

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.



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

The detailed power table are shown as follows.



DSI 2&4&6								
GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8	33.50	22.91	23.04	23.05	24.50
GSM 1 Tx slot	31.91	32.04	32.05	33.50	22.91	23.04	23.05	24.50
GPRS 1 Tx slot	31.96	32.06	32.08	33.50	22.96	23.06	23.08	24.50
GPRS 2 Tx slots	30.81	30.62	30.52	32.50	24.81	24.62	24.52	26.50
GPRS 3 Tx slots	29.56	29.09	28.58	30.50	25.30	24.83	24.32	26.24
GPRS 4 Tx slots	27.54	27.01	26.55	28.50	24.54	24.01	23.55	25.50
EDGE 1 Tx slot	25.39	25.51	25.47	27.00	16.39	16.51	16.47	18.00
EDGE 2 Tx slots	24.37	24.45	24.40	25.50	18.37	18.45	18.40	19.50
EDGE 3 Tx slots	22.79	22.87	22.83	24.00	18.53	18.61	18.57	19.74
EDGE 4 Tx slots	21.19	21.32	21.26	22.50	18.19	18.32	18.26	19.50

DSI 2&4&6								
GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8	30.50	20.46	20.47	20.19	21.50
GSM 1 Tx slot	29.46	29.47	29.19	30.50	20.46	20.47	20.19	21.50
GPRS 1 Tx slot	29.50	29.50	29.27	30.50	20.50	20.50	20.27	21.50
GPRS 2 Tx slots	28.43	28.42	28.21	29.50	22.43	22.42	22.21	23.50
GPRS 3 Tx slots	26.58	26.61	26.42	28.00	22.32	22.35	22.16	23.74
GPRS 4 Tx slots	24.94	24.48	24.08	26.00	21.94	21.48	21.08	23.00
EDGE 1 Tx slot	24.55	24.66	24.74	26.00	15.55	15.66	15.74	17.00
EDGE 2 Tx slots	23.35	23.49	23.62	24.50	17.35	17.49	17.62	18.50
EDGE 3 Tx slots	21.70	21.82	21.94	23.00	17.44	17.56	17.68	18.74
EDGE 4 Tx slots	20.12	20.23	20.33	21.50	17.12	17.23	17.33	18.50

DSI 2&4&6													
Band	TX Channel	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
		9262	9400	9538		1312	1413	1513		4132	4182	4233	
	Rx Channel	9662	9800	9938		1357	1638	1738		4357	4407	4458	
	Frequency (MHz)	1852.4	1880	1907.8		1712.4	1722.6	1722.6		826.4	836.4	846.8	
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	23.05	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	21.46	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	TX Channel	CDMA BC0			Tune-up Limit (dBm)
		1013	384	777	
	Frequency (MHz)	824.7	836.52	848.31	
	RC1 S055	23.75	23.92	23.93	25.00
	RC3 S055	23.73	23.98	23.90	25.00
	RC3 S032 (F+SCH)	23.72	23.94	23.92	25.00
	RC3 S032 (SCH)	23.71	23.95	23.92	25.00
	RETAP 153.6Mbps	23.77	23.95	23.94	25.00
	RETAP 409.6Mbps	23.74	23.94	23.91	25.00



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.	Tune-up limit (dBm)	MPR (dB)	Channel									
Frequency (MHz)										1890								
20	QPSK	1	0	23.02	22.73	22.81	24	0	Channel									
Frequency (MHz)										1890								
20	QPSK	1	49	22.83	22.61	22.68			23	1	Channel							
Frequency (MHz)											1890							
20	QPSK	1	99	22.71	22.59	22.64					22	2	Channel					
Frequency (MHz)													1890					
20	QPSK	50	0	22.08	21.82	21.88	21	3					Channel					
Frequency (MHz)											1890							
20	QPSK	50	24	22.07	21.82	21.84					20	2	Channel					
Frequency (MHz)													1890					
20	QPSK	50	50	21.95	21.78	21.85	20	3			Channel							
Frequency (MHz)											1890							
20	QPSK	100	0	22.06	21.80	21.76					20	2	Channel					
Frequency (MHz)										1890								
20	16QAM	1	0	22.38	22.10	22.19			22	1			Channel					
Frequency (MHz)													1890					
20	16QAM	1	49	22.22	22.01	22.02							21	1	Channel			
Frequency (MHz)															1890			
20	16QAM	1	99	22.04	21.83	22.03									20	2	Channel	
Frequency (MHz)										1890								
20	16QAM	50	0	21.11	20.83	20.78			20	2							Channel	
Frequency (MHz)													1890					
20	16QAM	50	24	21.09	20.83	20.86	20	2					Channel					
Frequency (MHz)											1890							
20	16QAM	50	50	20.96	20.79	20.85					20	2	Channel					
Frequency (MHz)										1890								
20	16QAM	100	0	21.06	20.78	20.79			20	2			Channel					
Frequency (MHz)													1890					
20	64QAM	1	0	21.27	20.93	20.97	22	2					Channel					
Frequency (MHz)											1890							
20	64QAM	1	49	21.05	20.83	20.93					21	3	Channel					
Frequency (MHz)										1890								
20	64QAM	1	99	20.88	20.79	20.90			20	2			Channel					
Frequency (MHz)													1890					
20	64QAM	50	0	20.24	19.85	19.91	21	3					Channel					
Frequency (MHz)											1890							
20	64QAM	50	24	20.10	19.85	19.89					20	2	Channel					
Frequency (MHz)										1890								
20	64QAM	50	50	19.88	19.81	19.90			20	2			Channel					
Frequency (MHz)													1890					
20	64QAM	100	0	20.08	19.85	19.81	20	2					Channel					
Frequency (MHz)											1890							
Channel											1890							
Frequency (MHz)										1890								
15	QPSK	1	0	22.95	22.69	22.80			24	0	Channel							
Frequency (MHz)											1890							
15	QPSK	1	37	22.80	22.54	22.62	23	1			Channel							
Frequency (MHz)											1890							
15	QPSK	1	74	22.67	22.56	22.55					22	2	Channel					
Frequency (MHz)										1890								
15	QPSK	36	0	22.04	21.72	21.78			21	3			Channel					
Frequency (MHz)													1890					
15	QPSK	36	20	21.99	21.73	21.79	20	2					Channel					
Frequency (MHz)											1890							
15	QPSK	36	39	21.93	21.71	21.78					20	2	Channel					
Frequency (MHz)										1890								
15	QPSK	75	0	22.04	21.74	21.81			22	2			Channel					
Frequency (MHz)													1890					
15	16QAM	1	0	22.31	22.08	22.19	21	3					Channel					
Frequency (MHz)											1890							
15	16QAM	1	37	22.19	21.97	21.94					20	2	Channel					
Frequency (MHz)										1890								
15	16QAM	1	74	22.01	21.91	22.01			20	2			Channel					
Frequency (MHz)													1890					
15	16QAM	36	0	21.10	20.81	20.73	22	2					Channel					
Frequency (MHz)											1890							
15	16QAM	36	20	21.08	20.76	20.80					21	3	Channel					
Frequency (MHz)										1890								
15	16QAM	36	39	20.95	20.76	20.79			20	2			Channel					
Frequency (MHz)													1890					
15	16QAM	75	0	20.98	20.74	20.78	20	2					Channel					
Frequency (MHz)											1890							
15	64QAM	1	0	21.24	20.90	20.87					22	2	Channel					
Frequency (MHz)										1890								
15	64QAM	1	37	21.09	20.80	20.89			21	3			Channel					
Frequency (MHz)													1890					
15	64QAM	1	74	20.87	20.73	20.82	20	2					Channel					
Frequency (MHz)											1890							
15	64QAM	36	0	20.10	19.82	19.77					21	3	Channel					
Frequency (MHz)										1890								
15	64QAM	36	20	20.08	19.83	19.81			20	2			Channel					
Frequency (MHz)													1890					
15	64QAM	36	39	19.89	19.76	19.84	20	2					Channel					
Frequency (MHz)											1890							
15	64QAM	75	0	20.06	19.75	19.71					20	2	Channel					
Frequency (MHz)										1890								
Channel										1890								
Frequency (MHz)										1890								
10	QPSK	1	0	23.00	22.73	22.78	24	0	Channel									
Frequency (MHz)										1890								
10	QPSK	1	25	22.80	22.60	22.67			23	1	Channel							
Frequency (MHz)											1890							
10	QPSK	1	49	22.67	22.51	22.60					23	1	Channel					
Frequency (MHz)													1890					
10	QPSK	25	0	22.05	21.79	21.81	23	1					Channel					
Frequency (MHz)										1890								
10	QPSK	25	12	22.02	21.77	21.82			23	1			Channel					
Frequency (MHz)											1890							
10	QPSK	25	25	21.93	21.76	21.84					23	1	Channel					
Frequency (MHz)													1890					
10	QPSK	50	0	22.03	21.72	21.71	23	1					Channel					
Frequency (MHz)										1890								
10	16QAM	1	0	22.29	22.03	22.09			23	1			Channel					
Frequency (MHz)											1890							
10	16QAM	1	25	22.22	21.93	22.02					22	2	Channel					
Frequency (MHz)													1890					
10	16QAM	1	49	22.00	21.83	21.97	22	2					Channel					
Frequency (MHz)										1890								
10	16QAM	25	0	21.09	20.81	20.73			22	2			Channel					
Frequency (MHz)											1890							
10	16QAM	25	12	21.06	20.78	20.79					22	2	Channel					
Frequency (MHz)													1890					
10	16QAM	25	25	20.96	20.72	20.85	22	2					Channel					
Frequency (MHz)										1890								
10	16QAM	50	0	21.01	20.70	20.76			22	2			Channel					
Frequency (MHz)											1890							
10	64QAM	1	0	21.21	20.87	20.85					22	2	Channel					
Frequency (MHz)													1890					
10	64QAM	1	25	21.03	20.74	20.85	22	2					Channel					
Frequency (MHz)										1890								
10	64QAM	1	49	20.78	20.78	20.80			22	2			Channel					
Frequency (MHz)											1890							
10	64QAM	25	0	20.04	19.75	19.78					21	3	Channel					
Frequency (MHz)													1890					
10	64QAM	25	12	20.08	19.76	19.80	21	3					Channel					
Frequency (MHz)										1890								
10	64QAM	25	25	19.94	19.71	19.84			20	2			Channel					
Frequency (MHz)											1890							
10	64QAM	50	0	19.99	19.75	19.71					20	2	Channel					
Frequency (MHz)													1890					
Channel													1890					
Frequency (MHz)										1890								
5	QPSK	1	0	22.97	22.67	22.76	24	0	Channel									
Frequency (MHz)										1890								
5	QPSK	1	12	22.78	22.57	22.63			23	1	Channel							
Frequency (MHz)											1890							
5	QPSK	1	24	22.64	22.53	22.54					23	1	Channel					
Frequency (MHz)													1890					
5	QPSK	12	0	22.31	21.98	21.84	23	1					Channel					
Frequency (MHz)										1890								
5	QPSK	12	7	22.01	21.76	21.82			23	1			Channel					
Frequency (MHz)											1890							
5	QPSK	12	13	21.90	21.70	21.79					23	1	Channel					
Frequency (MHz)													1890					
5	QPSK	25	0	21.96	21.79	21.71	23	1					Channel					
Frequency (MHz)										1890								
5	16QAM	1	0	22.35	22.01	22.01			23	1			Channel					
Frequency (MHz)											1890							
5	16QAM	1	12	22.17	21.92	21.93					22	2	Channel					
Frequency (MHz)													1890					
5	16QAM	1	24	21.98	21.91	21.96	22	2					Channel					
Frequency (MHz)										1890								
5	16QAM	12	0	21.05	20.75	20.78			22	2			Channel					
Frequency (MHz)											1890							
5	16QAM	12	7	21.02	20.83	20.86					22	2	Channel					
Frequency (MHz)													1890					
5	16QAM	12	13	20.92	20.75	20.75	22	2					Channel					
Frequency (MHz)										1890								
5	16QAM	25	0	21.23	20.86	20.92			22	2			Channel					
Frequency (MHz)											1890							
5	64QAM	1	12	21.06	20.81	20.83					22	2	Channel					
Frequency (MHz)													1890					
5	64QAM	1	24	20.86	20.70	20.80	22	2					Channel					
Frequency (MHz)										1890								
5	64QAM	12	0	20.09	19.77	19.74			21	3			Channel					
Frequency (MHz)											1890							
5	64QAM	12	7	20.00	19.81	19.81					21	3	Channel					
Frequency (MHz)													1890					
5	64QAM	12	13	19.89	19.72	19.89	20	2					Channel					
Frequency (MHz)										1890								
5	64QAM	25	0	20.00	19.85	19.81			20	2			Channel					
Frequency (MHz)											1890							
Channel											1890							
Frequency (MHz)											1890							
3	QPSK	1	0	22.94	22.70	22.73	24	0			Channel							
Frequency (MHz)										1890								
3	QPSK	1	7	22.77	22.61	22.58			23	1	Channel							
Frequency (MHz)											1890							
3	QPSK	1	14	22.63	22.57	22.62					23	1	Channel					
Frequency (MHz)													1890					
3	QPSK	8	0	22.08	21.74	21.85	23	1					Channel					
Frequency (MHz)										1890								
3	QPSK	8	4	22.04	21.77	21.83			23	1			Channel					
Frequency (MHz)											1890							
3	QPSK	8	7	21.86	21.74	21.78					23	1	Channel					
Frequency (MHz)													1890					
3	QPSK	15	0	22.05	21.80	21.66	23	1					Channel					
Frequency (MHz)										1890								
3	16QAM	1	0	22.28	22.06	22.01			23	1			Channel					
Frequency (MHz)											1890							
3	16QAM	1	8	22.21	21.98	21.92					23	1	Channel					
Frequency (MHz)													1890					
3	16QAM	1	14	21.95	21.84	22.00	23	1					Channel					
Frequency (MHz)										1890								
3	16QAM	8	0	21.10	20.82	20.78			23	1			Channel					
Frequency (MHz)											1890							
3	16QAM	8	4	21.08	20.74	20.84					23	1	Channel					
Frequency (MHz)													1890					
3	16QAM	8	7	20.90	20.73	20.85	23	1					Channel					
Frequency (MHz)										1890								
3	16QAM	15	0	21.03	20.72	20.76			23	1			Channel					
Frequency (MHz)											1890							
3	64QAM	1	0	21.22	20.91	20.92					23	1	Channel					
Frequency (MHz)													1890					
3	64QAM	1	8	21.04	20.74	20.83	23	1					Channel					
Frequency (MHz)										1890								
3	64QAM	1	14	20.84	20.70	20.86			23	1			Channel					
Frequency (MHz)											1890							
3	64QAM	8	0	20.07	19.77	19.79					23	1	Channel					
Frequency (MHz)													1890					
3	64QAM	8	4	20.06	19.82	19.79	23	1					Channel					
Frequency (MHz)										1890								
3	64QAM	8	7	19.88	19.76	19.80			23	1			Channel					
Frequency (MHz)											1890							
3	64QAM	15	0	20.04	19.84	19.80					23	1	Channel					



Band 4_Ant1 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	20.91	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	20.61	19.97	19.91	21	1				
20	QPSK	50	24	19.97	19.88	19.82						
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	20.20	20.20	21	1				
20	16QAM	1	49	20.10	20.07	20.01						
20	16QAM	1	99	20.04	19.95	19.87						
20	16QAM	50	0	19.98	19.89	19.83						
20	16QAM	50	24	19.00	18.90	18.82						
20	16QAM	50	50	18.91	18.86	18.80						
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	18.85	18.89						
20	64QAM	1	99	18.91	18.86	18.84						
20	64QAM	50	0	18.93	18.87	18.84						
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						
Channel												
Frequency (MHz)												
15	QPSK	1	0	20.86	20.82	20.79	22	0				
15	QPSK	1	37	20.65	20.67	20.61						
15	QPSK	1	74	20.73	20.64	20.54						
15	QPSK	36	0	19.96	19.96	19.81						
15	QPSK	36	20	19.96	19.86	19.75						
15	QPSK	36	39	19.93	19.85	19.78						
15	QPSK	75	0	19.98	19.87	19.74						
15	16QAM	1	0	20.18	20.19	20.25						
15	16QAM	1	37	20.00	20.02	19.95						
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						
15	16QAM	75	0	18.94	18.87	18.75						
15	64QAM	1	0	19.02	19.02	19.06						
15	64QAM	1	37	18.97	18.91	18.83						
15	64QAM	1	74	18.95	18.81	18.76						
15	64QAM	36	0	17.97	17.98	17.84						
15	64QAM	36	20	17.97	17.84	17.78						
15	64QAM	36	39	17.88	17.79	17.78						
15	64QAM	75	0	18.03	17.85	17.79						
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	19.81	19.80						
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						
10	16QAM	1	49	20.02	19.88	19.79						
10	16QAM	25	0	18.95	18.91	18.87						
10	16QAM	25	12	18.99	18.90	18.72						
10	16QAM	25	25	18.81	18.82	18.80						
10	16QAM	50	0	18.91	18.84	18.73						
10	64QAM	1	0	19.05	19.10	19.02						
10	64QAM	1	25	18.85	18.93	18.79						
10	64QAM	1	49	18.88	18.79	18.76						
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						
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	19.91	19.80						
5	QPSK	12	7	19.91	19.82	19.77						
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						
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	18.96	18.87	18.77						
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						
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						
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						
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						
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						
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						
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						
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	20.92	20.88	20.89						
1.4	QPSK	3	1	20.61	20.66	20.64						
1.4	QPSK	3	3	20.66	20.62	20.56						
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						
1.4	16QAM	3	0	20.14	20.29	20.23						
1.4	16QAM											





