | 142     | 5710            | 19.20               | 20.00         |              |
|                     |                     | 100     | 5500            | 17.20               | 17.50         |              |
|                     | 802.11ac-VHT20 MCS0 | 116     | 5580            | 17.30               | 17.50         | 97.15        |
|                     |                     | 124     | 5620            | 17.15               | 17.50         |              |
|                     |                     | 132     | 5660            | 17.09               | 17.50         |              |
|                     |                     | 140     | 5700            | 17.30               | 17.50         |              |
|                     |                     | 144     | 5720            | 17.30               | 17.50         |              |
|                     |                     | 102     | 5510            | 17.20               | 18.00         |              |
| 802.11ac-VHT40 MCS0 | 110                 | 5550    | 19.30           | 20.00               | 96.41         |              |
|                     | 126                 | 5630    | 19.23           | 20.00               |               |              |
|                     | 134                 | 5670    | 19.80           | 20.00               |               |              |
|                     | 142                 | 5710    | 19.70           | 20.00               |               |              |
|                     | 106                 | 5530    | 16.30           | 17.00               |               | 92.00        |
|                     | 122                 | 5610    | 19.00           | 19.50               |               |              |
| 138                 | 5690                | 19.10   | 19.50           |                     |               |              |



Power Table 7

| Ant 3       |                   |         |                 |                     |               |              |
|-------------|-------------------|---------|-----------------|---------------------|---------------|--------------|
| 2.4GHz WLAN | Mode              | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |
| 2.4GHz WLAN | 802.11b 1Mbps     | 1       | 2412            | 8.86                | 9.00          | 100.00       |
|             |                   | 6       | 2437            | 8.80                | 9.00          |              |
|             |                   | 11      | 2462            | 8.49                | 9.00          |              |
|             | 802.11g 6Mbps     | 1       | 2412            | Not Required        | 9.00          | 98.06        |
|             |                   | 2       | 2417            |                     | 9.00          |              |
|             |                   | 6       | 2437            |                     | 9.00          |              |
|             |                   | 10      | 2457            |                     | 9.00          |              |
|             |                   | 11      | 2462            |                     | 9.00          |              |
|             | 802.11n-HT20 MCS0 | 1       | 2412            |                     | 9.00          | 98.18        |
|             |                   | 2       | 2417            |                     | 9.00          |              |
|             |                   | 6       | 2437            |                     | 9.00          |              |
|             |                   | 10      | 2457            |                     | 9.00          |              |
|             | 802.11n-HT40 MCS0 | 11      | 2462            |                     | 9.00          | 94.90        |
|             |                   | 3       | 2422            |                     | 9.00          |              |
|             |                   | 8       | 2437            |                     | 9.00          |              |
|             |                   | 9       | 2452            |                     | 9.00          |              |

Power Table 8

| Ant 3       |                   |         |                 |                     |               |              |
|-------------|-------------------|---------|-----------------|---------------------|---------------|--------------|
| 2.4GHz WLAN | Mode              | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |
| 2.4GHz WLAN | 802.11b 1Mbps     | 1       | 2412            | 12.13               | 12.50         | 100.00       |
|             |                   | 6       | 2437            | 12.03               | 12.50         |              |
|             |                   | 11      | 2462            | 11.71               | 12.50         |              |
|             | 802.11g 6Mbps     | 1       | 2412            | Not Required        | 12.50         | 98.06        |
|             |                   | 2       | 2417            |                     | 12.50         |              |
|             |                   | 6       | 2437            |                     | 12.50         |              |
|             |                   | 10      | 2457            |                     | 12.50         |              |
|             |                   | 11      | 2462            |                     | 12.50         |              |
|             | 802.11n-HT20 MCS0 | 1       | 2412            |                     | 12.50         | 98.18        |
|             |                   | 2       | 2417            |                     | 12.50         |              |
|             |                   | 6       | 2437            |                     | 12.50         |              |
|             |                   | 10      | 2457            |                     | 12.50         |              |
|             | 802.11n-HT40 MCS0 | 11      | 2462            |                     | 12.50         | 94.90        |
|             |                   | 3       | 2422            |                     | 12.50         |              |
|             |                   | 8       | 2437            |                     | 12.50         |              |
|             |                   | 9       | 2452            |                     | 12.50         |              |

Power Table 9

| Ant 3       |                   |         |                 |                     |               |              |
|-------------|-------------------|---------|-----------------|---------------------|---------------|--------------|
| 2.4GHz WLAN | Mode              | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |
| 2.4GHz WLAN | 802.11b 1Mbps     | 1       | 2412            | 17.82               | 18.00         | 100.00       |
|             |                   | 6       | 2437            | 17.72               | 18.00         |              |
|             |                   | 11      | 2462            | 17.78               | 18.00         |              |
|             | 802.11g 6Mbps     | 1       | 2412            | Not Required        | 15.50         | 98.06        |
|             |                   | 2       | 2417            |                     | 16.00         |              |
|             |                   | 6       | 2437            |                     | 18.00         |              |
|             |                   | 10      | 2457            |                     | 18.00         |              |
|             |                   | 11      | 2462            |                     | 14.50         |              |
|             | 802.11n-HT20 MCS0 | 1       | 2412            |                     | 15.50         | 98.18        |
|             |                   | 2       | 2417            |                     | 16.00         |              |
|             |                   | 6       | 2437            |                     | 18.00         |              |
|             |                   | 10      | 2457            |                     | 18.00         |              |
|             | 802.11n-HT40 MCS0 | 11      | 2462            |                     | 14.50         | 94.90        |
|             |                   | 3       | 2422            |                     | 15.50         |              |
|             |                   | 8       | 2437            |                     | 15.50         |              |
|             |                   | 9       | 2452            |                     | 13.00         |              |

| Ant 3       |                     |         |                 |                     |               |              |
|-------------|---------------------|---------|-----------------|---------------------|---------------|--------------|
| 5GHz WLAN   | Mode                | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |
| 5.2GHz WLAN | 802.11a 6Mbps       | 36      | 5180            | Not Required        | 15.50         | 97.09        |
|             |                     | 40      | 5200            |                     | 15.50         |              |
|             |                     | 44      | 5220            |                     | 15.50         |              |
|             |                     | 48      | 5240            |                     | 15.50         |              |
|             | 802.11n-HT20 MCS0   | 36      | 5180            |                     | 15.50         | 97.93        |
|             |                     | 40      | 5200            |                     | 15.50         |              |
|             | 802.11n-HT40 MCS0   | 44      | 5220            |                     | 15.50         | 95.85        |
|             |                     | 48      | 5240            |                     | 15.50         |              |
|             | 802.11ac-VHT20 MCS0 | 38      | 5190            |                     | 15.50         | 97.15        |
|             |                     | 46      | 5230            |                     | 15.50         |              |
|             |                     | 36      | 5180            |                     | 15.50         |              |
|             | 802.11ac-VHT40 MCS0 | 40      | 5200            |                     | 15.50         | 96.41        |
|             |                     | 44      | 5220            |                     | 15.50         |              |
|             |                     | 48      | 5240            |                     | 15.50         |              |
|             | 802.11ac-VHT80 MCS0 | 38      | 5190            |                     | 15.50         | 92.00        |
|             |                     | 46      | 5230            |                     | 15.50         |              |
|             |                     | 42      | 5210            |                     | 15.50         |              |

| Ant 3       |                     |         |                 |                     |               |              |
|-------------|---------------------|---------|-----------------|---------------------|---------------|--------------|
| 5GHz WLAN   | Mode                | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |
| 5.2GHz WLAN | 802.11a 6Mbps       | 36      | 5180            | Not Required        | 12.50         | 97.09        |
|             |                     | 40      | 5200            |                     | 12.50         |              |
|             |                     | 44      | 5220            |                     | 12.50         |              |
|             |                     | 48      | 5240            |                     | 12.50         |              |
|             | 802.11n-HT20 MCS0   | 36      | 5180            |                     | 12.50         | 97.93        |
|             |                     | 40      | 5200            |                     | 12.50         |              |
|             | 802.11n-HT40 MCS0   | 44      | 5220            |                     | 12.50         | 95.85        |
|             |                     | 48      | 5240            |                     | 12.50         |              |
|             | 802.11ac-VHT20 MCS0 | 38      | 5190            |                     | 12.50         | 97.15        |
|             |                     | 46      | 5230            |                     | 12.50         |              |
|             |                     | 36      | 5180            |                     | 12.50         |              |
|             | 802.11ac-VHT40 MCS0 | 40      | 5200            |                     | 12.50         | 96.41        |
|             |                     | 44      | 5220            |                     | 12.50         |              |
|             |                     | 48      | 5240            |                     | 12.50         |              |
|             | 802.11ac-VHT80 MCS0 | 38      | 5190            |                     | 12.50         | 92.00        |
|             |                     | 46      | 5230            |                     | 12.50         |              |
|             |                     | 42      | 5210            | 11.82               | 12.50         |              |

| Ant 3       |                     |         |                 |                     |               |              |
|-------------|---------------------|---------|-----------------|---------------------|---------------|--------------|
| 5GHz WLAN   | Mode                | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |
| 5.2GHz WLAN | 802.11a 6Mbps       | 36      | 5180            | 16.50               | 17.00         | 97.09        |
|             |                     | 40      | 5200            | 16.40               | 17.00         |              |
|             |                     | 44      | 5220            | 16.60               | 17.00         |              |
|             |                     | 48      | 5240            | 16.40               | 17.00         |              |
|             | 802.11n-HT20 MCS0   | 36      | 5180            | 16.40               | 17.50         | 97.93        |
|             |                     | 40      | 5200            | 16.35               | 17.50         |              |
|             | 802.11n-HT40 MCS0   | 44      | 5220            | 17.00               | 17.50         | 95.85        |
|             |                     | 48      | 5240            | 17.10               | 17.50         |              |
|             | 802.11ac-VHT20 MCS0 | 38      | 5190            | 13.40               | 14.00         | 97.15        |
|             |                     | 46      | 5230            | 17.90               | 18.50         |              |
|             |                     | 36      | 5180            | 16.40               | 17.50         |              |
|             | 802.11ac-VHT40 MCS0 | 40      | 5200            | 16.21               | 17.50         | 96.41        |
|             |                     | 44      | 5220            | 17.00               | 17.50         |              |
|             |                     | 48      | 5240            | 17.00               | 17.50         |              |
|             | 802.11ac-VHT80 MCS0 | 38      | 5190            | 13.40               | 14.00         | 92.00        |
|             |                     | 46      | 5230            | 17.91               | 18.50         |              |
|             |                     | 42      | 5210            | 12.30               | 13.00         |              |

