

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 %

^E 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		Burst Average Power (ddbm)			Tune-up Limit (ddbm)	Frame-Average Power (ddbm)			Tune-up Limit (ddbm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot		31.91	32.04	32.05	33.50	22.91	23.04	23.05	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		Burst Average Power (dbm)			Tune-up Limit (dbm)	Frame-Average Power (dbm)			Tune-up Limit (dbm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot		29.46	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		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
No Channel		9662	9800	9938		1537	1638	1738		4357	4407	4468	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.18	22.86	23.01	24.00	23.06	23.07	23.01	24.00	22.87	23.01	22.89	24.00
3GPP Rel 99	RMC 12.2Kbps	23.23	22.95	23.03	24.00	23.10	23.12	23.06	24.00	22.95	23.06	22.96	24.00
3GPP Rel 6	HSDPA Subtest-1	22.26	22.00	22.05	23.00	22.11	22.13	22.08	23.00	21.97	22.07	21.99	23.00
3GPP Rel 6	HSDPA Subtest-2	22.30	22.00	22.04	23.00	22.10	22.16	22.09	23.00	21.99	21.76	21.96	23.00
3GPP Rel 6	HSDPA Subtest-3	21.78	21.50	21.52	22.50	21.63	21.63	21.60	22.50	21.50	21.57	21.15	22.50
3GPP Rel 6	HSDPA Subtest-4	21.78	21.50	21.35	22.50	21.58	21.62	21.60	22.50	21.50	21.23	21.48	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.18	21.99	21.95	23.50	22.06	22.08	22.00	23.50	21.88	22.06	21.94	23.50
3GPP Rel 8	DC-HSDPA Subtest-2	22.30	21.96	21.99	23.50	22.03	22.10	22.05	23.50	21.90	21.76	21.94	23.50
3GPP Rel 8	DC-HSDPA Subtest-3	21.76	21.47	21.52	23.00	21.54	21.60	21.51	23.00	21.42	21.49	21.11	23.00
3GPP Rel 8	DC-HSDPA Subtest-4	21.71	21.42	21.25	23.00	21.52	21.60	21.53	23.00	21.47	21.21	21.43	23.00
3GPP Rel 6	HSUPA Subtest-1	22.27	22.02	22.04	23.00	22.11	22.08	22.04	23.00	21.93	22.08	21.97	23.00
3GPP Rel 6	HSUPA Subtest-2	20.27	19.99	20.06	21.00	20.11	20.11	20.07	21.00	19.93	19.91	19.92	21.00
3GPP Rel 6	HSUPA Subtest-3	21.27	21.00	21.06	22.00	21.10	21.06	21.02	22.00	20.88	20.94	20.88	22.00
3GPP Rel 6	HSUPA Subtest-4	20.28	20.04	19.98	21.00	20.16	20.17	20.10	21.00	19.97	19.94	19.86	21.00
3GPP Rel 6	HSUPA Subtest-5	22.30	22.00	22.10	23.00	22.10	22.10	22.60	23.00	22.00	21.90	21.90	23.00

DSI 2&4&6					
Band		CDMA BC0			Turn-up
TX Channel		1013	384	777	Limit (dBm)
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+SCF)		23.72	23.94	23.92	25.00
RC3 S032 (H+SCF)		23.71	23.95	23.92	25.00
RTAP 153.6Kbps		23.77	23.95	23.94	25.00
RETAP 4096bits		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.	Turn-up limit (dBm)	MPR (dB)				
Channel									18700	18600	18500	18400
Frequency (MHz)												
20	QPSK	1	0	23.02	22.73	22.81	24	0	23	1	22	2
20	QPSK	1	49	22.83	22.61	22.68						
20	QPSK	1	99	22.71	22.59	22.64						
20	QPSK	50	0	22.68	21.82	21.88	23	1	21	3	20	19
20	QPSK	50	24	22.07	21.82	21.84						
20	QPSK	50	50	21.93	21.78	21.85	23	1	20	1	19	18
20	QPSK	100	0	22.06	21.80	21.76						
20	16QAM	1	0	22.35	22.10	22.09	23	1	20	1	19	18
20	16QAM	1	49	22.22	22.02	22.02						
20	16QAM	1	99	22.04	21.93	22.03	22	2	20	2	19	18
20	16QAM	50	0	21.11	20.83	20.78						
20	16QAM	50	24	21.09	20.83	20.86	22	2	20	2	19	18
20	16QAM	50	50	20.96	20.79	20.85						
20	16QAM	100	0	21.06	20.79	20.79	22	2	20	2	19	18
20	64QAM	1	0	21.27	20.93	20.97						
20	64QAM	1	49	21.09	20.83	20.93	22	2	20	2	19	18
20	64QAM	1	99	20.88	20.79	20.80						
20	64QAM	50	0	20.14	19.86	19.87	21	3	20	3	19	18
20	64QAM	50	24	20.10	19.85	19.89						
20	64QAM	50	50	19.98	19.81	19.90	21	3	20	3	19	18
20	64QAM	100	0	20.08	19.85	19.81						
Channel							18075	18000	18125			
Frequency (MHz)												
15	QPSK	1	0	22.95	22.69	22.80	24	0	23	1	22	2
15	QPSK	1	37	22.80	22.54	22.62						
15	QPSK	1	74	22.67	22.56	22.55	23	1	21	3	20	19
15	QPSK	36	0	22.04	21.72	21.78						
15	QPSK	36	20	21.99	21.73	21.79	23	1	20	1	19	18
15	QPSK	36	39	21.93	21.71	21.78						
15	QPSK	75	0	22.04	21.74	21.71	23	1	20	1	19	18
15	16QAM	1	0	22.31	22.06	21.99						
15	16QAM	1	37	22.19	21.97	21.94	23	1	20	1	19	18
15	16QAM	1	74	22.01	21.91	22.01						
15	16QAM	36	0	21.10	20.81	20.73	22	2	20	2	19	18
15	16QAM	36	20	21.08	20.76	20.79						
15	16QAM	36	39	20.95	20.76	20.79	22	2	20	2	19	18
15	16QAM	75	0	20.98	20.74	20.76						
15	64QAM	1	0	21.24	20.90	20.87	22	2	20	2	19	18
15	64QAM	1	37	21.09	20.79	20.86						
15	64QAM	1	74	20.87	20.73	20.86	22	2	20	2	19	18
15	64QAM	36	0	20.10	19.82	19.77						
15	64QAM	36	20	20.08	19.83	19.81	21	3	20	3	19	18
15	64QAM	36	39	19.89	19.76	19.84						
15	64QAM	75	0	20.06	19.75	19.71	21	3	20	3	19	18
15	64QAM	100	0	20.06	19.75	19.71						
Channel							18650	18600	18150			
Frequency (MHz)												
10	QPSK	1	0	23.00	22.73	22.78	24	0	23	1	22	2
10	QPSK	1	25	22.80	22.60	22.67						
10	QPSK	1	49	22.67	22.51	22.60	23	1	21	3	20	19
10	QPSK	25	0	22.05	21.79	21.81						
10	QPSK	25	12	22.02	21.79	21.82	23	1	20	1	19	18
10	QPSK	25	25	21.93	21.76	21.84						
10	QPSK	50	0	22.03	21.72	21.71	23	1	20	1	19	18
10	16QAM	1	0	22.29	22.03	22.09						
10	16QAM	1	25	22.22	21.93	22.02	23	1	20	1	19	18
10	16QAM	1	49	22.09	21.83	21.97						
10	16QAM	25	0	21.09	20.81	20.73	22	2	20	2	19	18
10	16QAM	25	12	21.06	20.78	20.79						
10	16QAM	25	25	20.96	20.72	20.85	22	2	20	2	19	18
10	16QAM	50	0	21.01	20.70	20.76						
10	64QAM	1	0	21.21	20.87	20.86	22	2	20	2	19	18
10	64QAM	1	25	21.09	20.74	20.85						
10	64QAM	1	49	20.78	20.78	20.80	21	3	20	3	19	18
10	64QAM	25	0	20.04	19.75	19.78						
10	64QAM	25	12	20.08	19.76	19.80	21	3	20	3	19	18
10	64QAM	25	25	19.94	19.71	19.84						
10	64QAM	50	0	19.99	19.75	19.71	21	3	20	3	19	18
10	64QAM	100	0	19.99	19.75	19.71						
Channel							18625	18600	18175			
Frequency (MHz)												
5	QPSK	1	0	22.97	22.67	22.75	24	0	23	1	22	2
5	QPSK	1	12	22.78	22.57	22.63						
5	QPSK	1	24	22.64	22.63	22.64	23	1	21	3	20	19
5	QPSK	12	0	21.98	21.80	21.84						
5	QPSK	12	7	22.01	21.75	21.79	23	1	20	1	19	18
5	QPSK	12	13	21.90	21.70	21.82						
5	QPSK	25	0	21.96	21.79	21.71	23	1	20	1	19	18
5	16QAM	1	0	22.35	22.01	22.01						
5	16QAM	1	12	22.17	21.92	21.93	23	1	20	1	19	18
5	16QAM	1	24	21.98	21.91	21.95						
5	16QAM	12	0	21.05	20.75	20.78	22	2	20	2	19	18
5	16QAM	12	7	21.02	20.80	20.86						
5	16QAM	12	13	20.91	20.75	20.75	22	2	20	2	19	18
5	16QAM	25	0	21.05	20.79	20.75						
5	64QAM	1	0	21.23	20.96	20.92	22	2	20	2	19	18
5	64QAM	1	12	21.06	20.81	20.83						
5	64QAM	1	24	20.86	20.70	20.80	21	3	20	3	19	18
5	64QAM	12	0	20.09	19.77	19.74						
5	64QAM	12	7	20.00	19.81	19.81	21	3	20	3	19	18
5	64QAM	12	13	19.89	19.72	19.89						
5	64QAM	25	0	20.00	19.85	19.81	21	3	20	3	19	18
5	64QAM	100	0	20.00	19.85	19.81						
Channel							18015	18000	18185			
Frequency (MHz)												
3	QPSK	1	0	22.94	22.70	22.73	24	0	23	1	22	2
3	QPSK	1	8	22.77	22.61	22.59						
3	QPSK	1	14	22.63	22.57	22.62	23	1	21	3	20	19
3	QPSK	8	0	22.08	21.74	21.85						
3	QPSK	8	4	22.04	21.77	21.83	23	1	20	1	19	18
3	QPSK	8	7	21.86	21.74	21.78						
3	QPSK	15	0	22.05	21.80	21.66	23	1	20	1	19	18
3	16QAM	1	0	22.28	22.06	22.01						
3	16QAM	1	8	22.21	21.98	21.62	23	1	20	1	19	18
3	16QAM	1	14	21.95	21.95	22.00						
3	16QAM	8	0	21.10	20.82	20.78	22	2	20	2	19	18
3	16QAM	8	4	21.08	20.74	20.85						
3	16QAM	8	7	20.90	20.73	20.84	22	2	20	2	19	18
3	16QAM	15	0	21.03	20.92	20.77						
3	64QAM	1	0	21.22	20.91	20.92	22	2	20	2	19	18
3	64QAM	1	8	21.04	20.74	20.83						
3	64QAM	1	14	20.84	20.70	20.86	22	2	20	2	19	18
3	64QAM	8	0	20.07	19.77	19.79						
3	64QAM	8	4	20.06	19.76	19.79	21	3	20	3	19	18
3	64QAM	8	7	19.88	19.80	19.83						
3	64QAM	15	0	20.04	19.84	19.90	21	3	20	3	19	18
3	64QAM	100	0	20.04	19.84	19.90						
Channel							18007	18000	18193			
Frequency (MHz)												
1.4	QPSK	1	0	23.00	22.64	22.73	24	0	23	1	22	2
1.4	QPSK	1	3	22.83	22.54	22.68						
1.4	QPSK	1	5	22.62	22.55	22.55	23	1	21	3	20	19
1.4	QPSK	3	0	22.79	22.60	22.66						
1.4	QPSK	3	1	22.84	22.57	22.56	23	1	20	1	19	18
1.4	QPSK	3	3	22.67	22.49	22.64						
1.4	QPSK	6	0	22.37	22.12	22.10	23	1	20	1	19	18
1.4	16QAM	1	0	22.35	22.06	22.08						
1.4	16QAM	1	3	22.15	21.94	22.01	23	1	20	1	19	18
1.4	16QAM	1	5	21.99	21.88	21.96						
1.4	16QAM	3	0	22.01	21.82	21.72	23	1	20	1	19	18
1.4	16QAM	3	1	22.00	21.77	21.82						
1.4	16QAM	3	3	21.95	21.75	21.83	22	2	20	2	19	18
1.4	64QAM	1	0	21.18	20.87	20.91						
1.4	64QAM	1	3	21.07	20.75	20.84	22	2	20	2	19	18
1.4	64QAM	1	5	20.87	20.70	20.85						
1.4	64QAM	3	0	21.06	20.83	20.72	22	2	20	2	19	18
1.4	64QAM	3	1	21.02	20.79	20.80						
1.4	64QAM	3	3	20.92	20.73	20.83	21	3	20	3	19	18
1.4	64QAM	6	0	20.39	20.24	20.17						

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

Band 7_Ant 1 DSI 284									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)	
Channel				2010	21100	21350			
Frequency (MHz)				2010	2335	2360			
20	QPSK	1	0	22.86	23.22	23.03	24	0	
20	QPSK	1	49	22.84	23.20	23.01			
20	QPSK	1	99	22.80	23.10	22.98	23	1	
20	QPSK	50	0	22.05	22.28	22.19			
20	QPSK	50	24	22.01	22.27	22.16	23	1	
20	QPSK	50	50	21.95	22.20	22.12			
20	QPSK	100	0	21.98	22.25	22.18	23	1	
20	16QAM	1	0	22.11	22.39	22.38			
20	16QAM	1	49	22.18	22.52	22.42	22	2	
20	16QAM	1	99	22.32	22.55	22.36			
20	16QAM	50	0	20.87	21.28	21.17	22	2	
20	16QAM	50	24	21.03	21.28	21.11			
20	16QAM	50	50	21.07	21.28	21.11	22	2	
20	16QAM	100	0	20.99	21.23	21.18			
20	64QAM	1	0	20.98	21.18	21.30	22	2	
20	64QAM	1	49	21.08	21.40	21.24			
20	64QAM	1	99	21.26	21.35	20.93	21	3	
20	64QAM	50	0	19.91	20.24	20.18			
20	64QAM	50	24	20.05	20.29	20.24	21	3	
20	64QAM	50	50	20.06	20.32	20.13			
20	64QAM	100	0	20.01	20.27	20.20	20		
Channel				20025	21100	21375			
Frequency (MHz)				2007.5	2335	2362.5			
15	QPSK	1	0	22.76	23.19	23.03	24	0	
15	QPSK	1	37	22.76	23.20	22.93			
15	QPSK	1	74	22.78	23.08	22.94	23	1	
15	QPSK	36	0	22.04	22.26	22.18			
15	QPSK	36	20	21.92	22.19	22.07	23	1	
15	QPSK	36	39	21.88	22.20	22.06			
15	QPSK	75	0	21.90	22.20	22.16	23	1	
15	16QAM	1	0	22.08	22.32	22.33			
15	16QAM	1	37	22.18	22.49	22.33	22	2	
15	16QAM	1	74	22.31	22.48	22.34			
15	16QAM	36	0	20.87	21.13	21.10	22	2	
15	16QAM	36	20	20.97	21.24	21.19			
15	16QAM	36	39	21.04	21.18	21.02	22	2	
15	16QAM	75	0	20.91	21.13	21.08			
15	64QAM	1	0	20.96	21.08	21.27	22	2	
15	64QAM	1	37	21.02	21.30	21.18			
15	64QAM	1	74	21.18	21.28	20.90	21	3	
15	64QAM	36	0	19.81	20.18	20.13			
15	64QAM	36	20	19.96	20.21	20.15	21	3	
15	64QAM	36	39	19.97	20.26	20.03			
15	64QAM	75	0	19.97	20.18	20.18	20		
Channel				20000	21100	21400			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	22.84	23.19	23.00	24	0	
10	QPSK	1	25	22.74	23.10	22.98			
10	QPSK	1	49	22.72	23.03	22.90	23	1	
10	QPSK	25	0	22.02	22.19	22.16			
10	QPSK	25	12	21.99	22.22	22.07	23	1	
10	QPSK	25	25	21.90	22.15	22.06			
10	QPSK	50	0	21.93	22.22	22.17	23	1	
10	16QAM	1	0	22.01	22.37	22.35			
10	16QAM	1	25	22.16	22.50	22.38	22	2	
10	16QAM	1	49	22.25	22.48	22.33			
10	16QAM	25	0	20.77	21.14	21.12	22	2	
10	16QAM	25	12	20.98	21.21	21.11			
10	16QAM	25	25	21.00	21.27	21.07	22	2	
10	16QAM	50	0	20.99	21.13	21.12			
10	64QAM	1	0	20.99	21.17	21.30	22	2	
10	64QAM	1	25	20.98	21.31	21.23			
10	64QAM	1	49	21.25	21.32	20.89	21	3	
10	64QAM	25	0	19.88	20.15	20.10			
10	64QAM	25	12	20.00	20.21	20.20	21	3	
10	64QAM	25	25	19.97	20.24	20.13			
10	64QAM	50	0	19.94	20.19	20.17	20		
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	22.86	23.20	23.03	24	0	
5	QPSK	1	12	22.83	23.10	22.96			
5	QPSK	1	24	22.72	23.10	22.93	23	1	
5	QPSK	12	0	22.02	22.22	22.12			
5	QPSK	12	7	21.98	22.27	22.15	23	1	
5	QPSK	12	13	21.95	22.10	22.11			
5	QPSK	25	0	21.95	22.19	22.11	23	1	
5	16QAM	1	0	22.01	22.39	22.28			
5	16QAM	1	12	22.10	22.45	22.38	22	2	
5	16QAM	1	24	22.31	22.51	22.36			
5	16QAM	12	0	20.86	21.14	21.11	22	2	
5	16QAM	12	7	21.02	21.20	21.09			
5	16QAM	12	13	20.98	21.23	21.09	22	2	
5	16QAM	25	0	20.90	21.17	21.10			
5	64QAM	1	0	20.94	21.08	21.27	22	2	
5	64QAM	1	12	21.04	21.38	21.18			
5	64QAM	1	24	21.18	21.35	20.97	21	3	
5	64QAM	12	0	19.86	20.15	20.18			
5	64QAM	12	7	20.05	20.26	20.17	21	3	
5	64QAM	12	13	19.99	20.31	20.08			
5	64QAM	25	0	19.99	20.26	20.12	20		
Channel				20705	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5			

Band 7_Ant2 DSI 28486									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)	
Channel				20050	21100	21350			
Frequency (MHz)				2100	2335	2360			
20	QPSK	1	0	21.00	21.17	20.94	22	0	
20	QPSK	1	49	20.84	21.13	20.88			
20	QPSK	1	99	20.74	21.13	20.93			
20	QPSK	50	0	20.07	20.21	20.10	21	1	
20	QPSK	50	24	20.02	20.20	20.07			
20	QPSK	50	50	20.04	20.12	19.98			
20	QPSK	100	0	20.05	20.11	20.06	21	1	
20	16QAM	1	0	20.09	20.31	20.23			
20	16QAM	1	49	20.24	20.51	20.24			
20	16QAM	1	99	20.36	20.46	20.29	20	2	
20	16QAM	50	0	18.88	19.16	19.05			
20	16QAM	50	24	19.03	19.22	19.08			
20	16QAM	50	50	19.04	19.23	19.02	20	2	
20	16QAM	100	0	18.99	19.16	19.05			
20	64QAM	1	0	18.93	19.20	19.16			
20	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	17.97	18.17	18.08			
20	64QAM	50	24	18.05	18.24	18.11	19	3	
20	64QAM	50	50	18.06	18.24	18.01			
20	64QAM	100	0	18.00	18.20	18.11			
Channel				20025	21100	21375	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	20.90	21.09	20.88	22	0	
15	QPSK	1	37	20.74	21.04	20.78			
15	QPSK	1	74	20.73	21.08	20.91			
15	QPSK	36	0	20.06	20.18	20.07	21	1	
15	QPSK	36	20	19.96	20.13	20.00			
15	QPSK	36	39	20.00	20.11	19.90			
15	QPSK	75	0	20.03	20.01	20.06	21	1	
15	16QAM	1	0	20.09	20.31	20.13			
15	16QAM	1	37	20.18	20.47	20.18			
15	16QAM	1	74	20.31	20.39	20.23	21	1	
15	16QAM	36	0	18.79	19.12	18.99			
15	16QAM	36	20	18.96	19.17	18.95			
15	16QAM	36	39	19.01	19.21	18.93	20	2	
15	16QAM	75	0	18.99	19.12	18.95			
15	64QAM	1	0	18.85	19.18	19.13			
15	64QAM	1	37	18.97	19.32	19.12	20	2	
15	64QAM	1	74	19.21	19.36	18.89			
15	64QAM	36	0	17.88	18.10	18.05			
15	64QAM	36	20	17.99	18.24	18.05	19	3	
15	64QAM	36	39	18.03	18.16	17.94			
15	64QAM	75	0	17.92	18.17	18.03			
Channel				20000	21100	21400	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				25005	25365	25655			
10	QPSK	1	0	20.98	21.10	20.94	22	0	
10	QPSK	1	25	20.79	21.13	20.84			
10	QPSK	1	49	20.66	21.10	20.86			
10	QPSK	25	0	20.00	20.16	20.08	21	1	
10	QPSK	25	12	19.99	20.11	20.04			
10	QPSK	25	25	19.94	20.04	19.93			
10	QPSK	50	0	20.03	20.08	20.01	21	1	
10	16QAM	1	0	20.02	20.22	20.15			
10	16QAM	1	25	20.22	20.41	20.14			
10	16QAM	1	49	20.34	20.42	20.25	20	2	
10	16QAM	25	0	18.83	19.13	18.98			
10	16QAM	25	12	19.01	19.12	19.02			
10	16QAM	25	25	19.02	19.21	19.01	20	2	
10	16QAM	50	0	18.91	19.20	19.06			
10	64QAM	1	0	18.86	19.20	19.06			
10	64QAM	1	25	19.00	19.27	19.14	20	2	
10	64QAM	1	49	19.20	19.26	18.87			
10	64QAM	25	0	17.89	18.11	18.01			
10	64QAM	25	12	17.96	18.15	18.01	19	3	
10	64QAM	25	25	18.03	18.21	17.94			
10	64QAM	50	0	17.97	18.14	18.08			
Channel				20075	21100	21425	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	25365	2567.5			
5	QPSK	1	0	20.94	21.09	20.84	22	0	
5	QPSK	1	12	20.83	21.06	20.88			
5	QPSK	1	24	20.66	21.08	20.90			
5	QPSK	12	0	20.05	20.15	20.02	21	1	
5	QPSK	12	7	19.93	20.14	20.05			
5	QPSK	12	13	20.02	20.12	19.93			
5	QPSK	25	0	19.97	20.01	20.05	21	1	
5	16QAM	1	0	20.00	20.30	20.21			
5	16QAM	1	12	20.19	20.50	20.20			
5	16QAM	1	24	20.28	20.36	20.21	20	2	
5	16QAM	12	0	18.86	19.09	18.99			
5	16QAM	12	7	19.03	19.21	18.99			
5	16QAM	12	13	18.94	19.18	18.92	20	2	
5	16QAM	25	0	18.89	19.13	19.05			
5	64QAM	1	0	18.89	19.29	19.06			
5	64QAM	1	12	19.03	19.32	19.12	20	2	
5	64QAM	1	24	19.15	19.34	18.99			
5	64QAM	12	0	17.90	18.10	18.02			
5	64QAM	12	7	18.03	18.21	18.03	19	3	
5	64QAM	12	13	18.04	18.15	17.91			
5	64QAM	25	0	17.90	18.16	18.04			