Band 7_Ant1 DSI 2&4										
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										
				2010	2035	2060				
Frequency (MHz)										
20	QPSK	1	0	22.86	23.22	23.03				
20	QPSK	1	49	22.84	23.20	23.01	24	0		
20	QPSK	1	99	22.80	23.10	22.98				
20	QPSK	50	0	22.05	22.28	22.19				
20	QPSK	50	24	22.01	22.27	22.16				
20	QPSK	50	50	21.95	22.20	22.12	23	1		
20	QPSK	100	0	21.98	22.25	22.18				
20	16QAM	1	0	22.11	22.39	22.38				
20	16QAM	1	49	22.18	22.52	22.42	23	1		
20	16QAM	1	99	22.32	22.55	22.36				
20	16QAM	50	0	20.87	21.20	21.17				
20	16QAM	50	24	21.03	21.28	21.19				
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	20.96	21.18	21.30				
20	64QAM	1	49	21.08	21.40	21.24	22	2		
20	64QAM	1	99	21.26	21.35	20.93				
20	64QAM	50	0	19.91	20.24	20.18				
20	64QAM	50	24	20.05	20.29	20.24				
20	64QAM	50	50	20.06	20.32	20.13	21	3		
20	64QAM	100	0	20.01	20.27	20.20				
Channel										
				2093	2110	21375	Tune-up limit (dBm)	MPR (dB)		
				2007.5	2035	2062.5				
Frequency (MHz)										
15	QPSK	1	0	22.76	23.19	23.03				
15	QPSK	1	37	22.76	23.20	22.93	24	0		
15	QPSK	1	74	22.78	23.08	22.94				
15	QPSK	36	0	22.04	22.26	22.18				
15	QPSK	36	20	21.92	22.19	22.07				
15	QPSK	36	39	21.98	22.20	22.38	23	1		
15	QPSK	75	0	21.90	22.20	22.16				
15	16QAM	1	0	22.08	22.32	22.33				
15	16QAM	1	37	22.18	22.49	22.33	23	1		
15	16QAM	1	74	22.31	22.48	22.34				
15	16QAM	36	0	20.87	21.13	21.10				
15	16QAM	36	20	20.97	21.24	21.19	22	2		
15	16QAM	36	39	21.04	21.18	21.02				
15	16QAM	75	0	20.91	21.13	21.08				
15	64QAM	1	0	20.96	21.08	21.27				
15	64QAM	1	37	21.02	21.30	21.18	22	2		
15	64QAM	1	74	21.18	21.29	20.90				
15	64QAM	36	0	19.81	20.18	20.13				
15	64QAM	36	20	19.96	20.21	20.15				
15	64QAM	36	39	19.97	20.26	20.03	21	3		
15	64QAM	75	0	19.97	20.18	20.18				
Channel										
				2080	2100	21400	Tune-up limit (dBm)	MPR (dB)		
				2005	2035	2065				
Frequency (MHz)										
10	QPSK	1	0	22.84	23.19	23.00				
10	QPSK	1	25	22.74	23.10	22.98	24	0		
10	QPSK	1	49	22.72	23.03	22.90				
10	QPSK	25	0	22.02	22.19	22.16				
10	QPSK	25	12	21.98	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				
10	16QAM	1	0	22.01	22.37	22.35				
10	16QAM	1	25	22.16	22.50	22.38	23	1		
10	16QAM	1	49	22.25	22.48	22.33				
10	16QAM	25	0	20.77	21.14	21.12				
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	20.95	21.17	21.30				
10	64QAM	1	25	20.98	21.31	21.23	22	2		
10	64QAM	1	49	21.25	21.32	20.89				
10	64QAM	25	0	19.88	20.15	20.10				
10	64QAM	25	12	20.00	20.21	20.20				
10	64QAM	25	25	19.97	20.24	20.13	21	3		
10	64QAM	50	0	19.94	20.19	20.17				
Channel										
				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)		
				2002.5	2035	2067.5				
Frequency (MHz)										
5	QPSK	1	0	22.86	23.20	23.03				
5	QPSK	1	12	22.83	23.10	22.96	24	0		
5	QPSK	12	0	21.98	22.22	22.07				
5	QPSK	12	13	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				
5	16QAM	1	0	22.01	22.39	22.38				
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				
5	16QAM	12	7	21.02	21.20	21.09	22	2		
5	16QAM	12	13	20.98	21.23	21.09				
5	16QAM	25	0	20.90	21.17	21.10				
5	64QAM	1	0	20.94	21.08	21.27				
5	64QAM	1	12	21.04	21.38	21.18	22	2		
5	64QAM	1	24	21.18	21.35	20.87				
5	64QAM	12	0	19.86	20.15	20.18				
5	64QAM	12	7	20.05	20.26	20.17				
5	64QAM	12	13	19.99	20.31	20.08	21	3		
5	64QAM	25	0	19.99	20.26	20.12				

Band 7_Ant2 DSI 2&4&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										
				2010	2035	2060				
Frequency (MHz)										
20	QPSK	1	0	21.00	21.17	20.94				
20	QPSK	1	49	20.84	21.13	20.88	22	0		
20	QPSK	1	99	20.74	21.13	20.93				
20	QPSK	50	0	20.07	20.21	20.10				
20	QPSK	50	24	20.02	20.20	20.07				
20	QPSK	50	50	20.04	20.12	19.98	21	1		
20	QPSK	100	0	20.05	20.11	20.06				
20	16QAM	1	0	20.09	20.31	20.23				
20	16QAM	1	49	20.34	20.51	20.24	21	1		
20	16QAM	1	99	20.36	20.46	20.29				
20	16QAM	50	0	18.88	19.16	19.05				
20	16QAM	50	24	19.03	19.22	19.08	20	2		
20	16QAM	50	50	19.04	19.23	19.02				
20	16QAM	100	0	18.99	19.16	19.05				
20	64QAM	1	0	18.93	19.20	19.16				
20	64QAM	1	49	19.05	19.36	19.16	20	2		
20	64QAM	1	99	19.22	19.36	18.96				
20	64QAM	50	0	17.91	18.17	18.08				
20	64QAM	50	24	18.05	18.24	18.11				
20	64QAM	50	50	18.06	18.24	18.01	19	3		
20	64QAM	100	0	18.00	18.20	18.11				
Channel										
				2093	2110	21375	Tune-up limit (dBm)	MPR (dB)		
				2007.5	2035	2062.5				
Frequency (MHz)										
15	QPSK	1	0	20.90	21.09	20.88				
15	QPSK	1	37	20.74	21.11	20.78	22	0		
15	QPSK	1	74	20.73	21.08	20.91				
15	QPSK	36	0	20.06	20.18	20.07				
15	QPSK	36	20	19.96	20.13	20.00				
15	QPSK	36	39	20.00	20.11	19.80	21	1		
15	QPSK	75	0	20.03	20.01	20.06				
15	16QAM	1	0	20.00	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				
15	16QAM	36	20	18.96	19.17	19.05	20	2		
15	16QAM	36	39	19.01	19.21	18.93				
15</										



Band 12_Ant2 DSI 2&4&6&3&5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. #390	Power Middle Ch. / Freq. #395	Power High Ch. / Freq. #190	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	22	1	
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			
10	QPSK	25	25	21.01	21.02	21.03	22	1	
10	QPSK	50	0	21.10	21.13	21.07			
10	16QAM	1	0	21.18	21.16	21.28			
10	16QAM	1	25	21.23	21.29	21.29			
10	16QAM	1	49	21.34	21.34	21.34			
10	16QAM	25	0	20.00	20.09	20.07	21	2	
10	16QAM	25	12	20.10	20.08	20.06			
10	16QAM	25	25	20.08	20.08	20.07			
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	21	2	
10	64QAM	1	49	20.29	20.25	20.18			
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	23	0	
Channel				701.5	707.5	713.5			
5	QPSK	1	0	22.03	22.08	21.83	22	1	
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	21.05	20.98	20.97			
5	QPSK	12	13	20.92	20.98	20.93	22	1	
5	QPSK	25	0	21.09	21.05	21.04			
5	16QAM	1	0	21.16	21.14	21.04			
5	16QAM	1	12	21.18	21.20	21.28			
5	16QAM	1	24	21.29	21.27	21.34			
5	16QAM	12	0	19.91	20.00	19.98	21	2	
5	16QAM	12	7	20.01	20.05	20.04			
5	16QAM	12	13	20.00	20.05	20.02			
5	16QAM	25	0	20.08	20.05	20.03			
5	64QAM	1	0	19.99	20.11	20.05			
5	64QAM	1	12	20.13	20.17	20.23	21	2	
5	64QAM	1	24	20.19	20.19	20.12			
5	64QAM	12	0	19.01	19.02	19.00	20	3	
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			
Channel				23025	23095	23165			
Frequency (MHz)				700.5	707.5	714.5	23	0	
Channel				700.5	707.5	714.5			
3	QPSK	1	0	21.99	21.98	21.85	22	1	
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			
3	QPSK	8	7	21.00	21.01	20.98	22	1	
3	QPSK	15	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			
3	16QAM	1	14	21.28	21.31	21.25			
3	16QAM	8	0	19.93	20.09	19.98	21	2	
3	16QAM	8	4	20.08	19.98	20.00			
3	16QAM	8	7	20.06	20.00	20.00			
3	16QAM	15	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	21	2	
3	64QAM	1	14	20.29	20.25	20.16			
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	15	0	19.10	19.10	19.01	20	3	
Channel				23017	23095	23173			
Frequency (MHz)				699.7	707.5	715.3	23	0	
Channel				699.7	707.5	715.3			
1.4	QPSK	1	0	22.05	22.04	21.90	22	1	
1.4	QPSK	1	3	21.81	21.83	21.82			
1.4	QPSK	1	5	21.88	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			
1.4	QPSK	3	3	20.98	20.94	20.96	22	1	
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			
1.4	16QAM	1	5	21.27	21.31	21.29			
1.4	16QAM	3	0	19.94	20.03	20.02	21	2	
1.4	16QAM	3	1	20.04	20.03	19.96			
1.4	16QAM	3	3	20.05	19.98	20.05			
1.4	16QAM	6	0	20.04	20.06	19.98			
1.4	64QAM	1	0	19.90	20.04	20.10			
1.4	64QAM	1	3	20.20	20.24	20.23	21	2	
1.4	64QAM	1	5	20.24	20.21	20.16			
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_Ant1 DSI 2&4&6&3&5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. #220	Power Middle Ch. / Freq. #225	Power High Ch. / Freq. #225	Tune-up limit (dBm)	MPR (dB)	
Channel				752			24	0	
Frequency (MHz)				752					
10	QPSK	1	0	22.43			23	1	
10	QPSK	1	25	22.32					
10	QPSK	1	49	22.27					
10	QPSK	25	0	21.52					
10	QPSK	25	12	21.48					
10	QPSK	25	25	21.48			23	1	
10	QPSK	50	0	21.52					
10	16QAM	1	0	21.82					
10	16QAM	1	25	21.78					
10	16QAM	1	49	21.68					
10	16QAM	25	0	20.52			22	2	
10	16QAM	25	12	20.49					
10	16QAM	25	25	20.51					
10	16QAM	50	0	20.46					
10	64QAM	1	0	20.70					
10	64QAM	1	25	20.65			22	2	
10	64QAM	1	49	20.61					
10	64QAM	25	0	19.53					
10	64QAM	25	12	19.50					
10	64QAM	25	25	19.53					
10	64QAM	50	0	19.56			21	3	
Channel				23205	23230	23255			
Frequency (MHz)				779.5	782	784.5	24	0	
Channel				779.5	782	784.5			
5	QPSK	1	0	22.38	22.36	22.42	23	1	
5	QPSK	1	12	22.26	22.27	22.28			
5	QPSK	1	24	22.27	22.27	22.22			
5	QPSK	12	0	21.51	21.48	21.47			
5	QPSK	12	7	21.43	21.42	21.42			
5	QPSK	12	13	21.48	21.48	21.46	23	1	
5	QPSK	25	0	21.52	21.43	21.52			
5	16QAM	1	0	21.78	21.77	21.90			
5	16QAM	1	12	21.72	21.71	21.68			
5	16QAM	1	24	21.67	21.64	21.60			
5	16QAM	12	0	20.42	20.50	20.52	22	2	
5	16QAM	12	7	20.41	20.42	20.45			
5	16QAM	12	13	20.47	20.48	20.48			
5	16QAM	25	0	20.40	20.42	20.37			
5	64QAM	1	0	20.64	20.66	20.69			
5	64QAM	1	12	20.55	20.64	20.56	22	2	
5	64QAM	1	24	20.51	20.55	20.55			
5	64QAM	12	0	19.51	19.51	19.48	21	3	
5	64QAM	12	7	19.50	19.49	19.44			
5	64QAM	12	13	19.49	19.47	19.45			
5	64QAM	25	0	19.56	19.51	19.47			
Channel				23205	23230	23255			

Band 13_Ant2 DSI 2&4&6&3&5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. #220	Power Middle Ch. / Freq. #225	Power High Ch. / Freq. #225	Tune-up limit (dBm)	MPR (dB)	
Channel				782			23	0	
Frequency (MHz)				782					
10	QPSK	1	0	21.66			22	1	
10	QPSK	1	25	21.59					
10	QPSK	1	49	21.49					
10	QPSK	25	0	20.84					
10	QPSK	25	12	20.76					
10	QPSK	25	25	20.76			21	2	
10	QPSK	50	0	20.74					
10	16QAM	1	0	21.07					
10	16QAM	1	25	20.97					
10	16QAM	1	49	20.95					
10	16QAM	25	0	19.77			21	2	
10	16QAM	25	12	19.72					
10	16QAM	25	25	19.77					
10	16QAM	50	0	19.73					



Band 17_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				2370	2370	2380			
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	21.86	21.85			
10	QPSK	25	12	21.75	21.77	21.78	23	1	
10	QPSK	25	25	21.70	21.76	21.71			
10	QPSK	50	0	21.78	21.82	21.75			
10	16QAM	1	0	21.94	21.92	21.95	23	1	
10	16QAM	1	25	22.01	22.03	22.02			
10	16QAM	1	49	22.08	22.01	22.03			
10	16QAM	25	0	20.70	20.69	20.70			
10	16QAM	25	12	20.86	20.79	20.76	22	2	
10	16QAM	25	25	20.79	20.80	20.80			
10	16QAM	50	0	20.80	20.75	20.74			
10	64QAM	1	0	20.79	20.76	20.77	22	2	
10	64QAM	1	25	20.92	20.95	20.94			
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				2375	2370	2385			
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			
5	QPSK	12	7	21.69	21.74	21.74	23	1	
5	QPSK	12	13	21.70	21.70	21.64			
5	16QAM	1	0	21.75	21.72	21.68			
5	16QAM	1	0	21.94	21.90	21.92	23	1	
5	16QAM	1	12	21.93	22.01	21.92			
5	16QAM	1	24	21.98	22.00	21.99			
5	16QAM	12	0	20.69	20.64	20.65			
5	16QAM	12	7	20.80	20.74	20.76	22	2	
5	16QAM	12	13	20.79	20.77	20.70			
5	16QAM	25	0	20.78	20.75	20.74			
5	64QAM	1	0	20.72	20.69	20.71	22	2	
5	64QAM	1	12	20.69	20.67	20.69			
5	64QAM	1	24	20.92	20.92	20.92			
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	19.68	19.78			

Band 17_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				2370	2370	2380			
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	21.00			
10	QPSK	25	12	21.13	20.97	20.96	22	1	
10	QPSK	25	25	21.05	20.85	20.92			
10	QPSK	50	0	21.12	20.94	20.91			
10	16QAM	1	0	21.28	21.25	21.25	22	1	
10	16QAM	1	25	21.33	21.33	21.29			
10	16QAM	1	49	21.39	21.33	21.32			
10	16QAM	25	0	20.00	19.98	19.99			
10	16QAM	25	12	20.10	20.07	20.07	21	2	
10	16QAM	25	25	20.10	20.14	20.11			
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				2375	2370	2385			
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			
5	QPSK	12	7	21.06	20.96	20.94	22	1	
5	QPSK	12	13	21.04	20.77	20.80			
5	QPSK	25	0	21.12	20.85	20.83			
5	16QAM	1	0	21.18	21.24	21.25			
5	16QAM	1	12	21.27	21.23	21.25	22	1	
5	16QAM	1	24	21.39	21.27	21.24			
5	16QAM	12	0	20.00	19.98	19.97			
5	16QAM	12	7	20.00	20.06	20.02	21	2	
5	16QAM	12	13	20.02	20.06	20.08			
5	16QAM	25	0	20.03	20.01	20.02			
5	64QAM	1	0	20.07	20.05	20.01	21	2	
5	64QAM	1	12	20.11	20.17	20.22			
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				2675	2685	2690			
Frequency (MHz)				811.5	811.5	811.5			
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			
15	QPSK	36	20	21.66	21.70	21.72	23	1	
15	QPSK	36	39	21.63	21.68	21.70			
15	QPSK	75	0	21.68	21.70	21.70			
15	16QAM	1	0	21.81	21.84	21.87	23	1	
15	16QAM	1	37	21.83	21.91	21.91			
15	16QAM	1	74	21.84	21.86	21.85			
15	16QAM	36	0	20.67	20.72	20.73			
15	16QAM	36	20	20.68	20.69	20.71	22	2	
15	16QAM	36	39	20.71	20.73	20.69			
15	16QAM	75	0	20.70	20.74	20.72			
15	64QAM	1	0	20.76	20.68	20.81	22	2	
15	64QAM	1	37	20.78	20.85	20.84			
15	64QAM	1	74	20.81	20.81	20.75			
15	64QAM	36	0	19.73	19.73	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				2670	2685	2690			
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			
10	QPSK	25	12	21.59	21.63	21.66	23	1	
10	QPSK	25	25	21.61	21.63	21.65			
10	QPSK	50	0	21.62	21.65	21.63			
10	16QAM	1	0	21.89	21.84	21.92			
10	16QAM	1	25	21.82	21.83	21.84	23	1	
10	16QAM	1	49	21.74	21.83	21.85			
10	16QAM	25	0	20.57	20.63	20.72			
10	16QAM	25	12	20.61	20.69	20.65	22	2	
10	16QAM	25	25	20.66	20.72	20.62			
10	16QAM	50	0	20.69	20.73	20.71			
10	64QAM	1	0	20.74	20.65	20.80	22	2	
10	64QAM	1	25	20.74	20.77	20.78			
10	64QAM	1	49	20.80	20.78	20.68			
10	64QAM	25	0	19.70	19.71	19.68			
10	64QAM	25	12	19.61	19.72	19.75	21	3	