| Ant 3       |                     |         |                 |                     |               |              |
|-------------|---------------------|---------|-----------------|---------------------|---------------|--------------|
| 5GHz WLAN   | Mode                | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |
| 5.3GHz WLAN | 802.11a 6Mbps       | 52      | 5280            | Not Required        | 10.50         | 97.09        |
|             |                     | 56      | 5280            |                     | 10.50         |              |
|             |                     | 60      | 5300            |                     | 10.50         |              |
|             |                     | 64      | 5320            |                     | 10.50         |              |
|             | 802.11n-HT20 MCS0   | 52      | 5280            |                     | 10.50         | 97.93        |
|             |                     | 56      | 5280            |                     | 10.50         |              |
|             | 802.11n-HT40 MCS0   | 60      | 5300            |                     | 10.50         | 95.85        |
|             |                     | 64      | 5320            |                     | 10.50         |              |
|             | 802.11ac-VHT20 MCS0 | 54      | 5270            |                     | 10.50         | 97.15        |
|             |                     | 62      | 5310            |                     | 10.50         |              |
|             |                     | 52      | 5280            |                     | 10.50         |              |
|             | 802.11ac-VHT40 MCS0 | 56      | 5280            |                     | 10.50         | 96.41        |
|             |                     | 60      | 5300            |                     | 10.50         |              |
|             |                     | 64      | 5320            |                     | 10.50         |              |
|             | 802.11ac-VHT80 MCS0 | 54      | 5270            |                     | 10.50         | 92.00        |
|             |                     | 62      | 5310            |                     | 10.50         |              |
|             |                     | 58      | 5290            | 9.50                | 10.50         |              |

| Ant 3       |                     |         |                 |                     |               |              |
|-------------|---------------------|---------|-----------------|---------------------|---------------|--------------|
| 5GHz WLAN   | Mode                | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |
| 5.3GHz WLAN | 802.11a 6Mbps       | 52      | 5280            | Not Required        | 12.00         | 97.09        |
|             |                     | 56      | 5280            |                     | 12.00         |              |
|             |                     | 60      | 5300            |                     | 12.00         |              |
|             |                     | 64      | 5320            |                     | 12.00         |              |
|             | 802.11n-HT20 MCS0   | 52      | 5280            |                     | 12.00         | 97.93        |
|             |                     | 56      | 5280            |                     | 12.00         |              |
|             | 802.11n-HT40 MCS0   | 60      | 5300            |                     | 12.00         | 95.85        |
|             |                     | 64      | 5320            |                     | 12.00         |              |
|             | 802.11ac-VHT20 MCS0 | 54      | 5270            |                     | 12.00         | 97.15        |
|             |                     | 62      | 5310            |                     | 12.00         |              |
|             |                     | 52      | 5280            |                     | 12.00         |              |
|             | 802.11ac-VHT40 MCS0 | 56      | 5280            |                     | 12.00         | 96.41        |
|             |                     | 60      | 5300            |                     | 12.00         |              |
|             |                     | 64      | 5320            |                     | 12.00         |              |
|             | 802.11ac-VHT80 MCS0 | 54      | 5270            |                     | 12.00         | 92.00        |
|             |                     | 62      | 5310            |                     | 12.00         |              |
|             |                     | 58      | 5290            | 11.51               | 12.00         |              |

| 5GHz WLAN           |                     | Ant 3   |                 |                     |               |              |       |
|---------------------|---------------------|---------|-----------------|---------------------|---------------|--------------|-------|
| 5.3GHz WLAN         | Mode                | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |       |
|                     | 802.11a 6Mbps       | 52      | 5280            | Not Required        | 17.00         | 97.09        |       |
|                     |                     | 56      | 5280            |                     | 17.00         |              |       |
|                     |                     | 60      | 5300            |                     | 17.00         |              |       |
|                     |                     | 64      | 5320            |                     | 17.00         |              |       |
|                     | 802.11n-HT20 MCS0   | 52      | 5280            |                     | 17.50         | 97.93        |       |
|                     |                     | 56      | 5280            |                     | 17.50         |              |       |
|                     |                     | 60      | 5300            |                     | 17.50         |              |       |
|                     |                     | 64      | 5320            |                     | 17.50         |              |       |
|                     | 802.11n-HT40 MCS0   | 54      | 5270            |                     | 17.12         | 18.00        | 95.85 |
|                     |                     | 62      | 5310            |                     | 15.50         |              |       |
|                     | 802.11ac-VHT20 MCS0 | 52      | 5280            |                     | Not Required  | 17.50        | 97.15 |
|                     |                     | 56      | 5280            |                     |               | 17.50        |       |
|                     |                     | 60      | 5300            |                     |               | 17.50        |       |
|                     |                     | 64      | 5320            |                     |               | 17.50        |       |
|                     | 802.11ac-VHT40 MCS0 | 54      | 5270            |                     |               | 18.00        | 96.41 |
| 62                  |                     | 5310    | 15.50           |                     |               |              |       |
| 802.11ac-VHT80 MCS0 | 56                  | 5290    | 15.00           | 92.00               |               |              |       |



| Power Table 1/3/4/5 |                   |         |                 |                     |               |              |
|---------------------|-------------------|---------|-----------------|---------------------|---------------|--------------|
| 2.4GHz WLAN         | Ant 3+4           |         |                 |                     |               |              |
| 2.4GHz WLAN         | Mode              | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |
|                     | 802.11b 1Mbps     | 1       | 2412            | 23.78               | 24.00         | 100.00       |
|                     |                   | 6       | 2437            | 23.88               | 24.00         |              |
|                     |                   | 11      | 2462            | 23.01               | 24.00         |              |
|                     | 802.11g 6Mbps     | 1       | 2412            | 18.20               | 18.50         | 97.58        |
|                     |                   | 2       | 2417            | 20.61               | 21.00         |              |
|                     |                   | 6       | 2437            | 22.95               | 23.00         |              |
|                     |                   | 10      | 2457            | 20.86               | 21.00         |              |
|                     |                   | 11      | 2462            | 17.14               | 17.50         |              |
|                     | 802.11n-HT20 MCS0 | 1       | 2412            | 17.98               | 18.50         | 98.19        |
|                     |                   | 2       | 2417            | 20.12               | 21.00         |              |
|                     |                   | 6       | 2437            | 22.94               | 23.00         |              |
|                     |                   | 10      | 2457            | 20.11               | 21.00         |              |
|                     |                   | 11      | 2462            | 16.93               | 17.50         |              |
|                     | 802.11n-HT40 MCS0 | 3       | 2422            | 18.37               | 18.50         | 93.91        |
|                     |                   | 6       | 2437            | 17.25               | 18.50         |              |
|                     |                   | 9       | 2452            | 15.23               | 16.00         |              |

| 5GHz WLAN   | Ant 3+4             |         |                 |                     |               |              |
|-------------|---------------------|---------|-----------------|---------------------|---------------|--------------|
| 5.2GHz WLAN | Mode                | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |
|             | 802.11a 6Mbps       | 36      | 5180            | 19.86               | 20.00         | 97.35        |
|             |                     | 40      | 5200            | 19.41               | 20.00         |              |
|             |                     | 44      | 5220            | 19.61               | 20.00         |              |
|             |                     | 48      | 5240            | 19.41               | 20.00         |              |
|             | 802.11n-HT20 MCS0   | 36      | 5180            | 19.67               | 20.50         | 97.93        |
|             |                     | 40      | 5200            | 19.92               | 20.50         |              |
|             |                     | 44      | 5220            | 20.16               | 20.50         |              |
|             |                     | 48      | 5240            | 20.01               | 20.50         |              |
|             | 802.11n-HT40 MCS0   | 38      | 5190            | 16.56               | 17.00         | 95.85        |
|             |                     | 46      | 5230            | 22.56               | 23.00         |              |
|             |                     | 36      | 5180            | 19.61               | 20.50         |              |
|             | 802.11ac-VHT20 MCS0 | 40      | 5200            | 19.76               | 20.50         | 97.15        |
|             |                     | 44      | 5220            | 20.11               | 20.50         |              |
|             |                     | 48      | 5240            | 19.96               | 20.50         |              |
|             | 802.11ac-VHT40 MCS0 | 38      | 5190            | 16.51               | 17.00         | 95.88        |
|             |                     | 46      | 5230            | 22.41               | 23.00         |              |
|             | 802.11ac-VHT80 MCS0 | 42      | 5210            | 15.26               | 16.00         | 91.84        |