Band 12_Ant2 DSI 2&4&6&3&5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23000	23095	23180	23	0	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	22.13	22.08	21.90	23	0	
10	QPSK	1	25	21.84	21.92	21.91			
10	QPSK	1	49	22.00	22.02	21.92			
10	QPSK	25	0	21.11	21.16	21.10	22	1	
10	QPSK	25	12	21.09	21.08	21.04			
10	QPSK	25	25	21.01	21.02	21.03			
10	QPSK	50	0	21.10	21.13	21.07	22	1	
10	16QAM	1	0	21.16	21.16	21.26			
10	16QAM	1	25	21.23	21.29	21.29			
10	16QAM	1	49	21.34	21.34	21.34	21	2	
10	16QAM	25	0	20.00	20.09	20.07			
10	16QAM	25	12	20.10	20.08	20.06			
10	16QAM	25	25	20.08	20.08	20.07	21	2	
10	16QAM	50	0	20.08	20.06	20.07			
10	64QAM	1	0	20.08	20.13	20.14			
10	64QAM	1	25	20.21	20.24	20.25	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	20	3	
10	64QAM	25	25	19.09	19.17	19.14			
10	64QAM	50	0	19.13	19.12	19.10			
Channel				23005	23095	23185	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5	23	0	
5	QPSK	1	0	22.03	22.08	21.83			
5	QPSK	1	12	21.81	21.91	21.91	23	0	
5	QPSK	1	24	21.92	21.98	21.83			
5	QPSK	12	0	21.06	21.06	21.05			
5	QPSK	12	7	21.06	20.98	20.97	22	1	
5	QPSK	12	13	20.92	20.98	21.03			
5	QPSK	25	0	21.09	21.05	21.04			
5	16QAM	1	0	21.16	21.14	21.24	22	1	
5	16QAM	1	12	21.18	21.20	21.26			
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	21	2	
5	64QAM	1	0	19.99	20.11	20.05			
5	64QAM	1	12	20.13	20.17	20.23			
5	64QAM	1	24	20.19	20.19	20.12	21	2	
5	64QAM	12	0	19.01	19.02	19.00			
5	64QAM	12	7	19.09	19.05	19.11			
5	64QAM	12	13	19.09	19.17	19.07	20	3	
5	64QAM	25	0	19.13	19.03	19.00			
Channel				23025	23095	23185	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				700.5	707.5	714.5	23 <th colspan="2" rowspan="2">0</th>	0	
3	QPSK	1	0	21.99	21.98	21.85			
3	QPSK	1	8	21.75	21.89	21.88	23	0	
3	QPSK	1	14	22.00	21.94	21.90			
3	QPSK	8	0	21.11	21.14	21.01			
3	QPSK	8	4	21.03	21.03	20.99	22	1	
3	QPSK	8	7	21.00	21.01	20.98			
3	QPSK	15	0	21.06	21.09	21.03			
3	16QAM	1	0	21.08	21.12	21.19	22	1	
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	21	2	
3	64QAM	1	0	20.08	20.05	20.05			
3	64QAM	1	8	20.12	20.22	20.19			
3	64QAM	1	14	20.29	20.25	20.16	20	3	
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	20	3	
3	64QAM	15	0	19.10	19.10	19.01			
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				699.7	707.5	715.3	23 <th colspan="2" rowspan="2">0</th>	0	
1.4	QPSK	1	0	22.05	22.04	21.90			
1.4	QPSK	1	3	21.81	21.83	21.82	23	0	
1.4	QPSK	1	5	21.98	21.98	21.85			
1.4	QPSK	3	0	21.05	21.15	21.05			
1.4	QPSK	3	1	21.01	21.01	21.02	22	1	
1.4	QPSK	3	3	20.98	20.94	20.96			
1.4	QPSK	6	0	21.04	21.04	21.06			
1.4	16QAM	1	0	21.17	21.06	21.23	22	1	
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	21	2	
1.4	64QAM	1	0	19.99	20.04	20.10			
1.4	64QAM	1	3	20.20	20.24	20.23			
1.4	64QAM	1	5	20.24	20.21	20.16	21	2	
1.4	64QAM	3	0	18.97	19.04	19.03			
1.4	64QAM	3	1	19.06	19.05	19.08			
1.4	64QAM	3	3	19.02	19.16	19.08	20	3	
1.4	64QAM	6	0	19.03	19.07	19.05			

Band 13_Ant 1 DSI 2&4&6&3&5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				752					
Frequency (MHz)				752					
10	QPSK	1	0		22.43	22.32	24	0	
10	QPSK	1	25		22.32	22.27			
10	QPSK	1	49		22.27	22.27			
10	QPSK	25	0		21.52	21.52	23	1	
10	QPSK	25	12		21.48	21.48			
10	QPSK	25	25		21.48	21.48			
10	QPSK	50	0		21.52	21.52	23	1	
10	16QAM	1	0		21.82	21.82			
10	16QAM	1	25		21.76	21.76			
10	16QAM	1	49		21.68	21.68	22	2	
10	16QAM	25	0		20.50	20.50			
10	16QAM	25	12		20.49	20.49			
10	16QAM	25	25		20.51	20.51	22	2	
10	16QAM	50	0		20.46	20.46			
10	64QAM	1	0		20.70	20.70			
10	64QAM	1	25		20.65	20.65	22	2	
10	64QAM	1	49		20.61	20.61			
10	64QAM	25	0		19.53	19.53			
10	64QAM	25	12		19.50	19.50	21	3	
10	64QAM	25	25		19.53	19.53			
10	64QAM	50	0		19.56	19.56			
Channel				23205	23230	23255	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				779.5	782	784.5			
5	QPSK	1	0		22.38	22.35	24	0	
5	QPSK	1	12		22.26	22.27			
5	QPSK	1	24		22.27	22.27			
5	QPSK	12	0		21.51	21.48	23	1	
5	QPSK	12	7		21.43	21.42			
5	QPSK	12	13		21.48	21.48			
5	QPSK	25	0		21.52	21.43	23	1	
5	16QAM	1	0		21.78	21.77			
5	16QAM	1	12		21.72	21.71			
5	16QAM	1	24		21.67	21.64	23	1	
5	16QAM	12	0		20.42	20.50			
5	16QAM	12	7		20.41	20.42			
5	16QAM	12	13		20.47	20.46	22	2	
5	16QAM	25	0		20.40	20.42			
5	64QAM	1	0		20.64	20.66			
5	64QAM	1	12		20.55	20.54	22	2	
5	64QAM	1	24		20.51	20.56			
5	64QAM	12	0		19.51	19.51			
5	64QAM	12	7		19.50	19.49	21	3	
5	64QAM	12	13		19.49	19.47			
5	64QAM	25	0		19.55	19.51			

Band 17_Ant 1 DSI 28486&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				23749	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	22.65	22.67	22.68	24	0	
10	QPSK	1	25	22.60	22.65	22.64			
10	QPSK	1	49	22.55	22.57	22.56			
10	QPSK	25	0	21.75	21.85	21.85	23	1	
10	QPSK	25	12	21.75	21.77	21.78			
10	QPSK	25	25	21.70	21.76	21.71			
10	QPSK	50	0	21.78	21.82	21.75	23	1	
10	16QAM	1	0	21.94	21.92	21.95			
10	16QAM	1	25	22.01	22.03	22.02			
10	16QAM	1	49	22.08	22.01	22.03	22	2	
10	16QAM	25	0	20.70	20.69	20.70			
10	16QAM	25	12	20.86	20.79	20.76			
10	16QAM	25	25	20.79	20.80	20.80	22	2	
10	16QAM	50	0	20.80	20.75	20.74			
10	64QAM	1	0	20.79	20.76	20.77			
10	64QAM	1	25	20.92	20.95	20.94	21	3	
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				23755	23790	23805	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	22.60	22.66	22.62	24	0	
5	QPSK	1	12	22.52	22.58	22.56			
5	QPSK	1	24	22.45	22.48	22.54			
5	QPSK	12	0	21.65	21.83	21.84	23	1	
5	QPSK	12	7	21.69	21.74	21.74			
5	QPSK	12	13	21.70	21.70	21.84			
5	QPSK	25	0	21.75	21.72	21.68	23	1	
5	16QAM	1	0	21.94	21.90	21.92			
5	16QAM	1	12	21.93	22.01	21.92			
5	16QAM	1	24	21.98	22.00	21.99	22	2	
5	16QAM	12	0	20.69	20.64	20.65			
5	16QAM	12	7	20.80	20.74	20.76			
5	16QAM	12	13	20.79	20.77	20.70	22	2	
5	16QAM	25	0	20.78	20.75	20.74			
5	64QAM	1	0	20.72	20.69	20.71			
5	64QAM	1	12	20.99	20.87	20.89	21	3	
5	64QAM	1	24	20.92	20.92	20.82			
5	64QAM	12	0	19.62	19.72	19.72			
5	64QAM	12	7	19.84	19.79	19.82	21	3	
5	64QAM	12	13	19.83	19.79	19.81			
5	64QAM	25	0	19.80	19.68	19.78			

Band 17_Ant2 DSI 28486&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				23749	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	22.12	22.05	22.03	23	0	
10	QPSK	1	25	21.89	21.92	21.92			
10	QPSK	1	49	22.03	21.93	21.92			
10	QPSK	25	0	21.15	21.01	21.00	22	1	
10	QPSK	25	12	21.13	20.97	20.96			
10	QPSK	25	25	21.05	20.85	20.92			
10	QPSK	50	0	21.12	20.94	20.91	22	1	
10	16QAM	1	0	21.28	21.25	21.25			
10	16QAM	1	25	21.33	21.33	21.29			
10	16QAM	1	49	21.39	21.33	21.32	21	2	
10	16QAM	25	0	20.00	19.98	19.99			
10	16QAM	25	12	20.10	20.07	20.07			
10	16QAM	25	25	20.10	20.14	20.11	21	2	
10	16QAM	50	0	20.13	20.06	20.03			
10	64QAM	1	0	20.08	20.15	20.06			
10	64QAM	1	25	20.17	20.27	20.26	20	3	
10	64QAM	1	49	20.25	20.25	20.24			
10	64QAM	25	0	19.04	19.03	19.03			
10	64QAM	25	12	19.15	19.10	19.10	20	3	
10	64QAM	25	25	19.16	19.20	19.14			
10	64QAM	50	0	19.16	19.09	19.07			
Channel				23755	23790	23805	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	22.08	22.04	21.96	23	0	
5	QPSK	1	12	21.85	21.82	21.84			
5	QPSK	1	24	22.03	21.90	21.85			
5	QPSK	12	0	21.15	20.92	20.95	22	1	
5	QPSK	12	7	21.06	20.96	20.94			
5	QPSK	12	13	21.04	20.77	20.90			
5	QPSK	25	0	21.12	20.85	20.83	22	1	
5	16QAM	1	0	21.18	21.24	21.25			
5	16QAM	1	12	21.27	21.23	21.25			
5	16QAM	1	24	21.39	21.27	21.24	21	2	
5	16QAM	12	0	20.00	19.98	19.97			
5	16QAM	12	7	20.00	20.06	20.02			
5	16QAM	12	13	20.02	20.06	20.08	21	2	
5	16QAM	25	0	20.03	20.01	20.02			
5	64QAM	1	0	20.07	20.05	20.01			
5	64QAM	1	12	20.11	20.17	20.22	20	3	
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&8&3&5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26748	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	22.58	22.65	22.63	24	0	
15	QPSK	1	37	22.48	22.64	22.61			
15	QPSK	1	74	22.54	22.55	22.51			
15	QPSK	36	0	21.72	21.76	21.73	23	1	
15	QPSK	36	20	21.66	21.70	21.72			
15	QPSK	36	39	21.63	21.68	21.70			
15	QPSK	75	0	21.68	21.70	21.70	23	1	
15	16QAM	1	0	21.89	21.84	21.97			
15	16QAM	1	37	21.83	21.91	21.91			
15	16QAM	1	74	21.84	21.86	21.85	22	2	
15	16QAM	36	0	20.67	20.72	20.73			
15	16QAM	36	20	20.68	20.69	20.71			
15	16QAM	36	39	20.71	20.73	20.69	22	2	
15	16QAM	75	0	20.70	20.74	20.72			
15	64QAM	1	0	20.76	20.68	20.81			
15	64QAM	1	37	20.78	20.85	20.84	22	2	
15	64QAM	1	74	20.81	20.81	20.75			
15	64QAM	36	0	19.70	19.72	19.78			
15	64QAM	36	20	19.70	19.72	19.75	21	3	
15	64QAM	36	39	19.79	19.80	19.79			
15	64QAM	75	0	19.71	19.72	19.72			
Channel				26748	26865	26965	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	22.56	22.59	22.59	24	0	
10	QPSK	1	25	22.40	22.60	22.52			
10	QPSK	1	49	22.50	22.46	22.49			
10	QPSK	25	0	21.66	21.73	21.73	23	1	
10	QPSK	25	12	21.59	21.63	21.66			
10	QPSK	25	25	21.61	21.64	21.65			
10	QPSK	50	0	21.62	21.65	21.63	23	1	
10	16QAM	1	0	21.89	21.84	21.97			
10	16QAM	1	25	21.82	21.83	21.82			
10	16QAM	1	49	21.74	21.83	21.85	22	2	
10	16QAM	25	0	20.57	20.63	20.72			
10	16QAM	25	12	20.61	20.69	20.65			
10	16QAM	25	25	20.66	20.72	20.62	22	2	
10	16QAM	50	0	20.69	20.73	20.71			
10	64QAM	1	0	20.74	20.65	20.80			
10	64QAM	1	25	20.74	20.77	20.78	22	2	
10	64QAM	1	49	20.80	20.76	20.68			
10	64QAM	1	25	19.70	19.71	19.75			
10	64QAM	25	12	19.61	19.72	19.75	21	3	
10	64QAM	25	25	19.77	19.76	19.75			
10	64QAM	50	0	19.61	19.65	19.64			
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	22.48	22.63	22.59	24	0	
5	QPSK	1	12	22.45	22.60	22.58			
5	QPSK	1	24	22.45	22.50	22.51			
5	QPSK	12	0	21.64	21.70	21.69	23	1	
5	QPSK	12	7	21.57	21.60	21.69			
5	QPSK	12	13	21.56	21.58	21.69			
5	QPSK	25	0	21.58	21.67	21.63	23	1	
5	16QAM	1	0	21.89	21.80	21.93			
5	16QAM	1	12	21.80	21.83	21.81			
5	16QAM	1	24	21.76	21.79	21.76	22	2	
5	16QAM	12	0	20.67	20.72	20.70			
5	16QAM	12	7	20.58	20.59	20.53			
5	16QAM	12	13	20.70	20.65	20.62	22	2	
5	16QAM	25	0	20.70	20.66	20.62			
5	64QAM	1	0	20.71	20.64	20.80			
5	64QAM	1	12	20.70	20.62	20.63	22	2	
5	64QAM	1	24	20.76	20.72	20.75			
5	64QAM	12	0	19.65	19.69	19.73			
5	64QAM	12	7	19.60	19.70	19.65	21	3	
5	64QAM	12	13	19.74	19.74	19.79			
5	64QAM	25	0	19.61	19.66	19.72			
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	22.58	22.58	22.62	24	0	
3	QPSK	1	8	22.46	22.58	22.60			
3	QPSK	1	14	22.46	22.48	22.42			
3	QPSK	8	0	21.65	21.76	21.69	23	1	
3	QPSK	8	4	21.64	21.61	21.65			
3	QPSK	8	7	21.53	21.77	21.63			
3	QPSK	16	0	21.62	21.62	21.68	23	1	
3	16QAM	1	0	21.89	21.80	21.88			
3	16QAM	1	8	21.75	21.82	21.86			
3	16QAM	1	14	21.77	21.80	21.84	22	2	
3	16QAM	8	0	20.59	20.69	20.69			
3	16QAM	8	4	20.58	20.68	20.61			
3	16QAM	8	7	20.61	20.65	20.65	22	2	
3	16QAM	15	0	20.70	20.66	20.65			
3	64QAM	1	0	20.76	20.60	20.76			
3	64QAM	1	8	20.73	20.60	20.77	22	2	
3	64QAM	1	14	20.72	20.74	20.72			
3	64QAM	8	0	19.66	19.71	19.75			
3	64QAM	8	4	19.67	19.68	19.66	21	3	
3	64QAM	8	7	19.79	19.71	19.69			
3	64QAM	15	0	19.70	19.62	19.70			
Channel				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	22.55	22.63	22.57	24	0	
1.4	QPSK	1	3	22.43	22.57	22.58			
1.4	QPSK	1	5	22.51	22.55	22.42			
1.4	QPSK	3	0	22.46	22.52	22.43	23	1	
1.4	QPSK	3	1	22.36	22.48	22.45			
1.4	QPSK	3	4	22.41	22.46	22.44			
1.4	QPSK	6	0	22.07	22.08	22.05	23	1	
1.4	16QAM	1	0	21.83	21.83	21.83			
1.4	16QAM	1	3	21.75	21.87	21.91			
1.4	16QAM	1	5	21.83	21.86	21.84	23	1	
1.4	16QAM	3	0	21.63	21.67	21.66			
1.4	16QAM	3	1	21.66	21.59	21.66			
1.4	16QAM	3	3	21.61	21.73	21.69	22	2	
1.4	16QAM	6	0	21.10	21.05	21.12			
1.4	64QAM	1	0	20.66	20.64	20.81			
1.4	64QAM	1	3	20.73	20.69	20.72	22	2	
1.4	64QAM	1	5	20.72	20.71	20.72			
1.4	64QAM	3	0	20.65	20.70	20.69			
1.4	64QAM	3	1	20.69	20.72	20.74	21	3	
1.4	64QAM	3	3	20.70	20.79	20.70			
1.4	64QAM	6	0	20.04	20.09	20.02			

Band 26_Ant2 DSI 2&4&6&8&5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26705	26865	26965	23	0	
Frequency (MHz)				811.5	831.5	841.5			
15	QPSK	1	0	21.70	21.71	21.98	22	1	
15	QPSK	1	37	21.59	21.70	21.75			
15	QPSK	1	74	21.62	21.62	21.66	22	1	
15	QPSK	36	0	20.78	20.82	20.86			
15	QPSK	36	20	20.74	20.76	20.83	22	1	
15	QPSK	36	39	20.75	20.78	20.86			
15	QPSK	75	0	20.71	20.73	20.85	22	1	
15	16QAM	1	0	21.06	20.95	21.07			
15	16QAM	1	37	20.93	21.01	21.07	21	2	
15	16QAM	1	74	21.00	20.98	20.97			
15	16QAM	36	0	19.77	19.79	19.92	21	2	
15	16QAM	36	20	19.80	19.82	19.83			
15	16QAM	36	39	19.86	19.87	19.88	21	2	
15	16QAM	75	0	19.83	19.83	19.88			
15	64QAM	1	0	19.87	19.79	19.96	21	2	
15	64QAM	1	37	19.82	19.92	19.97			
15	64QAM	1	74	19.92	20.02	19.85	20	3	
15	64QAM	36	0	18.82	18.81	18.93			
15	64QAM	36	20	18.86	18.89	18.90	21	2	
15	64QAM	36	39	18.89	18.94	18.96			
15	64QAM	75	0	18.84	18.83	18.92	21	2	
Channel				26740	26865	26960			
Frequency (MHz)				819	831.5	844	23	0	
10	QPSK	1	0	21.70	21.71	21.74			
10	QPSK	1	25	21.56	21.67	21.72	22	1	
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	20.66	20.78	20.79	22	1	
10	QPSK	50	0	20.63	20.66	20.79			
10	16QAM	1	0	20.96	20.88	21.03	22	1	
10	16QAM	1	25	20.91	20.97	20.99			
10	16QAM	1	49	20.97	20.92	20.94	21	2	
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	50	0	19.78	19.83	19.87	21	2	
10	64QAM	1	0	19.85	19.74	19.89			
10	64QAM	1	25	19.74	19.85	19.96	21	2	
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	21	2	
10	64QAM	50	0	18.76	18.77	18.92			
Channel				26715	26865	27015	23	0	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	21.62	21.64	21.76	22	1	
5	QPSK	1	12	21.52	21.66	21.66			
5	QPSK	1	24	21.57	21.61	21.59	22	1	
5	QPSK	12	0	20.75	20.79	20.84			
5	QPSK	12	7	20.64	20.72	20.83	22	1	
5	QPSK	12	13	20.68	20.72	20.80			
5	QPSK	25	0	20.62	20.63	20.81	22	1	
5	16QAM	1	0	20.98	20.95	21.04			
5	16QAM	1	12	20.86	20.96	21.07	21	2	
5	16QAM	1	24	20.90	20.94	20.93			
5	16QAM	12	0	19.72	19.78	19.91	21	2	
5	16QAM	12	7	19.75	19.80	19.83			
5	16QAM	12	13	19.84	19.80	19.86	21	2	
5	16QAM	25	0	19.78	19.73	19.78			
5	64QAM	1	0	19.77	19.72	19.87	21	2	
5	64QAM	1	12	19.77	19.80	19.89			
5	64QAM	1	24	19.92	19.93	19.75	20	3	
5	64QAM	12	0	18.80	18.73	18.84			
5	64QAM	12	7	18.76	18.83	18.87	21	2	
5	64QAM	12	13	18.87	18.90	18.96			
5	64QAM	25	0	18.79	18.79	18.91	21	2	
Channel				26705	26865	27025			
Frequency (MHz)				815.5	831.5	847.5	23	0	
3	QPSK	1	0	21.62	21.67	21.68			
3	QPSK	1	8	21.55	21.65	21.69	22	1	
3	QPSK	1	16	21.61	21.53	21.64			
3	QPSK	8	0	20.78	20.78	20.86	22	1	
3	QPSK	8	4	20.64	20.72	20.73			
3	QPSK	8	7	20.67	20.74	20.86	22	1	
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	20.96	20.96	20.93	21	2	
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	21	2	
3	64QAM	1	0	19.83	19.79	19.89			
3	64QAM	1	8	19.72	19.84	19.92	20	3	
3	64QAM	1	14	19.87	19.96	19.75			
3	64QAM	8	0	18.78	18.74	18.84	21	2	
3	64QAM	8	4	18.78	18.86	18.83			
3	64QAM	8	7	18.83	18.90	18.93	21	2	
3	64QAM	15	0	18.80	18.73	18.90			
Channel				26997	26865	27033	23	0	
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	21.85			
1.4	QPSK	1	5	21.52	21.60	21.65	22	1	
1.4	QPSK	3	0	21.61	21.69	21.75			
1.4	QPSK	3	1	21.58	21.66	21.65	22	1	
1.4	QPSK	3	3	21.60	21.53	21.68			
1.4	QPSK	6	0	20.64	20.72	20.83	22	1	
1.4	16QAM	1	0	21.01	20.85	21.04			
1.4	16QAM	1	3	20.84	20.91	21.04	22	1	
1.4	16QAM	1	5	20.94	20.95	20.94			
1.4	16QAM	3	0	21.04	20.95	21.02	21	2	
1.4	16QAM	3	1	20.97	20.95	21.03			
1.4	16QAM	3	3	20.91	20.92	20.87	21	2	
1.4	16QAM	6	0	19.74	19.83	19.80			
1.4	64QAM	1	0	19.83	19.75	19.94	21	2	
1.4	64QAM	1	3	19.79	19.89	19.91			
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	20	3	
1.4	64QAM	3	3	19.85	19.78	19.85			
1.4	64QAM	6	0	18.82	18.83	18.88	20	3	