Band 26_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				26740	26865	26990			
Frequency (MHz)				819	831.5	844			
15	QPSK	1	0	21.70	21.71	21.98	23	0	
15	QPSK	1	37	21.59	21.70	21.75			
15	QPSK	1	74	21.62	21.62	21.66			
15	QPSK	36	0	20.78	20.82	20.88	22	1	
15	QPSK	36	20	20.74	20.76	20.83			
15	QPSK	36	39	20.75	20.78	20.86			
15	QPSK	75	0	20.71	20.73	20.85			
15	16QAM	1	0	21.68	20.85	21.07	22	1	
15	16QAM	1	37	20.93	21.01	21.07			
15	16QAM	1	74	21.00	20.88	20.97			
15	16QAM	36	0	19.77	19.79	19.92			
15	16QAM	36	20	19.80	19.82	19.83	21	2	
15	16QAM	36	39	19.86	19.87	19.88			
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	20.85			
15	64QAM	36	0	18.92	18.81	18.93	20	3	
15	64QAM	36	20	18.96	18.89	18.90			
15	64QAM	36	39	18.89	18.94	18.96			
15	64QAM	75	0	18.84	18.83	18.92			
Channel				26740	26865	26990			
Frequency (MHz)				819	831.5	844			
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			
10	QPSK	25	0	20.74	20.75	20.78	22	1	
10	QPSK	25	12	20.64	20.72	20.79			
10	QPSK	25	25	20.69	20.78	20.79			
10	QPSK	60	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			
10	16QAM	25	12	19.76	19.74	19.73	21	2	
10	16QAM	25	25	19.77	19.82	19.82			
10	16QAM	60	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	19.81	19.86			
10	64QAM	1	49	19.92	19.95	19.92			
10	64QAM	25	0	18.82	18.74	18.83	20	3	
10	64QAM	25	12	18.76	18.82	18.85			
10	64QAM	25	25	18.86	18.94	18.90			
10	64QAM	60	0	18.76	18.77	18.82			
Channel				26715	26865	27015			
Frequency (MHz)				816.5	831.5	846.5			
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			
5	QPSK	12	0	20.75	20.79	20.84	22	1	
5	QPSK	12	7	20.64	20.72	20.83			
5	QPSK	12	13	20.68	20.72	20.80			
5	QPSK	25	0	20.62	20.63	20.81			
5	16QAM	1	0	20.98	20.95	21.04	22	1	
5	16QAM	1	12	20.86	20.96	21.07			
5	16QAM	1	24	20.90	20.94	20.93			
5	16QAM	12	0	19.72	19.78	19.91			
5	16QAM	12	7	19.75	19.80	19.83	21	2	
5	16QAM	12	13	19.84	19.80	19.86			
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	19.80	19.89			
5	64QAM	1	24	19.92	19.93	19.75			
5	64QAM	12	0	18.80	18.73	18.84	20	3	
5	64QAM	12	7	18.76	18.83	18.87			
5	64QAM	12	13	18.87	18.90	18.96			
5	64QAM	25	0	18.79	18.79	18.81			
Channel				26705	26865	27025			
Frequency (MHz)				816.5	831.5	847.5			
3	QPSK	1	0	21.62	21.67	21.68	23	0	
3	QPSK	1	8	21.55	21.65	21.69			
3	QPSK	1	14	21.61	21.53	21.64			
3	QPSK	8	0	20.74	20.78	20.86	22	1	
3	QPSK	8	4	20.64	20.72	20.73			
3	QPSK	8	7	20.67	20.74	20.88			
3	QPSK	15	0	20.64	20.70	20.85			
3	16QAM	1	0	20.99	20.93	21.02	22	1	
3	16QAM	1	8	20.86	20.97	20.99			
3	16QAM	1	14	20.99	20.96	20.93			
3	16QAM	8	0	19.74	19.75	19.82			
3	16QAM	8	4	19.71	19.72	19.73	21	2	
3	16QAM	8	7	19.77	19.83	19.82			
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			
3	64QAM	8	0	18.78	18.74	18.84	20	3	
3	64QAM	8	4	18.78	18.86	18.83			
3	64QAM	8	7	18.83	18.90	18.93			
3	64QAM	15	0	18.80	18.73	18.90			
Channel				26997	26865	27033			
Frequency (MHz)				814.7	831.5	848.3			
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	6	21.52	21.60	21.65			
1.4	QPSK	3	0	21.61	21.69	21.75			
1.4	QPSK	3	1	21.58	21.66	21.65			
1.4	QPSK	3	3	21.60	21.53	21.66	22	1	
1.4	QPSK	6	0	20.64	20.72	20.83			
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			
1.4	16QAM	3	1	20.97	20.95	21.03			
1.4	16QAM	3	3	20.91	20.92	20.87			
1.4	16QAM	6	0	19.74	19.83	19.80	21	2	
1.4	64QAM	1	0	19.83	19.75	19.94			
1.4	64QAM	1	3	19.79	19.89	19.91			
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			
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&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				13072	13022	13072			
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	99	22.68	22.67	22.54			
20	QPSK	50	0	21.99	21.89	21.81	23	1	
20	QPSK	50	24	21.94	21.84	21.79			
20	QPSK	50	50	21.91	21.86	21.79			
20	QPSK	100	0	21.98	21.78	21.79			
20	16QAM	1	0	22.23	22.19	22.15	23	1	
20	16QAM	1	49	22.19	22.05	22.05			
20	16QAM	1	99	22.09	21.98	22.02			
20	16QAM	50	0	20.93	20.88	20.86			
20	16QAM	50	24	20.98	20.85	20.83	22	2	
20	16QAM	50	50	20.94	20.87	20.82			
20	16QAM	100	0	20.95	20.79	20.81			
20	64QAM	1	0	21.07	21.05	21.14	22	2	
20	64QAM	1	49	21.02	21.00	20.99			
20	64QAM	1	99	20.97	20.88	20.89			
20	64QAM	50	0	19.98	19.92	19.89	21	3	
20	64QAM	50	24	20.00	19.87	19.84			
20	64QAM	50	50	19.96	19.88	19.82			
20	64QAM	100	0	20.01	19.83	19.81			



Band 66_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													
Frequency (MHz)													
20	QPSK	1	0	20.92	20.87	20.78							
20	QPSK	1	49	20.80	20.69	20.62	22	0					
20	QPSK	1	99	20.75	20.65	20.51							
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							
20	16QAM	1	0	20.22	20.26	20.33							
20	16QAM	1	49	20.16	20.00	19.85	21	1					
20	16QAM	1	99	20.06	19.96	19.85							
20	16QAM	50	0	18.95	18.90	18.82							
20	16QAM	50	24	19.02	18.86	18.79	20	2					
20	16QAM	50	50	18.93	18.85	18.75							
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	18.91	18.77							
20	64QAM	50	0	17.98	17.98	17.84							
20	64QAM	50	24	18.03	17.88	17.82	19	3					
20	64QAM	50	50	17.96	17.87	17.77							
20	64QAM	100	0	18.03	17.86	17.78							
Channel													
Frequency (MHz)													
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							
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							
15	16QAM	1	0	20.20	20.25	20.07							
15	16QAM	1	37	20.14	20.05	19.96	21	1					
15	16QAM	1	74	20.06	19.94	19.79							
15	16QAM	36	0	18.90	18.81	18.75							
15	16QAM	36	20	19.01	18.81	18.78	20	2					
15	16QAM	36	39	18.89	18.76	18.68							
15	16QAM	75	0	18.92	18.80	18.71							
15	64QAM	1	0	19.03	19.00	18.95							
15	64QAM	1	37	19.01	18.94	18.79	20	2					
15	64QAM	1	74	18.86	18.85	18.69							
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							
Channel													
Frequency (MHz)													
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							
10	QPSK	25	0	19.99	19.96	19.77	21	1					
10	QPSK	25	12	19.95	19.87	19.79							
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	21	1					
10	16QAM	1	49	20.04	19.95	19.75							
10	16QAM	25	0	18.88	18.86	18.81							
10	16QAM	25	12	19.00	18.83	18.74	20	2					
10	16QAM	25	25	18.92	18.79	18.65							
10	16QAM	50	0	18.89	18.78	18.74							
10	16QAM	1	0	19.09	18.97	18.91	20	2					
10	64QAM	1	25	18.97	18.91	18.79							
10	64QAM	1	49	18.89	18.83	18.68							
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	17.93	17.76	17.72							
Channel													
Frequency (MHz)													
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	20.69	20.60	20.42							
5	QPSK	12	0	20.01	19.97	19.78	21	1					
5	QPSK	12	7	19.90	19.84	19.68							
5	QPSK	12	13	19.83	19.83	19.71							
5	QPSK	25	0	19.96	19.73	19.69							
5	16QAM	1	0	20.21	20.23	20.06	21	1					
5	16QAM	1	12	20.06	19.99	19.98							
5	16QAM	1	24	19.97	19.89	19.79							
5	16QAM	12	0	18.90	18.80	18.80							
5	16QAM	12	7	19.01	18.86	18.77	20	2					
5	16QAM	12	13	18.99	18.75	18.70							
5	16QAM	25	0	18.88	18.75	18.72							
5	64QAM	1	0	19.13	19.07	18.98							
5	64QAM	1	12	19.00	18.91	18.78	20	2					
5	64QAM	1	24	18.88	18.89	18.71							
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							
Channel													
Frequency (MHz)													
3	QPSK	1	0	20.88	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							
3	QPSK	8	0	19.96	19.94	19.76	21	1					
3	QPSK	8	4	19.99	19.84	19.68							
3	QPSK	8	7	19.90	19.79	19.70							
3	QPSK	15	0	19.90	19.79	19.72							
3	16QAM	1	0	20.20	20.19	20.09	21	1					
3	16QAM	1	8	20.09	19.99	19.93							
3	16QAM	1	14	20.05	19.96	19.78							
3	16QAM	8	0	18.93	18.83	18.77							
3	16QAM	8	4	18.97	18.84	18.78	20	2					
3	16QAM	8	7	18.89	18.78	18.72							
3	16QAM	15	0	18.89	18.82	18.66							
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							
3	64QAM	8	4	18.03	17.87	17.76	19	3					
3	64QAM	8	7	17.96	17.80	17.67							
3	64QAM	15	0	18.00	17.77	17.69							
Channel													
Frequency (MHz)													
1.4	QPSK	1	0	20.88	20.79	20.74	22	0					
1.4	QPSK	1	3	20.77	20.63	20.61							
1.4	QPSK	1	5	20.68	20.55	20.48							
1.4	QPSK	3	0	20.87	20.77	20.75	21	1					
1.4	QPSK	3	1	20.74	20.65	20.62							
1.4	QPSK	3	3	20.70	20.55	20.47							
1.4	16QAM	1	0	19.92	19.77	19.68	21	1					
1.4	16QAM	1	0	20.29	20.23	20.13							
1.4	16QAM	1	3	20.14	20.00	19.94							
1.4	16QAM	1	5	19.98	19.90	19.81	21	1					
1.4	16QAM	3	0	20.21	20.24	20.10							
1.4	16QAM	3	1	20.09	20.00	19.91							
1.4	16QAM	3	3	20.00	19.92	19.76	20	2					
1.4	16QAM	6	0	18.96	18.81	18.75							
1.4	64QAM	1	0	19.09	19.05	18.97							
1.4	64QAM	1	3	19.00	18.85	18.80							
1.4	64QAM	1	5	18.85	18.90	18.69	20	2					
1.4	64QAM	3	0	18.92	18.76	18.66							
1.4	64QAM	3	1	18.88	18.76	18.66							
1.4	64QAM	6	0	19.09	19.00	18.96							
1.4	64QAM	6	0	18.00	17.80	17.77	19	3					

Band 71_Ant1 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													
Frequency (MHz)													
20	QPSK	1	0	22.76	22.85	22.73							
20	QPSK	1											





**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					
GSM 1 Tx slot	32.19	32.28	32.37	33.50	23.19	23.28	23.37	24.50
GPRS 1 Tx slots	32.18	32.32	32.40	33.50	23.18	23.32	23.40	24.50
GPRS 2 Tx slots	29.39	29.01	28.99	30.50	23.38	23.01	22.99	24.50
GPRS 3 Tx slots	27.55	27.08	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 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					
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	25.90	25.42	26.00	16.67	16.90	16.42	17.00
EDGE 2 Tx slots	24.50	24.48	24.32	24.50	16.50	16.48	16.32	16.50
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	TX Channel	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
		9622	9400	9538		1312	1413	1513		4132	4182	4233	
	Rx Channel	9662	9800	9938		1357	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	HSDPA 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	HSDPA 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	HSDPA 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	HSDPA 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	20.18	20.23	20.17	20.70	20.69	20.83	20.82	21.80
3GPP Rel 8	DC-HSDPA Subtest-4	19.52	19.46	19.52	20.10	20.21	20.21	20.16	20.70	20.87	20.90	20.88	21.90
3GPP Rel 6	HSUPA 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	HSUPA 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	HSUPA 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	HSUPA 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	HSUPA 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	TX Channel	CDMA BCD			Tune-up Limit (dBm)
		1013	384	777	
	Frequency (MHz)	824.7	836.52	848.31	
	RC1 5055	23.20	23.47	23.41	24.60
	RC3 5055	23.19	23.46	23.39	24.60
	RC3 5032 (F+SCH)	23.23	23.50	23.45	24.60
	RC3 5032 (+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 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					
GSM 1 Tx slot	31.51	31.52	31.55	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					
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	16.31	16.26	16.29	16.50
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	TX Channel	CDMA BCD			Tune-up Limit (dBm)
		824.7	836.52	848.31	
	Frequency (MHz)	824.7	836.52	848.31	
	RC1 5055	22.14	22.36	22.35	23.40
	RC3 5055	22.11	22.33	22.34	23.40
	RC3 5032 (F+SCH)	22.17	22.39	22.36	23.40
	RC3 5032 (+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	TX Channel	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
		9622	9400	9538		1312	1413	1513		4132	4182	4233	
	Rx Channel	9662	9800	9938		1357	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	20.86	22.00	20.66	20.67	20.48	21.60	22.23	22.28	22.03	22.90
3GPP Rel 6	HSDPA 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	HSDPA Subtest-2	20.58	20.26	20.31	21.00	20.18	20.16	19.98	20.60	21.26	21.26	21.02	21.90
3GPP Rel 6	HSDPA 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	HSDPA 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	HSUPA 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	HSUPA Subtest-2	18.51	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	HSUPA 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	HSUPA Subtest-4	18.63	18.26	18.34	19.00	18.16	18.16	17.95	19.60	20.18	20.21	19.99	20.90
3GPP Rel 6	HSUPA 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.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)					
Channel				18700	19000	19100							
Frequency (MHz)				1860	1880	1900							
20	QPSK	1	0	20.56	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	50	20.39	20.28	20.34							
20	QPSK	100	0	20.50	20.27	20.27	21.3	0					
20	16QAM	1	0	20.50	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	20.42	20.30	20.34	21.3	0					
20	64QAM	1	99	20.32	20.23	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				18675	18800	19125							
Frequency (MHz)				18675	1880	1902.5							
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	20.42	20.27	20.23	21.3	0					
15	QPSK	36	39	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	20.42	20.29	20.26							
15	16QAM	1	0	20.50	20.43	20.33							
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				18650	18800	19150							
Frequency (MHz)				18650	1880	1905							
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	20.32	20.10	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	20.45	20.25	20.29							
10	16QAM	25	12	20.42	20.27	20.34	21.3	0					
10	16QAM	50	0	20.40	20.23	20.24							
10	16QAM	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				18625	18800	19175							
Frequency (MHz)				18625	1880	1907.5							
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	20.48	20.21	20.27							
5	16QAM	12	7	20.52	20.28	20.32							
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				18615	18800	19165							
Frequency (MHz)				18615	1880	1908.5							
3	QPSK	1	0	20.32	20.10	20.19	21.3	0					
3	QPSK	1	8	20.42	20.18	20.28							
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	20.59							
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	20.30							
3	16QAM	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	20.17	19.90	19.98	21	0.3					
3	64QAM	8	7	20.13	19.88	19.98							
3	64QAM	15	0	20.08	19.83	19.90							
Channel				18607	18800	19193							
Frequency (MHz)				18607	1880	1909.3							
1.4	QPSK	1	0	20.32	20.10	20.19	21.3	0					
1.4	QPSK	1	3	20.42	20.18	20.26							
1.4	QPSK	1	5	20.36	20.14	20.21							
1.4	QPSK	3	0	20.42	20.21	20.29	21.3	0					
1.4	QPSK	3	1	20.45	20.21	20.31							
1.4	QPSK	3	3	20.42	20.19	20.27							
1.4	QPSK	6	0	20.41	20.18	20.21	21.3	0					
1.4	16QAM	1	0	20.63	20.46	20.51							
1.4	16QAM	1	3	20.70	20.51	20.56							
1.4	16QAM	1	5	20.67	20.46	20.51	21.3	0					
1.4	16QAM	3	0	20.51	20.24	20.35							
1.4	16QAM	3	1	20.51	20.32	20.36							
1.4	16QAM	3	3	20.48	20.25	20.35	21.3	0					
1.4	16QAM	6	0	20.47	20.22	20.33							
1.4	64QAM	1	0	20.63	20.30	20.44							
1.4	64QAM	1	3	20.66	20.40	20.51	21.3	0					
1.4	64QAM	1	5	20.64	20.34	20.43							
1.4	64QAM	8	0	20.10	19.85	19.94							
1.4	64QAM	8	3	20.17	19.90	19.98	21	0.3					
1.4	64QAM	8	7	20.13	19.88	19.98							
1.4	64QAM	3	3	20.09	19.88	19.98							
1.4	64QAM	6	0	20.01	19.87	19.91	21	0.3					