| 5GHz WLAN   | Ant 3+4             |         |                 |                     |               |              |
|-------------|---------------------|---------|-----------------|---------------------|---------------|--------------|
| 5.3GHz WLAN | Mode                | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |
|             | 802.11a 6Mbps       | 52      | 5260            | 19.81               | 20.00         | 97.35        |
|             |                     | 56      | 5280            | 19.77               | 20.00         |              |
|             |                     | 60      | 5300            | 19.67               | 20.00         |              |
|             |                     | 64      | 5320            | 19.41               | 20.00         |              |
|             | 802.11n-HT20 MCS0   | 52      | 5260            | 19.76               | 20.50         | 97.93        |
|             |                     | 56      | 5280            | 19.71               | 20.50         |              |
|             |                     | 60      | 5300            | 20.11               | 20.50         |              |
|             |                     | 64      | 5320            | 19.81               | 20.50         |              |
|             | 802.11n-HT40 MCS0   | 54      | 5270            | 22.52               | 23.00         | 95.85        |
|             |                     | 62      | 5310            | 17.91               | 18.50         |              |
|             | 802.11ac-VHT20 MCS0 | 52      | 5260            | 19.71               | 20.50         | 97.15        |
|             |                     | 56      | 5280            | 19.67               | 20.50         |              |
|             |                     | 60      | 5300            | 20.06               | 20.50         |              |
|             |                     | 64      | 5320            | 19.76               | 20.50         |              |
|             | 802.11ac-VHT40 MCS0 | 54      | 5270            | 22.37               | 23.00         | 95.88        |
|             |                     | 62      | 5310            | 17.86               | 18.50         |              |
|             | 802.11ac-VHT80 MCS0 | 68      | 5290            | 17.36               | 18.00         | 91.84        |

| 5GHz WLAN   | Ant 3+4             |         |                 |                     |               |              |
|-------------|---------------------|---------|-----------------|---------------------|---------------|--------------|
| 5.5GHz WLAN | Mode                | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |
|             | 802.11a 6Mbps       | 100     | 5500            | 19.61               | 20.50         | 97.35        |
|             |                     | 116     | 5580            | 19.53               | 20.50         |              |
|             |                     | 124     | 5620            | 19.60               | 20.50         |              |
|             |                     | 132     | 5660            | 19.84               | 20.50         |              |
|             |                     | 140     | 5700            | 19.90               | 20.50         |              |
|             |                     | 144     | 5720            | 19.84               | 20.50         |              |
|             | 802.11n-HT20 MCS0   | 100     | 5500            | 20.06               | 20.50         | 97.93        |
|             |                     | 116     | 5580            | 19.90               | 20.50         |              |
|             |                     | 124     | 5620            | 20.00               | 20.50         |              |
|             |                     | 132     | 5660            | 19.84               | 20.50         |              |
|             |                     | 140     | 5700            | 19.90               | 20.50         |              |
|             |                     | 144     | 5720            | 19.90               | 20.50         |              |
|             | 802.11n-HT40 MCS0   | 102     | 5510            | 20.16               | 21.00         | 95.85        |
|             |                     | 110     | 5550            | 22.57               | 23.00         |              |
|             |                     | 126     | 5630            | 22.28               | 23.00         |              |
|             |                     | 134     | 5670            | 22.57               | 23.00         |              |
|             |                     | 142     | 5710            | 22.53               | 23.00         |              |
|             |                     | 100     | 5500            | 20.01               | 20.50         |              |
|             | 802.11ac-VHT20 MCS0 | 116     | 5580            | 19.84               | 20.50         | 97.15        |
|             |                     | 124     | 5620            | 19.90               | 20.50         |              |
|             |                     | 132     | 5660            | 19.78               | 20.50         |              |
|             |                     | 140     | 5700            | 19.80               | 20.50         |              |
|             |                     | 144     | 5720            | 19.84               | 20.50         |              |
|             |                     | 102     | 5510            | 20.16               | 21.00         |              |
|             | 802.11ac-VHT40 MCS0 | 110     | 5550            | 22.21               | 23.00         | 95.88        |
|             |                     | 126     | 5630            | 22.38               | 23.00         |              |
|             |                     | 134     | 5670            | 22.43               | 23.00         |              |
|             |                     | 142     | 5710            | 22.37               | 23.00         |              |
|             | 802.11ac-VHT80 MCS0 | 106     | 5530            | 19.31               | 20.50         | 91.84        |
|             |                     | 122     | 5610            | 21.58               | 22.50         |              |
|             |                     | 138     | 5690            | 21.68               | 22.50         |              |

| 5GHz WLAN   | Ant 3+4             |         |                 |                     |               |              |
|-------------|---------------------|---------|-----------------|---------------------|---------------|--------------|
| 5.8GHz WLAN | Mode                | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |
|             | 802.11a 6Mbps       | 149     | 5745            | 23.35               | 24.00         | 97.35        |
|             |                     | 157     | 5785            | 23.38               | 24.00         |              |
|             |                     | 165     | 5825            | 23.34               | 24.00         |              |
|             | 802.11n-HT20 MCS0   | 149     | 5745            | 22.91               | 23.00         | 97.93        |
|             |                     | 157     | 5785            | 22.88               | 23.00         |              |
|             |                     | 165     | 5825            | 22.70               | 23.00         |              |
|             | 802.11n-HT40 MCS0   | 151     | 5755            | 22.60               | 23.00         | 95.85        |
|             |                     | 159     | 5795            | 22.63               | 23.00         |              |
|             | 802.11ac-VHT20 MCS0 | 149     | 5745            | 22.95               | 23.00         | 97.15        |
|             |                     | 157     | 5785            | 22.94               | 23.00         |              |
|             |                     | 165     | 5825            | 22.70               | 23.00         |              |
|             | 802.11ac-VHT40 MCS0 | 151     | 5755            | 22.18               | 23.00         | 95.88        |
|             |                     | 159     | 5795            | 22.24               | 23.00         |              |
|             | 802.11ac-VHT80 MCS0 | 155     | 5775            | 21.94               | 23.00         | 91.84        |

| 2.4GHz WLAN | Ant 3+4           |         |                 |                     |               |              |
|-------------|-------------------|---------|-----------------|---------------------|---------------|--------------|
| 2.4GHz WLAN | Mode              | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |
|             | 802.11b 1Mbps     | 1       | 2412            | 11.25               | 12.00         | 100.00       |
|             |                   | 6       | 2437            | 11.43               | 12.00         |              |
|             |                   | 11      | 2462            | 11.76               | 12.00         |              |
|             | 802.11g 6Mbps     | 1       | 2412            |                     | 12.00         | 97.58        |
|             |                   | 2       | 2417            |                     | 12.00         |              |
|             |                   | 6       | 2437            |                     | 12.00         |              |
|             |                   | 10      | 2457            |                     | 12.00         |              |
|             |                   | 11      | 2462            |                     | 12.00         |              |
|             | 802.11n-HT20 MCS0 | 1       | 2412            |                     | 12.00         | 98.19        |
|             |                   | 2       | 2417            | Not Required        | 12.00         |              |
|             |                   | 6       | 2437            |                     | 12.00         |              |
|             |                   | 10      | 2457            |                     | 12.00         |              |
|             |                   | 11      | 2462            |                     | 12.00         |              |
|             | 802.11n-HT40 MCS0 | 3       | 2422            |                     | 12.00         | 93.91        |
|             |                   | 6       | 2437            |                     | 12.00         |              |
|             |                   | 9       | 2452            |                     | 12.00         |              |

| 5GHz WLAN   | Ant 3+4             |         |                 |                     |               |              |
|-------------|---------------------|---------|-----------------|---------------------|---------------|--------------|
| 5.2GHz WLAN | Mode                | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |
|             | 802.11a 6Mbps       | 36      | 5180            |                     | 13.50         | 97.35        |
|             |                     | 40      | 5200            |                     | 13.50         |              |
|             |                     | 44      | 5220            |                     | 13.50         |              |
|             |                     | 48      | 5240            |                     | 13.50         |              |
|             | 802.11n-HT20 MCS0   | 36      | 5180            |                     | 13.50         | 97.93        |
|             |                     | 40      | 5200            |                     | 13.50         |              |
|             |                     | 44      | 5220            |                     | 13.50         |              |
|             |                     | 48      | 5240            |                     | 13.50         |              |
|             | 802.11n-HT40 MCS0   | 38      | 5190            | Not Required        | 13.50         | 95.85        |
|             |                     | 46      | 5230            |                     | 13.50         |              |
|             |                     | 36      | 5180            |                     | 13.50         |              |
|             | 802.11ac-VHT20 MCS0 | 40      | 5200            |                     | 13.50         | 97.15        |
|             |                     | 44      | 5220            |                     | 13.50         |              |
|             |                     | 48      | 5240            |                     | 13.50         |              |
|             | 802.11ac-VHT40 MCS0 | 38      | 5190            |                     | 13.50         | 95.88        |
|             |                     | 46      | 5230            |                     | 13.50         |              |
|             | 802.11ac-VHT80 MCS0 | 42      | 5210            | 12.49               | 13.50         | 91.84        |

| 5GHz WLAN   | Ant 3+4             |         |                 |                     |               |              |
|-------------|---------------------|---------|-----------------|---------------------|---------------|--------------|
| 5.3GHz WLAN | Mode                | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |
|             | 802.11a 6Mbps       | 52      | 5260            |                     | 18.50         | 97.35        |
|             |                     | 56      | 5280            |                     | 18.50         |              |
|             |                     | 60      | 5300            |                     | 18.50         |              |
|             |                     | 64      | 5320            |                     | 18.50         |              |
|             | 802.11n-HT20 MCS0   | 52      | 5260            |                     | 18.50         | 97.93        |
|             |                     | 56      | 5280            |                     | 18.50         |              |
|             |                     | 60      | 5300            |                     | 18.50         |              |
|             |                     | 64      | 5320            |                     | 18.50         |              |
|             | 802.11n-HT40 MCS0   | 54      | 5270            |                     | 18.50         | 95.85        |
|             |                     | 62      | 5310            |                     | 18.50         |              |
|             | 802.11ac-VHT20 MCS0 | 52      | 5260            |                     | 18.50         | 97.15        |
|             |                     | 56      | 5280            |                     | 18.50         |              |
|             |                     | 60      | 5300            |                     | 18.50         |              |
|             |                     | 64      | 5320            |                     | 18.50         |              |
|             | 802.11ac-VHT40 MCS0 | 54      | 5270            |                     | 18.50         | 95.88        |
|             |                     | 62      | 5310            |                     | 18.50         |              |
|             | 802.11ac-VHT80 MCS0 | 68      | 5290            | 17.87               | 18.50         | 91.84        |