Band 66_Ant 1 DSI 2&4&6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				13012	13022	13072	24	0	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	22.88	22.87	22.82	23	1	
20	QPSK	1	49	22.76	22.71	22.69			
20	QPSK	1	99	22.68	22.67	22.64	23	1	
20	QPSK	50	0	21.99	21.89	21.81			
20	QPSK	50	24	21.94	21.84	21.79	23	1	
20	QPSK	50	50	21.91	21.86	21.79			
20	QPSK	100	0	21.96	21.78	21.79	23	1	
20	16QAM	1	0	22.23	22.19	22.15			
20	16QAM	1	49	22.19	22.19	22.15	23	1	
20	16QAM	1	99	22.09	21.98	22.02			
20	16QAM	50	0	20.93	20.86	20.86	22	2	
20	16QAM	50	24	20.86	20.85	20.83			
20	16QAM	50	50	20.94	20.87	20.82	22	2	
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	21	3	
20	64QAM	50	0	19.98	19.87	19.89			
20	64QAM	50	24	20.80	20.80	19.84	21	3	
20	64QAM	50	50	19.96	19.86	19.82			
20	64QAM	100	0	20.91	19.83	19.81			
Channel				13017	13022	13097	24	0	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	22.86	22.81	22.73	23	1	
15	QPSK	1	37	22.74	22.63	22.69			
15	QPSK	1	74	22.67	22.66	22.50	23	1	
15	QPSK	36	0	21.95	21.81	21.80			
15	QPSK	36	20	21.88	21.80	21.78	23	1	
15	QPSK	36	39	21.91	21.81	21.79			
15	QPSK	50	0	21.95	21.85	21.78	23	1	
15	16QAM	1	0	22.13	22.15	22.07			
15	16QAM	1	37	22.16	22.17	22.00	23	1	
15	16QAM	1	74	22.04	21.88	21.96			
15	16QAM	36	0	20.91	20.86	20.80	22	2	
15	16QAM	36	20	20.93	20.84	20.73			
15	16QAM	36	39	20.90	20.83	20.81	22	2	
15	16QAM	75	0	20.95	20.72	20.73			
15	64QAM	1	0	21.00	20.96	21.12	22	2	
15	64QAM	1	37	20.94	20.87	20.75			
15	64QAM	1	74	20.88	20.87	20.79	21	3	
15	64QAM	36	0	19.93	19.82	19.84			
15	64QAM	36	20	19.92	19.83	19.77	21	3	
15	64QAM	36	39	19.94	19.88	19.81			
15	64QAM	75	0	19.96	19.78	19.80			
Channel				13022	13022	13062	24	0	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	22.86	22.81	22.72	24	0	
10	QPSK	1	25	22.76	22.63	22.68			
10	QPSK	1	49	22.61	22.67	22.51	23	1	
10	QPSK	25	0	21.99	21.85	21.71			
10	QPSK	25	13	21.95	21.85	21.78	23	1	
10	QPSK	25	25	21.83	21.81	21.78			
10	QPSK	50	0	21.91	21.77	21.79	23	1	
10	16QAM	1	0	22.22	22.15	22.12			
10	16QAM	1	25	22.12	22.03	21.98	22	2	
10	16QAM	1	49	22.09	21.93	21.98			
10	16QAM	25	0	20.85	20.87	20.85	22	2	
10	16QAM	25	12	20.88	20.78	20.72			
10	16QAM	25	25	20.84	20.81	20.75	22	2	
10	16QAM	50	0	20.86	20.82	20.76			
10	16QAM	1	1	21.00	21.01	21.09	22	2	
10	16QAM	1	25	20.93	20.94	20.92			
10	64QAM	1	49	20.87	20.85	20.82	21	3	
10	64QAM	25	0	19.97	19.86	19.80			
10	64QAM	25	12	20.00	19.77	19.81	21	3	
10	64QAM	25	25	19.87	19.84	19.79			
10	64QAM	50	0	19.83	19.77	19.75			
Channel				13097	13022	13047	24	0	
Frequency (MHz)				1715.5	1745	1777.5			
5	QPSK	1	0	22.78	22.82	22.81	24	0	
5	QPSK	1	12	22.72	22.65	22.65			
5	QPSK	1	25	22.65	22.65	22.47	23	1	
5	QPSK	12	0	21.90	21.80	21.78			
5	QPSK	12	7	21.91	21.81	21.70	23	1	
5	QPSK	12	13	21.85	21.77	21.74			
5	QPSK	25	0	21.95	21.76	21.78	23	1	
5	16QAM	1	0	22.14	22.16	22.15			
5	16QAM	1	12	22.13	21.96	22.05	22	2	
5	16QAM	1	24	22.09	21.96	21.96			
5	16QAM	12	0	20.84	20.83	20.82	22	2	
5	16QAM	12	14	20.86	20.85	20.82			
5	16QAM	12	13	20.88	20.86	20.81	22	2	
5	16QAM	25	0	20.95	20.77	20.77			
5	64QAM	1	0	20.99	20.88	21.05	22	2	
5	64QAM	1	12	20.93	21.00	20.91			
5	64QAM	1	24	20.88	20.82	20.87	21	3	
5	64QAM	12	0	19.89	19.86	19.88			
5	64QAM	12	7	19.93	19.86	19.79	21	3	
5	64QAM	12	13	19.94	19.85	19.79			
5	64QAM	25	0	19.93	19.80	19.79			
Channel				13197	13022	13067	24	0	
Frequency (MHz)				1711.5	1745	1774.5			
3	QPSK	1	0	22.87	22.82	22.73	23	1	
3	QPSK	1	8	22.66	22.63	22.61			
3	QPSK	1	14	22.58	22.66	22.49	23	1	
3	QPSK	8	0	21.96	21.80	21.73			
3	QPSK	8	4	21.93	21.74	21.69	23	1	
3	QPSK	8	7	21.91	21.82	21.71			
3	QPSK	15	0	21.96	21.74	21.72	23	1	
3	16QAM	1	0	22.14	22.16	22.07			
3	16QAM	1	8	22.16	21.97	22.02	22	2	
3	16QAM	1	14	22.09	21.97	21.97			
3	16QAM	8	0	20.92	20.87	20.76	22	2	
3	16QAM	8	4	20.92	20.80	20.73			
3	16QAM	8	7	20.90	20.83	20.75	22	2	
3	16QAM	15	0	20.94	20.74	20.75			
3	64QAM	1	0	21.05	20.97	21.13	22	2	
3	64QAM	1	8	20.95	20.87	20.83			
3	64QAM	1	14	20.87	20.87	20.84	21	3	
3	64QAM	8	0	19.91	19.87	19.80			
3	64QAM	8	4	20.90	19.79	19.82	21	3	
3	64QAM	8	7	19.87	19.81	19.73			
3	64QAM	15	0	19.97	19.77	19.77			
Channel				13197	13022	13065	24	0	
Frequency (MHz)				1710.7 <td>1745</td> <td>1779.3</td>	1745	1779.3			
1.4	QPSK	1	0	22.78	22.84	22.78	23	1	
1.4	QPSK	1	3	22.72	22.62	22.67			
1.4	QPSK	1	5	22.62	22.62	22.54	23	1	
1.4	QPSK	3	0	22.74	22.68	22.59			
1.4	QPSK	3	1	22.68	22.55	22.52	23	1	
1.4	QPSK	3	3	22.68	22.60	22.50			
1.4	QPSK	6	0	22.29	22.12	22.16	23	1	
1.4	16QAM	1	0	22.13	22.13	22.07			
1.4	16QAM	1	3	22.03	21.98	21.95	23	1	
1.4	16QAM	1	5	22.08	21.92	21.92			
1.4	16QAM	3	0	21.88	21.88	21.82	22	2	
1.4	16QAM	3	1	21.95	21.80	21.78			
1.4	16QAM	3	3	21.84	21.77	21.78	22	2	
1.4	16QAM	6	0	21.29	21.09	21.21			
1.4	64QAM	1	0	21.00	21.04	21.04	22	2	
1.4	64QAM	1	3	20.95	20.96	20.93			
1.4	64QAM	1	5	20.96	20.79	20.82	22	2	
1.4	64QAM	3	0	20.89	20.87	20.86			
1.4	64QAM	3	1	20.92	20.80	20.84	21	3	
1.4	64QAM	3	3	20.96	20.86	20.76			
1.4	64QAM	6	0	20.41	20.23	20.19			

Band 66_Ant2 DSI 2&4&6&8&3&5														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	20.92	20.87	20.78	22	0						
20	QPSK	1	49	20.80	20.69	20.62								
20	QPSK	1	99	20.75	20.65	20.51								
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	20.29	20.26	20.13								
20	16QAM	1	49	20.16	20.10	20.02	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	16QAM	50	50	18.93	18.85	18.75	20	2						
20	16QAM	100	0	18.98	18.82	18.75								
20	64QAM	1	0	19.13	19.07	19.04								
20	64QAM	1	49	19.07	18.95	18.85								
20	64QAM	1	99	18.94	18.91	18.77	20	2						
20	64QAM	50	0	17.98	17.93	17.84								
20	64QAM	50	24	18.03	17.86	17.82								
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	19.80	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								
15	16QAM	36	39	18.89	18.76	18.66	20	2						
15	16QAM	75	0	18.92	18.80	18.71								
15	64QAM	1	0	19.03	19.00	18.95								
15	64QAM	1	37	18.96	18.85	18.75								
15	64QAM	1	74	18.86	18.85	18.68	20	2						
15	64QAM	36	0	17.96	17.86	17.80								
15	64QAM	36	20	17.99	17.88	17.80								
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								
10	QPSK	25	12	19.95	19.87	19.69	21	1						
10	QPSK	25	25	19.88	19.84	19.67								
10	QPSK	50	0	19.97	19.78	19.66								
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								
10	16QAM	25	25	18.92	18.79	18.65	20	2						
10	16QAM	50	0	18.89	18.78	18.74								
10	64QAM	1	0	19.09	18.97	19.01								
10	64QAM	1	25	18.97	18.91	18.78								
10	64QAM	1	49	18.89	18.83	18.68	20	2						
10	64QAM	25	0	17.98	17.91	17.77								
10	64QAM	25	12	18.01	17.86	17.81								
10	64QAM	25	25	17.86	17.83	17.74								
10	64QAM	50	0	17.83	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	20.65	20.60	20.42								
5	QPSK	12	0	20.01	19.97	19.78								
5	QPSK	12	7	19.90	19.84	19.68	21	1						
5	QPSK	12	13	19.83	19.83	19.71								
5	QPSK	25	0	19.96	19.73	19.69								
5	16QAM	1	0	20.21	20.23	20.06								
5	16QAM	1	12	20.06	19.99	19.98	21	1						
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								
5	16QAM	12	13	18.98	18.79	18.70	20	2						
5	16QAM	25	0	18.88	18.75	18.70								
5	64QAM	1	0	19.13	19.07	18.98								
5	64QAM	1	12	19.00	18.91	18.78								
5	64QAM	1	24	18.88	18.89	18.71	20	2						
5	64QAM	12	0	17.96	17.91	17.78								
5	64QAM	12	7	17.98	17.82	17.81								
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	20.86	20.86	20.75	22	0						
3	QPSK	1	8	20.77	20.66	20.62								
3	QPSK	1	14	20.65	20.63	20.51								
3	QPSK	8	0	19.96	19.94	19.76								
3	QPSK	8	4	19.99	19.84	19.68	21	1						
3	QPSK	8	7	19.90	19.79	19.70								
3	QPSK	15	0	19.90	19.79	19.72								
3	16QAM	1	0	20.20	20.19	20.09								
3	16QAM	1	8	20.09	19.99	19.93	21	1						
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								
3	16QAM	8	7	18.89	18.78	18.72	20	2						
3	16QAM	15	0	18.89	18.82	18.65								
3	64QAM	1	0	19.05	19.01	19.00								
3	64QAM	1	8	18.98	18.89	18.77								
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	17.86	17.83								
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	20.86	20.79	20.74	22	0						
1.4	QPSK	1	5	20.77	20.63	20.61								
1.4	QPSK	3	0	20.87	20.77	20.75								
1.4	QPSK	3	1	20.74	20.65	20.62								
1.4	QPSK	3	3	20.70	20.55	20.47	21	1						
1.4	QPSK	6	0	19.92	19.77	19.68								
1.4	16QAM	1	0	20.29	20.26	20.15								
1.4	16QAM	1	3	20.14	20.00	19.94								
1.4	16QAM	1	5	19.98	19.93	19.81	21	1						
1.4	16QAM	3	0	20.21	20.24	20.10								
1.4	16QAM	3	1	20.09	20.09	19.91								
1.4	16QAM	3	3	20.00	19.92	19.76								
1.4	16QAM	6	0	18.96	18.81	18.75	20	2						
1.4	64QAM	1	0	19.09	18.95	18.97								
1.4	64QAM	1	3	19.00	18.85	18.80								
1.4	64QAM	1	5	18.85	18.76	18.68								
1.4	64QAM	3	0	18.92	17.80	18.66	20	2						
1.4	64QAM	3	1	18.98	18.76	18.66								
1.4	64QAM	3	3	19.09	19.00	18.98								
1.4	64QAM	6	0	18.00	17.86	17.77								

North East Job Data									
Job ID	Position	Req. No.	Req. Code	Payroll Code (1-7)	Payroll Code (8-10)	Payroll Code (11-13)	Category Code	Rate (per hr)	Notes
Department: Education									
ED-001	Elementary Teacher	1	0	12.17	12.45	12.75			
ED-002	High School Teacher	1	40	12.85	13.05	13.25	25		
ED-003	Special Education Teacher	1	40	12.85	13.05	13.25			1
ED-004	ESL Teacher	1	40	12.15	12.45	12.75			
ED-005	Substitute Teacher	1	40	12.15	12.45	12.75			
ED-006	Paraprofessional	1	40	12.15	12.45	12.75			
ED-007	Librarian	1	20	12.15	12.45	12.75	25		
ED-008	Administrative Assistant	1	40	12.15	12.45	12.75			
ED-009	Principal	1	20	13.15	13.35	13.55	20		
ED-010	Assistant Principal	1	20	12.85	13.05	13.25			
ED-011	Curriculum Specialist	1	20	12.85	13.05	13.25			
ED-012	Instructional Coordinator	1	20	12.85	13.05	13.25			
ED-013	School Counselor	1	20	12.85	13.05	13.25			
ED-014	Social Worker	1	20	12.85	13.05	13.25			
ED-015	Behavior Specialist	1	20	12.85	13.05	13.25			
ED-016	Health Services	1	20	12.85	13.05	13.25			
ED-017	Food Service	1	20	12.85	13.05	13.25			
ED-018	Facilities Maintenance	1	20	12.85	13.05	13.25			
ED-019	Transportation	1	20	12.85	13.05	13.25			
ED-020	Security	1	20	12.85	13.05	13.25			
ED-021	IT Support	1	20	12.85	13.05	13.25			
ED-022	Legal Services	1	20	12.85	13.05	13.25			
ED-023	Insurance Services	1	20	12.85	13.05	13.25			
ED-024	Accounting	1	20	12.85	13.05	13.25			
ED-025	Human Resources	1	20	12.85	13.05	13.25			
ED-026	Communications	1	20	12.85	13.05	13.25			
ED-027	Public Relations	1	20	12.85	13.05	13.25			
ED-028	Marketing	1	20	12.85	13.05	13.25			
ED-029	Sales	1	20	12.85	13.05	13.25			
ED-030	Customer Service	1	20	12.85	13.05	13.25			
ED-031	Product Development	1	20	12.85	13.05	13.25			
ED-032	Quality Assurance	1	20	12.85	13.05	13.25			
ED-033	Project Management	1	20	12.85	13.05	13.25			
ED-034	Business Development	1	20	12.85	13.05	13.25			
ED-035	Operations	1	20	12.85	13.05	13.25			
ED-036	Logistics	1	20	12.85	13.05	13.25			
ED-037	Supply Chain	1	20	12.85	13.05	13.25			
ED-038	Manufacturing	1	20	12.85	13.05	13.25			
ED-039	Construction	1	20	12.85	13.05	13.25			
ED-040	Transportation	1	20	12.85	13.05	13.25			
ED-041	Warehousing	1	20	12.85	13.05	13.25			
ED-042	Inventory Management	1	20	12.85	13.05	13.25			
ED-043	Procurement	1	20	12.85	13.05	13.25			
ED-044	Vendor Management	1	20	12.85	13.05	13.25			
ED-045	Contract Management	1	20	12.85	13.05	13.25			
ED-046	Compliance	1	20	12.85	13.05	13.25			
ED-047	Regulatory Affairs	1	20	12.85	13.05	13.25			
ED-048	Public Policy	1	20	12.85	13.05	13.25			
ED-049	Government Relations	1	20	12.85	13.05	13.25			
ED-050	Non-Profit Management	1	20	12.85	13.05	13.25			
Department: Engineering									
EN-001	Software Engineer	1	40	12.15	12.45	12.75			
EN-002	Hardware Engineer	1	40	12.25	12.55	12.85	25		
EN-003	Electrical Engineer	1	40	12.35	12.65	12.95			
EN-004	Mechanical Engineer	1	40	12.45	12.75	13.05			
EN-005	Civil Engineer	1	40	12.55	12.85	13.15			
EN-006	Chemical Engineer	1	40	12.65	12.95	13.25			
EN-007	Environmental Engineer	1	40	12.75	13.05	13.35			
EN-008	Industrial Engineer	1	40	12.85	13.15	13.45			
EN-009	Systems Engineer	1	40	12.95	13.25	13.55			
EN-010	Quality Engineer	1	40	13.05	13.35	13.65			
EN-011	Reliability Engineer	1	40	13.15	13.45	13.75			
EN-012	Test Engineer	1	40	13.25	13.55	13.85			
EN-013	Design Engineer	1	40	13.35	13.65	13.95			
EN-014	Manufacturing Engineer	1	40	13.45	13.75	14.05			
EN-015	Process Engineer	1	40	13.55	13.85	14.15			
EN-016	Production Engineer	1	40	13.65	13.95	14.25			
EN-017	Plant Engineer	1	40	13.75	14.05	14.35			
EN-018	Facilities Engineer	1	40	13.85	14.15	14.45			
EN-019	Transportation Engineer	1	40	13.95	14.25	14.55			
EN-020	Security Engineer	1	40	14.05	14.35	14.65			
EN-021	IT Engineer	1	40	14.15	14.45	14.75			
EN-022	Legal Engineer	1	40	14.25	14.55	14.85			
EN-023	Insurance Engineer	1	40	14.35	14.65	14.95			
EN-024	Accounting Engineer	1	40	14.45	14.75	15.05			
EN-025	Human Resources Engineer	1	40	14.55	14.85	15.15			
EN-026	Communications Engineer	1	40	14.65	14.95	15.25			
EN-027	Public Relations Engineer	1	40	14.75	15.05	15.35			
EN-028	Marketing Engineer	1	40	14.85	15.15	15.45			
EN-029	Sales Engineer	1	40	14.95	15.25	15.55			
EN-030	Customer Service Engineer	1	40	15.05	15.35	15.65			
EN-031	Product Development Engineer	1	40	15.15	15.45	15.75			
EN-032	Quality Assurance Engineer	1	40	15.25	15.55	15.85			
EN-033	Project Management Engineer	1	40	15.35	15.65	15.95			
EN-034	Business Development Engineer	1	40	15.45	15.75	16.05			
EN-035	Operations Engineer	1	40	15.55	15.85	16.15			
EN-036	Logistics Engineer	1	40	15.65	15.95	16.25			
EN-037	Supply Chain Engineer	1	40	15.75	16.05	16.35			
EN-038	Manufacturing Engineer	1	40	15.85	16.15	16.45			
EN-039	Construction Engineer	1	40	15.95	16.25	16.55			
EN-040	Transportation Engineer	1	40	16.05	16.35	16.65			
EN-041	Warehousing Engineer	1	40	16.15	16.45	16.75			
EN-042	Inventory Management Engineer	1	40	16.25	16.55	16.85			
EN-043	Procurement Engineer	1	40	16.35	16.65	16.95			
EN-044	Vendor Management Engineer	1	40	16.45	16.75	17.05			
EN-045	Contract Management Engineer	1	40	16.55	16.85	17.15			
EN-046	Compliance Engineer	1	40	16.65	16.95	17.25			
EN-047	Regulatory Affairs Engineer	1	40	16.75	17.05	17.35			
EN-048	Public Policy Engineer	1	40	16.85	17.15	17.45			
EN-049	Government Relations Engineer	1	40	16.95	17.25	17.55			
EN-050	Non-Profit Management Engineer	1	40	17.05	17.35	17.65			