Band 2_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				18700	18800	19100							
Frequency (MHz)				1860	1880	1900							
20	QPSK	1	0	20.12	19.90	19.92	21	0					
20	QPSK	1	49	20.00	19.78	19.79							
20	QPSK	1	99	19.85	19.79	19.80							
20	QPSK	50	0	20.17	19.96	19.92	21	0					
20	QPSK	50	24	20.16	19.96	20.03							
20	QPSK	50	50	20.04	19.96	20.02							
20	QPSK	100	0	20.15	19.95	19.94	21	0					
20	16QAM	1	0	20.49	20.24	20.29							
20	16QAM	1	49	20.28	20.19	20.20							
20	16QAM	1	99	20.22	20.10	20.19	21	0					
20	16QAM	50	0	20.20	19.98	19.96							
20	16QAM	50	24	20.18	19.98	20.06							
20	16QAM	50	50	20.07	19.99	20.05	21	0					
20	16QAM	100	0	20.17	19.95	19.94							
20	64QAM	1	0	20.41	20.14	20.10							
20	64QAM	1	49	20.33	20.00	20.08	21	0					
20	64QAM	1	99	20.01	19.96	20.03							
20													





Band 4_Ant1_DSI 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												
				1720	1732.5	1745						
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	20.6	0				
20	QPSK	50	24	19.46	19.38	19.31						
20	QPSK	50	49	19.39	19.34	19.29						
20	QPSK	100	0	19.42	19.41	19.28	20.6	0				
20	16QAM	1	0	19.79	19.78	19.71						
20	16QAM	1	49	19.60	19.58	19.51						
20	16QAM	1	99	19.58	19.53	19.42	20.6	0				
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	16QAM	1	0	19.62	19.68	19.52						
20	64QAM	1	0	19.44	19.43	19.40	20.6	0				
20	64QAM	1	49	19.45	19.42	19.35						
20	64QAM	50	0	19.48	19.50	19.45						
20	64QAM	50	24	19.51	19.44	19.36	20.6	0				
20	64QAM	50	50	19.43	19.40	19.33						
20	64QAM	100	0	19.48	19.43	19.34						
Channel												
				2025	2075	2025						
				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	19.40	19.34	19.24	20.6	0				
15	QPSK	36	20	19.43	19.30	19.21						
15	QPSK	36	39	19.26	19.28	19.25						
15	QPSK	75	0	19.40	19.38	19.18	20.6	0				
15	16QAM	1	0	19.77	19.75	19.63						
15	16QAM	1	37	19.52	19.52	19.47						
15	16QAM	1	74	19.50	19.50	19.40	20.6	0				
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	19.22	20.6	0				
15	16QAM	75	0	19.38	19.38	19.25						
15	16QAM	1	0	19.52	19.60	19.61						
15	64QAM	1	0	19.47	19.39	19.35	20.6	0				
15	64QAM	1	37	19.47	19.41	19.29						
15	64QAM	36	0	19.47	19.48	19.45						
15	64QAM	36	20	19.51	19.35	19.32	20.6	0				
15	64QAM	36	39	19.43	19.34	19.26						
15	64QAM	75	0	19.38	19.41	19.28						
Channel												
				2000	2075	2050						
				1715	1732.5	1730						
10	QPSK	1	0	19.31	19.39	19.30	20.6	0				
10	QPSK	1	25	19.17	19.14	19.12						
10	QPSK	1	40	19.40	19.14	19.07						
10	QPSK	25	0	19.46	19.44	19.33	20.6	0				
10	QPSK	25	12	19.45	19.30	19.27						
10	QPSK	25	25	19.31	19.32	19.21						
10	QPSK	50	0	19.39	19.34	19.24	20.6	0				
10	16QAM	1	0	19.69	19.72	19.64						
10	16QAM	1	25	19.51	19.57	19.43						
10	16QAM	1	49	19.49	19.46	19.38	20.6	0				
10	16QAM	25	0	19.38	19.41	19.38						
10	16QAM	25	12	19.42	19.41	19.34						
10	16QAM	25	25	19.38	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	20.6	0				
10	64QAM	1	49	19.45	19.33	19.34						
10	64QAM	25	0	19.42	19.41	19.38						
10	64QAM	25	12	19.43	19.40	19.32	20.6	0				
10	64QAM	25	25	19.42	19.40	19.28						
10	64QAM	50	0	19.40	19.39	19.29						
Channel												
				1975	2075	2075						
				1712.5	1732.5	1737.5						
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	20.6	0				
5	QPSK	12	7	19.39	19.29	19.30						
5	QPSK	12	13	19.29	19.28	19.20						
5	QPSK	25	0	19.35	19.33	19.23	20.6	0				
5	16QAM	1	0	19.69	19.75	19.68						
5	16QAM	1	12	19.51	19.54	19.44						
5	16QAM	1	24	19.52	19.45	19.39	20.6	0				
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	19.28	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	20.6	0				
5	64QAM	1	24	19.36	19.36	19.33						
5	64QAM	12	0	19.44	19.43	19.43						
5	64QAM	12	7	19.48	19.43	19.33	20.6	0				
5	64QAM	12	13	19.37	19.34	19.28						
5	64QAM	25	0	19.46	19.34	19.24						
Channel												
				1967	2075	2083						
				1711	1732.5	1735.5						
3	QPSK	1	0	19.34	19.34	19.29	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	20.6	0				
3	QPSK	8	4	19.38	19.29	19.27						
3	QPSK	8	7	19.36	19.34	19.25						
3	QPSK	15	0	19.38	19.32	19.21	20.6	0				
3	16QAM	1	0	19.72	19.68	19.64						
3	16QAM	1	0	19.67	19.63	19.68						
3	16QAM	1	14	19.55	19.43	19.33	20.6	0				
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	0	19.58	19.62	19.58						
3	64QAM	1	8	19.41	19.44	19.40	20.6	0				
3	64QAM	1	14	19.43	19.41	19.30						
3	64QAM	8	0	19.39	19.50	19.35						
3	64QAM	8	4	19.47	19.38	19.34	20.6	0				
3	64QAM	8	7	19.36	19.36	19.32						
3	64QAM	15	0	19.44	19.33	19.24						
Channel												
				1957	2075	2083						
				1710.7	1732.5	1754.3						
1.4	QPSK	1	0	19.36	19.40	19.35	20.6	0				
1.4	QPSK	1	3	19.17	19.16	19.16						
1.4	QPSK	1	5	19.19	19.08	19.11						
1.4	QPSK	3	0	19.36	19.40	19.40	20.6	0				
1.4	QPSK	3	1	19.39	19.33	19.31						
1.4	QPSK	3	3	19.33	19.30	19.23						
1.4	QPSK	6	0	19.35	19.39	19.17	20.6	0				
1.4	16QAM	1	0	19.77	19.77	19.62						
1.4	16QAM	1	3	19.53	19.52	19.44						
1.4	16QAM	1	5	19.48	19.50	19.32	20.6	0				
1.4	16QAM	3	0	19.45	19.44	19.34						
1.4	16QAM	3	1	19.39	19.32	19.28						
1.4	16QAM	3	3	19.36	19.35	19.22	20.6	0				
1.4	16QAM	6	0	19.39	19.30	19.30						
1.4	64QAM	1	0	19.54	19.62	19.57						
1.4	64QAM	1	3	19.46	19.46	19.31	20.6	0				
1.4	64QAM	1	8	19.38	19.33	19.27						
1.4	64QAM	3	0	19.44	19.44	19.45						
1.4	64QAM	3	0	19.50	19.42	19.29	20.6	0				
1.4	64QAM	3	3	19.39	19.35	19.27						
1.4	64QAM	6	0	19.39	19.43	19.30						

Band 7_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												
				2510	2535	2560						
20	QPSK</											

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				2050	2100	2150			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	21.78	22.02	22.01			
20	QPSK	1	49	21.88	22.19	22.04	23	0	
20	QPSK	1	99	22.03	22.25	22.08			
20	QPSK	50	0	21.92	22.21	22.18			
20	QPSK	50	24	22.07	22.27	22.20	23	0	
20	QPSK	50	50	22.10	22.28	22.14			
20	QPSK	100	0	22.02	22.26	22.21			
20	16QAM	1	0	22.18	22.38	22.36			
20	16QAM	1	49	22.23	22.57	22.41	23	0	
20	16QAM	1	99	22.40	22.56	22.42			
20	16QAM	50	0	21.04	21.22	21.19			
20	16QAM	50	24	21.05	21.29	21.20	23	0	
20	16QAM	50	50	21.12	21.32	21.15			
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	21.26	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			
20	64QAM	50	50	21.08	20.33	20.17	22	1	
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			
15	QPSK	1	37	21.84	22.12	21.96	23	0	
15	QPSK	1	74	21.95	22.24	22.07			
15	QPSK	36	0	21.88	22.21	22.06			
15	QPSK	36	20	21.99	22.26	22.15	23	0	
15	QPSK	36	39	22.10	22.23	22.09			
15	QPSK	75	0	21.84	22.26	22.21			
15	16QAM	1	0	22.09	22.31	22.27			
15	16QAM	1	37	22.15	22.54	22.35	23	0	
15	16QAM	1	74	22.38	22.48	22.41			
15	16QAM	36	0	21.03	21.13	21.15			
15	16QAM	36	20	21.05	21.20	21.18	23	0	
15	16QAM	36	39	21.08	21.26	21.15			
15	16QAM	75	0	21.05	21.20	21.10			
15	64QAM	1	0	21.95	21.17	21.10			
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			
15	64QAM	36	39	21.08	20.25	20.10	22	1	
15	64QAM	75	0	21.02	20.23	20.10			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	21.73	22.01	21.98			
10	QPSK	1	25	21.81	22.09	22.02	23	0	
10	QPSK	1	49	21.98	22.16	22.02			
10	QPSK	25	0	21.91	22.19	22.17			
10	QPSK	25	12	22.02	22.18	22.19	23	0	
10	QPSK	25	25	22.02	22.23	22.10			
10	QPSK	50	0	21.97	22.18	22.17			
10	16QAM	1	0	22.18	22.30	22.27			
10	16QAM	1	25	22.16	22.54	22.34	23	0	
10	16QAM	1	49	22.38	22.56	22.37			
10	16QAM	25	0	21.03	21.20	21.09			
10	16QAM	25	12	21.08	21.27	21.12	23	0	
10	16QAM	25	25	21.07	21.29	21.08			
10	16QAM	50	0	21.03	21.20	21.13			
10	64QAM	1	0	21.85	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			
10	64QAM	25	25	21.06	20.26	20.16	22	1	
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			
5	QPSK	1	12	21.83	22.11	21.94	23	0	
5	QPSK	1	24	21.94	22.15	22.04			
5	QPSK	12	0	21.82	22.13	22.10			
5	QPSK	12	7	22.07	22.23	22.14	23	0	
5	QPSK	12	13	22.10	22.21	22.13			
5	QPSK	25	0	22.01	22.26	22.18			
5	16QAM	1	0	22.17	22.32	22.34			
5	16QAM	1	12	22.20	22.49	22.41	23	0	
5	16QAM	1	24	22.38	22.53	22.36			
5	16QAM	12	0	21.02	21.12	21.10			
5	16QAM	12	7	21.08	21.19	21.20	23	0	
5	16QAM	12	13	21.09	21.25	21.14			
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			
5	64QAM	12	13	20.98	20.29	20.10	22	1	
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				20950	21100	21550			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	19.10	19.48	19.23			
20	QPSK	1	49	19.14	19.42	19.23	21.1	0	
20	QPSK	1	99	19.32	19.29	19.23			
20	QPSK	50	0	19.20	19.54	19.38			
20	QPSK	50	24	19.35	19.29	19.40	21.1	0	
20	QPSK	50	50	19.37	19.47	19.32			
20	QPSK	100	0	19.34	19.51	19.40			
20	16QAM	1	0	19.45	19.63	19.61			
20	16QAM	1	49	19.54	19.78	19.58	21.1	0	
20	16QAM	1	99	19.72	19.83	19.60			
20	16QAM	50	0	19.12	19.30	19.20			
20	16QAM	50	24	19.15	19.36	19.21	21.1	0	
20	16QAM	50	50	19.19	19.37	19.15			
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	64QAM	50	50	18.21	18.38	18.15	20.1	1	
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			
15	QPSK	1	37	19.11	19.40	19.21	21.1	0	
15	QPSK	1	74	19.28	19.44	19.21			
15	QPSK	36	0	19.13	19.42	19.37			
15	QPSK	36	20	19.31	19.46	19.36	21.1	0	
15	QPSK	36	39	19.35	19.47	19.24			
15	QPSK	75	0	19.34	19.51	19.38			
15	16QAM	1	0	19.38	19.57	19.59			
15	16QAM	1	37	19.52	19.69	19.49	21.1	0	
15	16QAM	1	74	19.71	19.83	19.52			
15	16QAM	36	0	19.11	19.22	19.13			
15	16QAM	36	20	19.12	19.29	19.11	21.1	0	
15	16QAM	36	39	19.16	19.29	19.14			
15	16QAM	75	0	19.10	19.27	19.14			
15	64QAM	1	0	19.16	19.27	19.27			
15	64QAM	1	37	19.15	19.42	19.30	21.1	0	
15	64QAM	1	74	19.31	19.41	19.19			
15	64QAM	36	0	18.16	18.24	18.17			
15	64QAM	36	20	18.15	18.39	18.18			
15	64QAM	36	39	18.17	18.31	18.12	20.1	1	
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			
10	QPSK	1	25	19.14	19.42	19.20	21.1	0	
10	QPSK	1	49	19.24	19.42	19.14			
10	QPSK	25	0	19.16	19.42	19.35			
10	QPSK	25	12	19.25	19.46	19.33	21.1	0	
10	QPSK	25	25	19.35	19.44	19.23			
10	QPSK	50	0	19.33	19.44	19.30			
10	16QAM	1	0	19.39	19.69	19.57			
10	16QAM	1	25	19.52	19.77	19.51	21.1	0	
10	16QAM	1	49	19.71	19.74	19.52			
10	16QAM	25	0	19.10	19.24	19.11			
10	16QAM	25	12	19.12	19.27	19.18	21.1	0	
10	16QAM	25	25	19.14	19.33	19.11			
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				



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							Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)									132072	132232	132572
20	QPSK	1	0	21.14	21.12	21.05					
20	QPSK	1	49	21.05	20.98	20.90	22	0			
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	21.06	20.99	22	0			
20	QPSK	50	59	21.14	21.09	21.02					
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	22	0			
20	16QAM	50	50	20.97	20.92	20.81					
20	16QAM	100	0	20.99	20.85	20.83					
20	64QAM	1	0	21.14	21.11	21.02					
20	64QAM	1	49	21.04	20.97	20.93	22	0			
20	64QAM	1	99	21.04	20.98	20.82					
20	64QAM	50	0	19.98	19.96	19.88					
20	64QAM	50	24	20.04	19.91	19.84	21	1			
20	64QAM	50	50	19.98	19.92	19.84					
20	64QAM	100	0	20.04	19.90	19.81					
Channel							Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)									132047	132232	132597
15	QPSK	1	0	21.07	21.08	21.02					
15	QPSK	1	37	21.05	20.93	20.81	22	0			
15	QPSK	1	74	20.91	20.88	20.78					
15	QPSK	36	0	21.05	21.02	20.96					
15	QPSK	36	20	21.08	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	22	0			
15	16QAM	36	39	20.91	20.88	20.78					
15	16QAM	75	0	20.93	20.91	20.75					
15	64QAM	1	0	21.09	21.10	21.01					
15	64QAM	1	37	20.97	20.88	20.85	22	0			
15	64QAM	1	74	20.94	20.96	20.73					
15	64QAM	36	0	19.88	19.89	19.81					
15	64QAM	36	20	19.94	19.88	19.83	21	1			
15	64QAM	36	39	19.90	19.84	19.74					
15	64QAM	75	0	19.94	19.90	19.71					
Channel							Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)									132022	132322	132622
10	QPSK	1	0	21.09	21.02	20.95					
10	QPSK	1	25	21.02	20.91	20.86	22	0			
10	QPSK	1	49	20.96	20.95	20.88					
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	22	0			
10	16QAM	25	25	20.94	20.88	20.72					
10	16QAM	50	0	20.99	20.78	20.75					
10	64QAM	1	0	21.08	21.10	20.95					
10	64QAM	1	25	20.98	20.94	20.83	22	0			
10	64QAM	1	49	21.04	20.88	20.81					
10	64QAM	25	0	19.98	19.94	19.80					
10	64QAM	25	12	20.02	19.83	19.79	21	1			
10	64QAM	25	25	19.90	19.87	19.74					
10	64QAM	50	0	20.00	19.85	19.72					
Channel							Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)									131997	132232	132647
5	QPSK	1	0	21.08	21.02	21.04					
5	QPSK	1	12	21.04	20.97	20.94	22	0			
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	20.86					
5	16QAM	12	7	21.00	20.88	20.73	22	0			
5	16QAM	12	13	20.96	20.82	20.73					
5	16QAM	25	0	20.91	20.78	20.80					
5	64QAM	1	0	21.04	21.10	20.97					
5	64QAM	1	12	20.95	20.88	20.90	22	0			
5	64QAM	1	24	21.02	20.95	20.80					
5	64QAM	12	0	19.88	19.95	19.82					
5	64QAM	12	7	20.02	19.83	19.78	21	1			
5	64QAM	12	13	19.93	19.92	19.82					
5	64QAM	25	0	19.97	19.86	19.76					
Channel							Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)									131887	132232	132632
3	QPSK	1	0	21.05	21.09	20.97					
3	QPSK	1	8	21.03	20.89	20.87	22	0			
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	21.23	21.16	21.11					
3	16QAM	8	0	20.86	20.85	20.82					
3	16QAM	8	4	21.03	20.82	20.75	22	0			
3	16QAM	8	7	20.95	20.85	20.72					
3	16QAM	15	0	20.93	20.77	20.74					
3	64QAM	1	0	21.12	21.05	21.02					
3	64QAM	1	8	20.94	20.91	20.89	22	0			
3	64QAM	1	14	20.95	20.95	20.77					
3	64QAM	8	0	19.97	19.88	19.80					
3	64QAM	8	4	20.03	19.84	19.75	21	1			
3	64QAM	8	7	19.88	19.86	19.78					
3	64QAM	15	0	19.99	19.88	19.76					
Channel							Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)									131879	132232	132665
1.4	QPSK	1	0	21.09	21.09	20.98					
1.4	QPSK	1	3	20.98	20.88	20.86	22	0			
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	21.39					
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	22	0			
1.4	16QAM	3	1	20.96	20.81	20.74					
1.4	16QAM	3	3	20.95	20.86	20.76					
1.4	16QAM	6	0	20.96	20.79	20.82	22	0			
1.4	64QAM	1	0	21.06	21.07	20.97					
1.4	64QAM	1	3	21.00	20.88	20.86	22	0			
1.4	64QAM	1	5	20.98	20.97	20.74					
1.4	64QAM	3	0	21.09	21.06	20.99	22	0			
1.4	64QAM	3	1	20.99	20.79	20.80					
1.4	64QAM	3	3	20.92	20.87	20.74					
1.4	64QAM	6	0	20.00	19.82	19.79	21	1			