| 5GHz WLAN   | Ant 3+4       |         |                 |                     |               |              |
|-------------|---------------|---------|-----------------|---------------------|---------------|--------------|
| 5.5GHz WLAN | Mode          | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |
|             | 802.11a 6Mbps | 100     | 5500            |                     | 19.00         | 97.35        |
|             |               | 116     | 5580            |                     | 19.00         |              |
|             |               | 124     | 5620            |                     | 19.00         |              |
|             |               | 132     | 5660            |                     | 19.00         |              |
|             |               | 140     | 5700            |                     | 19.00         |              |
|             |               | 144     | 5720            |                     | 19.00         |              |
|             | 802           |         |                 |                     |               |              |



| Power Table 7 |                   |         |                 |                     |               |              |
|---------------|-------------------|---------|-----------------|---------------------|---------------|--------------|
| 2.4GHz WLAN   |                   | Ant 3+4 |                 |                     |               |              |
| 2.4GHz WLAN   | Mode              | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |
|               | 802.11b 1Mbps     | 1       | 2412            | 11.25               | 12.00         | 100.00       |
|               |                   | 6       | 2437            | 11.43               | 12.00         |              |
|               |                   | 11      | 2462            | 11.76               | 12.00         |              |
|               | 802.11g 6Mbps     | 1       | 2412            | Not Required        | 12.00         | 97.58        |
|               |                   | 2       | 2417            |                     | 12.00         |              |
|               |                   | 6       | 2437            |                     | 12.00         |              |
|               |                   | 10      | 2457            |                     | 12.00         |              |
|               |                   | 11      | 2462            |                     | 12.00         |              |
|               | 802.11n-HT20 MCS9 | 1       | 2412            |                     | 12.00         | 98.19        |
|               |                   | 2       | 2417            |                     | 12.00         |              |
|               |                   | 6       | 2437            |                     | 12.00         |              |
|               |                   | 10      | 2457            |                     | 12.00         |              |
|               |                   | 11      | 2462            |                     | 12.00         |              |
|               | 802.11n-HT40 MCS9 | 3       | 2422            |                     | 12.00         | 93.91        |
|               |                   | 6       | 2437            |                     | 12.00         |              |
|               |                   | 9       | 2452            |                     | 12.00         |              |

| 5GHz WLAN   |                     |         |                 |                     |               |              |
|-------------|---------------------|---------|-----------------|---------------------|---------------|--------------|
| 5GHz WLAN   |                     | Ant 3+4 |                 |                     |               |              |
| 5.2GHz WLAN | Mode                | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |
|             | 802.11a 6Mbps       | 36      | 5180            | Not Required        | 10.50         | 97.35        |
|             |                     | 40      | 5200            |                     | 10.50         |              |
|             |                     | 44      | 5220            |                     | 10.50         |              |
|             |                     | 48      | 5240            |                     | 10.50         |              |
|             | 802.11n-HT20 MCS9   | 36      | 5180            |                     | 10.50         | 97.93        |
|             |                     | 40      | 5200            |                     | 10.50         |              |
|             |                     | 44      | 5220            |                     | 10.50         |              |
|             |                     | 48      | 5240            |                     | 10.50         |              |
|             | 802.11n-HT40 MCS9   | 38      | 5190            |                     | 10.50         | 95.85        |
|             |                     | 46      | 5230            |                     | 10.50         |              |
|             | 802.11ac-VHT20 MCS9 | 36      | 5180            |                     | 10.50         | 97.15        |
|             |                     | 40      | 5200            |                     | 10.50         |              |
|             |                     | 44      | 5220            |                     | 10.50         |              |
|             |                     | 48      | 5240            |                     | 10.50         |              |
|             | 802.11ac-VHT40 MCS9 | 38      | 5190            |                     | 10.50         | 95.88        |
|             |                     | 46      | 5230            |                     | 10.50         |              |
|             | 802.11ac-VHT80 MCS9 | 42      | 5210            |                     | 10.50         | 91.84        |

| 5GHz WLAN   |                     |         |                 |                     |               |              |
|-------------|---------------------|---------|-----------------|---------------------|---------------|--------------|
| 5GHz WLAN   |                     | Ant 3+4 |                 |                     |               |              |
| 5.3GHz WLAN | Mode                | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |
|             | 802.11a 6Mbps       | 52      | 5260            | Not Required        | 13.50         | 97.35        |
|             |                     | 56      | 5280            |                     | 13.50         |              |
|             |                     | 60      | 5300            |                     | 13.50         |              |
|             |                     | 64      | 5320            |                     | 13.50         |              |
|             | 802.11n-HT20 MCS9   | 52      | 5260            |                     | 13.50         | 97.93        |
|             |                     | 56      | 5280            |                     | 13.50         |              |
|             |                     | 60      | 5300            |                     | 13.50         |              |
|             |                     | 64      | 5320            |                     | 13.50         |              |
|             | 802.11n-HT40 MCS9   | 54      | 5270            |                     | 13.50         | 95.85        |
|             |                     | 62      | 5310            |                     | 13.50         |              |
|             | 802.11ac-VHT20 MCS9 | 52      | 5260            |                     | 13.50         | 97.15        |
|             |                     | 56      | 5280            |                     | 13.50         |              |
|             |                     | 60      | 5300            |                     | 13.50         |              |
|             |                     | 64      | 5320            |                     | 13.50         |              |
|             | 802.11ac-VHT40 MCS9 | 54      | 5270            |                     | 13.50         | 95.88        |
|             |                     | 62      | 5310            |                     | 13.50         |              |
|             | 802.11ac-VHT80 MCS9 | 68      | 5290            | 13.01               | 13.50         | 91.84        |

| 5GHz WLAN   |                     |         |                 |                     |               |              |
|-------------|---------------------|---------|-----------------|---------------------|---------------|--------------|
| 5GHz WLAN   |                     | Ant 3+4 |                 |                     |               |              |
| 5.5GHz WLAN | Mode                | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |
|             | 802.11a 6Mbps       | 100     | 5500            | Not Required        | 13.00         | 97.35        |
|             |                     | 116     | 5580            |                     | 13.00         |              |
|             |                     | 124     | 5620            |                     | 13.00         |              |
|             |                     | 132     | 5660            |                     | 13.00         |              |
|             |                     | 140     | 5700            |                     | 13.00         |              |
|             |                     | 144     | 5720            |                     | 13.00         |              |
|             | 802.11n-HT20 MCS9   | 100     | 5500            |                     | 13.00         | 97.93        |
|             |                     | 116     | 5580            |                     | 13.00         |              |
|             |                     | 124     | 5620            |                     | 13.00         |              |
|             |                     | 132     | 5660            |                     | 13.00         |              |
|             |                     | 140     | 5700            |                     | 13.00         |              |
|             |                     | 144     | 5720            |                     | 13.00         |              |
|             | 802.11n-HT40 MCS9   | 102     | 5510            |                     | 13.00         | 95.85        |
|             |                     | 110     | 5550            |                     | 13.00         |              |
|             |                     | 126     | 5630            |                     | 13.00         |              |
|             |                     | 134     | 5670            |                     | 13.00         |              |
|             |                     | 142     | 5710            |                     | 13.00         |              |
|             |                     | 100     | 5500            |                     | 13.00         |              |
|             | 802.11ac-VHT20 MCS9 | 116     | 5580            |                     | 13.00         | 97.15        |
|             |                     | 124     | 5620            |                     | 13.00         |              |
|             |                     | 132     | 5660            |                     | 13.00         |              |
|             |                     | 140     | 5700            |                     | 13.00         |              |
|             |                     | 144     | 5720            |                     | 13.00         |              |
|             |                     | 102     | 5510            |                     | 13.00         |              |
|             | 802.11ac-VHT40 MCS9 | 110     | 5550            |                     | 13.00         | 95.88        |
|             |                     | 126     | 5630            |                     | 13.00         |              |
|             |                     | 134     | 5670            |                     | 13.00         |              |
|             |                     | 142     | 5710            |                     | 13.00         |              |
|             |                     | 106     | 5530            | 12.34               | 13.00         | 91.84        |
|             |                     | 122     | 5610            | 12.67               | 13.00         |              |
|             | 802.11ac-VHT80 MCS9 | 138     | 5690            | 12.11               | 13.00         |              |

| 5.8GHz WLAN |                     |         |                 |                     |               |              |
|-------------|---------------------|---------|-----------------|---------------------|---------------|--------------|
| 5.8GHz WLAN |                     | Ant 3+4 |                 |                     |               |              |
| 5.8GHz WLAN | Mode                | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |
|             | 802.11a 6Mbps       | 149     | 5745            | Not Required        | 14.00         | 97.35        |
|             |                     | 157     | 5785            |                     | 14.00         |              |
|             |                     | 165     | 5825            |                     | 14.00         |              |
|             | 802.11n-HT20 MCS9   | 149     | 5745            |                     | 14.00         | 97.93        |
|             |                     | 157     | 5785            |                     | 14.00         |              |
|             |                     | 165     | 5825            |                     | 14.00         |              |
|             | 802.11n-HT40 MCS9   | 151     | 5755            |                     | 14.00         | 95.85        |
|             |                     | 159     | 5795            |                     | 14.00         |              |
|             |                     | 149     | 5745            |                     | 14.00         |              |
|             | 802.11ac-VHT20 MCS9 | 157     | 5785            |                     | 14.00         | 97.15        |
|             |                     | 165     | 5825            |                     | 14.00         |              |
|             |                     | 151     | 5755            |                     | 14.00         |              |
|             | 802.11ac-VHT40 MCS9 | 159     | 5795            |                     | 14.00         | 95.88        |
|             |                     | 155     | 5775            | 12.45               | 14.00         |              |
|             | 802.11ac-VHT80 MCS9 | 155     | 5775            |                     | 14.00         | 91.84        |