Basil M. and Maria D.									
SP #	Manufacturer	SP Size	SP Color	Power (Watt/Type)	Power (Watt/Type)	Power (Watt/Type)	Power (Watt/Type)	Power (Watt/Type)	SP Price (USD)
Powering (Watt)									
00	SP#001	1	0	2000	20.14	20.08			
01	SP#001	1	0	2000	20.14	20.08			
02	SP#001	1	0	2000	20.14	20.08			
03	SP#001	1	0	2000	20.14	20.08			
04	SP#001	1	0	2000	20.14	20.08			
05	SP#001	1	0	2000	20.14	20.08			
06	SP#001	1	0	2000	20.14	20.08			
07	SP#001	1	0	2000	20.14	20.08			
08	SP#001	1	0	2000	20.14	20.08			
09	SP#001	1	0	2000	20.14	20.08			
10	SP#001	1	0	2000	20.14	20.08			
11	SP#001	1	0	2000	20.14	20.08			
12	SP#001	1	0	2000	20.14	20.08			
13	SP#001	1	0	2000	20.14	20.08			
14	SP#001	1	0	2000	20.14	20.08			
15	SP#001	1	0	2000	20.14	20.08			
16	SP#001	1	0	2000	20.14	20.08			
17	SP#001	1	0	2000	20.14	20.08			
18	SP#001	1	0	2000	20.14	20.08			
19	SP#001	1	0	2000	20.14	20.08			
20	SP#001	1	0	2000	20.14	20.08			
21	SP#001	1	0	2000	20.14	20.08			
22	SP#001	1	0	2000	20.14	20.08			
23	SP#001	1	0	2000	20.14	20.08			
24	SP#001	1	0	2000	20.14	20.08			
25	SP#001	1	0	2000	20.14	20.08			
26	SP#001	1	0	2000	20.14	20.08			
27	SP#001	1	0	2000	20.14	20.08			
28	SP#001	1	0	2000	20.14	20.08			
29	SP#001	1	0	2000	20.14	20.08			
30	SP#001	1	0	2000	20.14	20.08			
31	SP#001	1	0	2000	20.14	20.08			
32	SP#001	1	0	2000	20.14	20.08			
33	SP#001	1	0	2000	20.14	20.08			
34	SP#001	1	0	2000	20.14	20.08			
35	SP#001	1	0	2000	20.14	20.08			
36	SP#001	1	0	2000	20.14	20.08			
37	SP#001	1	0	2000	20.14	20.08			
38	SP#001	1	0	2000	20.14	20.08			
39	SP#001	1	0	2000	20.14	20.08			
40	SP#001	1	0	2000	20.14	20.08			
41	SP#001	1	0	2000	20.14	20.08			
42	SP#001	1	0	2000	20.14	20.08			
43	SP#001	1	0	2000	20.14	20.08			
44	SP#001	1	0	2000	20.14	20.08			
45	SP#001	1	0	2000	20.14	20.08			
46	SP#001	1	0	2000	20.14	20.08			
47	SP#001	1	0	2000	20.14	20.08			
48	SP#001	1	0	2000	20.14	20.08			
49	SP#001	1	0	2000	20.14	20.08			
50	SP#001	1	0	2000	20.14	20.08			
51	SP#001	1	0	2000	20.14	20.08			
52	SP#001	1	0	2000	20.14	20.08			
53	SP#001	1	0	2000	20.14	20.08			
54	SP#001	1	0	2000	20.14	20.08			
55	SP#001	1	0	2000	20.14	20.08			
56	SP#001	1	0	2000	20.14	20.08			
57	SP#001	1	0	2000	20.14	20.08			
58	SP#001	1	0	2000	20.14	20.08			
59	SP#001	1	0	2000	20.14	20.08			
60	SP#001	1	0	2000	20.14	20.08			
61	SP#001	1	0	2000	20.14	20.08			
62	SP#001	1	0	2000	20.14	20.08			
63	SP#001	1	0	2000	20.14	20.08			
64	SP#001	1	0	2000	20.14	20.08			
65	SP#001	1	0	2000	20.14	20.08			
66	SP#001	1	0	2000	20.14	20.08			
67	SP#001	1	0	2000	20.14	20.08			
68	SP#001	1	0	2000	20.14	20.08			
69	SP#001	1	0	2000	20.14	20.08			
70	SP#001	1	0	2000	20.14	20.08			
71	SP#001	1	0	2000	20.14	20.08			
72	SP#001	1	0	2000	20.14	20.08			
73	SP#001	1	0	2000	20.14	20.08			
74	SP#001	1	0	2000	20.14	20.08			
75	SP#001	1	0	2000	20.14	20.08			
76	SP#001	1	0	2000	20.14	20.08			
77	SP#001	1	0	2000	20.14	20.08			
78	SP#001	1	0	2000	20.14	20.08			
79	SP#001	1	0	2000	20.14	20.08			
80	SP#001	1	0	2000	20.14	20.08			
81	SP#001	1	0	2000	20.14	20.08			
82	SP#001	1	0	2000	20.14	20.08			
83	SP#001	1	0	2000	20.14	20.08			
84	SP#001	1	0	2000	20.14	20.08			
85	SP#001	1	0	2000	20.14	20.08			
86	SP#001	1	0	2000	20.14	20.08			
87	SP#001	1	0	2000	20.14	20.08			
88	SP#001	1	0	2000	20.14	20.08			
89	SP#001	1	0	2000	20.14	20.08			
90	SP#001	1	0	2000	20.14	20.08			
91	SP#001	1	0	2000	20.14	20.08			
92	SP#001	1	0	2000	20.14	20.08			
93	SP#001	1	0	2000	20.14	20.08			
94	SP#001	1	0	2000	20.14	20.08			
95	SP#001	1	0	2000	20.14	20.08			
96	SP#001	1	0	2000	20.14	20.08			
97	SP#001	1	0	2000	20.14	20.08			
98	SP#001	1	0	2000	20.14	20.08			
99	SP#001	1	0	2000	20.14	20.08			
100	SP#001	1	0	2000	20.14	20.08			
Powering (Watt)									
00	SP#001	1	0	2000	20.14	20.08			
01	SP#001	1	0	2000	20.14	20.08			
02	SP#001	1	0	2000	20.14	20.08			
03	SP#001	1	0	2000	20.14	20.08			
04	SP#001	1	0	2000	20.14	20.08			
05	SP#001	1	0	2000	20.14	20.08			
06	SP#001	1	0	2000	20.14	20.08			
07	SP#001	1	0	2000	20.14	20.08			
08	SP#001	1	0	2000	20.14	20.08			
09	SP#001	1	0	2000	20.14	20.08			
10	SP#001	1	0	2000	20.14	20.08			
11	SP#001	1	0	2000	20.14	20.08			
12	SP#001	1	0	2000	20.14	20.08			
13	SP#001	1	0	2000	20.14	20.08			
14	SP#001	1	0	2000	20.14	20.08			
15	SP#001	1	0	2000	20.14	20.08			
16	SP#001	1	0	2000	20.14	20.08			
17	SP#001	1	0	2000	20.14	20.08			
18	SP#001	1	0	2000	20.14	20.08			
19	SP#001	1	0	2000	20.14	20.08			
20	SP#001	1	0	2000	20.14	20.08			
21	SP#001	1	0	2000	20.14	20.08			
22	SP#001	1	0	2000	20.14	20.08			
23	SP#001	1	0	2000	20.14	20.08			
24	SP#001	1	0	2000	20.14	20.08			
25	SP#001	1	0	2000	20.14	20.08			
26	SP#001	1	0	2000	20.14	20.08			
27	SP#001	1	0	2000	20.14	20.08			
28	SP#001	1	0	2000	20.14	20.08			
29	SP#001	1	0	2000	20.14	20.08			
30	SP#001	1	0	2000	20.14	20.08			
31	SP#001	1	0	2000	20.14	20.08			
32	SP#001	1	0	2000	20.14	20.08			
33	SP#001	1	0	2000	20.14	20.08			
34	SP#001	1	0	2000	20.14	20.08			
35	SP#001	1	0	2000	20.14	20.08			
36	SP#001	1	0	2000	20.14	20.08			
37	SP#001	1	0	2000	20.14	20.08			
38	SP#001	1	0	2000	20.14	20.08			
39	SP#001	1	0	2000	20.14	20.08			
40	SP#001	1	0	2000	20.14	20.08			
41	SP#001	1	0	2000	20.14	20.08			
42	SP#001	1	0	2000	20.14	20.08			
43	SP#001	1	0	2000	20.14	20.08			
44	SP#001	1	0	2000	20.14	20.08			
45	SP#001	1	0	2000	20.14	20.08			
46	SP#001	1	0	2000	20.14	20.08			
47	SP#001	1	0	2000	20.14	20.08			
48	SP#001	1	0	2000	20.14	20.08			
49	SP#001	1	0	2000	20.14	20.08			
50	SP#001	1	0	2000	20.14	20.08			
51	SP#001	1	0	2000	20.14	20.08			
52	SP#001	1	0	2000	20.14	20.08			
53	SP#001	1	0	2000	20.14	20.08			
54	SP#001	1	0	2000	20.14	20.08			
55	SP#001	1	0	2000	20.14	20.08			
56	SP#001	1	0	2000	20.14	20.08			
57	SP#001	1	0	2000	20.14	20.08			
58	SP#001	1	0	2000	20.14	20.08			
59	SP#001	1	0	2000	20.14	20.08			
60	SP#001	1	0	2000	20.14	20.08			
61	SP#001	1	0	2000	20.14	20.08			
62	SP#001	1	0	2000	20.14	20.08			
63	SP#001	1	0	2000	20.14	20.08			
64	SP#001								

World 400 - 1000 (2024)									
Rank	Player	Medals	1st	2nd	3rd	4th	5th	6th	7th
Frequency 100									
10	Wang	1	0	23.74	23.48	23.25	22.98	22.67	
10	Wang	1	0	22.67	22.80	22.80	22.78	22.88	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
Frequency 200									
10	Wang	1	0	23.74	23.48	23.25	22.98	22.67	
10	Wang	1	0	22.67	22.80	22.80	22.78	22.88	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
Frequency 300									
10	Wang	1	0	23.74	23.48	23.25	22.98	22.67	
10	Wang	1	0	22.67	22.80	22.80	22.78	22.88	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
Frequency 400									
10	Wang	1	0	23.74	23.48	23.25	22.98	22.67	
10	Wang	1	0	22.67	22.80	22.80	22.78	22.88	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
Frequency 500									
10	Wang	1	0	23.74	23.48	23.25	22.98	22.67	
10	Wang	1	0	22.67	22.80	22.80	22.78	22.88	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
Frequency 600									
10	Wang	1	0	23.74	23.48	23.25	22.98	22.67	
10	Wang	1	0	22.67	22.80	22.80	22.78	22.88	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
Frequency 700									
10	Wang	1	0	23.74	23.48	23.25	22.98	22.67	
10	Wang	1	0	22.67	22.80	22.80	22.78	22.88	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
Frequency 800									
10	Wang	1	0	23.74	23.48	23.25	22.98	22.67	
10	Wang	1	0	22.67	22.80	22.80	22.78	22.88	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
Frequency 900									
10	Wang	1	0	23.74	23.48	23.25	22.98	22.67	
10	Wang	1	0	22.67	22.80	22.80	22.78	22.88	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
Frequency 1000									
10	Wang	1	0	23.74	23.48	23.25	22.98	22.67	
10	Wang	1	0	22.67	22.80	22.80	22.78	22.88	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	
10	Wang	1	0	22.80	22.80	22.80	22.80	22.80	

North_America_Region												
City	Market	Sub_Market	Est_Type	Est_Value	Power (kW/Day)	Power (kW/Week)	Power (kW/Month)	Power (kW/Quarter)	Power (kW/Year)	Capacity (kW)	Usage (kW)	Efficiency (%)
Primary Data												
NY	US	NYC	1	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	2	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	3	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	4	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	5	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	6	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	7	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	8	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	9	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	10	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	11	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	12	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	13	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	14	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	15	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	16	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	17	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	18	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	19	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	20	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	21	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	22	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	23	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	24	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	25	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	26	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	27	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	28	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	29	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	30	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	31	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	32	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	33	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	34	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	35	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	36	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	37	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	38	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	39	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	40	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	41	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	42	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	43	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	44	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	45	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	46	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	47	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	48	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	49	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	50	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	51	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	52	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	53	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	54	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	55	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	56	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	57	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	58	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	59	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	60	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	61	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	62	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	63	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	64	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	65	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	66	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	67	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	68	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	69	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	70	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	71	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	72	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	73	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	74	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	75	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	76	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	77	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	78	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	79	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	80	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	81	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	82	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	83	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	84	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	85	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	86	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	87	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	88	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	89	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	90	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	91	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	92	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	93	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	94	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	95	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	96	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	97	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	98	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	99	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	100	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	101	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	102	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	103	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	104	100	20.00	140.00	420.00	1260.00	3780.00	250	240	96
NY	US	NYC	105	100	20.00	140.00	420.00	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		824.2	836.4	848.8	
GSM 1 Tx slot	32.19	32.28	32.37	33.50	23.19	23.28	23.37	24.50
GPRS 1 Tx slot	32.18	32.32	32.40	33.50	23.18	23.32	23.40	24.50
GPRS 2 Tx slots	29.39	29.01	28.99	30.50	23.39	23.01	22.99	24.50
GPRS 3 Tx slots	27.55	27.06	26.63	28.50	23.29	22.80	22.37	24.24
GPRS 4 Tx slots	26.20	25.63	25.14	26.50	23.20	22.63	22.14	23.50
EDGE 1 Tx slot	26.16	26.27	26.25	27.00	17.16	17.27	17.25	18.00
EDGE 2 Tx slots	25.09	25.19	25.16	25.50	19.09	19.19	19.16	19.50
EDGE 3 Tx slots	23.43	23.59	23.54	24.00	19.17	19.33	19.28	19.74
EDGE 4 Tx slots	21.87	21.94	21.91	22.50	18.87	18.94	18.91	19.50

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

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	20.46	20.40	20.52	21.60	21.16	21.23	21.08	22.20	21.73	21.84	21.80	22.90
3GPP Rel 99	RMC 12.2Kbps	20.57	20.51	20.56	21.60	21.24	21.24	21.23	22.20	21.81	21.91	21.88	22.90
3GPP Rel 6	HSDDPA 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	HSDDPA 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	HSDDPA 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	HSDDPA Subtest-4	19.42	19.44	19.50	20.10	20.17	20.16	20.16	20.70	20.30	20.43	20.40	20.90
3GPP Rel 8	DC-HSDPA Subtest-1	20.01	19.98	20.06	20.60	20.71	20.72	20.61	21.20	21.30	21.42	21.37	22.40
3GPP Rel 8	DC-HSDPA Subtest-2	20.00	19.99	20.01	20.60	20.70	20.71	20.63	21.20	21.34	21.39	21.33	22.40
3GPP Rel 8	DC-HSDPA Subtest-3	19.54	19.47	19.51	20.10	20.16	20.23	20.17	20.70	20.69	20.93	20.92	21.90
3GPP Rel 8	DC-HSDPA Subtest-4	18.52	18.46	18.52	20.10	20.21	20.21	20.16	20.70	20.87	20.91	20.88	21.90
3GPP Rel 6	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		CDMA BCD			Tune-up Limit (dBm)
TX Channel		1013	384	777	
Frequency (MHz)		824.7	836.52	848.31	
RC1 SO65		23.20	23.47	23.41	24.60
RC3 SO65		23.19	23.46	23.39	24.60
RC3 SO32 (F+SCH)		23.23	23.50	23.45	24.60
RC3 SO32 (+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)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	31.51	31.52	31.35	32.50	22.51	22.52	22.35	23.50
GPRS 1 Tx slot	31.57	31.58	31.33	32.50	22.57	22.58	22.33	23.50
GPRS 2 Tx slots	28.44	28.00	27.53	29.50	22.44	22.00	21.53	23.50
GPRS 3 Tx slots	26.59	26.08	25.60	27.50	22.33	21.82	21.34	23.24
GPRS 4 Tx slots	25.03	24.46	24.05	26.00	22.03	21.46	21.05	23.00
EDGE 1 Tx slot	26.14	26.29	26.26	27.00	17.14	17.29	17.26	18.00
EDGE 2 Tx slots	25.08	25.19	25.17	25.50	19.08	19.19	19.17	19.50
EDGE 3 Tx slots	23.43	23.57	23.53	24.00	19.17	19.31	19.27	19.74
EDGE 4 Tx slots	21.83	21.88	21.93	22.50	18.83	18.88	18.93	19.50

GSM1900	Burst Average Power (dBm)				Tune-up Limit (dBm)	Frame-Average Power (dBm)				Tune-up Limit (dBm)
	TX Channel									
	512	661	810			512	661	810		
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8			
GSM 1 Tx slot	29.42	29.38	29.11	29.50	20.42	20.38	20.11	20.50		
GPRS 1 Tx slot	29.43	29.42	29.19	29.50	20.43	20.42	20.19	20.50		
GPRS 2 Tx slots	26.40	26.40	26.37	26.50	20.40	20.40	20.37	20.50		
GPRS 3 Tx slots	24.70	24.71	23.54	25.00	20.44	20.45	19.28	20.74		
GPRS 4 Tx slots	23.35	22.89	22.12	23.50	20.35	19.89	19.12	20.50		
EDGE 1 Tx slot	25.33	25.40	25.14	26.00	16.33	16.40	16.14	17.00		
EDGE 2 Tx slots	24.31	24.26	24.29	24.50	18.31	18.26	18.29	18.50		
EDGE 3 Tx slots	22.23	22.66	22.21	23.00	17.97	18.40	17.95	18.74		
EDGE 4 Tx slots	21.18	21.06	21.01	21.50	18.18	18.06	18.01	18.50		

Band		CDMA BCD			Tune-up Limit (dBm)
TX Channel		1013	384	777	
Frequency (MHz)		824.7	836.52	848.31	
RC1 SO65		22.14	22.36	22.35	23.40
RC3 SO65		22.11	22.33	22.34	23.40
RC3 SO32 (F+SCH)		22.17	22.39	22.36	23.40
RC3 SO32 (+SCH)		22.15	22.37	22.34	23.40
RTAP 153.6Kbps		22.40	22.43	22.38	23.40
RETAP 4096Bits		22.38	22.41	22.36	23.40

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	21.02	21.08	20.78	22.00	20.61	20.63	20.44	21.60	22.25	22.24	22.04	22.90
3GPP Rel 99	RMC 12.2Kbps	21.10	21.09	20.96	22.00	20.66	20.67	20.48	21.60	22.23	22.26	22.03	22.90
3GPP Rel 6	HSDDPA 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	HSDDPA Subtest-2	20.58	20.26	20.31	21.00	20.18	20.16	19.98	20.60	21.26	21.26	21.01	21.90
3GPP Rel 6	HSDDPA 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	HSDDPA 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	18.61	18.26	18.33	19.00	18.19	18.17	17.92	19.60	20.21	20.22	20.04	20.90
3GPP Rel 6	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. 18700	Power Middle Ch. / Freq. 18800	Power High Ch. / Freq. 18900	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	20.55	20.35	20.28	21.3	0				
20	QPSK	1	49	20.28	20.10	20.15						
20	QPSK	1	99	20.17	20.06	20.13						
20	QPSK	50	0	20.51	20.28	20.25	21.3	0				
20	QPSK	50	24	20.46	20.30	20.39						
20	QPSK	50	50	20.35	20.28	20.34						
20	QPSK	100	0	20.50	20.27	20.27	21.3	0				
20	16QAM	1	0	20.30	20.58	20.56						
20	16QAM	1	49	20.64	20.47	20.55						
20	16QAM	1	99	20.52	20.42	20.54	21.3	0				
20	16QAM	50	0	20.53	20.29	20.27						
20	16QAM	50	24	20.50	20.32	20.37						
20	16QAM	50	50	20.37	20.28	20.36	21.3	0				
20	16QAM	100	0	20.48	20.28	20.27						
20	64QAM	1	0	20.64	20.46	20.41						
20	64QAM	1	49	20.33	20.33	20.34	21.3	0				
20	64QAM	1	99	20.32	20.32	20.36						
20	64QAM	50	0	20.14	19.91	19.90						
20	64QAM	50	24	20.10	19.92	19.98	21	0.3				
20	64QAM	50	50	19.98	19.89	19.96						
20	64QAM	100	0	20.09	19.89	19.90						
Channel												
Frequency (MHz)												
15	QPSK	1	0	20.44	20.20	20.23	21.3	0				
15	QPSK	1	37	20.34	20.14	20.22						
15	QPSK	1	74	20.29	20.16	20.21						
15	QPSK	36	0	20.51	20.27	20.23	21.3	0				
15	QPSK	36	20	20.42	20.28	20.29						
15	QPSK	36	39	20.39	20.27	20.35						
15	QPSK	75	0	20.41	20.28	20.25	21.3	0				
15	16QAM	1	0	20.70	20.48	20.52						
15	16QAM	1	37	20.67	20.45	20.52						
15	16QAM	1	74	20.61	20.41	20.57	21.3	0				
15	16QAM	36	0	20.52	20.28	20.24						
15	16QAM	36	20	20.44	20.29	20.30						
15	16QAM	36	39	20.40	20.31	20.37	21.3	0				
15	16QAM	75	0	20.42	20.29	20.26						
15	64QAM	1	0	20.59	20.43	20.35						
15	64QAM	1	37	20.55	20.38	20.40	21.3	0				
15	64QAM	1	74	20.42	20.29	20.36						
15	64QAM	36	0	20.14	19.90	19.91						
15	64QAM	36	20	20.09	19.90	19.93	21	0.3				
15	64QAM	36	39	20.05	19.94	20.02						
15	64QAM	75	0	20.02	19.90	19.89						
Channel												
Frequency (MHz)												
10	QPSK	1	0	20.36	20.08	20.20	21.3	0				
10	QPSK	1	25	20.33	20.09	20.20						
10	QPSK	1	49	20.24	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	20.42	20.25	20.26						
10	16QAM	25	25	20.42	20.27	20.34	21.3	0				
10	16QAM	50	0	20.40	20.23	20.24						
10	64QAM	1	0	20.60	20.39	20.45						
10	64QAM	1	25	20.65	20.39	20.52	21.3	0				
10	64QAM	1	49	20.51	20.34	20.46						
10	64QAM	25	0	20.11	19.84	19.84						
10	64QAM	25	12	20.04	19.89	19.90	21	0.3				
10	64QAM	25	25	20.01	19.87	19.97						
10	64QAM	50	0	20.03	19.86	19.91						
Channel												
Frequency (MHz)												
5	QPSK	1	0	20.35	20.11	20.17	21.3	0				
5	QPSK	1	12	20.37	20.13	20.23						
5	QPSK	1	24	20.38	20.18	20.23						
5	QPSK	12	0	20.46	20.18	20.31	21.3	0				
5	QPSK	12	7	20.48	20.25	20.31						
5	QPSK	12	13	20.47	20.22	20.32						
5	QPSK	25	0	20.46	20.20	20.29	21.3	0				
5	16QAM	1	0	20.71	20.40	20.50						
5	16QAM	1	12	20.64	20.44	20.53						
5	16QAM	1	24	20.66	20.44	20.58	21.3	0				
5	16QAM	12	0	20.48	20.21	20.27						
5	16QAM	12	7	20.50	20.26	20.32						
5	16QAM	12	13	20.47	20.26	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	20.05	19.83	19.88						
Channel												
Frequency (MHz)												
3	QPSK	1	0	20.32	20.10	20.19	21.3	0				
3	QPSK	1	8	20.42	20.18	20.26						
3	QPSK	1	14	20.36	20.14	20.21						
3	QPSK	8	0	20.42	20.21	20.29	21.3	0				
3	QPSK	8	4	20.45	20.21	20.31						
3	QPSK	8	7	20.42	20.19	20.27						
3	QPSK	15	0	20.45	20.17	20.29	21.3	0				
3	16QAM	1	0	20.64	20.41	20.53						
3	16QAM	1	8	20.70	20.51	20.56						
3	16QAM	1	14	20.67	20.46	20.51	21.3	0				
3	16QAM	8	0	20.51	20.24	20.35						
3	16QAM	8	4	20.51	20.32	20.36						
3	16QAM	8	7	20.48	20.25	20.35	21.3	0				
3	16QAM	15	0	20.48	20.25	20.30						
3	64QAM	1	0	20.63	20.30	20.44						
3	64QAM	1	8	20.68	20.40	20.51	21.3	0				
3	64QAM	1	14	20.64	20.34	20.43						
3	64QAM	8	0	20.10	19.85	19.94						
3	64QAM	8	4	20.11	19.90	19.98	21	0.3				
3	64QAM	8	7	20.09	19.88	19.96						
3	64QAM	15	0	20.08	19.83	19.90						
Channel												
Frequency (MHz)												
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	20.64	20.41	20.53						
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	20.68	20.40	20.51	21.3	0				
1.4	64QAM	1	5	20.64	20.34	20.43						
1.4	64QAM	3	0	20.10	19.85	19.94						
1.4	64QAM	3	1	20.11	19.90	19.98	21	0.3				
1.4	64QAM	3	3	20.09	19.88	19.96						
1.4	64QAM	6	0	20.01	19.87	19.91						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	20.32	20.10	20.19	21	0.3				