Band 66_Ant1 DSI 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							Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)									1720	1745	1770
20	QPSK	1	0	19.43	19.38	19.32					
20	QPSK	1	49	19.29	19.25	19.17	20.6	0			
20	QPSK	1	99	19.23	19.19	19.05					
20	QPSK	50	0	19.48	19.38	19.29					
20	QPSK	50	24	19.43	19.34	19.25	20.6	0			
20	QPSK	50	59	19.41	19.36	19.26					
20	QPSK	100	0	19.45	19.29	19.25					
20	16QAM	1	0	19.78	19.77	19.68					
20	16QAM	1	49	19.67	19.63	19.58	20.6	0			
20	16QAM	1	99	19.60	19.51	19.43					
20	16QAM	50	0	19.44	19.40	19.32					
20	16QAM	50	24	19.52	19.36	19.29	20.6	0			
20	16QAM	50	50	19.45	19.39	19.28					
20	16QAM	100	0	19.45	19.33	19.30					



Band 38_Ant 1 DSI 3										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Time-up limit (dBm)	MPH (dB)		
Channel										
Frequency (MHz)										
20	CPFSK	1	0	18.23	20.15	20.15				
20	CPFSK	1	49	18.47	19.96	20.05				
20	CPFSK	1	94	18.26	19.94	19.94				
20	CPFSK	50	24	18.46	20.05	20.13	21.1	0		
20	CPFSK	50	74	18.25	19.93	19.93				
20	CPFSK	100	0	18.20	20.08	20.20				
20	CPFSK	100	50	18.41	19.92	19.92				
20	16QAM	1	49	18.34	20.08	20.08	21.1	0		
20	16QAM	1	94	18.20	19.98	19.98				
20	16QAM	50	0	20.02	20.08	20.20				
20	16QAM	50	50	20.07	20.12	20.16	21.1	0		
20	16QAM	100	0	18.41	20.02	20.24				
20	64QAM	1	0	18.31	19.71	19.78	21.1	0		
20	64QAM	1	49	18.51	19.82	19.70				
20	64QAM	50	0	18.26	19.81	19.90				
20	64QAM	50	24	18.20	19.88	19.84	21.1	0		
20	64QAM	50	74	18.25	19.92	19.97				
20	64QAM	100	0	18.47	19.81	19.81				
Channel										
Frequency (MHz)										
15	CPFSK	1	0	20.73	20.05	20.25				
15	CPFSK	1	37	18.37	19.89	20.04	21.1	0		
15	CPFSK	1	74	18.28	19.88	19.96				
15	CPFSK	36	0	18.44	20.11	20.20				
15	CPFSK	36	36	18.40	20.11	20.12	21.1	0		
15	CPFSK	72	0	18.21	20.02	20.20				
15	16QAM	1	0	18.28	20.08	20.29				
15	16QAM	1	37	18.26	20.01	20.01	21.1	0		
15	16QAM	1	74	18.27	19.95	20.17				
15	16QAM	36	0	18.26	20.01	20.27				
15	16QAM	36	20	18.26	19.98	20.20	21.1	0		
15	16QAM	36	36	18.29	20.02	20.24				
15	16QAM	72	0	18.49	20.18	20.34				
15	64QAM	1	0	18.26	19.85	19.85				
15	64QAM	1	37	18.25	19.78	19.78	21.1	0		
15	64QAM	1	74	18.26	19.82	19.81				
15	64QAM	36	0	18.51	20.01	20.05				
15	64QAM	36	20	18.50	19.88	19.93	21.1	0		
15	64QAM	36	36	18.54	19.84	19.87				
15	64QAM	72	0	18.46	19.82	19.87				
Channel										
Frequency (MHz)										
10	CPFSK	1	0	18.72	20.12	20.11	21.1	0		
10	CPFSK	1	25	18.28	19.81	19.87				
10	CPFSK	1	49	18.34	19.82	19.88				
10	CPFSK	25	0	18.25	20.10	20.10				
10	CPFSK	25	12	18.74	20.20	20.11	21.1	0		
10	CPFSK	50	0	18.41	19.85	20.14				
10	CPFSK	50	25	18.42	20.15	20.36				
10	16QAM	1	0	18.23	20.18	20.27				
10	16QAM	1	25	18.34	20.18	20.22	21.1	0		
10	16QAM	1	49	18.37	19.95	20.19				
10	16QAM	25	0	20.14	20.08	20.17				
10	16QAM	25	12	18.63	19.88	19.88	21.1	0		
10	16QAM	50	0	18.17	20.02	20.11				
10	16QAM	50	25	18.41	20.02	20.46				
10	64QAM	1	0	18.45	19.87	19.81				
10	64QAM	1	25	18.29	19.78	19.74	21.1	0		
10	64QAM	1	49	18.56	19.89	19.81				
10	64QAM	25	0	18.44	19.89	19.84				
10	64QAM	25	12	18.68	19.79	19.81	21.1	0		
10	64QAM	25	25	18.50	19.84	19.84				
10	64QAM	50	0	18.46	19.79	19.80				
Channel										
Frequency (MHz)										
5	CPFSK	1	0	18.72	20.17	20.15				
5	CPFSK	1	12	18.32	19.88	20.07	21.1	0		
5	CPFSK	1	24	18.41	19.89	19.90				
5	CPFSK	12	0	18.39	20.21	20.16				
5	CPFSK	12	7	18.72	20.10	20.03	21.1	0		
5	CPFSK	12	13	18.60	19.82	20.10				
5	CPFSK	24	0	18.31	20.10	20.43				
5	CPFSK	24	12	18.45	19.87	20.20				
5	16QAM	1	12	18.40	20.12	20.00	21.1	0		
5	16QAM	1	24	18.26	19.89	20.09				
5	16QAM	12	0	20.14	20.03	20.15				
5	16QAM	12	7	18.73	20.02	20.20	21.1	0		
5	16QAM	12	13	18.28	20.07	20.21				
5	64QAM	1	0	18.46	19.81	19.81				
5	64QAM	1	12	18.27	19.82	19.92	21.1	0		
5	64QAM	1	12	18.36	19.80	19.81				
5	64QAM	1	24	18.50	19.85	19.83				
5	64QAM	12	0	18.46	19.80	20.10				
5	64QAM	12	7	18.67	19.79	20.10	21.1	0		
5	64QAM	12	13	18.28	19.80	20.00				
5	64QAM	24	0	18.43	19.84	20.00				

Band 38_Ant 1 DSI 5										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Time-up limit (dBm)	MPH (dB)		
Channel										
Frequency (MHz)										
20	CPFSK	1	0	18.41	18.37	18.37			19.1	0
20	CPFSK	1	49	18.25	18.27	18.23				
20	CPFSK	1	94	18.20	18.20	18.23				
20	CPFSK	50	24	18.38	18.30	18.28			19.1	0
20	CPFSK	50	74	18.38	18.20	18.28				
20	CPFSK	100	0	18.38	18.40	18.38				
20	CPFSK	100	50	18.42	18.40	18.38				
20	16QAM	1	49	18.31	18.36	18.24			19.1	0
20	16QAM	1	94	18.20	18.30	18.28				
20	16QAM	50	0	18.40	18.35	18.23				
20	16QAM	50	50	18.40	18.41	18.41	19.1	0		
20	16QAM	100	0	18.42	18.40	18.38				
20	64QAM	1	0	18.06	18.04	17.99			19.1	0
20	64QAM	1	49	18.19	18.21	18.14				
20	64QAM	1	99	18.09	18.12	18.15				
20	64QAM	50	0	18.39	18.43	18.23			19.1	0
20	64QAM	50	24	18.41	18.43	18.40				
20	64QAM	50	74	18.43	18.41	18.42				
20	64QAM	100	0	18.41	18.39	18.40			Time-up limit (dBm)	MPH (dB)
Channel										
Frequency (MHz)										
15	CPFSK	1	0	20.73	20.05	20.25			19.1	0
15	CPFSK	1	37	18.37	18.14	18.17				
15	CPFSK	1	74	18.28	18.14	18.20				
15	CPFSK	36	0	18.14	18.14	18.20			19.1	0
15	CPFSK	36	36	18.20	18.12	18.13				
15	CPFSK	72	0	18.17	18.21	18.24				
15	16QAM	1	0	18.17	18.21	18.20			19.1	0
15	16QAM	1	37	18.14	18.20	18.14				
15	16QAM	36	0	18.19	18.20	18.23				
15	16QAM	36	20	18.14	18.12	18.20	19.1	0		
15	16QAM	36	36	18.21	18.17	18.21				
15	16QAM	72	0	18.13	18.17	18.11				
15	64QAM	1	0	18.16	18.17	18.17			19.1	0
15	64QAM	1	37	18.16	18.17	18.17				
15	64QAM	1	74	18.15	18.15	18.20				
15	64QAM	36	0	18.14	18.17	18.21				
15	64QAM	36	20	18.15	18.14	18.11	19.1	0		
15	64QAM	36	36	18.15	18.14	18.11				
15	64QAM	72	0	18.16	18.16	18.20				
Channel										
Frequency (MHz)										
10	CPFSK	1	0	18.13	18.12	18.12			19.1	0
10	CPFSK	1	25	18.17	18.14	18.12				
10	CPFSK	1	49	18.11	18.13	18.10				
10	CPFSK	25	0	18.16	18.13	18.20				
10	CPFSK	25	12	18.12	18.12	18.13			19.1	0
10	CPFSK	50	0	18.14	18.10	18.13				
10	CPFSK	50	25	18.12	18.11	18.16				
10	16QAM	1	0	18.19	18.15	18.14			19.1	0
10	16QAM	1	25	18.20	18.11	18.19				
10	16QAM	1	49	18.19	18.05	18.14				
10	16QAM	25	0	18.12	18.11	18.12			19.1	0
10	16QAM	25	12	18.12	18.11	18.21				
10	16QAM	50	0	18.13	18.10	18.20				
10	16QAM	50	25	18.11	18.13	18.17				
10	64QAM	1	0	18.11	18.12	18.11			19.1	0
10	64QAM	1	25	18.15	18.12	18.15				
10	64QAM	1	49	18.11	18.13	18.11				
10	64QAM	25	0	18.13	18.12	18.21	19.1	0		
10	64QAM	25	12	18.17	18.17	18.21				
10	64QAM	50	0	18.14	18.18	18.21				
Channel										
Frequency (MHz)										
5	CPFSK	1	0	18.13	18.13	18.13			19.1	0
5	CPFSK	1	12	18.16	18.20	18.19				
5	CPFSK	1	24	18.11	18.19	18.19				
5	CPFSK	12	0	18.13	18.13	18.12			19.1	0
5	CPFSK	12	7	18.19	18.17	18.21				
5	CPFSK	12	13	18.19	18.17	18.21				
5	CPFSK	24	0	18.14	18.15	18.17				
5	CPFSK	24	12	18.18	18.17	18.20				



Band 38_Ant 2 DSI 5											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac)	Power High Ch. (Frac)	Power Low Mid Ch. (Frac)	Power High Mid Ch. (Frac)	Power Low Edge Ch. (Frac)	Power High Edge Ch. (Frac)	Turn-up limit (dBm)	Margin (dB)
Channel											
Channel	Frequency (MHz)			37650	38000	38160					
20	OFDM	1	0	13.50	13.50	13.50					
20	OFDM	1	48	16.95	16.95	16.95				21	0
20	OFDM	1	96	18.90	18.90	18.90					
20	OFDM	30	4	20.05	19.85	19.75				21	0
20	OFDM	30	24	20.05	19.85	19.75					
20	OFDM	100	0	20.05	19.85	19.75					
20	OFDM	100	48	19.95	19.95	19.75				21	0
20	OFDM	50	0	19.95	19.95	19.75					
20	OFDM	50	48	19.95	19.95	19.75					
20	OFDM	50	96	19.95	19.95	19.75				20	1
20	OFDM	1	0	18.75	18.85	18.95				20	1
20	OFDM	1	48	18.85	18.85	18.95					
20	OFDM	30	4	18.75	18.85	18.95				20	1
20	OFDM	30	24	18.75	18.85	18.95					
20	OFDM	100	0	18.75	18.85	18.95					
20	OFDM	100	48	18.75	18.85	18.95				19	2
20	OFDM	50	0	18.75	18.85	18.95					
Channel											
Channel	Frequency (MHz)			2017.5	2065	2012.5					
15	OFDM	1	0	16.54	16.66	16.66					
15	OFDM	1	37	16.56	16.66	16.66				21	0
15	OFDM	1	74	16.56	16.66	16.66					
15	OFDM	36	0	19.54	19.50	19.74					
15	OFDM	36	36	19.54	19.50	19.74				21	0
15	OFDM	72	0	19.54	19.50	19.74					
15	OFDM	72	36	19.54	19.50	19.74					
15	OFDM	1	0	20.10	19.99	19.89				21	0
15	OFDM	1	74	20.01	19.95	19.71					
15	OFDM	36	0	19.14	19.11	19.72					
15	OFDM	36	36	19.14	19.11	19.72				20	1
15	OFDM	72	0	19.14	19.11	19.72					
15	OFDM	72	36	19.14	19.11	19.72				20	1
15	OFDM	1	0	18.67	18.86	18.46					
15	OFDM	1	48	18.66	18.97	18.95				20	1
15	OFDM	36	0	18.66	18.97	18.95					
15	OFDM	36	36	18.66	18.97	18.95				19	2
15	OFDM	72	0	18.66	18.97	18.95					
15	OFDM	72	36	18.66	18.97	18.95				19	2
Channel											
Channel	Frequency (MHz)			3760	4000	3800					
10	OFDM	1	0	18.96	19.86	19.76				21	0
10	OFDM	1	48	20.01	19.79	19.72					
10	OFDM	30	0	18.94	19.89	19.69					
10	OFDM	30	12	18.93	20.02	19.76				21	0
10	OFDM	30	24	18.97	20.05	19.69					
10	OFDM	50	0	19.97	20.05	19.69				21	0
10	OFDM	50	24	19.90	20.05	19.69					
10	OFDM	1	0	19.90	19.87	19.87				21	0
10	OFDM	1	48	20.00	19.95	19.85					
10	OFDM	25	0	19.00	19.80	19.80				20	1
10	OFDM	25	48	19.00	19.80	19.80					
10	OFDM	50	0	19.00	19.80	19.80					
10	OFDM	50	48	19.00	19.80	19.80				20	1
10	OFDM	1	0	18.75	18.85	18.95					
10	OFDM	1	48	18.75	18.85	18.95				20	1
10	OFDM	25	0	18.75	18.85	18.95					
10	OFDM	25	48	18.75	18.85	18.95				19	2
10	OFDM	50	0	18.75	18.85	18.95					
Channel											
Channel	Frequency (MHz)			3775	3800	3825					
5	OFDM	1	0	18.07	19.05	19.02					
5	OFDM	1	12	18.06	19.19	19.05				21	0
5	OFDM	1	24	18.06	19.04	19.04					
5	OFDM	12	0	18.04	19.85	19.74					
5	OFDM	12	12	18.04	19.85	19.74				21	0
5	OFDM	25	0	18.03	19.05	19.02					
5	OFDM	25	12	18.03	19.05	19.02				21	0
5	OFDM	1	0	18.03	19.05	19.02					
5	OFDM	1	12	18.03	19.05	19.02				21	0
5	OFDM	1	24	18.03	19.05	19.02					
5	OFDM	12	0	19.07	19.89	19.69				20	1
5	OFDM	12	12	19.07	19.89	19.69					
5	OFDM	25	0	19.07	19.89	19.69					
5	OFDM	25	12	19.07	19.89	19.69				20	1
5	OFDM	1	0	18.81	18.92	18.43					
5	OFDM	1	12	18.81	18.92	18.43				20	1
5	OFDM	12	0	18.81	18.92	18.43					
5	OFDM	12	12	18.81	18.92	18.43				19	2
5	OFDM	25	0	18.81	18.92	18.43					
5	OFDM	25	12	18.81	18.92	18.43				19	2