| Power Table 8 |                   |         |                 |                     |               |              |
|---------------|-------------------|---------|-----------------|---------------------|---------------|--------------|
| 2.4GHz WLAN   |                   | Ant 3+4 |                 |                     |               |              |
| 2.4GHz WLAN   | Mode              | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |
|               | 802.11b 1Mbps     | 1       | 2412            | 14.70               | 15.50         | 100.00       |
|               |                   | 6       | 2437            | 14.60               | 15.50         |              |
|               |                   | 11      | 2462            | 14.77               | 15.50         |              |
|               | 802.11g 6Mbps     | 1       | 2412            | Not Required        | 15.50         | 97.58        |
|               |                   | 2       | 2417            |                     | 15.50         |              |
|               |                   | 6       | 2437            |                     | 15.50         |              |
|               |                   | 10      | 2457            |                     | 15.50         |              |
|               |                   | 11      | 2462            |                     | 15.50         |              |
|               | 802.11n-HT20 MCS9 | 1       | 2412            |                     | 15.50         | 98.19        |
|               |                   | 2       | 2417            |                     | 15.50         |              |
|               |                   | 6       | 2437            |                     | 15.50         |              |
|               |                   | 10      | 2457            |                     | 15.50         |              |
|               |                   | 11      | 2462            |                     | 15.50         |              |
|               | 802.11n-HT40 MCS9 | 3       | 2422            |                     | 15.50         | 93.91        |
|               |                   | 6       | 2437            |                     | 15.50         |              |
|               |                   | 9       | 2452            |                     | 15.50         |              |

| 5GHz WLAN   |                     |         |                 |                     |               |              |
|-------------|---------------------|---------|-----------------|---------------------|---------------|--------------|
| 5GHz WLAN   |                     | Ant 3+4 |                 |                     |               |              |
| 5.2GHz WLAN | Mode                | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |
|             | 802.11a 6Mbps       | 36      | 5180            | Not Required        | 15.50         | 97.35        |
|             |                     | 40      | 5200            |                     | 15.50         |              |
|             |                     | 44      | 5220            |                     | 15.50         |              |
|             |                     | 48      | 5240            |                     | 15.50         |              |
|             | 802.11n-HT20 MCS9   | 36      | 5180            |                     | 15.50         | 97.93        |
|             |                     | 40      | 5200            |                     | 15.50         |              |
|             |                     | 44      | 5220            |                     | 15.50         |              |
|             |                     | 48      | 5240            |                     | 15.50         |              |
|             | 802.11n-HT40 MCS9   | 38      | 5190            |                     | 15.50         | 95.85        |
|             |                     | 46      | 5230            |                     | 15.50         |              |
|             | 802.11ac-VHT20 MCS9 | 36      | 5180            |                     | 15.50         | 97.15        |
|             |                     | 40      | 5200            |                     | 15.50         |              |
|             |                     | 44      | 5220            |                     | 15.50         |              |
|             |                     | 48      | 5240            |                     | 15.50         |              |
|             | 802.11ac-VHT40 MCS9 | 38      | 5190            |                     | 15.50         | 95.88        |
|             |                     | 46      | 5230            |                     | 15.50         |              |
|             | 802.11ac-VHT80 MCS9 | 42      | 5210            | 15.49               | 15.50         | 91.84        |

| 5GHz WLAN           |                     | Ant 3+4 |                 |                     |               |              |
|---------------------|---------------------|---------|-----------------|---------------------|---------------|--------------|
| 5.3GHz WLAN         | Mode                | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |
|                     | 802.11a 6Mbps       | 52      | 5260            | Not Required        | 15.00         | 97.35        |
|                     |                     | 56      | 5280            |                     | 15.00         |              |
|                     |                     | 60      | 5300            |                     | 15.00         |              |
|                     |                     | 64      | 5320            |                     | 15.00         |              |
|                     | 802.11n-HT20 MCS9   | 52      | 5260            |                     | 15.00         | 97.93        |
|                     |                     | 56      | 5280            |                     | 15.00         |              |
|                     |                     | 60      | 5300            |                     | 15.00         |              |
|                     |                     | 64      | 5320            |                     | 15.00         |              |
|                     | 802.11n-HT40 MCS9   | 54      | 5270            |                     | 15.00         | 95.85        |
|                     |                     | 62      | 5310            |                     | 15.00         |              |
|                     | 802.11ac-VHT20 MCS9 | 52      | 5260            |                     | 15.00         | 97.15        |
|                     |                     | 56      | 5280            |                     | 15.00         |              |
|                     |                     | 60      | 5300            |                     | 15.00         |              |
|                     |                     | 64      | 5320            |                     | 15.00         |              |
|                     | 802.11ac-VHT40 MCS9 | 54      | 5270            |                     | 15.00         | 95.88        |
|                     |                     | 62      | 5310            | 15.00               |               |              |
| 802.11ac-VHT80 MCS9 | 58                  | 5290    | 13.96           | 15.00               | 91.84         |              |

## Bluetooth Ant 4

### BR / EDR

Power Table 2

| Mode          | Channel | Frequency (MHz) | Average power (dBm) |       |       |
|---------------|---------|-----------------|---------------------|-------|-------|
|               |         |                 | 1Mbps               | 2Mbps | 3Mbps |
| BR / EDR      | CH 00   | 2402            | 7.99                | 6.70  | 6.71  |
|               | CH 39   | 2441            | 7.83                | 6.57  | 6.59  |
|               | CH 78   | 2480            | 7.93                | 6.66  | 6.75  |
| Tune-up Limit |         |                 | 9                   | 9     | 9     |

Power Table 1

| Mode          | Channel | Frequency (MHz) | Average power (dBm) |       |       |
|---------------|---------|-----------------|---------------------|-------|-------|
|               |         |                 | 1Mbps               | 2Mbps | 3Mbps |
| BR / EDR      | CH 00   | 2402            | 14.69               | 12.19 | 12.20 |
|               | CH 39   | 2441            | 15.23               | 12.47 | 12.59 |
|               | CH 78   | 2480            | 15.28               | 12.72 | 12.67 |
| Tune-up Limit |         |                 | 15.5                | 15.5  | 15.5  |

### LE

| Mode          | Channel | Frequency (MHz) | Average power (dBm) |  |
|---------------|---------|-----------------|---------------------|--|
|               |         |                 | GFSK                |  |
| LE            | CH 00   | 2402            | 9.00                |  |
|               | CH 19   | 2440            | 8.70                |  |
|               | CH 39   | 2480            | 8.50                |  |
| Tune-up Limit |         |                 | 9                   |  |

### LE 5.0

| Mode          | Channel | Frequency (MHz) | Average power (dBm) |  |
|---------------|---------|-----------------|---------------------|--|
|               |         |                 | 1Mbps               |  |
| LE            | CH 00   | 2402            | 9.00                |  |
|               | CH 19   | 2440            | 8.80                |  |
|               | CH 39   | 2480            | 8.50                |  |
| Tune-up Limit |         |                 | 9                   |  |



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***Appendix F. Supplemental Tuner Head & Body SAR Results***

The results are shown as follows.