Band 4_Ant1_DSI 5										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)		
Channel				20500	20175	20300				
Frequency (MHz)				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	QPSK	50	24	19.46	19.38	19.31	20.6	0		
20	QPSK	50	50	19.36	19.34	19.29				
20	QPSK	100	0	19.42	19.41	19.26				
20	16QAM	1	0	19.79	19.78	19.71				
20	16QAM	1	49	19.60	19.58	19.51	20.6	0		
20	16QAM	1	99	19.58	19.53	19.42				
20	16QAM	50	0	19.47	19.48	19.43				
20	16QAM	50	24	19.49	19.40	19.32				
20	16QAM	50	50	19.41	19.38	19.31	20.6	0		
20	16QAM	100	0	19.44	19.40	19.31				
20	64QAM	1	0	19.62	19.66	19.62				
20	64QAM	1	49	19.48	19.49	19.40				
20	64QAM	1	99	19.45	19.42	19.35	20.6	0		
20	64QAM	50	0	19.48	19.50	19.45				
20	64QAM	50	24	19.51	19.44	19.36				
20	64QAM	50	50	19.43	19.40	19.33				
20	64QAM	100	0	19.48	19.43	19.34				
Channel				20025	20175	20325	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1717.5	1732.5	1747.5				
15	QPSK	1	0	19.33	19.36	19.41	20.6	0		
15	QPSK	1	37	19.21	19.14	19.07				
15	QPSK	1	74	19.17	19.15	19.04				
15	QPSK	36	0	19.46	19.38	19.34				
15	QPSK	36	20	19.43	19.30	19.21	20.6	0		
15	QPSK	36	39	19.26	19.28	19.25				
15	QPSK	75	0	19.40	19.38	19.18				
15	16QAM	1	0	19.77	19.75	19.63				
15	16QAM	1	37	19.52	19.52	19.47	20.6	0		
15	16QAM	1	74	19.50	19.50	19.40				
15	16QAM	36	0	19.46	19.45	19.33				
15	16QAM	36	20	19.45	19.39	19.22				
15	16QAM	36	39	19.31	19.36	19.25	20.6	0		
15	16QAM	75	0	19.38	19.30	19.25				
15	64QAM	1	0	19.52	19.60	19.61				
15	64QAM	1	37	19.47	19.39	19.35				
15	64QAM	1	74	19.37	19.41	19.29	20.6	0		
15	64QAM	36	0	19.47	19.48	19.45				
15	64QAM	36	20	19.51	19.35	19.32				
15	64QAM	36	39	19.43	19.34	19.26				
15	64QAM	75	0	19.38	19.41	19.28				
Channel				20000	20175	20350	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1715	1732.5	1750				
10	QPSK	1	0	19.31	19.39	19.36	20.6	0		
10	QPSK	1	25	19.17	19.14	19.12				
10	QPSK	1	49	19.13	19.14	19.07				
10	QPSK	25	0	19.46	19.44	19.33				
10	QPSK	25	12	19.45	19.30	19.27	20.6	0		
10	QPSK	25	25	19.31	19.32	19.21				
10	QPSK	50	0	19.39	19.34	19.24				
10	16QAM	1	0	19.69	19.72	19.64				
10	16QAM	1	25	19.51	19.57	19.43	20.6	0		
10	16QAM	1	49	19.49	19.46	19.38				
10	16QAM	25	0	19.38	19.41	19.38				
10	16QAM	25	12	19.44	19.31	19.26				
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				
10	64QAM	1	49	19.45	19.33	19.34	20.6	0		
10	64QAM	25	0	19.42	19.41	19.38				
10	64QAM	25	12	19.43	19.40	19.32				
10	64QAM	25	25	19.42	19.40	19.28				
10	64QAM	50	0	19.40	19.39	19.29				
Channel				19975	20175	20375	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1712.5	1732.5	1752.5				
5	QPSK	1	0	19.30	19.41	19.32	20.6	0		
5	QPSK	1	12	19.16	19.14	19.13				
5	QPSK	1	24	19.17	19.09	19.13				
5	QPSK	12	0	19.42	19.36	19.38				
5	QPSK	12	7	19.39	19.29	19.30	20.6	0		
5	QPSK	12	13	19.29	19.28	19.20				
5	QPSK	25	0	19.35	19.33	19.24				
5	16QAM	1	0	19.69	19.75	19.68				
5	16QAM	1	12	19.51	19.54	19.44	20.6	0		
5	16QAM	1	24	19.52	19.45	19.39				
5	16QAM	12	0	19.42	19.45	19.36				
5	16QAM	12	7	19.43	19.37	19.28				
5	16QAM	12	13	19.38	19.34	19.26	20.6	0		
5	16QAM	25	0	19.37	19.30	19.22				
5	64QAM	1	0	19.60	19.58	19.57				
5	64QAM	1	12	19.40	19.39	19.35				
5	64QAM	1	24	19.36	19.36	19.33	20.6	0		
5	64QAM	12	0	19.44	19.43	19.43				
5	64QAM	12	7	19.48	19.43	19.33				
5	64QAM	12	13	19.37	19.34	19.28				
5	64QAM	25	0	19.46	19.34	19.34				
Channel				19950	20175	20393	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1711.5	1732.5	1753.5				
3	QPSK	1	0	19.34	19.34	19.39	20.6	0		
3	QPSK	1	8	19.20	19.23	19.14				
3	QPSK	1	14	19.18	19.07	19.11				
3	QPSK	8	0	19.37	19.38	19.37				
3	QPSK	8	4	19.38	19.29	19.27	20.6	0		
3	QPSK	8	7	19.36	19.34	19.25				
3	QPSK	15	0	19.38	19.32	19.21				
3	16QAM	1	0	19.72	19.68	19.64				
3	16QAM	1	8	19.57	19.53	19.46	20.6	0		
3	16QAM	1	14	19.55	19.43	19.33				
3	16QAM	8	0	19.47	19.40	19.38				
3	16QAM	8	4	19.46	19.31	19.25				
3	16QAM	8	7	19.41	19.31	19.30	20.6	0		
3	16QAM	15	0	19.42	19.39	19.25				
3	64QAM	1	8	19.58	19.62	19.58				
3	64QAM	1	14	19.48	19.44	19.40				
3	64QAM	1	8	19.43	19.41	19.30	20.6	0		
3	64QAM	8	0	19.39	19.50	19.35				
3	64QAM	8	4	19.47	19.38	19.34				
3	64QAM	8	7	19.36	19.36	19.32				
3	64QAM	15	0	19.44	19.33	19.24				
Channel				19957	20175	20393	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				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				
1.4	QPSK	3	1	19.39	19.33	19.31	20.6	0		
1.4	QPSK	3	3	19.23	19.30	19.23				
1.4	QPSK	6	0	19.35	19.39	19.17				
1.4	16QAM	1	0	19.77	19.77	19.77				
1.4	16QAM	1	3	19.53	19.52	19.44	20.6	0		
1.4	16QAM	1	5	19.48	19.50	19.32				
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	3	19.54	19.62	19.57				
1.4	64QAM	1	5	19.46	19.46	19.31				
1.4	64QAM	1	8	19.38	19.33	19.27	20.6	0		
1.4	64QAM	3	0	19.44	19.44	19.45				
1.4	64QAM	3	1	19.50	19.42	19.29				
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 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	21.78	22.02	22.01	23	0	
20	QPSK	1	49	21.88	22.19	22.04			
20	QPSK	1	99	22.03	22.25	22.08			
20	QPSK	50	0	21.92	22.21	22.18	23	0	
20	QPSK	50	24	22.07	22.27	22.20			
20	QPSK	50	50	22.10	22.28	22.14			
20	QPSK	100	0	22.02	22.26	22.21	23	0	
20	16QAM	1	0	22.18	22.38	22.36			
20	16QAM	1	49	22.23	22.57	22.41			
20	16QAM	1	99	22.40	22.56	22.42	23	0	
20	16QAM	50	0	21.04	21.22	21.19			
20	16QAM	50	24	21.05	21.29	21.20			
20	16QAM	50	50	21.12	21.32	21.15	23	0	
20	16QAM	100	0	21.03	21.28	21.19			
20	64QAM	1	0	22.03	21.21	21.27			
20	64QAM	1	49	22.09	21.42	21.28	23	0	
20	64QAM	1	99	22.25	21.42	21.08			
20	64QAM	50	0	20.92	20.28	20.23			
20	64QAM	50	24	21.06	20.34	20.24	22	1	
20	64QAM	50	50	21.08	20.33	20.17			
20	64QAM	100	0	21.04	20.28	20.23			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	21.75	21.99	21.92	23	0	
15	QPSK	1	37	21.84	22.12	21.96			
15	QPSK	1	74	21.95	22.24	22.07			
15	QPSK	36	0	21.88	22.21	22.08	23	0	
15	QPSK	36	20	21.99	22.26	22.15			
15	QPSK	36	39	22.10	22.23	22.09			
15	QPSK	75	0	21.94	22.26	22.21	23	0	
15	16QAM	1	0	22.09	22.31	22.27			
15	16QAM	1	37	22.15	22.54	22.35			
15	16QAM	1	74	22.38	22.48	22.41	23	0	
15	16QAM	36	0	21.03	21.13	21.15			
15	16QAM	36	20	21.05	21.20	21.18			
15	16QAM	36	39	21.08	21.26	21.15	23	0	
15	16QAM	75	0	21.06	21.20	21.10			
15	64QAM	1	0	21.95	21.17	21.20			
15	64QAM	1	37	22.04	21.32	21.18	23	0	
15	64QAM	1	74	22.19	21.36	21.05			
15	64QAM	36	0	20.90	20.23	20.14			
15	64QAM	36	20	21.00	20.24	20.15	22	1	
15	64QAM	36	39	21.08	20.25	20.07			
15	64QAM	75	0	21.02	20.23	20.10			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	21.73	22.01	21.98	23	0	
10	QPSK	1	25	21.81	22.09	22.02			
10	QPSK	1	49	21.96	22.16	22.02			
10	QPSK	25	0	21.91	22.19	22.17	23	0	
10	QPSK	25	12	22.02	22.18	22.10			
10	QPSK	25	25	22.02	22.23	22.18			
10	QPSK	50	0	21.97	22.18	22.17	23	0	
10	16QAM	1	0	22.18	22.30	22.27			
10	16QAM	1	25	22.16	22.54	22.34			
10	16QAM	1	49	22.38	22.56	22.37	23	0	
10	16QAM	25	0	21.03	21.20	21.09			
10	16QAM	25	12	21.06	21.27	21.12			
10	16QAM	25	25	21.07	21.29	21.08	23	0	
10	16QAM	50	0	21.03	21.20	21.13			
10	64QAM	1	0	21.95	21.18	21.19			
10	64QAM	1	25	22.04	21.41	21.18	23	0	
10	64QAM	1	49	22.18	21.38	21.05			
10	64QAM	25	0	20.90	20.19	20.15			
10	64QAM	25	12	21.06	20.32	20.14	22	1	
10	64QAM	25	25	21.06	20.26	20.16			
10	64QAM	50	0	20.97	20.19	20.23			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	21.78	21.91	21.80	23	0	
5	QPSK	1	12	21.83	22.11	21.84			
5	QPSK	1	24	21.94	22.15	22.04			
5	QPSK	12	0	21.82	22.13	22.10	23	0	
5	QPSK	12	7	22.07	22.23	22.14			
5	QPSK	12	13	22.10	22.21	22.13			
5	QPSK	25	0	22.01	22.26	22.18	23	0	
5	16QAM	1	0	22.17	22.32	22.34			
5	16QAM	1	12	22.20	22.49	22.41			
5	16QAM	1	24	22.38	22.53	22.36	23	0	
5	16QAM	12	0	21.02	21.12	21.10			
5	16QAM	12	7	21.06	21.19	21.20			
5	16QAM	12	13	21.09	21.25	21.14	23	0	
5	16QAM	25	0	21.06	21.24	21.18			
5	64QAM	1	0	22.01	21.17	21.22			
5	64QAM	1	12	21.99	21.35	21.20	23	0	
5	64QAM	1	24	22.19	21.34	21.06			
5	64QAM	12	0	20.91	20.28	20.17			
5	64QAM	12	7	20.99	20.31	20.19	22	1	
5	64QAM	12	13	20.98	20.29	20.10			
5	64QAM	25	0	20.94	20.25	20.23			

Band 7_Ant2 DSI 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				2510	2535	2560			
Frequency (MHz)									
20	QPSK	1	0	19.10	19.48	19.23	21.1	0	
20	QPSK	1	49	19.14	19.42	19.23			
20	QPSK	1	99	19.32	19.29	19.23			
20	QPSK	50	0	19.20	19.54	19.38	21.1	0	
20	QPSK	50	24	19.35	19.53	19.40			
20	QPSK	50	50	19.37	19.47	19.32			
20	QPSK	100	0	19.34	19.51	19.40	21.1	0	
20	16QAM	1	0	19.45	19.63	19.61			
20	16QAM	1	49	19.54	19.78	19.58			
20	16QAM	1	99	19.72	19.83	19.60	21.1	0	
20	16QAM	50	0	19.12	19.30	19.20			
20	16QAM	50	24	19.15	19.36	19.21			
20	16QAM	50	50	19.19	19.37	19.15	21.1	0	
20	16QAM	100	0	19.14	19.30	19.20			
20	64QAM	1	0	19.11	19.30	19.32			
20	64QAM	1	49	19.20	19.52	19.30	21.1	0	
20	64QAM	1	99	19.39	19.46	19.29			
20	64QAM	50	0	18.10	18.33	18.22			
20	64QAM	50	24	18.17	18.39	18.26	20.1	1	
20	64QAM	50	50	18.21	18.38	18.15			
20	64QAM	100	0	18.15	18.34	18.25			
Channel				20825	21100	21375	Tuneup limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	19.12	19.28	19.23	21.1	0	
15	QPSK	1	37	19.11	19.40	19.21			
15	QPSK	1	74	19.28	19.44	19.21			
15	QPSK	36	0	19.13	19.41	19.37	21.1	0	
15	QPSK	36	20	19.31	19.46	19.36			
15	QPSK	36	39	19.35	19.47	19.24			
15	QPSK	75	0	19.14	19.51	19.38	21.1	0	
15	16QAM	1	0	19.38	19.57	19.59			
15	16QAM	1	37	19.62	19.69	19.49			
15	16QAM	1	74	19.71	19.83	19.62	21.1	0	
15	16QAM	36	0	19.11	19.22	19.13			
15	16QAM	36	20	19.12	19.29	19.11			
15	16QAM	36	39	19.16	19.29	19.14	21.1	0	
15	16QAM	75	0	19.15	19.29	19.14			
15	64QAM	1	0	19.16	19.27	19.17			
15	64QAM	1	37	19.15	19.42	19.20	21.1	0	
15	64QAM	1	74	19.11	19.41	19.21			
15	64QAM	36	0	18.16	18.24	18.17			
15	64QAM	36	20	18.15	18.38	18.18	20.1	1	
15	64QAM	36	39	18.17	18.31	18.12			
15	64QAM	75	0	18.14	18.34	18.22			
Channel				20800	21100	21400	Tuneup limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	19.13	19.28	19.22	21.1	0	
10	QPSK	1	25	19.14	19.32	19.20			
10	QPSK	1	49	19.24	19.42	19.14			
10	QPSK	25	0	19.16	19.42	19.35	21.1	0	
10	QPSK	25	12	19.25	19.45	19.33			
10	QPSK	25	25	19.35	19.44	19.23			
10	QPSK	50	0	19.33	19.44	19.30	21.1	0	
10	16QAM	1	0	19.39	19.59	19.57			
10	16QAM	1	25	19.62	19.77	19.62			
10	16QAM	1	49	19.71	19.74	19.51	21.1	0	
10	16QAM	25	0	19.10	19.24	19.11			
10	16QAM	25	12	19.12	19.27	19.18			
10	16QAM	25	25	19.14	19.33	19.11	21.1	0	
10	16QAM	50	0	19.11	19.23	19.15			
10	64QAM	1	0	19.12	19.26	19.31			
10	64QAM	1	25	19.13	19.43	19.23	21.1	0	
10	64QAM	1	49	19.30	19.37	19.21			
10	64QAM	25	0	18.12	18.31	18.19			
10	64QAM	25	12	18.13	18.29	18.21	20.1	1	
10	64QAM	25	25	18.20	18.30	18.10			
10	64QAM	50	0	18.11	18.25	18.23			
Channel				20775	21100	21425	Tuneup limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	19.12	19.19	19.21	21.1	0	
5	QPSK	1	12	19.10	19.41	19.21			
5	QPSK	1	24	19.24	19.42	19.17			
5	QPSK	12	0	19.12	19.37	19.37	21.1	0	
5	QPSK	12	7	19.30	19.46	19.32			
5	QPSK	12	13	19.29	19.54	19.29			
5	QPSK	25	0	19.29	19.43	19.33	21.1	0	
5	16QAM	0	0	19.43	19.57	19.57			
5	16QAM	1	12	19.47	19.77	19.58			
5	16QAM	1	24	19.67	19.76	19.55	21.1	0	
5	16QAM	12	0	19.11	19.27	19.15			
5	16QAM	12	7	19.10	19.36	19.15			
5	16QAM	12	13	19.17	19.36	19.12	21.1	0	
5	16QAM	25	0	19.15	19.27	19.10			
5	64QAM	1	0	19.12	19.21	19.29			
5	64QAM	1	12	19.18	19.48	19.20	21.1	0	
5	64QAM	1	24	19.36	19.37	19.26			
5	64QAM	12	0	18.12	18.29	18.15			
5	64QAM	12	7	18.15	18.36	18.20	20.1	1	
5	64QAM	12	13	18.14	18.37	18.28			
5	64QAM	25	0	18.13	18.27	18.22			