Band 41_Ant 1 DSI 3											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac)	Power Low Mid Ch. (Frac)	Power High Mid Ch. (Frac)	Power High Edge Ch. (Frac)	Power Low Edge Ch. (Frac)	Power High Edge Ch. (Frac)	Turn-up limit (dBm)	Margin (dB)
Channel											
Channel	Frequency (MHz)			4090	4185	4200	4185	4160			
20	OFDM	1	0	22.02	21.81	21.44	21.33	21.33			
20	OFDM	1	48	20.33	20.37	20.34	20.32	20.34		21	0
20	OFDM	1	96	20.35	20.43	20.37	20.37	20.35			
20	OFDM	50	24	20.35	20.47	20.45	20.40	20.45		21	0
20	OFDM	50	72	20.41	20.53	20.48	20.52	20.48			
20	OFDM	100	0	20.52	20.55	20.56	20.47	20.55			
20	OFDM	100	48	20.52	20.55	20.56	20.47	20.55			
20	OFDM	1	48	20.48	20.51	20.47	20.47	20.44		21	0
20	OFDM	1	96	20.51	20.51	20.51	20.51	20.51			
20	OFDM	50	0	20.47	20.53	20.48	20.43	20.52			
20	OFDM	50	48	20.54	20.55	20.49	20.47	20.47		21	0
20	OFDM	100	0	20.52	20.52	20.54	20.56	20.52			
20	OFDM	100	48	20.51	20.11	20.10	20.03	20.20		21	0
20	OFDM	1	48	20.00	20.00	19.99	20.00	20.01		21	0
20	OFDM	1	96	20.05	20.08	19.98	20.07	20.05			
20	OFDM	50	0	20.33	20.32	20.28	20.28	20.28			
20	OFDM	50	24	20.27	20.37	20.27	20.32	20.27		21	0
20	OFDM	100	0	20.26	20.33	20.26	20.28	20.26			
20	OFDM	100	24	20.33	20.33	20.27	20.26	20.27			
Channel											
Channel	Frequency (MHz)			2013	248.5	263	253.8	255.2			
15	OFDM	1	0	19.27	19.33	19.33	19.28	19.28			
15	OFDM	1	37	19.24	19.34	19.34	19.24	19.24		21	0
15	OFDM	1	74	19.29	19.41	19.37	19.28	19.28			
15	OFDM	36	0	20.25	20.43	20.39	20.30	20.41			
15	OFDM	36	36	20.37	20.43	20.41	20.48	20.41		21	0
15	OFDM	72	0	20.41	20.48	20.41	20.48	20.41			
15	OFDM	72	36	20.48	20.48	20.44	20.43	20.43			
15	OFDM	1	0	20.51	20.59	20.39	20.50	20.47		21	0
15	OFDM	1	74	20.51	20.50	20.37	20.40	20.40			
15	OFDM	36	0	20.47	20.44	20.41	20.42	20.47			
15	OFDM	36	36	20.45	20.55	20.44	20.45	20.40		21	0
15	OFDM	72	0	20.47	20.48	20.48	20.46	20.48			
15	OFDM	72	36	20.51	20.50	20.48	20.48	20.48			
15	OFDM	1	0	19.00	20.03	19.03	20.02	19.36			
15	OFDM	1	37	19.00	20.02	19.02	20.07	19.65		21	0
15	OFDM	36	0	20.26	20.28	20.21	20.24	20.21			
15	OFDM	36	36	20.28	20.28	20.29	20.28	20.28		21	0
15	OFDM	72	0	20.30	20.30	20.17	20.20	20.28			
15	OFDM	72	36	20.30	20.30	20.17	20.20	20.28		21	0
Channel											
Channel	Frequency (MHz)			3090	4180	4180	4180	4150			
10	OFDM	1	0	20.21	20.27	20.24	20.22	20.27		21	0
10	OFDM	1	48	20.31	20.41	20.29	20.30	20.29			
10	OFDM	30	0	20.29	20.31	20.32	20.22	20.29			
10	OFDM	30	12	20.27	20.45	20.45	20.45	20.45		21	0
10	OFDM	30	24	20.35	20.30	20.34	20.44	20.41			
10	OFDM	50	0	20.48	20.39	20.45	20.37	20.39			
10	OFDM	50	24	20.50	20.06	20.09	20.07	20.31		21	0
10	OFDM	1	0	20.41	20.42	20.36	20.38	20.28			
10	OFDM	1	48	20.45	20.43	20.37	20.34	20.45			
10	OFDM	25	0	20.43	20.42	20.41	20.35	20.45		21	0
10	OFDM	25	12	20.43	20.45	20.45	20.45	20.45			
10	OFDM	50	0	20.42	20.45	20.44	20.44	20.38			
10	OFDM	50	24	20.45	20.45	20.42	20.38	20.42		21	0
10	OFDM	1	0	19.00	20.07	19.00	19.00	19.00			
10	OFDM	1	24	19.08	20.02	19.08	19.04	19.02		21	0
10	OFDM	1	48	19.00	20.00	19.00	19.00	19.00			
10	OFDM	25									





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				168800	167300	167800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				834	836.5	839			
20	PI/2 BPSK	1	1	23.18	23.21	23.13			
20	PI/2 BPSK	1	53	23.13	23.16	23.09	24.0	0.0	
20	PI/2 BPSK	1	104	23.05	23.06	23.09			
20	PI/2 BPSK	50	0	23.01	23.09	23.01			
20	PI/2 BPSK	50	28	22.96	23.04	22.96	24.0	0.0	
20	PI/2 BPSK	50	56	22.96	23.02	22.96			
20	PI/2 BPSK	100	0	21.19	22.99	21.22	23.5	0.5	
20	QPSK	1	1	23.09	23.22	23.06			
20	QPSK	1	53	23.10	23.24	23.06	24.0	0.0	
20	QPSK	1	104	23.01	23.13	23.01			
20	QPSK	50	0	22.93	23.01	22.96			
20	QPSK	50	28	22.94	23.05	22.87	24.0	0.0	
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			
20	16QAM	1	53	22.75	22.79	22.61	23.0	1.0	
20	16QAM	1	104	22.67	22.62	22.59			
20	16QAM	50	0	22.48	22.48	22.52			
20	16QAM	50	28	22.35	22.30	22.50	23.0	1.0	
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			
20	64QAM	1	53	21.09	21.29	21.23	21.5	2.5	
20	64QAM	1	104	21.01	21.12	21.16			
20	64QAM	50	0	20.92	20.93	21.16			
20	64QAM	50	28	20.92	20.93	21.13	21.5	2.5	
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			
20	256QAM	1	53	19.13	19.24	19.11	19.5	4.5	
20	256QAM	1	104	19.02	19.07	18.97			
20	256QAM	50	0	18.83	19.06	18.87			
20	256QAM	50	28	18.80	18.94	18.67	19.5	4.5	
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	PI/2 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			
15	16QAM	1	40	22.18	22.20	22.20	23.0	1.0	
15	16QAM	1	77	22.18	22.13	22.18			
15	16QAM	36	0	22.20	22.14	22.11			
15	16QAM	36	22	22.21	22.14	22.02	23.0	1.0	
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			
15	64QAM	1	40	20.98	21.05	20.90	21.5	2.5	
15	64QAM	1	77	20.99	20.94	20.99			
15	64QAM	36	0	20.97	21.07	20.85			
15	64QAM	36	22	20.90	20.94	20.91	21.5	2.5	
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			
15	256QAM	1	40	18.84	18.88	18.81	19.5	4.5	
15	256QAM	1	77	18.86	18.85	18.89			
15	256QAM	36	0	18.80	18.87	18.80			
15	256QAM	36	22	18.88	18.95	18.86	19.5	4.5	
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				168800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	PI/2 BPSK	1	1	23.11	22.98	23.10			
10	PI/2 BPSK	1	26	23.10	22.90	22.97	24.0	0.0	
10	PI/2 BPSK	1	50	22.98	22.86	22.94			
10	PI/2 BPSK	25	0	22.97	22.93	23.10			
10	PI/2 BPSK	25	14	22.98	22.94	22.96	24.0	0.0	
10	PI/2 BPSK	25	27	22.91	22.82	22.95			
10	PI/2 BPSK	50	0	22.31	22.22	22.34	23.5	0.5	
10	QPSK	1	1	23.05	22.90	23.04			
10	QPSK	1	26	23.03	22.72	22.88	24.0	0.0	
10	QPSK	1	50	22.96	22.73	23.00			
10	QPSK	25	0	23.05	22.76	23.02			
10	QPSK	25	14	22.93	22.74	22.99	24.0	0.0	
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			
10	16QAM	1	26	22.12	22.72	22.16	23.0	1.0	
10	16QAM	1	50	22.08	22.72	22.10			
10	16QAM	25	0	22.17	22.74	22.12			
10	16QAM	25	14	22.22	22.73	22.10	23.0	1.0	
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			
10	64QAM	1	26	20.84	21.36	20.84	21.5	2.5	
10	64QAM	1	50	20.85	21.34	20.84			
10	64QAM	25	0	20.87	21.31	21.01			
10	64QAM	25	14	20.76	21.19	20.97	21.5	2.5	
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			
10	256QAM	1	26	18.68	18.93	18.87	19.5	4.5	
10	256QAM	1	50	18.63	18.91	18.96			
10	256QAM	25	0	18.69	18.84	18.93			
10	256QAM	25	14	18.77	18.88	19.04	19.5	4.5	
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			
20	PI/2 BPSK	1	53	23.88	23.84	23.72	24.0	0.0	
20	PI/2 BPSK	1	104	23.86	23.75	23.68			
20	PI/2 BPSK	50	0	23.67	23.77	23.68			
20	PI/2 BPSK	50	28	23.70	23.73	23.63	24.0	0.0	
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			
20	QPSK	1	53	23.15	23.27	22.92	24.0	0.0	
20	QPSK	1	104	21.45	21.35	21.36			
20	QPSK	50	0	22.61	22.66	22.77			
20	QPSK	50	28	23.61	23.80	23.84	24.0	0.0	
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			
20	16QAM	1	53	20.73	20.62	20.83	23.0	1.0	
20	16QAM	1	104	20.73	20.61	20.81			
20	16QAM	50	0	20.77	20.49	20.92			
20	16QAM	50	28	20.77	20.55	20.72	23.0	1.0	
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			
20	64QAM	1	53	20.55	20.64	20.63	21.5	2.5	
20	64QAM	1	104	20.58	20.62	20.75			
20	64QAM	50	0	20.74	20.61	20.68			
20	64QAM	50	28	20.66	20.65	20.73	21.5	2.5	
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	18.83			
20	256QAM	1	53	18.55	18.28	18.67	19.5	4.5	
20	256QAM	1	104	18.63	18.39	18.67			
20	256QAM	50	0	18.64	18.25	18.65			
20	256QAM	50	28	18.62	18.20	18.81	19.5	4.5	
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			
15	16QAM	1	40	22.62	22.66	22.65	23.0	1.0	
15	16QAM	1	77	22.66	22.61	22.45			
15	16QAM	36	0	22.56	22.54	22.53			
15	16QAM	36	22	22.64	22.60	22.50	23.0	1.0	
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			
15	64QAM	1	40	21.23	21.22	21.05	21.5	2.5	
15	64QAM	1	77	21.18	21.14	21.17			
15									



Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (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 (dBm)	MPR (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	23.85	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	23.87	23.69	23.61		
5	QPSK	1	23	23.56	23.72	23.60		
5	QPSK	12	0	23.88	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 Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				506202	516598	526000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	23.42	23.80	23.79			
100	PI/2 BPSK	1	137	23.40	23.72	23.77	24.0	0.0	
100	PI/2 BPSK	1	271	23.36	23.77	23.70			
100	PI/2 BPSK	155	0	23.27	23.19	23.62	24.0	0.0	
100	PI/2 BPSK	155	69	23.21	23.73	23.52			
100	PI/2 BPSK	155	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			
100	QPSK	1	137	23.40	23.83	23.67	24.0	0.0	
100	QPSK	1	271	23.31	23.95	23.60			
100	QPSK	155	0	23.19	22.56	23.60			
100	QPSK	155	69	23.20	23.74	23.49	24.0	0.0	
100	QPSK	155	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			
100	16QAM	1	137	22.83	22.83	22.58	23.0	1.0	
100	16QAM	1	271	22.87	22.71	22.59			
100	16QAM	135	0	22.90	22.73	22.48			
100	16QAM	135	69	22.90	22.81	22.55	23.0	1.0	
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			
100	64QAM	1	137	20.99	21.25	21.02	21.5	2.5	
100	64QAM	1	271	21.01	21.33	21.13			
100	64QAM	135	0	21.07	21.34	21.00			
100	64QAM	135	69	21.07	21.17	20.97	21.5	2.5	
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			
100	256QAM	1	137	19.04	18.87	18.10	19.5	4.5	
100	256QAM	1	271	19.08	18.80	18.09			
100	256QAM	135	0	19.16	18.88	18.99			
100	256QAM	135	69	19.22	18.89	19.00	19.5	4.5	
100	256QAM	135	138	19.06	18.95	18.12			
100	256QAM	270	0	18.91	18.84	18.96	19.5	4.5	
Channel				506200	516598	526000			
Frequency (MHz)				2641	2692.99	2644.98			
90	PI/2 BPSK	1	1	23.47	23.80	23.83			
90	PI/2 BPSK	1	120	23.33	23.79	23.75	24.0	0.0	
90	PI/2 BPSK	1	243	23.39	23.69	23.67			
90	PI/2 BPSK	120	0	23.47	23.79	23.81			
90	PI/2 BPSK	120	60	23.34	23.60	23.76	24.0	0.0	
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			
90	QPSK	1	120	23.47	23.68	23.60	24.0	0.0	
90	QPSK	1	243	23.44	23.67	23.66			
90	QPSK	120	0	23.34	23.62	23.75			
90	QPSK	120	60	23.29	23.59	23.72	24.0	0.0	
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			
90	16QAM	1	120	22.69	22.83	22.58	23.0	1.0	
90	16QAM	1	243	22.74	22.88	22.70			
90	16QAM	120	0	22.81	22.70	22.68			
90	16QAM	120	60	22.80	22.86	22.55	23.0	1.0	
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			
90	64QAM	1	120	21.19	21.18	21.21	21.5	2.5	
90	64QAM	1	243	21.05	21.20	21.14			
90	64QAM	120	0	21.02	21.32	21.14			
90	64QAM	120	60	21.15	21.23	21.08	21.5	2.5	
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	19.23	19.03	19.38			
90	256QAM	1	120	19.26	18.91	19.33	19.5	4.5	
90	256QAM	1	243	19.26	18.92	19.37			
90	256QAM	120	0	19.25	18.94	19.34			
90	256QAM	120	60	19.25	18.84	19.19	19.5	4.5	
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	518598	529998			
Frequency (MHz)				2536.02	2592.99	2649.99			
80	PI/2 BPSK	1	1	23.46	23.72	23.77			
80	PI/2 BPSK	1	109	23.43	23.67	23.73	24.0	0.0	
80	PI/2 BPSK	1	215	23.31	23.54	23.69			
80	PI/2 BPSK	108	0	23.41	23.56	23.57			
80	PI/2 BPSK	108	55	23.41	23.53	23.63	24.0	0.0	
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			
80	QPSK	1	109	23.47	23.66	23.64	24.0	0.0	
80	QPSK	1	215	23.37	23.52	23.62			
80	QPSK	108	0	23.42	23.66	23.53			
80	QPSK	108	55	23.47	23.58	23.73	24.0	0.0	
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			
80	16QAM	1	109	22.79	22.78	22.76	23.0	1.0	
80	16QAM	1	215	22.78	22.80	22.76			
80	16QAM	108	0	22.83	22.77	22.70			
80	16QAM	108	55	22.74	22.77	22.84	23.0	1.0	
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			
80	64QAM	1	109	20.95	21.35	21.23	21.5	2.5	
80	64QAM	1	215	21.00	21.31	21.22			
80	64QAM	108	0	21.03	21.31	21.19			
80	64QAM	108	55	21.02	21.34	21.26	21.5	2.5	
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			
80	256QAM	1	109	18.65	18.81	18.56	19.5	4.5	
80	256QAM	1	215	18.61	18.88	18.57			
80	256QAM	108	0	18.65	18.84	18.66			
80	256QAM	108	55	18.62	18.92	18.72	19.5	4.5	
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 (dBm)	MPR (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 (dBm)	MPR (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 (dBm)	MPR (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 (dBm)	MPR (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 Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	516598	523990			
Frequency (MHz)				2545.01	2592.99	2640			
100	PI/2 BPSK	1	1	18.24	18.24	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			
100	QPSK	1	137	18.24	18.27	18.13			
100	QPSK	1	271	18.32	18.36	18.16	18.7	0.0	
100	QPSK	135	0	18.24	18.28	18.07			
100	QPSK	135	69	18.19	18.23	17.99			
100	QPSK	135	138	18.51	18.58	18.44	18.7	0.0	
100	QPSK	270	0	18.30	18.35	18.18			
100	16QAM	1	1	18.25	18.30	18.07			
100	16QAM	1	137	18.17	18.23	18.07	18.7	0.0	
100	16QAM	1	271	18.19	18.32	18.10			
100	16QAM	135	0	18.13	18.22	17.98			
100	16QAM	135	69	18.21	18.24	18.06	18.7	0.0	
100	16QAM	135	138	18.29	18.41	18.18			
100	16QAM	270	0	18.10	18.22	18.04			
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			
100	256QAM	1	137	18.02	18.09	17.92			
100	256QAM	1	271	18.18	18.21	18.02	18.7	0.0	
100	256QAM	135	0	18.18	18.27	18.09			
100	256QAM	135	69	18.22	18.30	18.07			
100	256QAM	135	138	18.17	18.23	18.08	18.7	0.0	
100	256QAM	270	0	18.06	18.11	17.92			
Channel				506200	516598	523996			
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			
90	QPSK	1	120	18.14	18.24	18.04			
90	QPSK	1	243	18.27	18.28	18.20	18.7	0.0	
90	QPSK	120	0	18.16	18.21	18.09			
90	QPSK	120	60	18.14	18.15	18.05			
90	QPSK	120	120	18.52	18.52	18.34	18.7	0.0	
90	QPSK	240	0	18.25	18.28	18.12			
90	16QAM	1	1	18.26	18.29	18.06			
90	16QAM	1	120	18.17	18.20	18.09	18.7	0.0	
90	16QAM	1	243	18.28	18.29	18.13			
90	16QAM	120	0	18.12	18.21	18.06			
90	16QAM	120	60	18.12	18.23	18.03	18.7	0.0	
90	16QAM	120	120	18.34	18.39	18.19			
90	16QAM	240	0	18.11	18.21	17.98			
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			
90	256QAM	1	120	19.26	18.91	19.33			
90	256QAM	1	243	19.26	18.92	19.37	18.7	0.0	
90	256QAM	120	0	19.25	18.94	19.34			
90	256QAM	120	60	19.25	18.84	19.19			
90	256QAM	120	120	19.24	18.92	19.32	18.7	0.0	
90	256QAM	240	0	19.23	18.90	19.22			
Channel				507204	516598	523996			
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			
80	QPSK	1	109	18.06	18.18	18.01			
80	QPSK	1	215	18.21	18.22	18.11	18.7	0.0	
80	QPSK	108	0	18.06	18.18	18.02			
80	QPSK	108	55	18.08	18.12	17.97			
80	QPSK	108	109	18.45	18.40	18.30	18.7	0.0	
80	QPSK	216	0	18.23	18.28	18.08			
80	16QAM	1	1	18.16	18.28	18.02			
80	16QAM	1	109	18.10	18.10	18.03	18.7	0.0	
80	16QAM	1	215	18.27	18.24	18.11			
80	16QAM	108	0	18.10	18.13	18.03			
80	16QAM	108	55	18.04	18.21	18.00	18.7	0.0	
80	16QAM	108	109	18.34	18.34	18.18			
80	16QAM	216	0	18.09	18.16	17.91			
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			
80	256QAM	1	109	18.65	18.81	18.56			
80	256QAM	1	215	18.61	18.88	18.57	18.7	0.0	
80	256QAM	108	0	18.65	18.84	18.66			
80	256QAM	108	55	18.62	18.92	18.72			
80	256QAM	108	109	18.57	18.81	18.71	18.7	0.0	
80	256QAM	216	0	18.56	18.74	18.43			



Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (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 (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
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 (dBm)	MPR (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	17.84	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 (dBm)	MPR (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-Contiguous	7A-7A	7	20	2535	21100	QPSK	1	0	M	7	20	2880	3350	23.20	23.22			
		66A-66A	66	20	1720	132072	QPSK	1	0	L	66	20	2190	67236	23.04	22.88			
	Contiguous	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	2139.6	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	2880	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								Ch	SCC1				SCC2				SCC3				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	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	23.85	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	22.81	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
41955	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
41955	40857	QPSK	1	0	1	99	2	0	19.38	19.8
41490	41292	QPSK	1	0	1	99	2	0	19.84	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	20.8	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

2.4GHz WLAN						
Ant 4						
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		

Power Table 2

2.4GHz WLAN						
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		9.00	97.92
		2	2417	Not Required	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 6

2.4GHz WLAN						
Ant 4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
2.4GHz WLAN	802.11b 1Mbps	1	2412	14.38	15.00	100.00
		6	2437	14.37	15.00	
		11	2462	14.36	15.00	
	802.11g 6Mbps	1	2412		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	97.92
		2	2417	Not Required	15.00	
		6	2437		15.00	
		10	2457		15.00	
		11	2462		15.00	
	802.11n-HT40 MCS0	3	2422		15.00	93.33
		6	2437		15.00	
		9	2452		15.00	

5GHz WLAN

5.2GHz WLAN						
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	20.00	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	
	802.11ac-VHT40 MCS0	48	5240	16.90	17.50	95.88
		38	5190	13.60	14.00	
		46	5230	19.50	20.00	
	802.11ac-VHT80 MCS0	42	5210	12.20	13.00	91.84

5.2GHz WLAN						
Ant 4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.2GHz WLAN	802.11a 6Mbps	36	5180		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	
	802.11ac-VHT40 MCS0	48	5240		10.50	95.88
		38	5190		10.50	
		46	5230		10.50	
	802.11ac-VHT80 MCS0	42	5210	9.23	10.50	91.84

5.2GHz WLAN						
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		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	
	802.11ac-VHT40 MCS0	48	5240		15.50	95.88
		38	5190		15.50	
		46	5230		15.50	
	802.11ac-VHT80 MCS0	42	5210		15.50	91.84

5GHz WLAN

5.3GHz WLAN						
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	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

5.3GHz WLAN						
Ant 4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.3GHz WLAN	802.11a 6Mbps	52	5260		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

5GHz WLAN

5.5GHz WLAN						
Ant 4						
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	
		128	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		
140		5700	16.20	17.50		
144		5720	16.30	17.50		
802.11ac-VHT40 MCS0	102	5510	17.10	18.00	95.88	
	110	5550	19.10	20.00		
	128	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		

5.5GHz WLAN						
Ant 4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.5GHz WLAN	802.11a 6Mbps	100	5500		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		15.00	
		124	5620		15.00	
		132	5660		15.00	
		140	5700		15.00	
		144	5720		15.00	
	802.11n-HT40 MCS0	102	5510		15.00	95.88
		110	5550		15.00	
		128	5630		15.00	
		134	5670		15.00	
	802.11ac-VHT20 MCS0	100	5500		15.00	97.94
		116	5580		15.00	
124		5620		15.00		
132		5660		15.00		
140		5700		15.00		
144		5720		15.00		
802.11ac-VHT40 MCS0	102	5510		15.00	95.88	
	110	5550		15.00		
	128	5630		15.00		
	134	5670		15.00		
802.11ac-VHT80 MCS0	106	5530	14.93	15.00	91.84	
	122	5610	14.75	15.00		
	138	5690	14.81	15.00		

5.8GHz WLAN

5.8GHz WLAN						
Ant 4						
Mode	Channel					

**Power Table 7**

2.4GHz WLAN						
Ant 4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11b 1Mbps	1	2412	8.72	9.00	100.00	
	6	2437	8.67	9.00		
	11	2462	9.00	9.00		
802.11g 6Mbps	1	2412	8.65	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	9.00	93.33	
	6	2437		9.00		
	9	2452		9.00		

**Power Table 8**

2.4GHz WLAN						
Ant 4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
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	11.30	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	12.50	93.33	
	6	2437		12.50		
	9	2452		12.50		

**Power Table 9**

2.4GHz WLAN						
Ant 4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
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	17.47	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	15.50	93.33	
	6	2437		15.50		
	9	2452		13.00		

5GHz WLAN						
Ant 4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	36	5180	15.50	15.50	98.06	
	40	5200		15.50		
	44	5220		15.50		
	48	5240		15.50		
802.11n-HT20 MCS0	36	5180	15.50	15.50	98.19	
	40	5200		15.50		
	44	5220		15.50		
	48	5240		15.50		
802.11n-HT40 MCS0	38	5190	15.50	15.50	95.88	
	46	5230		15.50		
802.11ac-VHT20 MCS0	36	5180	15.50	15.50	97.94	
	40	5200		15.50		
	44	5220		15.50		
802.11ac-VHT40 MCS0	38	5190	15.50	15.50	95.88	
	46	5230		15.50		
802.11ac-VHT80 MCS0	42	5210	15.50	15.50	91.84	

5GHz WLAN						
Ant 4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	36	5180	15.50	12.50	98.06	
	40	5200		12.50		
	44	5220		12.50		
	48	5240		12.50		
802.11n-HT20 MCS0	36	5180	15.50	12.50	98.19	
	40	5200		12.50		
	44	5220		12.50		
	48	5240		12.50		
802.11n-HT40 MCS0	38	5190	15.50	12.50	95.88	
	46	5230		12.50		
802.11ac-VHT20 MCS0	36	5180	15.50	12.50	97.94	
	40	5200		12.50		
	44	5220		12.50		
802.11ac-VHT40 MCS0	38	5190	15.50	12.50	95.88	
	46	5230		12.50		
802.11ac-VHT80 MCS0	42	5210	11.40	12.50	91.84	

5GHz WLAN						
Ant 4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
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		
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	

5GHz WLAN						
Ant 4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	52	5260	10.38	10.50	98.06	
	56	5280		10.50		
	60	5300		10.50		
	64	5320		10.50		
802.11n-HT20 MCS0	52	5260	10.38	10.50	98.19	
	56	5280		10.50		
	60	5300		10.50		
	64	5320		10.50		
802.11n-HT40 MCS0	54	5270	10.38	10.50	95.88	
	62	5310		10.50		
802.11ac-VHT20 MCS0	52	5260	10.38	10.50	97.94	
	56	5280		10.50		
	60	5300		10.50		
802.11ac-VHT40 MCS0	54	5270	10.38	10.50	95.88	
	62	5310		10.50		
802.11ac-VHT80 MCS0	58	5290	10.38	10.50	91.84	

5GHz WLAN						
Ant 4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	52	5260	11.23	12.00	98.06	
	56	5280		12.00		
	60	5300		12.00		
	64	5320		12.00		
802.11n-HT20 MCS0	52	5260	11.23	12.00	98.19	
	56	5280		12.00		
	60	5300		12.00		
	64	5320		12.00		
802.11n-HT40 MCS0	54	5270	11.23	12.00	95.88	
	62	5310		12.00		
802.11ac-VHT20 MCS0	52	5260	11.23	12.00	97.94	
	56	5280		12.00		
	60	5300		12.00		
802.11ac-VHT40 MCS0	54	5270	11.23	12.00	95.88	
	62	5310		12.00		
802.11ac-VHT80 MCS0	58	5290	11.23	12.00	91.84	

5GHz WLAN						
Ant 4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
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		
802.11ac-VHT40 MCS0	54	5270	16.60	17.50	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 %	
802.11a 6Mbps	100	5500	9.59	10.00	98.06	
	116	5580		10.00		
	124	5620		10.00		
	132	5660		10.00		
	140	5700		10.00		
802.11n-HT20 MCS0	100	5500	9.59	10.00	98.19	
	116	5580		10.00		
	124	5620		10.00		
	132	5660		10.00		
	140	5700		10.00		
802.11n-HT40 MCS0	100	5500	9.59	10.00	95.88	
	116	5580		10.00		
	124	5620		10.00		
	132	5660		10.00		
	140	5700		10.00		
802.11ac-VHT20 MCS0	100	5500	9.59	10.00	97.94	
	116	5580		10.00		
	124	5620		10.00		
	132	5660		10.00		
	140	5700		10.00		
802.11ac-VHT40 MCS0	100	5500	9.59	10.00	95.88	
	116	5580		10.00		
	124	5620		10.00		
	132	5660		10.00		
	140	5700		10.00		
802.11ac-VHT80 MCS0	100	5500	9.59	10.00	91.84	
	116	5580		9.59		
	124	5620		9.15		
	132	5660		9.14		
	138	5680		10.00		

5GHz WLAN						
Ant 4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	100	5500	11.61	12.00	98.06	
	116	5580		12.00		
	124	5620		12.00		
	132	5660		12.00		
	140	5700		12.00		
802.11n-HT20 MCS0	100	5500	11.61	12.00	98.19	
	116	5580		12.00		
	124	5620		12.00		
	132	5660		12.00		
	140	5700		12.00		
802.11n-HT40 MCS0	100	5500	11.61	12.00	95.88	
	116	5580		12.00		
	124	5620		12.00		
	132	5660		12.00		
	140	5700		12.00		
802.11ac-VHT20 MCS0	100	5500	11.61	12.00	97.94	
	116	5580		12.00		
	124	5620		12.00		
	132	5660		12.00		
	140	5700		12.00		
802.11ac-VHT40 MCS0	100	5500	11.61	12.00	95.88	
	116	5580		12.00		
	124	5620		12.00		
	132	5660		12.00		
	140	5700		12.00		



Power Table 1/3/4/5

2.4GHz WLAN						
Ant 3						
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	18.00	
		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	18.00		
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

2.4GHz WLAN						
Ant 3						
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		9.00	98.06
		2	2417		9.00	
		6	2437		9.00	
		10	2457		9.00	
		11	2462		9.00	
		1	2412		9.00	
		2	2417		9.00	
	802.11n-HT20 MCS0	2	2417		9.00	98.18
		6	2437		9.00	
		10	2457		9.00	
		11	2462		9.00	
		3	2422		9.00	
	802.11n-HT40 MCS0	6	2437		9.00	94.90
		8	2437		9.00	
		9	2452		9.00	

Power Table 6

2.4GHz WLAN						
Ant 3						
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	14.89	15.00	
		11	2462	14.82	15.00	
	802.11g 6Mbps	1	2412		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	

5GHz WLAN						
Ant 3						
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	
		48	5240	17.10	17.50	
	802.11n-HT40 MCS0	38	5190	13.40	14.00	95.85
		46	5230	19.40	20.00	
		38	5180	16.40	17.50	
		40	5200	16.21	17.50	
802.11ac-VHT20 MCS0	44	5220	17.00	17.50	97.15	
	48	5240	17.00	17.50		
	36	5190	13.40	14.00		
	46	5230	19.30	20.00		
802.11ac-VHT80 MCS0	42	5210	12.30	13.00	92.00	

5GHz WLAN						
Ant 3						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.2GHz WLAN	802.11a 6Mbps	36	5180		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	
		48	5240		10.50	
	802.11n-HT40 MCS0	38	5190		10.50	95.85
		46	5230		10.50	
		38	5180		10.50	
		40	5200		10.50	
	802.11ac-VHT20 MCS0	44	5220		10.50	97.15
		48	5240		10.50	
		38	5190		10.50	
		46	5230		10.50	
	802.11ac-VHT80 MCS0	42	5210	9.89	10.50	92.00

5GHz WLAN						
Ant 3						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.2GHz WLAN	802.11a 6Mbps	36	5180		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	
		48	5240		15.50	
	802.11n-HT40 MCS0	38	5190		15.50	95.85
		46	5230		15.50	
		38	5180		15.50	
		40	5200		15.50	
	802.11ac-VHT20 MCS0	44	5220		15.50	97.15
		48	5240		15.50	
		38	5190		15.50	
		46	5230		15.50	
	802.11ac-VHT80 MCS0	42	5210		15.50	92.00

5GHz WLAN						
Ant 3						
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	
		64	5320	17.00	17.50	
	802.11n-HT40 MCS0	54	5270	19.20	20.00	95.85
		62	5310	14.90	15.50	
		52	5260	16.80	17.50	
		56	5280	16.72	17.50	
	802.11ac-VHT20 MCS0	60	5300	17.20	17.50	97.15
		64	5320	16.90	17.50	
		54	5270	19.70	20.00	
		62	5310	14.90	15.50	
	802.11ac-VHT80 MCS0	58	5290	14.50	15.00	92.00

5GHz WLAN						
Ant 3						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.3GHz WLAN	802.11a 6Mbps	52	5260		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	
		64	5320		15.50	
	802.11n-HT40 MCS0	54	5270		15.50	95.85
		62	5310		15.50	
		52	5260		15.50	
		56	5280		15.50	
	802.11ac-VHT20 MCS0	60	5300		15.50	97.15
		64	5320		15.50	
		54	5270		15.50	
		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 %	
5.8GHz 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		
	122	5610	19.00	19.50		
802.11ac-VHT80 MCS0	138	5690	19.10	19.50	92.00	

5GHz WLAN						
Ant 3						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.8GHz WLAN	802.11a 6Mbps	100	5500		15.00	97.09
		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	97.93
		116	5580		15.00	
		124	5620		15.00	
		132	5660		15.00	
		140	5700		15.00	
		144	5720		15.00	
	802.11n-HT40 MCS0	102	5510		15.00	95.85
		110	5550		15.00	
		126	5630		15.00	
		134	5670		15.00	
		142	5710		15.00	
		100	5500		15.00	
	802.11ac-VHT20 MCS0	116	5580		15.00	97.15
		124	5620		15.00	
		132	5660		15.00	
		140	5700		15.00	
		144	5720		15.00	
		102	5510		15.00	
802.11ac-VHT40 MCS0	110	5550		15.00	96.41	
	126	5630		15.00		
	134	5670		15.00		
	142	5710		15.00		
	106	5530	14.20	15.00		
	122	5610	14.49	15.00		
802.11ac-VHT80 MCS0	138	5690	14.52	15.00	92.00	

5GHz WLAN						
Ant 3						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.8GHz						

**Power Table 7**

2.4GHz WLAN						
Ant 3						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
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	Not Required	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	Not Required	9.00	94.90	
	6	2437		9.00		
	9	2452		9.00		

**Power Table 8**

2.4GHz WLAN						
Ant 3						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
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	Not Required	12.50	98.18	
	2	2417		12.50		
	6	2437		12.50		
	10	2457		12.50		
	11	2462		12.50		
802.11n-HT40 MCS0	3	2422	Not Required	12.50	94.90	
	6	2437		12.50		
	9	2452		12.50		

**Power Table 9**

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

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

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

5GHz WLAN						
Ant 3						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	36	5180	Not Required	16.50	97.09	
	40	5200		16.40		
	44	5220		16.60		
	48	5240		16.40		
802.11n-HT20 MCS0	36	5180	Not Required	16.40	97.93	
	40	5200		16.35		
	44	5220		17.00		
	48	5240		17.10		
802.11n-HT40 MCS0	38	5190	Not Required	13.40	95.85	
	46	5230		17.20		
	38	5190		16.40		
	46	5230		17.50		
802.11ac-VHT20 MCS0	40	5200	Not Required	16.21	97.15	
	44	5220		17.00		
	48	5240		17.00		
	38	5190		13.40		
802.11ac-VHT40 MCS0	46	5230	Not Required	17.91	96.41	
	46	5230		18.50		
802.11ac-VHT80 MCS0	42	5210	Not Required	12.30	92.00	

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

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

5GHz WLAN						
Ant 3						
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	Not Required	17.50	97.93	
	56	5280		17.50		
	60	5300		17.50		
	64	5320		17.50		
802.11n-HT40 MCS0	54	5270	Not Required	17.12	95.85	
	62	5310		15.50		
	52	5280		17.50		
	56	5280		17.50		
802.11ac-VHT20 MCS0	56	5280	Not Required	17.50	97.15	
	60	5300		17.50		
	64	5320		17.50		
	54	5270		18.00		
802.11ac-VHT40 MCS0	62	5310	Not Required	15.50	96.41	
	62	5310		15.50		
802.11ac-VHT80 MCS0	58	5290	Not Required	15.00	92.00	

5GHz WLAN						
Ant 3						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	100	5500	Not Required	10.00	97.09	
	116	5580		10.00		
	124	5620		10.00		
	132	5660		10.00		
	140	5700		10.00		
802.11n-HT20 MCS0	100	5500	Not Required	10.00	97.93	
	116	5580		10.00		
	124	5620		10.00		
	132	5660		10.00		
	140	5700		10.00		
802.11n-HT40 MCS0	110	5550	Not Required	10.00	95.85	
	128	5630		10.00		
	134	5670		10.00		
	142	5710		10.00		
	100	5500		10.00		
802.11ac-VHT20 MCS0	116	5580	Not Required	10.00	97.15	
	124	5620		10.00		
	132	5660		10.00		
	140	5700		10.00		
	144	5720		10.00		
802.11ac-VHT40 MCS0	102	5510	Not Required	10.00	96.41	
	110	5550		10.00		
	126	5630		10.00		
	134	5670		10.00		
	142	5710		10.00		
802.11ac-VHT80 MCS0	106	5530	Not Required	8.82	92.00	
	122	5610		8.50		
	138	5690		8.62		

5GHz WLAN						
Ant 3						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	100	5500	Not Required	12.00	97.09	
	116	5580		12.00		
	124	5620		12.00		
	132	5660		12.00		
	140	5700		12.00		
802.11n-HT20 MCS0	100	5500	Not Required	12.00	97.93	
	116	5580		12.00		
	124	5620		12.00		
	132	5660		12.00		
	140	5700		12.00		
802.11n-HT40 MCS0	102	5510	Not Required	12.00	95.85	
	110	5550</				