| Head          |                        |                    |         |            |              |               |         |                              |                                    |       |       |       |       |       |       |       |
|---------------|------------------------|--------------------|---------|------------|--------------|---------------|---------|------------------------------|------------------------------------|-------|-------|-------|-------|-------|-------|-------|
| Mode          | Service/<br>Modulation | Frequency<br>(MHz) | Channel | RB<br>Size | RB<br>Offset | Test Position | Spacing | Measured<br>1g SAR<br>(W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |
|               |                        |                    |         |            |              |               |         |                              | Auto-Tune<br>(State 38)            | 0     | 22    | 44    | 66    | 88    | 110   | 132   |
| GSM850        | GPRS (2 Tx slots)      | 824.2              | 128     | N/A        | N/A          | Left Cheek    | 0mm     | 0.148                        | 0.173                              | 0.114 | 0.028 | 0.038 | 0.009 | 0.057 | 0.019 | 0.125 |
|               |                        |                    |         |            |              |               |         |                              |                                    |       |       |       |       |       |       |       |
| Mode          | Service/<br>Modulation | Frequency<br>(MHz) | Channel | RB<br>Size | RB<br>Offset | Test Position | Spacing | Measured<br>1g SAR<br>(W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |
|               |                        |                    |         |            |              |               |         |                              | Auto-Tune<br>(State 48)            | 1     | 23    | 45    | 67    | 89    | 111   | 133   |
| GSM1900       | GPRS (3 Tx slots)      | 1880               | 661     | N/A        | N/A          | Right Cheek   | 0mm     | 0.123                        | 0.144                              | 0.064 | 0.007 | 0.035 | 0.054 | 0.035 | 0.026 | 0.03  |
|               |                        |                    |         |            |              |               |         |                              |                                    |       |       |       |       |       |       |       |
| Mode          | Service/<br>Modulation | Frequency<br>(MHz) | Channel | RB<br>Size | RB<br>Offset | Test Position | Spacing | Measured<br>1g SAR<br>(W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |
|               |                        |                    |         |            |              |               |         |                              | Auto-Tune<br>(State 48)            | 2     | 24    | 46    | 68    | 90    | 112   | 134   |
| WCDMA B2      | RMC12.2K               | 1852.4             | 9262    | N/A        | N/A          | Left Cheek    | 0mm     | 0.249                        | 0.288                              | 0.191 | 0.057 | 0.257 | 0.057 | 0.219 | 0.076 | 0.106 |
|               |                        |                    |         |            |              |               |         |                              |                                    |       |       |       |       |       |       |       |
| Mode          | Service/<br>Modulation | Frequency<br>(MHz) | Channel | RB<br>Size | RB<br>Offset | Test Position | Spacing | Measured<br>1g SAR<br>(W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |
|               |                        |                    |         |            |              |               |         |                              | Auto-Tune<br>(State 55)            | 3     | 25    | 47    | 69    | 91    | 113   | 135   |
| WCDMA B4      | RMC12.2K               | 1732.6             | 1413    | N/A        | N/A          | Left Cheek    | 0mm     | 0.262                        | 0.297                              | 0.266 | 0.085 | 0.171 | 0.095 | 0.143 | 0.028 | 0.128 |
|               |                        |                    |         |            |              |               |         |                              |                                    |       |       |       |       |       |       |       |
| Mode          | Service/<br>Modulation | Frequency<br>(MHz) | Channel | RB<br>Size | RB<br>Offset | Test Position | Spacing | Measured<br>1g SAR<br>(W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |
|               |                        |                    |         |            |              |               |         |                              | Auto-Tune<br>(State 119)           | 4     | 26    | 48    | 70    | 92    | 114   | 136   |
| WCDMA B5      | RMC12.2K               | 836.4              | 4182    | N/A        | N/A          | Right Cheek   | 0mm     | 0.135                        | 0.144                              | 0.047 | 0.123 | 0.132 | 0.085 | 0.113 | 0.066 | 0.103 |
|               |                        |                    |         |            |              |               |         |                              |                                    |       |       |       |       |       |       |       |
| Mode          | Service/<br>Modulation | Frequency<br>(MHz) | Channel | RB<br>Size | RB<br>Offset | Test Position | Spacing | Measured<br>1g SAR<br>(W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |
|               |                        |                    |         |            |              |               |         |                              | Auto-Tune<br>(State 117)           | 5     | 27    | 49    | 71    | 93    | 115   | 137   |
| CDMA BC0      | 1xRTT RC3 SO55         | 836.52             | 384     | N/A        | N/A          | Left Cheek    | 0mm     | 0.058                        | 0.052                              | 0.012 | 0.021 | 0.012 | 0.021 | 0.012 | 0.031 | 0.041 |
|               |                        |                    |         |            |              |               |         |                              |                                    |       |       |       |       |       |       |       |
| Mode          | Service/<br>Modulation | Frequency<br>(MHz) | Channel | RB<br>Size | RB<br>Offset | Test Position | Spacing | Measured<br>1g SAR<br>(W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |
|               |                        |                    |         |            |              |               |         |                              | Auto-Tune<br>(State 49)            | 6     | 28    | 50    | 72    | 94    | 116   | 138   |
| LTE B2        | QPSK                   | 1860               | 18700   | 1          | 0            | Left Cheek    | 0mm     | 0.304                        | 0.356                              | 0.23  | 0.287 | 0.106 | 0.268 | 0.192 | 0.306 | 0.323 |
|               |                        |                    |         |            |              |               |         |                              |                                    |       |       |       |       |       |       |       |
| Mode          | Service/<br>Modulation | Frequency<br>(MHz) | Channel | RB<br>Size | RB<br>Offset | Test Position | Spacing | Measured<br>1g SAR<br>(W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |
|               |                        |                    |         |            |              |               |         |                              | Auto-Tune<br>(State 87)            | 7     | 29    | 51    | 73    | 95    | 117   | 139   |
| LTE B2_Ant 2  | QPSK                   | 1860               | 18700   | 1          | 0            | Left Cheek    | 0mm     | 0.054                        | 0.0632                             | 0.033 | 0.023 | 0.042 | 0.052 | 0.033 | 0.023 | 0.053 |
|               |                        |                    |         |            |              |               |         |                              |                                    |       |       |       |       |       |       |       |
| Mode          | Service/<br>Modulation | Frequency<br>(MHz) | Channel | RB<br>Size | RB<br>Offset | Test Position | Spacing | Measured<br>1g SAR<br>(W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |
|               |                        |                    |         |            |              |               |         |                              | Auto-Tune<br>(State 66)            | 8     | 30    | 52    | 74    | 96    | 118   | 140   |
| LTE B7        | QPSK                   | 2535               | 21100   | 1          | 0            | Left Cheek    | 0mm     | 0.186                        | 0.222                              | 0.03  | 0.163 | 0.087 | 0.106 | 0.172 | 0.096 | 0.119 |
|               |                        |                    |         |            |              |               |         |                              |                                    |       |       |       |       |       |       |       |
| Mode          | Service/<br>Modulation | Frequency<br>(MHz) | Channel | RB<br>Size | RB<br>Offset | Test Position | Spacing | Measured<br>1g SAR<br>(W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |
|               |                        |                    |         |            |              |               |         |                              | Auto-Tune<br>(State 23)            | 9     | 31    | 53    | 75    | 97    | 119   | 141   |
| LTE B7_Ant 2  | QPSK                   | 2535               | 21100   | 1          | 0            | Right Cheek   | 0mm     | 0.116                        | 0.144                              | 0.056 | 0.075 | 0.094 | 0.066 | 0.132 | 0.037 | 0.077 |
|               |                        |                    |         |            |              |               |         |                              |                                    |       |       |       |       |       |       |       |
| Mode          | Service/<br>Modulation | Frequency<br>(MHz) | Channel | RB<br>Size | RB<br>Offset | Test Position | Spacing | Measured<br>1g SAR<br>(W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |
|               |                        |                    |         |            |              |               |         |                              | Auto-Tune<br>(State 142)           | 10    | 32    | 54    | 76    | 98    | 120   | 142   |
| LTE B12       | QPSK                   | 707.5              | 23095   | 1          | 0            | Left Cheek    | 0mm     | 0.071                        | 0.0774                             | 0.047 | 0.056 | 0.047 | 0.066 | 0.047 | 0.047 | 0.057 |
|               |                        |                    |         |            |              |               |         |                              |                                    |       |       |       |       |       |       |       |
| Mode          | Service/<br>Modulation | Frequency<br>(MHz) | Channel | RB<br>Size | RB<br>Offset | Test Position | Spacing | Measured<br>1g SAR<br>(W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |
|               |                        |                    |         |            |              |               |         |                              | Auto-Tune<br>(State 67)            | 11    | 33    | 55    | 77    | 99    | 121   | 143   |
| LTE B12_Ant 2 | QPSK                   | 707.5              | 23095   | 1          | 0            | Left Cheek    | 0mm     | 0.033                        | 0.0362                             | 0.025 | 0.025 | 0.015 | 0.015 | 0.034 | 0.025 | 0.021 |
|               |                        |                    |         |            |              |               |         |                              |                                    |       |       |       |       |       |       |       |
| Mode          | Service/<br>Modulation | Frequency<br>(MHz) | Channel | RB<br>Size | RB<br>Offset | Test Position | Spacing | Measured<br>1g SAR<br>(W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |
|               |                        |                    |         |            |              |               |         |                              | Auto-Tune<br>(State 142)           | 12    | 34    | 56    | 78    | 100   | 122   | 0     |
| LTE B13       | QPSK                   | 782                | 23230   | 1          | 0            | Right Cheek   | 0mm     | 0.1                          | 0.109                              | 0.031 | 0.04  | 0.059 | 0.021 | 0.069 | 0.059 | 0.059 |
|               |                        |                    |         |            |              |               |         |                              |                                    |       |       |       |       |       |       |       |
| Mode          | Service/<br>Modulation | Frequency<br>(MHz) | Channel | RB<br>Size | RB<br>Offset | Test Position | Spacing | Measured<br>1g SAR<br>(W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |
|               |                        |                    |         |            |              |               |         |                              | Auto-Tune<br>(State 67)            | 13    | 35    | 57    | 79    | 101   | 123   | 1     |
| LTE B13_Ant 2 | QPSK                   | 782                | 23230   | 1          | 0            | Right Cheek   | 0mm     | 0.055                        | 0.0595                             | 0.029 | 0.029 | 0.058 | 0.038 | 0.029 | 0.038 | 0.048 |
|               |                        |                    |         |            |              |               |         |                              |                                    |       |       |       |       |       |       |       |
| Mode          | Service/<br>Modulation | Frequency<br>(MHz) | Channel | RB<br>Size | RB<br>Offset | Test Position | Spacing | Measured<br>1g SAR<br>(W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |
|               |                        |                    |         |            |              |               |         |                              | Auto-Tune<br>(State 121)           | 14    | 36    | 58    | 80    | 102   | 124   | 2     |
| LTE B26       | QPSK                   | 831.5              | 26865   | 1          | 0            | Right Cheek   | 0mm     | 0.12                         | 0.13                               | 0.08  | 0.09  | 0.061 | 0.023 | 0.08  | 0.052 | 0.065 |
|               |                        |                    |         |            |              |               |         |                              |                                    |       |       |       |       |       |       |       |
| Mode          | Service/<br>Modulation | Frequency<br>(MHz) | Channel | RB<br>Size | RB<br>Offset | Test Position | Spacing | Measured<br>1g SAR<br>(W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |
|               |                        |                    |         |            |              |               |         |                              | Auto-Tune<br>(State 67)            | 15    | 37    | 59    | 81    | 103   | 125   | 3     |
| LTE B26_Ant 2 | QPSK                   | 831.5              | 26865   | 1          | 0            | Left Cheek    | 0mm     | 0.047                        | 0.0542                             | 0.014 | 0.024 | 0.043 | 0.024 | 0.024 | 0.043 | 0.036 |
|               |                        |                    |         |            |              |               |         |                              |                                    |       |       |       |       |       |       |       |
| Mode          | Service/<br>Modulation | Frequency<br>(MHz) | Channel | RB<br>Size | RB<br>Offset | Test Position | Spacing | Measured<br>1g SAR<br>(W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |
|               |                        |                    |         |            |              |               |         |                              | Auto-Tune<br>(State 66)            | 16    | 38    | 60    | 82    | 104   | 126   | 4     |
| LTE B41       | QPSK                   | 2593               | 40620   | 1          | 0            | Right Tilted  | 0mm     | 0.077                        | 0.0937                             | 0.035 | 0.063 | 0.016 | 0.082 | 0.035 | 0.063 | 0.075 |
|               |                        |                    |         |            |              |               |         |                              |                                    |       |       |       |       |       |       |       |
| Mode          | Service/<br>Modulation | Frequency<br>(MHz) | Channel | RB<br>Size | RB<br>Offset | Test Position | Spacing | Measured<br>1g SAR<br>(W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |
|               |                        |                    |         |            |              |               |         |                              | Auto-Tune<br>(State 20)            | 17    | 39    | 61    | 83    | 105   | 127   | 5     |
| LTE B41_Ant 2 | QPSK                   | 2506               | 39750   | 1          | 0            | Right Tilted  | 0mm     | 0.076                        | 0.042                              | 0.011 | 0.021 | 0.011 | 0.011 | 0.002 | 0.03  | 0.033 |
|               |                        |                    |         |            |              |               |         |                              |                                    |       |       |       |       |       |       |       |
| Mode          | Service/<br>Modulation | Frequency<br>(MHz) | Channel | RB<br>Size | RB<br>Offset | Test Position | Spacing | Measured<br>1g SAR<br>(W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |
|               |                        |                    |         |            |              |               |         |                              | Auto-Tune<br>(State 56)            | 18    | 40    | 62    | 84    | 106   | 128   | 6     |
| LTE B66       | QPSK                   | 1720               | 132072  | 1          | 0            | Left Cheek    | 0mm     | 0.137                        | 0.159                              | 0.138 | 0.062 | 0.071 | 0.128 | 0.043 | 0.138 | 0.135 |
|               |                        |                    |         |            |              |               |         |                              |                                    |       |       |       |       |       |       |       |
| Mode          | Service/<br>Modulation | Frequency<br>(MHz) | Channel | RB<br>Size | RB<br>Offset | Test Position | Spacing | Measured<br>1g SAR<br>(W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |
|               |                        |                    |         |            |              |               |         |                              | Auto-Tune<br>(State 90)            | 19    | 41    | 63    | 85    | 107   | 129   | 7     |
| LTE B66_Ant 2 | QPSK                   | 1720               | 132072  | 1          | 0            | Left Cheek    | 0mm     | 0.069                        | 0.0807                             | 0.05  | 0.069 | 0.069 | 0.031 | 0.06  | 0.05  | 0.053 |
|               |                        |                    |         |            |              |               |         |                              |                                    |       |       |       |       |       |       |       |
| Mode          | Service/<br>Modulation | Frequency<br>(MHz) | Channel | RB<br>Size | RB<br>Offset | Test Position | Spacing | Measured<br>1g SAR<br>(W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |
|               |                        |                    |         |            |              |               |         |                              | Auto-Tune<br>(State 73)            | 20    | 42    | 64    | 86    | 108   | 130   | 8     |
| LTE B71       | QPSK                   | 683                | 133322  | 1          | 0            | Left Cheek    | 0mm     | 0.055                        | 0.0584                             | 0.018 | 0.047 | 0.047 | 0.056 | 0.018 | 0.037 | 0.039 |
|               |                        |                    |         |            |              |               |         |                              |                                    |       |       |       |       |       |       |       |
| Mode          | Service/<br>Modulation | Frequency<br>(MHz) | Channel | RB<br>Size | RB<br>Offset | Test Position | Spacing | Measured<br>1g SAR<br>(W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |
|               |                        |                    |         |            |              |               |         |                              | Auto-Tune<br>(State 73)            | 21    | 43    | 65    | 87    | 109   | 131   | 9     |
| LTE B71_Ant 2 | QPSK                   | 683                | 133322  | 1          | 0            | Left Cheek    | 0mm     | 0.033                        | 0.0355                             | 0.024 | 0.014 | 0.024 | 0.014 | 0.034 | 0.034 | 0.034 |