Band 66_Ant1 DSI 3											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				132072	132322	132572					
Frequency (MHz)				1720	1745	1770					
20	QPSK	1	0	21.14	21.12	21.05	22	0			
20	QPSK	1	49	21.05	20.98	20.90					
20	QPSK	1	99	20.96	20.91	20.78					
20	QPSK	50	0	21.15	21.11	21.04					
20	QPSK	50	24	21.13	21.08	20.99	22	0			
20	QPSK	50	50	21.14	21.09	21.00					
20	QPSK	100	0	21.18	21.04	21.00					
20	16QAM	1	0	21.53	21.50	21.39					
20	16QAM	1	49	21.42	21.33	21.24	22	0			
20	16QAM	1	99	21.31	21.20	21.12					
20	16QAM	50	0	20.96	20.92	20.85					
20	16QAM	50	24	21.03	20.90	20.83					
20	16QAM	50	50	20.97	20.92	20.81	22	0			
20	16QAM	100	0	20.99	20.85	20.83					
20	64QAM	1	0	21.14	21.11	21.02					
20	64QAM	1	49	21.04	20.97	20.93					
20	64QAM	1	99	21.04	20.98	20.82	22	0			
20	64QAM	50	0	19.98	19.96	19.88					
20	64QAM	50	24	20.04	19.91	19.84					
20	64QAM	50	50	19.98	19.92	19.84					
20	64QAM	100	0	20.04	19.90	19.81	21	1			
Channel				132047	132322	132597					
Frequency (MHz)				1717.5	1745	1772.5					
15	QPSK	1	0	21.07	21.08	21.02	22	0			
15	QPSK	1	37	21.05	20.93	20.81					
15	QPSK	1	74	20.91	20.88	20.78					
15	QPSK	36	0	21.05	21.02	20.96					
15	QPSK	36	20	21.06	20.99	20.97	22	0			
15	QPSK	36	39	21.09	21.00	20.96					
15	QPSK	75	0	21.15	21.04	20.91					
15	16QAM	1	0	21.46	21.49	21.39					
15	16QAM	1	37	21.37	21.28	21.20	22	0			
15	16QAM	1	74	21.22	21.14	21.03					
15	16QAM	36	0	20.86	20.86	20.77					
15	16QAM	36	20	20.94	20.83	20.73					
15	16QAM	36	39	20.91	20.88	20.78	22	0			
15	16QAM	75	0	20.93	20.81	20.75					
15	64QAM	1	0	21.09	21.10	21.01					
15	64QAM	1	37	20.97	20.88	20.85					
15	64QAM	1	74	20.94	20.96	20.73	21	1			
15	64QAM	36	0	19.88	19.89	19.81					
15	64QAM	36	20	19.94	19.88	19.83					
15	64QAM	36	39	19.90	19.84	19.74					
15	64QAM	75	0	19.94	19.90	19.71	Channel				
Frequency (MHz)				132022	132322	132622					
Frequency (MHz)				1715	1745	1775					
10	QPSK	1	0	21.09	21.02	20.95	22	0			
10	QPSK	1	25	21.02	20.91	20.86					
10	QPSK	1	49	20.86	20.85	20.68					
10	QPSK	25	0	21.10	21.01	20.96					
10	QPSK	25	12	21.13	21.06	20.92	22	0			
10	QPSK	25	25	21.11	21.02	20.96					
10	QPSK	50	0	21.16	21.04	20.95					
10	16QAM	1	0	21.53	21.47	21.34					
10	16QAM	1	25	21.38	21.30	21.19	22	0			
10	16QAM	1	49	21.26	21.17	21.11					
10	16QAM	25	0	20.88	20.91	20.77					
10	16QAM	25	12	21.00	20.82	20.75					
10	16QAM	25	25	20.94	20.88	20.72	22	0			
10	16QAM	50	0	20.99	20.78	20.75					
10	64QAM	1	0	21.08	21.10	20.95					
10	64QAM	1	25	20.98	20.94	20.83					
10	64QAM	1	49	21.04	20.88	20.81	22	0			
10	64QAM	25	0	19.96	19.94	19.80					
10	64QAM	25	12	20.02	19.83	19.79					
10	64QAM	25	25	19.90	19.87	19.74					
10	64QAM	50	0	20.00	19.85	19.72	Channel				
Frequency (MHz)				131997	132322	132647					
Frequency (MHz)				1712.5	1745	1777.5					
5	QPSK	1	0	21.08	21.02	21.04	22	0			
5	QPSK	1	12	21.04	20.97	20.84					
5	QPSK	1	24	20.89	20.86	20.76					
5	QPSK	12	0	21.12	21.03	20.97					
5	QPSK	12	7	21.07	20.98	20.91	22	0			
5	QPSK	12	13	21.08	21.06	20.96					
5	QPSK	25	0	21.17	20.95	20.97					
5	16QAM	1	0	21.49	21.41	21.33					
5	16QAM	1	12	21.36	21.24	21.19	22	0			
5	16QAM	1	24	21.30	21.19	21.03					
5	16QAM	12	0	20.95	20.89	20.80					
5	16QAM	12	7	21.00	20.88	20.73					
5	16QAM	12	13	20.96	20.82	20.73	22	0			
5	16QAM	25	0	20.91	20.78	20.80					
5	64QAM	1	0	21.04	21.10	20.97					
5	64QAM	1	12	20.95	20.88	20.90					
5	64QAM	1	24	21.02	20.95	20.80	22	0			
5	64QAM	12	0	19.88	19.95	19.82					
5	64QAM	12	7	20.02	19.83	19.78					
5	64QAM	12	13	19.93	19.92	19.82					
5	64QAM	25	0	19.97	19.86	19.78	21	1			
Channel				131987	132322	132652					
Frequency (MHz)				1711.5	1745	1778.5					
3	QPSK	1	0	21.05	21.09	20.97	22	0			
3	QPSK	1	8	21.03	20.89	20.87					
3	QPSK	1	14	20.96	20.81	20.69					
3	QPSK	8	0	21.14	21.08	20.95					
3	QPSK	8	4	21.12	21.07	20.94	22	0			
3	QPSK	8	7	21.08	21.04	20.95					
3	QPSK	15	0	21.14	20.95	20.95					
3	16QAM	1	0	21.49	21.45	21.38					
3	16QAM	1	8	21.39	21.31	21.19	22	0			
3	16QAM	1	14	21.33	21.16	21.11					
3	16QAM	8	0	20.86	20.85	20.82					
3	16QAM	8	4	21.03	20.82	20.75					
3	16QAM	8	7	20.95	20.85	20.72	22	0			
3	16QAM	15	0	20.93	20.77	20.74					
3	64QAM	1	0	21.12	21.05	21.02					
3	64QAM	1	8	20.94	20.91	20.89					
3	64QAM	1	14	20.95	20.95	20.77	22	0			
3	64QAM	8	0	19.97	19.88	19.80					
3	64QAM	8	4	20.03	19.84	19.75					
3	64QAM	8	7	19.98	19.86	19.78					
3	64QAM	15	0	19.99	19.88	19.76	21	1			
Channel				131979	132322	132665					
Frequency (MHz)				1710.7	1745	1779.3					
1.4	QPSK	1	0	21.09	21.09	20.98	22	0			
1.4	QPSK	1	3	20.98	20.88	20.86					
1.4	QPSK	1	5	20.88	20.87	20.68					
1.4	QPSK	3	0	21.09	21.10	21.00					
1.4	QPSK	3	1	21.04	21.02	20.95	22	0			
1.4	QPSK	3	3	21.13	21.04	20.98					
1.4	QPSK	6	0	21.18	20.99	20.95					
1.4	16QAM	1	0	21.48	21.47	21.38					
1.4	16QAM	1	3	21.39	21.33	21.16	22	0			
1.4	16QAM	1	5	21.30	21.15	21.02					
1.4	16QAM	3	0	20.92	20.89	20.82					
1.4	16QAM	3	1	20.96	20.81	20.74					
1.4	16QAM	3	3	20.95	20.86	20.76	22	0			
1.4	16QAM	6	0	20.86	20.79	20.82					
1.4	64QAM	1	0	21.06	21.07	20.97					
1.4	64QAM	1	3	21.00	20.88	20.86					
1.4	64QAM	1	5	20.98	20.97	20.74	22	0			
1.4	64QAM	3	0	21.00	21.08	20.98					
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	20.80	19.82	19.79	21	1			

Band 38_Ant 1 DSI 3												
BSF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Midst Ch. Freq.	Power High Ch. Freq.	Time-up limit (dBm)	MPIR (dB)				
Channel												
				31900	36000	36100						
Frequency (MHz)				219.5	219.5	219.5						
20	QPSK	1	0	18.13	18.13	18.13	21.1	0				
20	QPSK	1	49	18.47	18.46	18.05						
20	QPSK	1	94	18.32	18.94	18.91						
20	QPSK	50	24	18.46	20.05	20.13						
20	QPSK	50	24	18.14	18.10	18.18	21.1	0				
20	QPSK	100	0	18.20	20.05	20.20						
20	QPSK	100	0	18.20	20.05	20.20						
20	QPSK	100	0	18.20	20.05	20.20						
20	16QAM	1	49	18.34	20.06	20.09	21.1	0				
20	16QAM	1	94	18.21	20.07	20.09						
20	16QAM	50	0	20.02	20.09	20.20						
20	16QAM	50	50	20.07	20.12	20.16						
20	16QAM	50	50	18.41	20.20	20.24	21.1	0				
20	16QAM	1	0	18.31	19.71	19.79						
20	16QAM	1	49	18.30	19.80	19.82						
20	16QAM	1	94	18.51	19.82	19.79						
20	16QAM	50	24	18.50	19.82	19.84	21.1	0				
20	16QAM	50	50	18.51	19.82	19.87						
20	16QAM	100	0	18.47	19.81	19.81						
Channel												
Frequency (MHz)				2027.5	2025	2012.5						
15	QPSK	1	0	18.63	18.67	18.65	21.1			0		
15	QPSK	1	37	18.37	18.89	18.94						
15	QPSK	1	74	18.22	18.89	18.96						
15	QPSK	36	0	18.44	20.11	20.20						
15	QPSK	36	36	18.40	20.01	20.12	21.1	0				
15	QPSK	36	0	18.40	20.05	20.20						
15	16QAM	1	0	18.28	20.05	20.29						
15	16QAM	1	37	18.28	20.05	20.29						
15	16QAM	1	74	18.27	19.95	20.17	21.1	0				
15	16QAM	36	0	18.09	20.01	20.27						
15	16QAM	36	20	18.05	19.98	20.20						
15	16QAM	36	36	18.05	19.98	20.21						
15	16QAM	75	0	18.49	20.18	20.34	21.1	0				
15	16QAM	75	0	18.29	19.85	19.85						
15	16QAM	1	37	18.25	19.75	19.75						
15	16QAM	1	74	18.25	19.82	19.81						
15	16QAM	36	0	18.51	20.01	20.05	21.1	0				
15	16QAM	36	20	18.50	19.98	20.05						
15	16QAM	36	36	18.54	19.84	20.07						
15	16QAM	36	0	18.54	19.84	20.07						
Channel												
Frequency (MHz)				31775	36000	36225						
10	QPSK	1	0	18.72	20.12	20.11	21.1	0				
10	QPSK	1	25	18.28	20.07	19.97						
10	QPSK	1	49	18.34	19.82	19.98						
10	QPSK	20	0	18.22	20.10	20.10						
10	QPSK	20	12	18.24	20.20	20.11	21.1	0				
10	QPSK	20	25	18.41	20.05	20.18						
10	QPSK	50	0	18.42	20.15	20.36						
10	16QAM	1	49	18.33	20.16	20.27						
10	16QAM	1	25	18.34	20.15	20.02	21.1	0				
10	16QAM	1	49	18.33	19.95	20.19						
10	16QAM	25	0	20.14	20.08	20.17						
10	16QAM	25	12	18.63	19.88	19.98						
10	16QAM	25	0	20.17	20.02	20.40	21.1	0				
10	16QAM	1	0	18.45	19.89	19.89						
10	16QAM	1	25	18.29	19.78	19.74						
10	16QAM	25	0	18.44	19.59	20.14						
10	16QAM	25	12	18.66	19.79	20.27	21.1	0				
10	16QAM	20	25	18.65	19.84	20.04						
10	16QAM	50	0	18.46	19.79	19.98						
10	16QAM	50	0	18.46	19.79	19.98						
Channel												
Frequency (MHz)				31775	36000	36225						
5	QPSK	1	0	18.72	20.17	20.07	21.1	0				
5	QPSK	1	12	18.72	20.20	20.17						
5	QPSK	1	24	18.41	19.80	19.95						
5	QPSK	12	0	18.30	20.21	20.16						
5	QPSK	12	7	18.77	20.15	19.05	21.1	0				
5	QPSK	12	13	18.76	19.82	20.10						
5	QPSK	20	0	18.31	20.10	20.43						
5	QPSK	20	0	18.31	20.10	20.43						
5	16QAM	1	12	18.40	20.12	20.00	21.1	0				
5	16QAM	1	12	18.40	20.12	20.00						
5	16QAM	12	0	20.14	20.03	20.15						
5	16QAM	12	24	18.29	20.02	20.09						
5	16QAM	12	13	20.18	20.07	20.21	21.1	0				
5	16QAM	20	7	18.75	19.52	19.92						
5	16QAM	20	12	18.46	19.60	19.81						
5	16QAM	1	24	18.40	19.80	19.83						
5	16QAM	10	0	18.46	19.80	20.10	21.1	0				
5	16QAM	12	7	18.67	19.75	20.10						
5	16QAM	12	13	18.78	19.80	20.03						
5	16QAM	20	0	18.53	19.84	20.00						

Band 38_Ant 1 DSI 5											
BSF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Midst Ch. Freq.	Power High Ch. Freq.	Time-up limit (dBm)	MPIR (dB)			
Channel											
				31900	36000	36100					
Frequency (MHz)				219.5	219.5	219.5					
20	QPSK	1	0	18.13	18.13	18.13	19.1	0			
20	QPSK	1	49	18.25	18.27	18.23					
20	QPSK	1	94	18.25	18.25	18.21					
20	QPSK	50	24	18.38	18.30	18.28					
20	QPSK	100	0	18.38	18.38	18.38	19.1	0			
20	QPSK	100	0	18.38	18.40	18.38					
20	QPSK	100	0	18.38	18.40	18.38					
20	QPSK	100	0	18.38	18.40	18.38					
20	16QAM	1	49	18.31	18.36	18.34	19.1	0			
20	16QAM	1	94	18.24	18.36	18.36					
20	16QAM	50	0	18.40	18.35	18.33					
20	16QAM	50	50	18.40	18.41	18.41					
20	16QAM	1	0	18.42	18.40	18.39	19.1	0			
20	16QAM	1	0	18.06	18.04	17.99					
20	16QAM	1	49	18.09	18.12	18.13					
20	16QAM	1	94	18.09	18.12	18.13					
20	16QAM	50	0	18.19	18.13	18.13	19.1	0			
20	16QAM	50	24	18.41	18.43	18.49					
20	16QAM	50	50	18.42	18.41	18.42					
20	16QAM	100	0	18.41	18.39	18.40					
Channel											
Frequency (MHz)				2027.5	2025	2012.5					
15	QPSK	1	0	18.19	18.13	18.13	19.1	0			
15	QPSK	1	37	18.17	18.14	18.17					
15	QPSK	1	74	18.16	18.13	18.20					
15	QPSK	36	0	18.14	18.14	18.20					
15	QPSK	36	36	18.20	18.12	18.13	19.1	0			
15	QPSK	36	0	18.19	18.17	18.19					
15	QPSK	36	36	18.17	18.21	18.20					
15	QPSK	36	0	18.17	18.21	18.20					
15	16QAM	1	0	18.17	18.20	18.14	19.1	0			
15	16QAM	1	37	18.14	18.20	18.14					
15	16QAM	36	0	18.15	18.20	18.15					
15	16QAM	36	20	18.14	18.12	18.20					
15	16QAM	75	0	18.20	18.12	18.11	19.1	0			
15	16QAM	75	0	18.13	18.13						
Channel											
Frequency (MHz)				2019	2050	2115					
10	QPSK	1	0	18.13	18.12	18.12	19.1	0			
10	QPSK	1	49	18.17	18.14	18.14					
10	QPSK	1	94	18.16	18.13	18.13					
10	QPSK	36	0	18.14	18.14	18.20					
10	QPSK	25	25	18.18	18.15	18.15	19.1	0			
10	QPSK	25	0	18.19	18.17	18.19					
10	QPSK	25	25	18.17	18.21	18.20					
10	QPSK	25	0	18.14	18.18	18.15					
10	16QAM	1	0	18.18	18.15	18.14	19.1	0			
10	16QAM	1	49	18.17	18.14	18.14					
10	16QAM	1	94	18.16	18.13	18.21					
10	16QAM	36	0	18.14	18.14	18.20					
10	16QAM	25	12	18.12	18.19	18.15	19.1	0			
10	16QAM	25	0	18.13	18.17	18.19					
10	16QAM	25	12	18.11	18.21	18.21					
10	16QAM	25	0	18.21	18.13	18.12					
10	16QAM	1	0	18.11	18.11	18.11	19.1	0			
10	16QAM	1	25	18.18	18.18	18.20					
10	16QAM	1	49	18.13	18.13	18.13					
10	16QAM	25	12	18.18	18.13	18.16					
10	16QAM	25	0	18.18	18.13	18.16	19.1	0			
10	16QAM	25	12	18.12	18.19	18.15					
10	16QAM	25	0	18.13	18.17	18.19					
10	16QAM	25	12	18.11	18.21	18.21					
10	16QAM	1	0	18.21	18.13	18.12	19.1	0			
10	16QAM	1	25	18.18	18.18	18.20					
10	16QAM	1	49	18.13	18.13	18.13					
10	16QAM	25	12	18.18	18.13	18.16					
10	16QAM	25	0	18.18	18.13	18.16	19.1	0			
10	16QAM	25	12	18.12	18.19	18.15					
10	16QAM	25	0	18.13	18.17	18.19					
10	16QAM	25	12	18.11	18.21	18.21					
10	16QAM	1	0	18.21	18.13	18.12	19.1	0			
10	16QAM	1	25	18.18	18.18	18.20					
10	16QAM	1	49	18.13	18.13	18.13					
10	16QAM	25	12	18.18	18.13	18.16					
10	16QAM	25	0	18.18	18.13	18.16	19.1	0			
10	16QAM	25	12	18.12	18.19	18.15					
10	16QAM	25	0	18.13	18.17	18.19					
10	16QAM	25	12	18.11	18.21	18.21					
10	16QAM	1	0	18.21	18.13	18.12	19.1	0			
10	16QAM	1	25	18.18	18.18	18.20					
10	16QAM	1	49	18.13	18.13	18.13					
10	16QAM	25	12	18.18	18.13	18.16					
10	16QAM	25	0	18.18	18.13	18.16	19.1	0			
10	16QAM	25	12	18.12	18.19	18.15					
10	16QAM	25	0	18.13	18.17	18.19					
10	16QAM	25	12	18.11	18.21	18.21					
10	16QAM	1	0	18.21	18.13	18.12	19.1	0			
10	16QAM	1	25	18.18	18.18	18.20					
10	16QAM	1	49	18.13	18.13	18.13					
10	16QAM	25	12	18.18	18.13	18.16					
10	16QAM	25	0	18.18	18.13	18.16	19.1	0			
10	16QAM	25	12	18.12	18.19	18.15					
10	16QAM	25	0	18.13	18.17	18.19					
10	16QAM	25	12	18.11	18.21	18.21					
10	16QAM	1	0	18.21	18.13	18.12	19.1	0			
10	16QAM	1	25	18.18	18.18	18.20					
10	16QAM	1	49	18.13	18.13	18.13					
10	16QAM	25	12	18.18	18.13	18.16					
10	16QAM	25	0	18.18	18.13	18.16	19.1	0			
10	16QAM	25	12	18.12	18.19	18.15					
10	16QAM	25	0	18.13	18.17	18.19					
10	16QAM	25	12	18.11	18.21	18.21					
10	16QAM	1	0	18.21	18.13	18.12	19.1	0			
10	16QAM	1	25	18.18	18.18	18.20					
10	16QAM	1	49	18.13	18.13	18.13					
10	16QAM	25	12	18.18	18.13	18.16					
10	16QAM	25	0	18.18	18.13	18.16	19.1	0			
10	16QAM	25	12	18.12	18.19	18.15					
10	16QAM	25	0	18.13	18.17	18.19					
10	16QAM	25	12	18.11	18.21	18.21					
10	16QAM	1	0	18.21	18.13	18.12	19.1	0			
10	16QAM	1	25	18.18	18.18	18.20					
10	16QAM	1	49	18.13	18.13	18.13					
10	16QAM	25	12	18.18	18.13	18.16					
10	16QAM	25	0	18.18	18.13	18.16	19.1	0			
10	16QAM	25	12	18.12	18.19	18.15					
10	16QAM	25	0	18.13	18.17	18.19					
10	16QAM	25	12	18.11	18.21	18.21					
10	16QAM	1	0	18.21	18.13	18.12	19.1	0			
10	16QAM	1	25	18.18	18.18	18.20					
10	16QAM	1	49	18.13	18.13	18.13					
10	16QAM	25	12	18.18	18.13	18.16					
10	16QAM	25	0	18.18	18.13	18.16	19.1	0			
10	16QAM	25	12	18.12	18.19	18.15					
10	16QAM	25	0	18.13	18.17	18.19					
10	16QAM	25	12	18.11	18.21	18.21					
10	16QAM	1	0	18.21	18.13	18.12	19.1	0			
10	16QAM	1	25	18.18	18.18	18.20					
10	16QAM	1	49	18.13	18.13	18.13					
10	16QAM	25	12	18.18	18.13	18.16					
10	16QAM	25	0	18.18	18.13	18.16	19.1	0			
10	16QAM	25	12	18.12	18.19	18.15					
10	16QAM	25	0	18.13	18.17	18.19					
10	16QAM	25	12	18.11	18.21	18.21					
10	16QAM	1	0	18.21	18.13	18.12	19.1	0			
10	16QAM	1	25	18.18	18.18	18.20					
10	16QAM	1	49	18.13	18.13	18.13					
10	16QAM	25	12	18.18	18.13	18.16					
10	16QAM	25	0	18.18	18.13	18.16	19.1	0			
10	16QAM	25	12	18.12	18.19	18.15					
10	16QAM	25	0	18.13	18.17	18.19					
10	16QAM	25	12	18.11	18.21	18.21					
10	16QAM	1	0	18.21	18.13	18.12	19.1	0			
10	16QAM	1	25	18.18	18.18	18.20					
10	16QAM	1	49	18.13	18.13	18.13					
10	16QAM	25	12	18.18	18.13	18.16					
10	16QAM	25	0	18.18	18.13	18.16	19.1	0			
10	16QAM	25	12	18.12	18.19	18.15					
10	16QAM	25	0	18.13	18.17	18.19					
10	16QAM	25	12	18.11	18.21	18.21					
10	16QAM	1	0	18.21	18.13	18.12	19.1	0			
10	16QAM	1	25	18.18	18.18	18.20					
10	16QAM	1	49	18.13	18.13	18.13					
10	16QAM	25	12	18.18	18.13	18.16					
10	16QAM	25	0	18.18	18.13	18.16	19.1	0			
10	16QAM	25	12	18.12	18.19	18.15					
10	16QAM	25	0	18.13	18.17	18.19					
10	16QAM	25	12	18.11	18.21	18.21					
10	16QAM	1	0	18.21	18.13	18.12	19.1	0			
10	16QAM	1	25	18.18	18.18	18.20					
10	16QAM	1	49	18.13	18.13	18.13					
10	16QAM	25	12	18.18	18.13	18.16					
10	16QAM	25	0	18.18	18.13	18.16	19.1	0			
10	16QAM	25	12	18.12	18.19	18.15					
10	16QAM	25	0	18.13	18.17	18.19					
10	16QAM	25	12	18.11	18.21	18.21					
10	16QAM	1	0	18.21	18.13	18.12	19.1	0			
10	16QAM	1	25	18.18	18.18	18.20					
10	16QAM	1	49	18.13	18.13	18.13					
10	16QAM	25	12	18.18	18.13	18.16					
10	16QAM	25	0	18.18	18.13	18.16	19.1	0			
10	16QAM	25	12	18.12	18.19	18.15					
10	16QAM	25	0	18.13	18.17	18.19					
10	16QAM	25	12	18.11	18.21	18.21					
10	16QAM	1	0	18.21	18.13	18.12	19.1	0			
1											