**Power Table 1/3/4/5**

2.4GHz WLAN		Ant 3+4				
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	23.98	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		
802.11n-HT20 MCS0	10	2457	20.86	21.00	98.19	
	11	2462	17.14	17.50		
	1	2412	17.98	18.50		
802.11n-HT40 MCS0	2	2417	20.12	21.00	93.91	
	6	2437	22.94	23.00		
	10	2457	20.11	21.00		
802.11n-HT40 MCS0	3	2422	18.27	18.50	93.91	
	6	2437	17.25	18.50		
	9	2452	19.23	18.00		

**Power Table 2**

2.4GHz WLAN		Ant 3+4				
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		
802.11n-HT20 MCS0	10	2457		12.00	98.19	
	11	2462		12.00		
	1	2412	Not Required	12.00		
802.11n-HT40 MCS0	2	2417		12.00	93.91	
	6	2437		12.00		
	10	2457		12.00		
802.11n-HT40 MCS0	3	2422		12.00	93.91	
	6	2437		12.00		
	9	2452		12.00		

**Power Table 6**

2.4GHz WLAN		Ant 3+4				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11b 1Mbps	1	2412	17.04	18.00	100.00	
	6	2437	17.18	18.00		
	11	2462	17.23	18.00		
802.11g 6Mbps	1	2412		18.00	97.58	
	2	2417		18.00		
	6	2437		18.00		
802.11n-HT20 MCS0	10	2457		18.00	98.19	
	11	2462		17.50		
	1	2412	Not Required	18.00		
802.11n-HT40 MCS0	2	2417		18.00	93.91	
	6	2437		18.00		
	10	2457		18.00		
802.11n-HT40 MCS0	3	2422		18.00	93.91	
	6	2437		18.00		
	9	2452		18.00		

5GHz WLAN		Ant 3+4				
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		
	38	5190	16.51	17.00		
802.11ac-VHT40 MCS0	46	5230	22.41	23.00	95.88	
	42	5210	18.26	18.00		

5GHz WLAN		Ant 3+4				
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		13.50	95.85	
	46	5230		13.50		
	36	5180	Not Required	13.50		
802.11ac-VHT20 MCS0	40	5200		13.50	97.15	
	44	5220		13.50		
	48	5240		13.50		
	38	5190		13.50		
802.11ac-VHT40 MCS0	46	5230		13.50	95.88	
	42	5210	12.49	13.50		

5GHz WLAN		Ant 3+4				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	36	5180		18.50	97.35	
	40	5200		18.50		
	44	5220		18.50		
	48	5240		18.50		
802.11n-HT20 MCS0	36	5180		18.50	97.93	
	40	5200		18.50		
	44	5220		18.50		
	48	5240		18.50		
802.11n-HT40 MCS0	38	5190		18.50	95.85	
	46	5230		18.50		
	36	5180	Not Required	18.50		
802.11ac-VHT20 MCS0	40	5200		18.50	97.15	
	44	5220		18.50		
	48	5240		18.50		
	38	5190		18.50		
802.11ac-VHT40 MCS0	46	5230		18.50	95.88	
	42	5210		18.50		

5GHz WLAN		Ant 3+4				
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		
	52	5260	19.71	20.50		
802.11ac-VHT20 MCS0	56	5280	19.67	20.50	97.15	
	60	5300	20.06	20.50		
	64	5320	19.76	20.50		
	54	5270	22.37	23.00		
802.11ac-VHT40 MCS0	62	5310	17.86	18.50	95.88	
	58	5290	17.36	18.00		

5GHz WLAN		Ant 3+4				
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		
	52	5260		18.50		
802.11ac-VHT20 MCS0	56	5280		18.50	97.15	
	60	5300		18.50		
	64	5320		18.50		
	54	5270		18.50		
802.11ac-VHT40 MCS0	62	5310		18.50	95.88	
	58	5290	17.87	18.50		

5GHz WLAN		Ant 3+4				
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	19.90	20.50		
	132	5660	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		
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		
802.11ac-VHT20 MCS0	100	5500	20.01	20.50	97.15	
	116	5580	19.84	20.50		
	124	5620	19.90	20.50		
	132	5660	19.78	20.50		
802.11ac-VHT40 MCS0	102	5510	20.16	21.00	95.88	
	110	5550	22.21	23.00		
	126	5630	22.38	23.00		
	134	5670	22.43	23.00		
802.11ac-VHT80 MCS0	106	5530	19.31	20.00	91.84	
	122	5610	21.98	22.50		
	138	5690	21.68	22.50		

5GHz WLAN		Ant 3+4				
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		
	149	5745	22.91	23.00		
802.11n-HT20 MCS0	157	5785	22.88	23.00	97.93	
	165	5825	22.70	23.00		
	151	5755	22.60	23.00		
802.11n-HT40 MCS0	159	5795	22.63	23.00	95.85	
	149	5745	22.95	23.00		
	157	5785	22.94	23.00		
802.11ac-VHT20 MCS0	165	5825	22.70	23.00	97.15	
	151	5755	22.18	23.00		
	159	5795	22.24	23.00		
802.11ac-VHT40 MCS0	159	5795	22.24	23.00	95.88	
	155	5775	21.94	23.00		

5GHz WLAN		Ant 3+4				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	149	5745		14.00	97.35	
	157	5785		14.00		
	165	5825		14.00		
	149	5745		14.00		
802.11n-HT20 MCS0	157	5785		14.00	97.93	
	165	5825		14.00		
	151	5755	Not Required	14.00		
802.11n-HT40 MCS0	159	5795		14.00	95.85	
	149	5745		14.00		
	157	5785		14.00		
802.11ac-VHT20 MCS0	165	5825		14.00	97.15	
	151	5755		14.00		
	159	5795		14.00		
802.11ac-VHT40 MCS0	159	5795		14.00	95.88	
	155	5775	12.45	14.00		

5GHz WLAN		Ant 3+4				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	149	5745		19.00	97.35	
	157	5785		19.00		
	165	5825		19.00		
	149	5745		19.00		
802.11n-HT20 MCS0	157	5785		19.00	97.93	
	165	5825		19.00		
	151	5755	Not Required	19.00		
802.11n-HT40 MCS0	159	5795				





Power Table 7

2.4GHz WLAN						
Ant 3+4						
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		
802.11n-HT20 MCS9	10	2457	Not Required	12.00	98.19	
	11	2462		12.00		
	1	2412		12.00		
802.11n-HT40 MCS9	2	2417	Not Required	12.00	93.91	
	6	2437		12.00		
	3	2422		12.00		
	6	2437		12.00		
	9	2452		12.00		

Power Table 8

2.4GHz WLAN						
Ant 3+4						
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		
802.11n-HT20 MCS9	10	2457	Not Required	15.50	98.19	
	11	2462		15.50		
	1	2412		15.50		
802.11n-HT40 MCS9	2	2417	Not Required	15.50	93.91	
	6	2437		15.50		
	3	2422		15.50		
	6	2437		15.50		
	9	2452		15.50		

Power Table 9

2.4GHz WLAN						
Ant 3+4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11b-1Mbps	1	2412	20.71	21.00	100.00	
	6	2437	20.44	21.00		
	11	2462	20.72	21.00		
802.11g-6Mbps	1	2412	Not Required	18.50	97.58	
	2	2417		21.00		
	6	2437		23.00		
802.11n-HT20 MCS9	10	2457	Not Required	21.00	98.19	
	11	2462		17.50		
	1	2412		18.50		
802.11n-HT40 MCS9	2	2417	Not Required	21.00	93.91	
	6	2437		23.00		
	3	2422		18.50		
	6	2437		18.50		
	9	2452		16.00		

5GHz WLAN						
Ant 3+4						
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		
802.11n-HT20 MCS9	48	5240	Not Required	10.50	97.93	
	36	5180		10.50		
	40	5200		10.50		
802.11n-HT40 MCS9	44	5220	Not Required	10.50	95.85	
	48	5240		10.50		
	38	5190		10.50		
802.11ac-VHT20 MCS9	46	5230	Not Required	10.50	97.15	
	36	5180		10.50		
	40	5200		10.50		
802.11ac-VHT40 MCS9	44	5220	Not Required	10.50	95.88	
	48	5240		10.50		
	38	5190		10.50		
802.11ac-VHT80 MCS9	46	5230	Not Required	10.50	91.84	
	42	5210		10.50		

5GHz WLAN						
Ant 3+4						
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		
802.11n-HT20 MCS9	48	5240	Not Required	15.50	97.93	
	36	5180		15.50		
	40	5200		15.50		
802.11n-HT40 MCS9	44	5220	Not Required	15.50	95.85	
	48	5240		15.50		
	38	5190		15.50		
802.11ac-VHT20 MCS9	46	5230	Not Required	15.50	97.15	
	36	5180		15.50		
	40	5200		15.50		
802.11ac-VHT40 MCS9	44	5220	Not Required	15.50	95.88	
	48	5240		15.50		
	38	5190		15.50		
802.11ac-VHT80 MCS9	46	5230	Not Required	15.50	91.84	
	42	5210		15.40		

5GHz WLAN						
Ant 3+4						
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		
802.11n-HT20 MCS9	48	5240	Not Required	19.41	97.93	
	36	5180		19.67		
	40	5200		19.92		
802.11n-HT40 MCS9	44	5220	Not Required	20.50	95.85	
	48	5240		20.01		
	38	5190		16.56		
802.11ac-VHT20 MCS9	46	5230	Not Required	20.96	97.15	
	36	5180		19.61		
	40	5200		19.76		
802.11ac-VHT40 MCS9	44	5220	Not Required	20.11	95.88	
	48	5240		19.96		
	38	5190		15.51		
802.11ac-VHT80 MCS9	46	5230	Not Required	20.85	91.84	
	42	5210		15.26		

5GHz WLAN						
Ant 3+4						
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		
802.11n-HT20 MCS9	64	5320	Not Required	13.50	97.93	
	52	5260		13.50		
	56	5280		13.50		
802.11n-HT40 MCS9	60	5300	Not Required	13.50	95.85	
	64	5320		13.50		
	54	5270		13.50		
802.11ac-VHT20 MCS9	62	5310	Not Required	13.50	97.15	
	52	5260		13.50		
	56	5280		13.50		
802.11ac-VHT40 MCS9	60	5300	Not Required	13.50	95.88	
	64	5320		13.50		
	54	5270		13.50		
802.11ac-VHT80 MCS9	62	5310	Not Required	13.50	91.84	
	58	5290		13.01		

5GHz WLAN						
Ant 3+4						
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		
802.11n-HT20 MCS9	64	5320	Not Required	15.00	97.93	
	52	5260		15.00		
	56	5280		15.00		
802.11n-HT40 MCS9	60	5300	Not Required	15.00	95.85	
	64	5320		15.00		
	54	5270		15.00		
802.11ac-VHT20 MCS9	62	5310	Not Required	15.00	97.15	
	52	5260		15.00		
	56	5280		15.00		
802.11ac-VHT40 MCS9	60	5300	Not Required	15.00	95.88	
	64	5320		15.00		
	54	5270		15.00		
802.11ac-VHT80 MCS9	62	5310	Not Required	15.00	91.84	
	58	5290		13.96		

5GHz WLAN						
Ant 3+4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a-6Mbps	52	5260	Not Required	20.00	97.35	
	56	5280		20.00		
	60	5300		20.00		
802.11n-HT20 MCS9	64	5320	Not Required	20.00	97.93	
	52	5260		20.50		
	56	5280		20.50		
802.11n-HT40 MCS9	60	5300	Not Required	20.50	95.85	
	64	5320		20.50		
	54	5270		19.91		
802.11ac-VHT20 MCS9	62	5310	Not Required	18.50	97.15	
	52	5260		20.50		
	56	5280		20.50		
802.11ac-VHT40 MCS9	60	5300	Not Required	20.50	95.88	
	64	5320		20.50		
	54	5270		21.00		
802.11ac-VHT80 MCS9	62	5310	Not Required	18.50	91.84	
	58	5290		19.00		

5GHz WLAN						
Ant 3+4						
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		
802.11n-HT20 MCS9	132	5660	Not Required	13.00	97.93	
	140	5700		13.00		
	144	5720		13.00		
802.11n-HT40 MCS9	100	5500	Not Required	13.00	95.85	
	116	5580		13.00		
	124	5620		13.00		
802.11ac-VHT20 MCS9	132	5660	Not Required	13.00	97.15	
	140	5700		13.00		
	144	5720		13.00		
802.11ac-VHT40 MCS9	102	5510	Not Required	13.00	95.88	
	110	5550		13.00		
	126	5630		13.00		
802.11ac-VHT80 MCS9	134	5670	Not Required	13.00	91.84	
	142	5710		13.00		
	100	5500		12.34		
	122	5610	12.67	13.00		
	138	5690	12.11	13.00		

5GHz WLAN						
Ant 3+4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a-6Mbps	100	5500	Not Required	15.00	97.35	
	116	5580		15.00		
	124	5620		15.00		
802.11n-HT20 MCS9	132	5660	Not Required	15.00	97.93	
	140	5700		15.00		
	144	5720		15.00		
802.11n-HT40 MCS9	100	5500	Not Required	15.00	95.85	
	116	5580		15.00		
	124	5620		15.00		
802.11ac-VHT20 MCS9	132	5660	Not Required	15.00	97.15	
	140	5700		15.00		
	144	5720		15.00		
802.11ac-VHT40 MCS9	102	5510	Not Required	15.00	95.88	
	110	5550		15.00		
	126	5630		15.00		
802.11ac-VHT80 MCS9	134	5670	Not Required	15.00	91.84	
	142	5710		14.85		
	106	5530		14.77		
	122	5610	14.77	15.00		
	138	5690	14.80	15.00		

5GHz WLAN						
Ant 3+4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	

## 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



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

The results are shown as follows.

Head																
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)							
									Auto-Tune (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/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)							
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/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)							
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/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)							
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/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)							
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/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)							
CDMA BCO	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/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)							
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/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)							
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/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)							
LTE B7	QPSK	2535	21100	1	0	Left Cheek	0mm	0.186	0.222	0.03	0.30	0.087	0.106	0.172	0.096	0.119
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)							
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/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)							
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/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)							
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/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)							
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/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)							
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/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)							
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/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)							
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/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)							
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/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)							
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/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)							
LTE B66	QPSK	1720	132072	1	0	Left Cheek	0mm	0.137	0.159	0.138	0.40	0.071	0.128	0.043	0.138	0.135
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)							
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/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)							
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/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)							
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/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	DSI 3	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)							
										Auto-Tune (State 38)	0	22	44	66	88	110	132
GSM850	GPRS (4 Tx slots)	824.2	128	N/A	N/A	Back	5mm		0.603	0.765	0.639	0.515	0.125	0.325	0.744	0.63	0.543
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	DSI 3	Measured 1g 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	1.05	0.877	2.3	45	67	89	111	133
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	DSI 5	Measured 1g 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	0.858	0.475	0.827	0.542	0.551	0.361	0.427	0.537
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	DSI 3	Measured 1g 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	0.805	0.651	0.346	0.593	0.527	0.632	0.374	0.484
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	DSI 3	Measured 1g 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	1.08	0.64	1.03	1.049	0.173	0.707	1.059	0.989
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	DSI 5	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)							
CDMA BCO	EVDO 153.6bpsk	836.52	384	N/A	N/A	Back	5mm	Open	0.694	0.783	0.191	0.762	0.4	0.571	0.591	0.505	0.615
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	DSI 5	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)							
LTE B2	QPSK	1880	18900	1	0	Back	5mm	Close	0.628	0.733	0.36	0.312	0.121	0.598	0.274	0.255	0.289
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	DSI 3	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)							
LTE B2_Ant 2	QPSK	1860	18700	1	0	Front	5mm	Open	0.576	0.955	0.753	0.343	0.648	0.124	0.153	0.667	0.706
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	DSI 3	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)							
LTE B7	QPSK	2535	21100	1	0	Bottom Side	5mm	Open	0.62	0.868	0.685	0.361	0.818	0.799	0.514	0.514	0.599
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	DSI 5	Measured 1g 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	1.29	0.669	0.593	0.317	0.64	0.24	0.117	0.817
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	DSI 5	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)							
LTE B12	QPSK	707.5	23095	1	0	Back	5mm	Close	0.386	0.5	0.45	0.079	0.127	0.365	0.479	0.088	0.235
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	DSI 3	Measured 1g 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	0.548	0.451	0.222	0.422	0.108	0.517	0.317	0.482
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	DSI 5	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)							
LTE B13	QPSK	782	23230	1	0	Back	5mm	Close	0.502	0.628	0.616	0.293	0.302	0.578	0.426	0.416	0.466
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	DSI 5	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)							
LTE B13_Ant 2	QPSK	782	23230	1	0	Back	5mm	Close	0.361	0.807	0.776	0.376	0.415	0.405	0.748	0.691	0.731
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	DSI 3	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)							
LTE B26	QPSK	831.5	26865	1	0	Back	5mm	Close	0.636	0.79	0.75	0.778	0.083	0.502	0.655	0.236	0.534
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	DSI 3	Measured 1g 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	0.997	0.319	0.195	0.109	0.805	0.233	0.833	0.768
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	DSI 3	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)							
LTE B41	QPSK	2593	40620	1	0	Bottom Side	5mm	Close	0.759	2.14	0.576	1.128	0.509	0.909	0.262	0.976	0.979
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	DSI 3	Measured 1g 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	1.24	1.2	0.8	0.4	0.381	0.438	0.562	0.599
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	DSI 3	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)							
LTE B66	QPSK	1770	132572	1	0	Bottom Side	5mm	Open	0.679	0.876	0.455	0.474	0.379	0.131	0.106	0.712	0.749
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	DSI 3	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)							
LTE B66_Ant 2	QPSK	1720	132072	1	0	Back	5mm	Close	0.477	0.742	0.378	0.569	0.245	0.34	0.34	0.378	0.528
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	DSI 3	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)							
LTE B71	QPSK	683	133322	1	0	Bottom Side	5mm	Close	0.432	0.997	0.547	0.862	0.347	0.681	0.405	0.357	0.771
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	DSI 3	Measured 1g 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	0.443	0.403	0.146	0.022	0.26	0.393	0.165	0.412