| Body          |                        |                    |         |            |              |               |         |       |                           |                                    |       |       |       |       |       |       |       |
|---------------|------------------------|--------------------|---------|------------|--------------|---------------|---------|-------|---------------------------|------------------------------------|-------|-------|-------|-------|-------|-------|-------|
| Mode          | Service/<br>Modulation | Frequency<br>(MHz) | Channel | RB<br>Size | RB<br>Offset | Test Position | Spacing |       | Measured 1g<br>SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |
| GSM850        | GPRS (4 Tx slots)      | 824.2              | 128     | N/A        | N/A          | Back          | 5mm     | Close | 0.603                     | Auto-Tune<br>(State 38)            | 0     | 22    | 44    | 66    | 88    | 110   | 132   |
|               |                        |                    |         |            |              |               |         |       |                           | 0.765                              | 0.639 | 0.515 | 0.125 | 0.325 | 0.744 | 0.63  | 0.543 |
|               |                        |                    |         |            |              |               |         |       |                           |                                    |       |       |       |       |       |       |       |
| Mode          | Service/<br>Modulation | Frequency<br>(MHz) | Channel | RB<br>Size | RB<br>Offset | Test Position | Spacing | DSI 3 | Measured 1g<br>SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |
| GSM1900       | GPRS (3 Tx slots)      | 1880               | 661     | N/A        | N/A          | Bottom Side   | 5mm     | Open  | 0.798                     | Auto-Tune<br>(State 48)            | 1     | 23    | 45    | 67    | 89    | 111   | 133   |
|               |                        |                    |         |            |              |               |         |       |                           | 1.05                               | 0.877 | 0.8   | 0.781 | 0.667 | 0.391 | 0.677 | 0.603 |
|               |                        |                    |         |            |              |               |         |       |                           |                                    |       |       |       |       |       |       |       |
| Mode          | Service/<br>Modulation | Frequency<br>(MHz) | Channel | RB<br>Size | RB<br>Offset | Test Position | Spacing | DSI 5 | Measured 1g<br>SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |
| WCDMA B2      | RMC12.2K               | 1852.4             | 9262    | N/A        | N/A          | Bottom Side   | 5mm     | Close | 0.756                     | Auto-Tune<br>(State 48)            | 2     | 24    | 46    | 68    | 90    | 112   | 134   |
|               |                        |                    |         |            |              |               |         |       |                           | 0.858                              | 0.475 | 0.827 | 0.542 | 0.551 | 0.361 | 0.427 | 0.537 |
|               |                        |                    |         |            |              |               |         |       |                           |                                    |       |       |       |       |       |       |       |
| Mode          | Service/<br>Modulation | Frequency<br>(MHz) | Channel | RB<br>Size | RB<br>Offset | Test Position | Spacing | DSI 3 | Measured 1g<br>SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |
| WCDMA B4      | RMC12.2K               | 1752.6             | 1513    | N/A        | N/A          | Bottom Side   | 5mm     | Close | 0.638                     | Auto-Tune<br>(State 34)            | 3     | 25    | 47    | 69    | 91    | 113   | 135   |
|               |                        |                    |         |            |              |               |         |       |                           | 0.805                              | 0.651 | 0.346 | 0.593 | 0.527 | 0.632 | 0.374 | 0.484 |
|               |                        |                    |         |            |              |               |         |       |                           |                                    |       |       |       |       |       |       |       |
| Mode          | Service/<br>Modulation | Frequency<br>(MHz) | Channel | RB<br>Size | RB<br>Offset | Test Position | Spacing |       | Measured 1g<br>SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |
| WCDMA B5      | RMC12.2K               | 836.4              | 4182    | N/A        | N/A          | Back          | 5mm     | Open  | 0.735                     | Auto-Tune<br>(State 119)           | 4     | 26    | 48    | 70    | 92    | 114   | 136   |
|               |                        |                    |         |            |              |               |         |       |                           | 1.08                               | 0.64  | 1.03  | 1.049 | 0.173 | 0.707 | 1.059 | 0.989 |
|               |                        |                    |         |            |              |               |         |       |                           |                                    |       |       |       |       |       |       |       |
| Mode          | Service/<br>Modulation | Frequency<br>(MHz) | Channel | RB<br>Size | RB<br>Offset | Test Position | Spacing |       | Measured 1g<br>SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |
| CDMA BC0      | EVDO 153.6bpsk         | 836.52             | 384     | N/A        | N/A          | Back          | 5mm     | Open  | 0.694                     | Auto-Tune<br>(State 117)           | 5     | 27    | 49    | 71    | 93    | 115   | 137   |
|               |                        |                    |         |            |              |               |         |       |                           | 0.783                              | 0.191 | 0.762 | 0.4   | 0.571 | 0.591 | 0.505 | 0.615 |
|               |                        |                    |         |            |              |               |         |       |                           |                                    |       |       |       |       |       |       |       |
| Mode          | Service/<br>Modulation | Frequency<br>(MHz) | Channel | RB<br>Size | RB<br>Offset | Test Position | Spacing | DSI 5 | Measured 1g<br>SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |
| LTE B2        | QPSK                   | 1880               | 18900   | 1          | 0            | Back          | 5mm     | Close | 0.628                     | Auto-Tune<br>(State 88)            | 6     | 28    | 50    | 72    | 94    | 116   | 138   |
|               |                        |                    |         |            |              |               |         |       |                           | 0.733                              | 0.36  | 0.312 | 0.121 | 0.598 | 0.274 | 0.255 | 0.289 |
|               |                        |                    |         |            |              |               |         |       |                           |                                    |       |       |       |       |       |       |       |
| Mode          | Service/<br>Modulation | Frequency<br>(MHz) | Channel | RB<br>Size | RB<br>Offset | Test Position | Spacing |       | Measured 1g<br>SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |
| LTE B2_Ant 2  | QPSK                   | 1860               | 18700   | 1          | 0            | Front         | 5mm     | Open  | 0.576                     | Auto-Tune<br>(State 87)            | 7     | 29    | 51    | 73    | 95    | 117   | 139   |
|               |                        |                    |         |            |              |               |         |       |                           | 0.955                              | 0.753 | 0.343 | 0.648 | 0.124 | 0.153 | 0.667 | 0.706 |
|               |                        |                    |         |            |              |               |         |       |                           |                                    |       |       |       |       |       |       |       |
| Mode          | Service/<br>Modulation | Frequency<br>(MHz) | Channel | RB<br>Size | RB<br>Offset | Test Position | Spacing | DSI 3 | Measured 1g<br>SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |
| LTE B7        | QPSK                   | 2535               | 21100   | 1          | 0            | Bottom Side   | 5mm     | Open  | 0.62                      | Auto-Tune<br>(State 66)            | 8     | 30    | 52    | 74    | 96    | 118   | 140   |
|               |                        |                    |         |            |              |               |         |       |                           | 0.868                              | 0.685 | 0.361 | 0.818 | 0.799 | 0.514 | 0.514 | 0.599 |
|               |                        |                    |         |            |              |               |         |       |                           |                                    |       |       |       |       |       |       |       |
| Mode          | Service/<br>Modulation | Frequency<br>(MHz) | Channel | RB<br>Size | RB<br>Offset | Test Position | Spacing | DSI 5 | Measured 1g<br>SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |
| LTE B7_Ant 2  | QPSK                   | 2560               | 21350   | 1          | 0            | Bottom Side   | 5mm     | Close | 0.711                     | Auto-Tune<br>(State 23)            | 9     | 31    | 53    | 75    | 97    | 119   | 141   |
|               |                        |                    |         |            |              |               |         |       |                           | 1.29                               | 0.669 | 0.593 | 0.317 | 0.64  | 0.24  | 0.117 | 0.817 |
|               |                        |                    |         |            |              |               |         |       |                           |                                    |       |       |       |       |       |       |       |
| Mode          | Service/<br>Modulation | Frequency<br>(MHz) | Channel | RB<br>Size | RB<br>Offset | Test Position | Spacing |       | Measured 1g<br>SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |
| LTE B12       | QPSK                   | 707.5              | 23095   | 1          | 0            | Back          | 5mm     | Close | 0.386                     | Auto-Tune<br>(State 142)           | 10    | 32    | 54    | 76    | 98    | 120   | 142   |