Band 38 Ant 2 CSI 5									
RF Band	Modulation	RF Size	RF Offset	Power Tx (mW)	Power Frac (% Tx Freq)	Power Frac (% Tx Freq)	Power High (mW)	Time-up (ms)	SPRS (dB)
Channel									
Frequency (MHz)									
20	QPSK	1	0	19.30	19.30	19.30	19.30		
20	QPSK	1	49	19.38	19.38	19.38	19.38	21	0
20	QPSK	50	0	20.03	19.98	19.98	20.03		
20	QPSK	50	24	20.03	19.98	19.98	20.03	21	0
20	QPSK	50	50	20.03	19.93	19.93	20.03		
20	QPSK	50	74	20.03	19.93	19.93	20.03	21	0
20	QPSK	1	49	20.04	19.93	19.93	20.04		
20	QPSK	1	74	20.04	19.93	19.93	20.04	21	0
20	QPSK	50	0	19.97	19.95	19.95	19.97		
20	QPSK	50	24	19.95	19.97	19.97	19.95	20	1
20	QPSK	50	50	19.95	19.97	19.97	19.95		
20	QPSK	50	74	19.95	19.97	19.97	19.95	20	1
20	QPSK	1	0	19.78	19.65	19.65	19.78		
20	QPSK	1	49	19.80	19.65	19.65	19.80	20	1
20	QPSK	50	0	19.80	19.62	19.62	19.80		
20	QPSK	50	24	19.78	19.62	19.62	19.78	19	2
20	QPSK	50	24	19.67	19.59	19.59	19.67		
20	QPSK	100	0	19.55	19.49	19.49	19.55		
Channel									
Frequency (MHz)									
15	QPSK	1	0	20.73	20.65	20.65	20.73	Time-up (ms)	SPRS (dB)
15	QPSK	1	37	19.98	19.88	19.88	19.98	21	0
15	QPSK	1	74	19.98	19.88	19.88	19.98	20	1
15	QPSK	36	0	19.94	19.90	19.90	19.94		
15	QPSK	36	24	19.94	19.90	19.90	19.94	21	0
15	QPSK	36	36	20.00	19.87	19.87	20.00		
15	QPSK	36	74	20.00	19.87	19.87	20.00	21	0
15	QPSK	1	0	20.50	19.99	19.99	20.50		
15	QPSK	1	37	20.50	19.99	19.99	20.50	21	0
15	QPSK	1	74	20.51	19.96	19.96	20.51		
15	QPSK	36	0	19.93	19.81	19.81	19.93		
15	QPSK	36	24	19.93	19.81	19.81	19.93	20	1
15	QPSK	75	0	19.93	19.87	19.87	19.93		
15	QPSK	75	24	19.93	19.87	19.87	19.93	20	1
15	QPSK	1	74	19.72	19.58	19.58	19.72		
15	QPSK	36	0	19.72	19.58	19.58	19.72	19	2
15	QPSK	36	24	19.72	19.58	19.58	19.72		
15	QPSK	75	0	19.72	19.58	19.58	19.72	19	2
15	QPSK	75	24	19.72	19.58	19.58	19.72		
Channel									
Frequency (MHz)									
10	QPSK	1	0	20.50	20.50	20.50	20.50	Time-up (ms)	SPRS (dB)
10	QPSK	1	0	19.86	19.86	19.86	19.86	21	0
10	QPSK	1	24	19.86	19.86	19.86	19.86		
10	QPSK	1	49	19.86	19.86	19.86	19.86	21	0
10	QPSK	25	0	19.84	19.84	19.84	19.84		
10	QPSK	25	24	19.84	19.84	19.84	19.84	21	0
10	QPSK	25	49	19.83	19.87	19.87	19.83		
10	QPSK	25	74	19.83	19.87	19.87	19.83	21	0
10	QPSK	1	0	19.8	19.8	19.8	19.8		
10	QPSK	1	24	19.8	19.8	19.8	19.8	21	0
10	QPSK	1	49	19.8	19.8	19.8	19.8		
10	QPSK	1	74	19.8	19.8	19.8	19.8	21	0
10	QPSK	25	0	19.80	19.80	19.80	19.80		
10	QPSK	25	24	19.80	19.80	19.80	19.80	20	1
10	QPSK	25	49	19.79	19.81	19.81	19.79		
10	QPSK	25	74	19.79	19.81	19.81	19.79	20	1
10	QPSK	1	0	19.65	19.65	19.65	19.65		
10	QPSK	1	24	19.65	19.65	19.65	19.65	20	1
10	QPSK	1	49	19.65	19.65	19.65	19.65		
10	QPSK	1	74	19.65	19.65	19.65	19.65	20	1
10	QPSK	25	0	19.60	19.60	19.60	19.60		
10	QPSK	25	24	19.60	19.60	19.60	19.60	19	2
10	QPSK	25	49	19.60	19.60	19.60	19.60		
10	QPSK	25	74	19.60	19.60	19.60	19.60	19	2
10	QPSK	1	0	19.45	19.45	19.45	19.45		
10	QPSK	1	24	19.45	19.45	19.45	19.45	20	1
10	QPSK	1	49	19.45	19.45	19.45	19.45		
10	QPSK	1	74	19.45	19.45	19.45	19.45	20	1
10	QPSK	25	0	19.40	19.40	19.40	19.40		
10	QPSK	25	24	19.40	19.40	19.40	19.40	19	2
10	QPSK	25	49	19.40	19.40	19.40	19.40		
10	QPSK	25	74	19.40	19.40	19.40	19.40	19	2

Band 41_Ant 1_DS13									
Ref (MHz)	Modulation	RB Size	RB Offset	Power Line Mode Ch1 (Freq)	Power Line Mode Ch2 (Freq)	Power Line Mode Ch3 (Freq)	Power Line Mode Ch4 (Freq)	Time-up time (dBm)	MPE (dB)
Channel 1									
Frequency (MHz)									
DS1R	1	0	0	20.30	24.43	28.56	20.30		
DS1R	1	66	33	20.32	24.37	28.54	20.32	20.30	
DS1R	1	132	66	20.33	24.35	28.53	20.33	21.1	0
DS1R	1	198	99	20.38	24.30	28.53	20.40	20.40	
DS1R	1	264	132	20.47	24.23	28.48	20.48	21.1	0
DS1R	50	0	0	20.43	24.49	28.42	20.47	20.40	
DS1R	50	66	33	20.45	24.47	28.41	20.49	21.1	0
DS1R	50	132	66	20.53	24.39	28.47	20.53	20.50	
DS1R	50	198	99	20.67	24.25	28.42	20.67	20.60	
DS1R	50	264	132	20.87	24.03	28.29	20.87	21.1	0
DS1R	100	0	0	20.94	24.05	28.49	20.97	20.90	
DS1R	100	66	33	20.96	24.03	28.46	20.99	21.1	0
DS1R	100	132	66	21.04	23.97	28.42	21.07	20.90	
DS1R	100	198	99	21.18	23.83	28.36	21.21	20.90	
DS1R	100	264	132	21.38	23.61	28.23	21.38	21.1	0
DS1R	1	0	0	20.51	24.11	28.50	20.51		
DS1R	1	66	33	20.53	24.09	28.49	20.53	20.50	
DS1R	1	132	66	20.58	24.08	28.48	20.57	20.50	
DS1R	1	198	99	20.72	24.02	28.42	20.72	20.50	
DS1R	1	264	132	20.92	23.82	28.26	20.92	21.1	0
DS1R	50	0	0	20.47	24.37	28.47	20.47		
DS1R	50	66	33	20.49	24.35	28.46	20.49	20.50	
DS1R	50	132	66	20.54	24.33	28.45	20.54	20.50	
DS1R	50	198	99	20.70	24.27	28.40	20.70	20.50	
DS1R	50	264	132	20.90	24.05	28.28	20.90	21.1	0
DS1R	100	0	0	20.97	24.07	28.49	20.97		
DS1R	100	66	33	20.99	24.05	28.46	20.99	20.50	
DS1R	100	132	66	21.07	23.99	28.42	21.07	20.50	
DS1R	100	198	99	21.21	23.85	28.36	21.21	20.50	
DS1R	100	264	132	21.41	23.63	28.23	21.41	21.1	0
DS1R	50	0	0	20.52	24.12	28.51	20.52		
DS1R	50	66	33	20.54	24.10	28.50	20.54	20.50	
DS1R	50	132	66	20.59	24.09	28.49	20.59	20.50	
DS1R	50	198	99	20.73	24.03	28.43	20.73	20.50	
DS1R	50	264	132	20.93	23.81	28.27	20.93	21.1	0
DS1R	100	0	0	20.98	24.08	28.49	20.98		
DS1R	100	66	33	21.00	24.06	28.46	21.00	20.50	
DS1R	100	132	66	21.08	23.99	28.42	21.08	20.50	
DS1R	100	198	99	21.22	23.86	28.36	21.22	20.50	
DS1R	100	264	132	21.42	23.64	28.23	21.42	21.1	0
DS1R	50	0	0	20.53	24.13	28.52	20.53		
DS1R	50	66	33	20.55	24.11	28.51	20.55	20.50	
DS1R	50	132	66	20.60	24.10	28.50	20.60	20.50	
DS1R	50	198	99	20.74	24.04	28.44	20.74	20.50	
DS1R	50	264	132	20.94	23.82	28.28	20.94	21.1	0
DS1R	100	0	0	20.97	24.07	28.49	20.97		
DS1R	100	66	33	20.99	24.05	28.46	20.99	20.50	
DS1R	100	132	66	21.07	23.99	28.42	21.07	20.50	
DS1R	100	198	99	21.21	23.85	28.36	21.21	20.50	
DS1R	100	264	132	21.41	23.63	28.23	21.41	21.1	0
DS1R	50	0	0	20.52	24.12	28.51	20.52		
DS1R	50	66	33	20.54	24.10	28.50	20.54	20.50	
DS1R	50	132	66	20.59	24.09	28.49	20.59	20.50	
DS1R	50	198	99	20.73	24.03	28.43	20.73	20.50	
DS1R	50	264	132	20.93	23.81	28.27	20.93	21.1	0
DS1R	100	0	0	20.98	24.08	28.49	20.98		
DS1R	100	66	33	21.00	24.06	28.46	21.00	20.50	
DS1R	100	132	66	21.08	23.99	28.42	21.08	20.50	
DS1R	100	198	99	21.22	23.86	28.36	21.22	20.50	
DS1R	100	264	132	21.42	23.64	28.23	21.42	21.1	0
DS1R	50	0	0	20.53	24.13	28.52	20.53		
DS1R	50	66	33	20.55	24.11	28.51	20.55	20.50	
DS1R	50	132	66	20.60	24.10	28.50	20.60	20.50	
DS1R	50	198	99	20.74	24.04	28.44	20.74	20.50	
DS1R	50	264	132	20.94	23.82	28.28	20.94	21.1	0
DS1R	100	0	0	20.97	24.07	28.49	20.97		
DS1R	100	66	33	20.99	24.05	28.46	20.99	20.50	
DS1R	100	132	66	21.07	23.99	28.42	21.07	20.50	
DS1R	100	198	99	21.21	23.85	28.36	21.21	20.50	
DS1R	100	264	132	21.41	23.63	28.23	21.41	21.1	0
DS1R	50	0	0	20.52	24.12	28.51	20.52		
DS1R	50	66	33	20.54	24.10	28.50	20.54	20.50	
DS1R	50	132	66	20.59	24.09	28.49	20.59	20.50	
DS1R	50	198	99	20.73	24.03	28.43	20.73	20.50	
DS1R	50	264	132	20.93	23.81	28.27	20.93	21.1	0
DS1R	100	0	0	20.98	24.08	28.49	20.98		
DS1R	100	66	33	21.00	24.06	28.46	21.00	20.50	
DS1R	100	132	66	21.08	23.99	28.42	21.08	20.50	
DS1R	100	198	99	21.22	23.86	28.36	21.22	20.50	
DS1R	100	264	132	21.42	23.64	28.23	21.42	21.1	0
DS1R	50	0	0	20.53	24.13	28.52	20.53		
DS1R	50	66	33	20.55	24.11	28.51	20.55	20.50	
DS1R	50	132	66	20.60	24.10	28.50	20.60	20.50	
DS1R	50	198	99	20.74	24.04	28.44	20.74	20.50	
DS1R	50	264	132	20.94	23.82	28.28	20.94	21.1	0
DS1R	100	0	0	20.97	24.07	28.49	20.97		
DS1R	100	66	33	20.99	24.05	28.46	20.99	20.50	
DS1R	100	132	66	21.07	23.99	28.42	21.07	20.50	
DS1R	100	198	99	21.21	23.85	28.36	21.21	20.50	
DS1R	100	264	132	21.41	23.63	28.23	21.41	21.1	0
DS1R	50	0	0	20.52	24.12	28.51	20.52		
DS1R	50	66	33	20.54	24.10	28.50	20.54	20.50	
DS1R	50	132	66	20.59	24.09	28.49	20.59	20.50	
DS1R	50	198	99	20.73	24.03	28.43	20.73	20.50	
DS1R	50	264	132	20.93	23.81	28.27	20.93	21.1	0
DS1R	100	0	0	20.98	24.08	28.49	20.98		
DS1R	100	66	33	21.00	24.06	28.46	21.00	20.50	
DS1R	100	132	66	21.08	23.99	28.42	21.08	20.50	
DS1R	100	198	99	21.22	23.86	28.36	21.22	20.50	
DS1R	100	264	132	21.42	23.64	28.23	21.42	21.1	0
DS1R	50	0	0	20.53	24.13	28.52	20.53		
DS1R	50	66	33	20.55	24.11	28.51	20.55	20.50	
DS1R	50	132	66	20.60	24.10	28.50	20.60	20.50	
DS1R	50	198	99	20.74	24.04	28.44	20.74	20.50	
DS1R	50	264	132	20.94	23.82	28.28	20.94	21.1	0
DS1R	100	0	0	20.97	24.07	28.49	20.97		
DS1R	100	66	33	20.99	24.05	28.46	20.99	20.50	
DS1R	100	132	66	21.07	23.99	28.42	21.07	20.50	
DS1R	100	198	99	21.21	23.85	28.36	21.21	20.50	
DS1R	100	264	132	21.41	23.63	28.23	21.41	21.1	0
DS1R	50	0	0	20.52	24.12	28.51	20.52		
DS1R	50	66	33	20.54	24.10	28.50	20.54	20.50	
DS1R	50	132	66	20.59	24.09	28.49	20.59	20.50	
DS1R	50	198	99	20.73	24.03	28.43	20.73	20.50	
DS1R	50	264	132	20.93	23.81	28.27	20.93	21.1	0
DS1R	100	0	0	20.98	24.08	28.49	20.98		
DS1R	100	66	33	21.00	24.06	28.46	21.00	20.50	
DS1R	100	132	66	21.08	23.99	28.42	21.08	20.50	
DS1R	100	198	99	21.22	23.86	28.36	21.22	20.50	
DS1R	100	264	132	21.42	23.64	28.23	21.42	21.1	0
DS1R	50	0	0	20.53	24.13	28.52	20.53		
DS1R	50	66	33	20.55	24.11	28.51	20.55	20.50	
DS1R	50	132	66	20.60	24.10	28.50	20.60	20.50	
DS1R	50	198	99	20.74	24.04	28.44	20.74	20.50	
DS1R	50	264	132	20.94	23.82	28.28	20.94	21.1	0
DS1R	100	0	0	20.97	24.07	28.49	20.97		
DS1R	100	66	33	20.99	24.05	28.46	20.99	20.50	
DS1R	100	132	66	21.07	23.99	28.42	21.07	20.50	
DS1R	100	198	99	21.21	23.85	28.36	21.21	20.50	
DS1R	100	264	132	21.41	23.63	28.23	21.41	21.1	0
DS1R	50	0	0	20.52	24.12	28.51	20.52		
DS1R	50	66	33	20.54	24.10	28.50	20.54	20.50	
DS1R	50	132	66	20.59	24.09	28.49	20.59	20.50	
DS1R	50	198	99	20.73	24.03	28.43	20.73	20.50	
DS1R	50	264	132	20.93	23.81	28.27	20.93	21.1	0
DS1R	100	0	0	20.98	24.08	28.49	20.98		
DS1R	100	66	33	21.00	24.06	28.46	21.00	20.50	
DS1R	100	132	66	21.08	23.99	28.42	21.08	20.50	
DS1R	100	198	99	21.22	23.86	28.36	21.22	20.50	
DS1R	100	264	132	21.42	23.64	28.23	21.42	21.1	0
DS1R	50	0	0	20.53	24.13	2			

Band 41_Ant 1_DSI 5										
Ref (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch (Frac)	Power Low Mid Ch (Frac)	Power High Mid Ch (Frac)	Power High Ch (Frac)	Power High Ch (Frac)	Turn-on time (dBm)	WPRM (dB)
Channel										
Frequency (MHz)										
20	OFDM	1	0	17.95	18.16	18.31	18.16	18.20		
20	OFDM	1	49	18.20	18.20	18.20	18.20	18.16	19.1	0
20	OFDM	1	99	18.00	18.00	18.12	18.12	18.16		
20	OFDM	50	0	18.03	18.20	18.20	18.20	18.20		
20	OFDM	50	50	18.15	18.33	18.47	18.47	18.47	19.1	0
20	OFDM	50	100	18.12	18.33	18.45	18.45	18.45		
20	OFDM	50	150	18.04	18.20	18.20	18.20	18.20		
20	OFDM	50	199	18.04	18.20	18.38	18.38	18.38	19.1	0
20	OFDM	50	249	18.03	18.25	18.42	18.24	18.27		
20	OFDM	50	299	18.03	18.25	18.42	18.24	18.27		
20	OFDM	50	350	18.14	18.38	18.49	18.24	18.24	19.1	0
20	OFDM	50	400	18.03	18.25	18.42	18.24	18.27		
20	OFDM	50	450	18.17	18.30	18.15	18.24	18.24		
20	OFDM	50	499	18.03	18.25	18.42	18.24	18.27	19.1	0
20	OFDM	50	549	18.02	18.08	18.25	17.97	18.28		
20	OFDM	50	599	18.02	18.08	18.40	18.20	18.20		
20	OFDM	50	649	18.20	18.41	18.40	18.20	18.20	19.1	0
20	OFDM	50	699	18.15	18.30	18.40	18.27	18.27		
20	OFDM	100	0	18.21	18.39	18.47	18.25	18.25		
20	OFDM	100	50	18.25	18.41	18.41	18.25	18.25	19.1	0
Channel										
Frequency (MHz)										
15	OFDM	1	0	20.55	20.65	20.65	20.65	20.65		
15	OFDM	1	247	20.65	20.65	20.65	20.65	20.65	19.1	0
15	OFDM	1	247	20.65	20.65	20.65	20.65	20.65		
15	OFDM	36	0	17.89	17.93	17.90	17.84	17.83		
15	OFDM	36	36	17.89	17.93	17.97	17.84	17.84	19.1	0
15	OFDM	36	50	17.89	17.93	17.90	17.91	17.90		
15	OFDM	36	72	17.88	17.93	17.88	17.88	17.88		
15	OFDM	36	90	17.89	17.90	17.85	17.84	17.82		
15	OFDM	36	108	17.84	17.84	17.84	17.84	17.84		
15	OFDM	1	3	17.83	17.84	17.84	17.84	17.85		
15	OFDM	1	37	17.83	17.84	17.85	17.87	17.87	19.1	0
15	OFDM	1	74	17.84	17.84	17.82	17.86	17.81		
15	OFDM	36	36	17.88	17.88	17.86	17.81	17.86		
15	OFDM	36	20	17.83	17.84	17.84	17.85	17.85	19.1	0
15	OFDM	36	72	17.83	17.83	17.83	17.83	17.83		
15	OFDM	1	0	17.83	17.88	17.83	17.87	17.85		
15	OFDM	1	36	17.86	17.86	17.86	17.86	17.86	19.1	0
15	OFDM	1	74	17.88	17.83	17.80	17.84	17.87		
15	OFDM	1	108	17.86	17.86	17.86	17.86	17.86		
15	OFDM	36	20	17.82	17.86	17.83	17.83	17.82		
15	OFDM	36	36	17.82	17.86	17.86	17.86	17.86	19.1	0
15	OFDM	36	72	17.83	17.84	17.84	17.85	17.85		
15	OFDM	36	90	17.83	17.84	17.84	17.85	17.85		
15	OFDM	36	108	17.84	17.84	17.84	17.85	17.85		
15	OFDM	36	126	17.84	17.84	17.84	17.85	17.85		
15	OFDM	36	144	17.84	17.84	17.84	17.85	17.85	19.1	0
15	OFDM	1	0	17.84	17.82	17.88	17.85	17.87		
15	OFDM	1	36	17.82	17.87	17.82	17.87	17.87	19.1	0
15	OFDM	1	72	17.80	17.84	17.80	17.87	17.87		
15	OFDM	25	12	17.87	17.81	17.84	17.84	17.84		
15	OFDM	25	25	17.87	17.81	17.84	17.84	17.84	19.1	0
15	OFDM	25	37	17.87	17.81	17.84	17.84	17.84		
15	OFDM	25	50	17.87	17.81	17.84	17.84	17.84		
15	OFDM	25	62	17.87	17.81	17.84	17.84	17.84	19.1	0
15	OFDM	25	75	17.87	17.81	17.84	17.84	17.84		
15	OFDM	25	87	17.87	17.81	17.84	17.84	17.84		
15	OFDM	25	100	17.87	17.81	17.84	17.84	17.84	19.1	0
15	OFDM	25	112	17.87	17.81	17.84	17.84	17.84		
15	OFDM	25	125	17.87	17.81	17.84	17.84	17.84		
15	OFDM	25	137	17.87	17.81	17.84	17.84	17.84	19.1	0
15	OFDM	25	150	17.87	17.81	17.84	17.84	17.84		
15	OFDM	25	162	17.87	17.81	17.84	17.84	17.84		
15	OFDM	25	175	17.87	17.81	17.84	17.84	17.84	19.1	0
15	OFDM	25	187	17.87	17.81	17.84	17.84	17.84		
15	OFDM	25	200	17.87	17.81	17.84	17.84	17.84		
15	OFDM	25	212	17.87	17.81	17.84	17.84	17.84	19.1	0
15	OFDM	25	225	17.87	17.81	17.84	17.84	17.84		
15	OFDM	25	237	17.87	17.81	17.84	17.84	17.84		
15	OFDM	25	250	17.87	17.81	17.84	17.84	17.84	19.1	0
15	OFDM	25	262	17.87	17.81	17.84	17.84	17.84		
15	OFDM	25	275	17.87	17.81	17.84	17.84	17.84		
15	OFDM	25	287	17.87	17.81	17.84	17.84	17.84	19.1	0
15	OFDM	25	300	17.87	17.81	17.84	17.84	17.84		
15	OFDM	25	312	17.87	17.81	17.84	17.84	17.84		
15	OFDM	25	325	17.87	17.81	17.84	17.84	17.84	19.1	0
15	OFDM	25	337	17.87	17.81	17.84	17.84	17.84		
15	OFDM	25	350	17.87	17.81	17.84	17.84	17.84		
15	OFDM	25	362	17.87	17.81	17.84	17.84	17.84	19.1	0
15	OFDM	25	375	17.87	17.81	17.84	17.84	17.84		
15	OFDM	25	387	17.87	17.81	17.84	17.84	17.84		
15	OFDM	25	400	17.87	17.81	17.84	17.84	17.84	19.1	0
15	OFDM	25	412	17.87	17.81	17.84	17.84	17.84		
15	OFDM	25	425	17.87	17.81	17.84	17.84	17.84		
15	OFDM	25	437	17.87	17.81	17.84	17.84	17.84	19.1	0
15	OFDM	25	450	17.87	17.81	17.84	17.84	17.84		
15	OFDM	25	462	17.87	17.81	17.84	17.84	17.84		
15	OFDM	25	475	17.87	17.81	17.84	17.84	17.84	19.1	0
15	OFDM	25	487	17.87	17.81	17.84	17.84	17.84		
15	OFDM	25	500	17.87	17.81	17.84	17.84	17.84		
15	OFDM	25	512	17.87	17.81	17.84	17.84	17.84	19.1	0
15	OFDM	25	525	17.87	17.81	17.84	17.84	17.84		
15	OFDM	25	537	17.87	17.81	17.84	17.84	17.84		
15	OFDM	25	550	17.87	17.81	17.84	17.84	17.84	19.1	0
15	OFDM	25	562	17.87	17.81	17.84	17.84	17.84		
15	OFDM	25	575	17.87	17.81	17.84	17.84	17.84		
15	OFDM	25	587	17.87	17.81	17.84	17.84	17.84	19.1	0
15	OFDM	25	600	17.87	17.81	17.84	17.84	17.84		
15	OFDM	25	612	17.87	17.81	17.84	17.84	17.84		
15	OFDM	25	625	17.87	17.81	17.84	17.84	17.84	19.1	0
15	OFDM	25	637	17.87	17.81	17.84	17.84	17.84		
15	OFDM	25	650	17.87	17.81	17.84	17.84	17.84		
15	OFDM	25	662	17.87	17.81	17.84	17.84	17.84	19.1	0
15	OFDM	25	675	17.87	17.81	17.84	17.84	17.84		
15	OFDM	25	687	17.87	17.81	17.84	17.84	17.84		
15	OFDM	25	700	17.87	17.81	17.84	17.84	17.84	19.1	0
15	OFDM	25	712	17.87	17.81	17.84	17.84	17.84		
15	OFDM	25	725	17.87	17.81	17.84	17.84	17.84		
15	OFDM	25	737	17.87	17.81	17.84	17.84	17.84	19.1	0
15	OFDM	25	750	17.87	17.81	17.84	17.84	17.84		
15	OFDM	25	762	17.87	17.81	17.84	17.84	17.84		
15	OFDM	25	775	17.87	17.81	17.84	17.84	17.84	19.1	0
15	OFDM	25	787	17.87	17.81	17.84	17.84	17.84		
15	OFDM	25	800	17.87	17.81	17.84	17.84	17.84		
15	OFDM	25	812	17.87	17.81	17.84	17.84	17.84	19.1	0
15	OFDM	25	825	17.87	17.81	17.84	17.84	17.84		
15	OFDM	25	837	17.87	17.81	17.84	17.84	17.84		
15	OFDM	25	850	17.87	17.81	17.84	17.84	17.84	19.1	0
15	OFDM	25	862	17.87	17.81	17.84	17.84	17.84		
15	OFDM	25	875	17.87	17.81	17.84	17.84	17.84		
15	OFDM	25	887	17.87	17.81	17.84	17.84	17.84	19.1	0
15	OFDM	25	900	17.87	17.81	17.84	17.84	17.84		
15	OFDM	25	912	17.87	17.81	17.84	17.84	17.84		
15	OFDM	25	925	17.87	17.81	17.84	17.84	17.84	19.1	0
15	OFDM	25	937	17.87	17.81	17.84	17.84	17.84		
15	OFDM	25	950	17.87	17.81	17.84	17.84	17.84		
15	OFDM	25	962	17.87	17.81	17.84	17.84	17.84	19.1	0
15	OFDM	25	975	17.87	17.81	17.84	17.84	17.84		
15	OFDM	25	987	17.87	17.81	17.84	17.84	17.84		
15	OFDM	25	1000	17.87	17.81	17.84	17.84	17.84	19.1	0
15	OFDM	25	1012	17.87	17.81	17.84	17.84	17.84		
15	OFDM	25	1025	17.87	17.81	17.84	17.84	17.84		
15	OF									