|               |                        |                    |         |            |              |               |         |       |                           | 0.5                                | 0.45  | 0.079 | 0.127 | 0.365 | 0.479 | 0.088 | 0.235 |
|               |                        |                    |         |            |              |               |         |       |                           |                                    |       |       |       |       |       |       |       |
| Mode          | Service/<br>Modulation | Frequency<br>(MHz) | Channel | RB<br>Size | RB<br>Offset | Test Position | Spacing |       | Measured 1g<br>SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |
| LTE B12_Ant 2 | QPSK                   | 707.5              | 23095   | 1          | 0            | Bottom Side   | 5mm     | Close | 0.233                     | Auto-Tune<br>(State 67)            | 11    | 33    | 55    | 77    | 99    | 121   | 143   |
|               |                        |                    |         |            |              |               |         |       |                           | 0.548                              | 0.451 | 0.222 | 0.422 | 0.108 | 0.517 | 0.317 | 0.482 |
|               |                        |                    |         |            |              |               |         |       |                           |                                    |       |       |       |       |       |       |       |
| Mode          | Service/<br>Modulation | Frequency<br>(MHz) | Channel | RB<br>Size | RB<br>Offset | Test Position | Spacing |       | Measured 1g<br>SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |
| LTE B13       | QPSK                   | 782                | 23230   | 1          | 0            | Back          | 5mm     | Close | 0.502                     | Auto-Tune<br>(State 142)           | 12    | 34    | 56    | 78    | 100   | 122   | 0     |
|               |                        |                    |         |            |              |               |         |       |                           | 0.628                              | 0.616 | 0.293 | 0.302 | 0.578 | 0.426 | 0.416 | 0.466 |
|               |                        |                    |         |            |              |               |         |       |                           |                                    |       |       |       |       |       |       |       |
| Mode          | Service/<br>Modulation | Frequency<br>(MHz) | Channel | RB<br>Size | RB<br>Offset | Test Position | Spacing |       | Measured 1g<br>SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |
| LTE B13_Ant 2 | QPSK                   | 782                | 23230   | 1          | 0            | Back          | 5mm     | Close | 0.361                     | Auto-Tune<br>(State 67)            | 13    | 35    | 57    | 79    | 101   | 123   | 1     |
|               |                        |                    |         |            |              |               |         |       |                           | 0.807                              | 0.776 | 0.376 | 0.415 | 0.405 | 0.748 | 0.691 | 0.731 |
|               |                        |                    |         |            |              |               |         |       |                           |                                    |       |       |       |       |       |       |       |
| Mode          | Service/<br>Modulation | Frequency<br>(MHz) | Channel | RB<br>Size | RB<br>Offset | Test Position | Spacing |       | Measured 1g<br>SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |
| LTE B26       | QPSK                   | 831.5              | 26865   | 1          | 0            | Back          | 5mm     | Close | 0.636                     | Auto-Tune<br>(State 121)           | 14    | 36    | 58    | 80    | 102   | 124   | 2     |
|               |                        |                    |         |            |              |               |         |       |                           | 0.79                               | 0.75  | 0.778 | 0.083 | 0.502 | 0.655 | 0.236 | 0.534 |
|               |                        |                    |         |            |              |               |         |       |                           |                                    |       |       |       |       |       |       |       |
| Mode          | Service/<br>Modulation | Frequency<br>(MHz) | Channel | RB<br>Size | RB<br>Offset | Test Position | Spacing |       | Measured 1g<br>SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |
| LTE B26_Ant 2 | QPSK                   | 841.5              | 26965   | 1          | 0            | Back          | 5mm     | Close | 0.565                     | Auto-Tune<br>(State 67)            | 15    | 37    | 59    | 81    | 103   | 125   | 3     |
|               |                        |                    |         |            |              |               |         |       |                           | 0.997                              | 0.319 | 0.195 | 0.109 | 0.805 | 0.233 | 0.833 | 0.768 |
|               |                        |                    |         |            |              |               |         |       |                           |                                    |       |       |       |       |       |       |       |
| Mode          | Service/<br>Modulation | Frequency<br>(MHz) | Channel | RB<br>Size | RB<br>Offset | Test Position | Spacing | DSI 3 | Measured 1g<br>SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |
| LTE B41       | QPSK                   | 2593               | 40620   | 1          | 0            | Bottom Side   | 5mm     | Close | 0.759                     | Auto-Tune<br>(State 66)            | 16    | 38    | 60    | 82    | 104   | 126   | 4     |
|               |                        |                    |         |            |              |               |         |       |                           | 2.14                               | 0.576 | 1.128 | 0.509 | 0.909 | 0.262 | 0.976 | 0.979 |
|               |                        |                    |         |            |              |               |         |       |                           |                                    |       |       |       |       |       |       |       |
| Mode          | Service/<br>Modulation | Frequency<br>(MHz) | Channel | RB<br>Size | RB<br>Offset | Test Position | Spacing | DSI 3 | Measured 1g<br>SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |
| LTE B41_Ant 2 | QPSK                   | 2593               | 40620   | 1          | 0            | Bottom Side   | 5mm     | Open  | 0.607                     | Auto-Tune<br>(State 20)            | 17    | 39    | 61    | 83    | 105   | 127   | 5     |
|               |                        |                    |         |            |              |               |         |       |                           | 1.24                               | 1.2   | 0.8   | 0.4   | 0.381 | 0.438 | 0.562 | 0.599 |
|               |                        |                    |         |            |              |               |         |       |                           |                                    |       |       |       |       |       |       |       |
| Mode          | Service/<br>Modulation | Frequency<br>(MHz) | Channel | RB<br>Size | RB<br>Offset | Test Position | Spacing | DSI 3 | Measured 1g<br>SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |
| LTE B66       | QPSK                   | 1770               | 132572  | 1          | 0            | Bottom Side   | 5mm     | Open  | 0.679                     | Auto-Tune<br>(State 56)            | 18    | 40    | 62    | 84    | 106   | 128   | 6     |
|               |                        |                    |         |            |              |               |         |       |                           | 0.876                              | 0.455 | 0.474 | 0.379 | 0.131 | 0.512 | 0.712 | 0.749 |
|               |                        |                    |         |            |              |               |         |       |                           |                                    |       |       |       |       |       |       |       |
| Mode          | Service/<br>Modulation | Frequency<br>(MHz) | Channel | RB<br>Size | RB<br>Offset | Test Position | Spacing |       | Measured 1g<br>SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |
| LTE B66_Ant 2 | QPSK                   | 1720               | 132072  | 1          | 0            | Back          | 5mm     | Close | 0.477                     | Auto-Tune<br>(State 90)            | 19    | 41    | 63    | 85    | 107   | 129   | 7     |
|               |                        |                    |         |            |              |               |         |       |                           | 0.742                              | 0.378 | 0.569 | 0.245 | 0.34  | 0.34  | 0.378 | 0.528 |
|               |                        |                    |         |            |              |               |         |       |                           |                                    |       |       |       |       |       |       |       |
| Mode          | Service/<br>Modulation | Frequency<br>(MHz) | Channel | RB<br>Size | RB<br>Offset | Test Position | Spacing |       | Measured 1g<br>SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |
| LTE B71       | QPSK                   | 683                | 133322  | 1          | 0            | Bottom Side   | 5mm     | Close | 0.432                     | Auto-Tune<br>(State 73)            | 20    | 42    | 64    | 86    | 108   | 130   | 8     |
|               |                        |                    |         |            |              |               |         |       |                           | 0.997                              | 0.547 | 0.862 | 0.347 | 0.681 | 0.405 | 0.357 | 0.771 |
|               |                        |                    |         |            |              |               |         |       |                           |                                    |       |       |       |       |       |       |       |
| Mode          | Service/<br>Modulation | Frequency<br>(MHz) | Channel | RB<br>Size | RB<br>Offset | Test Position | Spacing |       | Measured 1g<br>SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |
| LTE B71_Ant 2 | QPSK                   | 683                | 133322  | 1          | 0            | Bottom Side   | 5mm     | Close | 0.18                      | Auto-Tune<br>(State 73)            | 21    | 43    | 65    | 87    | 109   | 131   | 9     |
|               |                        |                    |         |            |              |               |         |       |                           | 0.443                              | 0.403 | 0.146 | 0.022 | 0.26  | 0.393 | 0.165 | 0.412 |