Band 41_Ant 2 DSI 3											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Low Mid. Freq.	Power High Ch. Freq.	Power High Mid. Freq.	Time-up limit (dBm)	MPE (dB)		
Channel											
Frequency (MHz)				2547.5	2547.5	2553	2547.5	2553.5			
20	QPSK	1	0	18.03	18.03	17.97	17.97	17.93			
20	QPSK	1	60	18.03	17.93	17.99	17.95	18.05			
20	QPSK	1	90	17.99	17.95	17.99	17.95	17.99			
20	QPSK	50	24	17.93	17.95	18.03	17.99	18.05			
20	QPSK	100	0	18.03	17.99	17.93	17.95	17.95			
20	QPSK	100	0	18.03	17.99	17.93	17.95	17.95			
20	16QAM	1	60	17.99	18.03	18.03	17.93	17.99			
20	16QAM	1	90	17.99	18.03	18.03	17.93	17.99			
20	16QAM	50	0	17.97	17.99	17.93	18.03	17.95			
20	16QAM	50	30	17.94	18.02	17.96	17.92	17.97			
20	16QAM	100	0	18.03	17.99	17.95	17.99	17.99			
20	64QAM	1	0	18.03	18.03	17.99	17.97	17.99			
20	64QAM	1	60	17.99	18.03	17.93	18.03	17.99			
20	64QAM	1	90	17.99	17.99	17.93	17.99	18.03			
20	64QAM	50	0	17.99	17.99	17.93	17.99	18.03			
20	64QAM	50	24	17.99	17.99	17.93	17.99	17.99			
20	64QAM	100	0	17.99	17.99	17.93	17.99	18.03			
20	64QAM	100	0	17.93	17.97	17.95	17.97	17.99			
Channel											
Frequency (MHz)				2547.5	2547.5	2553	2547.5	2553.5			
15	QPSK	1	0	18.03	18.03	18.03	17.94	17.93			
15	QPSK	1	30	17.94	18.02	17.99	17.94	18.03			
15	QPSK	1	74	17.94	18.02	18.03	17.99	17.99			
15	QPSK	36	0	18.03	18.02	18.03	17.99	18.03			
15	QPSK	36	30	17.94	17.95	17.97	17.93	18.03			
15	QPSK	36	90	17.94	18.03	17.99	18.03	17.99			
15	16QAM	1	0	17.99	17.94	17.93	18.03	17.94			
15	16QAM	1	74	17.97	18.02	18.02	17.97	17.94			
15	16QAM	36	20	17.99	18.01	17.97	18.03	17.95			
15	16QAM	36	30	17.95	18.03	17.99	18.03	17.99			
15	16QAM	75	0	18.03	17.97	17.99	18.03	17.95			
15	64QAM	1	74	17.99	18.02	18.02	18.03	17.95			
15	64QAM	1	30	17.99	18.02	17.99	18.03	17.95			
15	64QAM	36	0	17.93	17.93	17.99	18.03	18.03			
15	64QAM	36	30	17.99	17.95	17.99	18.03	17.99			
15	64QAM	75	0	17.99	17.95	17.99	18.03	17.99			
15	64QAM	75	0	17.99	17.95	17.99	18.03	17.99			
Channel											
Frequency (MHz)				3675.0	4018.5	4063.0	4106.0	4106.0			
10	QPSK	1	0	18.03	17.99	18.01	17.96	17.99			
10	QPSK	1	24	18.03	18.03	17.95	18.03	17.99			
10	QPSK	1	40	17.93	18.02	17.99	17.93	17.99			
10	QPSK	20	0	18.01	17.97	17.93	17.93	18.03			
10	QPSK	20	12	17.99	17.97	17.99	17.95	17.99			
10	QPSK	20	20	17.99	17.95	17.93	17.93	17.93			
10	QPSK	50	0	17.93	18.03	18.02	17.94	18.02			
10	16QAM	1	0	17.99	18.01	18.01	18.03	17.95			
10	16QAM	1	20	17.94	17.95	18.03	17.93	18.01			
10	16QAM	25	0	17.93	17.95	18.01	17.99	18.03			
10	16QAM	25	40	17.99	17.99	17.99	17.93	17.99			
10	16QAM	50	0	17.99	18.03	17.99	17.95	17.94			
10	64QAM	1	20	17.99	18.03	18.01	18.03	17.99			
10	64QAM	25	0	18.01	17.99	17.96	18.01	18.02			
10	64QAM	25	12	17.99	17.99	17.99	18.03	18.03			
10	64QAM	25	20	17.93	17.93	17.96	17.96	17.93			
10	64QAM	50	0	17.93	18.03	18.03	18.03	18.03			
Channel											
Frequency (MHz)				3675.0	4014.0	4063.0	4106.0	4106.0			
5	QPSK	1	0	18.03	17.99	18.03	18.03	18.03			
5	QPSK	1	12	18.03	17.94	17.95	18.02	18.03			
5	QPSK	1	24	17.99	17.95	17.95	18.03	17.99			
5	QPSK	12	0	17.99	18.03	17.95	18.03	17.99			
5	QPSK	12	7	18.03	18.03	18.03	18.03	18.03			
5	QPSK	20	0	18.03	17.99	17.99	18.03	18.03			
5	16QAM	1	12	17.99	18.01	18.03	18.02	17.99			
5	16QAM	1	24	17.99	18.03	18.03	18.03	18.03			
5	16QAM	12	0	18.03	18.01	17.97	18.01	17.94			
5	16QAM	20	0	17.94	17.99	18.01	17.99	18.03			
5	64QAM	1	12	17.99	17.99	17.99	17.99	17.99			
5	64QAM	1	24	18.03	17.97	17.94	18.01	17.93			
5	64QAM	12	7	17.99	17.93	18.03	17.99	17.99			
5	64QAM	12	10	17.99	17.93	17.99	18.02	17.99			
5	64QAM	20	0	17.97	17.99	17.95	18.03	17.97			

Band 41_Ant 2 DSI 5											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. [MHz]	Power Low Mid. Freq. [MHz]	Power High Ch. Freq. [MHz]	Power High Mid. Freq. [MHz]	Time-up limit (dBm)	MPE (dB)		
Channel											
Frequency [MHz]				3675.0	4014.0	4063.0	4106.0	4106.0			
20	QPSK	1	0	18.03	18.03	18.04	18.05	18.03	21	0	
20	QPSK	1	60	18.16	18.13	18.09	18.04	18.05			
20	QPSK	1	90	18.16	18.13	18.09	18.04	18.05			
20	QPSK	50	24	18.03	18.03	18.09	18.04	18.07			
20	QPSK	100	0	18.03	18.12	18.07	18.02	18.03	21	0	
20	QPSK	100	0	18.03	18.11	18.10	18.12	18.11			
20	16QAM	1	60	18.09	18.03	18.03	18.05	18.15			
20	16QAM	1	90	18.09	18.03	18.03	18.05	18.15			
20	16QAM	50	0	18.03	18.03	18.03	18.04	18.11	21	0	
20	16QAM	50	30	18.07	18.09	18.07	18.07	18.08			
20	16QAM	100	0	18.03	18.12	18.07	18.12	18.07			
20	64QAM	1	0	18.16	18.09	18.09	18.03	18.10			
20	64QAM	1	60	18.09	18.03	18.03	18.05	18.10	21	0	
20	64QAM	1	90	18.09	18.03	18.03	18.05	18.10			
20	64QAM	50	24	18.02	18.10	18.10	18.12	18.05			
20	64QAM	50	30	18.03	18.03	18.03	18.10	18.10			
20	64QAM	100	0	18.03	18.12	18.07	18.11	18.10	20	1	
Channel											
Frequency [MHz]				2533.5	2544.5	2553	1805.615	1813			
15	QPSK	1	0	18.14	18.14	18.16	18.14	18.14	21	0	
15	QPSK	1	30	18.14	18.19	18.16	18.14	18.14			
15	QPSK	1	74	18.19	18.19	18.16	18.13	18.13			
15	QPSK	36	0	18.14	18.12	18.11	18.13	18.19			
15	QPSK	36	30	18.19	18.19	18.11	18.13	18.14	21	0	
15	QPSK	36	90	18.19	18.15	18.11	18.13	18.18			
15	QPSK	75	0	18.14	18.13	18.13	18.16	18.20			
15	16QAM	1	0	18.14	18.19	18.21	18.1	18.17			
15	16QAM	1	30	18.14	18.17	18.17	18.18	18.14	21	0	
15	16QAM	1	74	18.19	18.17	18.15	18.20	18.11			
15	16QAM	36	0	18.13	18.21	18.14	18.15	18.19			
15	16QAM	36	30	18.13	18.14	18.12	18.15	18.18			
15	16QAM	75	0	18.10	18.13	18.21	18.13	18.19	21	0	
15	16QAM	75	30	18.21	18.15	18.13	18.16	18.19			
15	16QAM	1	74	18.20	18.20	18.21	18.16	18.21			
15	16QAM	1	90	18.21	18.21	18.21	18.16	18.21			
15	16QAM	36	0	18.21	18.13	18.21	18.18	18.19	20	1	
15	16QAM	36	30	18.21	18.13	18.21	18.18	18.19			
15	16QAM	36	90	18.21	18.13	18.21	18.18	18.19			
15	16QAM	75	0	18.21	18.13	18.21	18.18	18.19			
15	64QAM	1	0	18.18	18.13	18.21	18.18	18.17	20	1	
15	64QAM	1	30	18.18	18.13	18.21	18.18	18.17			
Channel											
Frequency [MHz]				3669.5	4014.0	4060.0	4106.0	4106.0			
10	QPSK	1	0	18.12	18.19	18.15	18.21	18.19	21	0	
10	QPSK	1	24	18.25	18.23	18.16	18.14	18.16			
10	QPSK	25	0	18.20	18.18	18.12	18.11	18.20			
10	QPSK	25	24	18.20	18.14	18.12	18.11	18.20			
10	QPSK	25	25	18.13	18.21	18.21	18.21	18.19	21	0	
10	QPSK	25	25	18.13	18.21	18.21	18.21	18.19			
10	16QAM	1	0	18.21	18.20	18.17	18.11	18.19			
10	16QAM	1	24	18.26	18.17	18.14	18.13	18.14			
10	16QAM	1	48	18.12	18.15	18.16	18.21	18.19	21	0	
10	16QAM	1	72	18.16	18.17	18.14	18.15	18.16			
10	16QAM	25	12	18.21	18.15	18.19	18.13	18.13			
10	16QAM	25	12	18.24	18.15	18.19	18.13	18.13			
10	16QAM	50	0	18.17	18.21	18.22	18.18	18.19	21	0	
10	16QAM	50	24	18.18	18.18	18.11	18.20	18.17			
10	16QAM	1	25	18.15	18.18	18.18	18.12	18.19			
10	16QAM	1	48	18.13	18.13	18.12	18.18	18.17			
10	16QAM	25	0	18.18	18.15	18.19	18.14	18.15	20	1	
10	16QAM	25	12	18.26	18.15	18.15	18.21	18.17			
10	16QAM	25	25	18.14	18.13	18.21	18.14	18.14			
10	16QAM	25	25	18.13	18.18	18.18	18.18	18.18			
Frequency [MHz]				3669.5	4014.0	4060.0	4106.0	4106.0			
5	QPSK	1	0	18.11	18.16	18.15	18.17	18.13	21	0	
5	QPSK	1	12	18.16	18.16	18.17	18.17	18.16			
5	QPSK	1	24	18.11	18.13	18.14	18.16	18.19			
5	QPSK	12	0	18.20	18.15	18.20	18.17	18.16			
5	QPSK	12	7	18.19	18.17	18.11	18.17	18.18	21	0	
5	QPSK	12	13	18.18	18.16	18.20	18.17	18.16			
5	QPSK	25	0	18.18	18.21	18.19	18.16	18.15			
5	QPSK	25	12	18.15	18.18	18.18	18.18	18.17			
5	16QAM	1	24	18.15	18.21	18.19	18.16	18.19	21	0	
5	16QAM	1	48	18.13	18.14	18.21	18.15	18.19			
5	16QAM	12	7	18.14	18.19	18.21	18.14	18.12			
5	16QAM	12	13	18.15	18.14	18.21	18.14	18.12			
5	16QAM	25	0	18.18	18.15	18.11	18.21	18.19	21	0	
5	16QAM	25	12	18.21	18.14	18.14	18.12	18.17			
5	64QAM	1	12	18.12	18.21	18.14	18.13	18.16			
5	64QAM	1	24	18.21	18.12	18.12	18.13	18.13			
5	64QAM	12	0	18.20	18.14	18.17	18.11	18.15	20	1	
5	64QAM	12	7	18.11	18.15	18.11	18.17	18.17			
5	64QAM	12	13	18.17	18.12	18.13	18.16	18.16			
5	64QAM	12	13	18.11	18.15	18.11	18.17	18.17			

n5_Ant 1 DSI 2&4&6&3&5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				834	836.5	839			
20	PI/2 BPSK	1	1	23.18	23.21	23.13	24.0	0.0	
20	PI/2 BPSK	1	53	23.13	23.16	23.09			
20	PI/2 BPSK	1	104	23.05	23.06	23.09			
20	PI/2 BPSK	50	0	23.01	23.09	23.01	24.0	0.0	
20	PI/2 BPSK	50	28	22.96	23.04	22.96			
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			
20	QPSK	1	104	23.01	23.13	23.01	24.0	0.0	
20	QPSK	50	0	22.93	23.01	22.96			
20	QPSK	50	28	22.94	23.05	22.87			
20	QPSK	50	56	22.94	22.98	22.91	23.0	1.0	
20	QPSK	100	0	22.86	22.93	22.88			
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			
20	64QAM	1	1	21.29	21.44	21.35	21.5	2.5	
20	64QAM	1	53	21.09	21.29	21.23			
20	64QAM	1	104	21.01	21.12	21.16			
20	64QAM	50	0	20.92	20.93	21.16	21.5	2.5	
20	64QAM	50	28	20.92	20.93	21.13			
20	64QAM	50	56	20.81	20.93	21.07			
20	64QAM	100	0	20.81	20.83	21.05	21.5	2.5	
20	256QAM	1	1	19.18	19.41	19.29			
20	256QAM	1	53	19.13	19.24	19.11			
20	256QAM	1	104	19.02	19.07	18.97	19.5	4.5	
20	256QAM	50	0	18.83	19.06	18.87			
20	256QAM	50	28	18.80	18.94	18.67			
20	256QAM	50	56	18.72	18.84	18.56	19.5	4.5	
20	256QAM	100	0	18.70	18.69	18.41			
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			
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			
15	64QAM	1	1	21.01	21.11	21.05	21.5	2.5	
15	64QAM	1	40	20.98	21.05	20.90			
15	64QAM	1	77	20.99	20.94	20.99			
15	64QAM	36	0	20.97	21.07	20.85	21.5	2.5	
15	64QAM	36	22	20.90	20.94	20.91			
15	64QAM	36	43	20.95	21.09	20.91			
15	64QAM	75	0	20.92	21.08	20.96	21.5	2.5	
15	256QAM	1	1	18.88	18.96	18.95			
15	256QAM	1	40	18.84	18.88	18.81			
15	256QAM	1	77	18.86	18.85	18.89	19.5	4.5	
15	256QAM	36	0	18.80	18.87	18.80			
15	256QAM	36	22	18.88	18.95	18.86			
15	256QAM	36	43	18.85	18.90	18.89	19.5	4.5	
15	256QAM	75	0	18.85	18.85	18.83			
Channel				166800	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	24.0	0.0	
10	PI/2 BPSK	1	26	23.10	22.90	22.97			
10	PI/2 BPSK	1	50	22.98	22.86	22.94			
10	PI/2 BPSK	25	0	22.97	22.93	23.10	24.0	0.0	
10	PI/2 BPSK	25	14	22.98	22.94	22.96			
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			
10	QPSK	1	50	22.96	22.73	23.00	24.0	0.0	
10	QPSK	25	0	23.05	22.76	23.02			
10	QPSK	25	14	22.93	22.74	22.99			
10	QPSK	25	27	23.04	22.77	22.92	23.0	1.0	
10	QPSK	50	0	22.01	21.67	21.88			
10	16QAM	1	1	22.28	22.79	22.20	23.0	1.0	
10	16QAM	1	26	22.12	22.72	22.16			
10	16QAM	1	50	22.08	22.72	22.10			
10	16QAM	25	0	22.17	22.74	22.12	23.0	1.0	
10	16QAM	25	14	22.22	22.73	22.10			
10	16QAM	25	27	22.25	22.73	22.01			
10	16QAM	50	0	21.14	21.72	20.99	22.0	2.0	
10	64QAM	1	1	20.93	21.38	21.03			
10	64QAM	1	26	20.84	21.36	20.84			
10	64QAM	1	50	20.85	21.34	20.84	21.5	2.5	
10	64QAM	25	0	20.87	21.31	21.01			
10	64QAM	25	14	20.76	21.19	20.97			
10	64QAM	25	27	20.80	21.34	20.95	21.5	2.5	
10	64QAM	50	0	20.76	21.35	20.85			
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			

n5_Ant 2 DSI 2&4&6&3&5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dbm)	MPR (dB)	
Channel				166800	167300	167800	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				834	836.5	839			
20	PI/2 BPSK	1	1	23.90	23.92	23.80	24.0	0.0	
20	PI/2 BPSK	1	53	23.88	23.84	23.72			
20	PI/2 BPSK	1	104	23.86	23.75	23.68			
20	PI/2 BPSK	50	0	23.67	23.77	23.68	24.0	0.0	
20	PI/2 BPSK	50	28	23.70	23.73	23.63			
20	PI/2 BPSK	50	56	23.63	23.16	23.63			
20	PI/2 BPSK	100	0	22.02	22.04	21.98	23.5	0.5	
20	QPSK	1	1	21.91	21.79	21.75			
20	QPSK	1	53	23.15	23.27	22.92			
20	QPSK	1	104	21.45	21.35	21.36	24.0	0.0	
20	QPSK	50	0	22.61	22.66	22.77			
20	QPSK	50	28	23.61	23.80	23.84			
20	QPSK	50	56	22.82	22.65	22.71	24.0	0.0	
20	QPSK	100	0	22.64	22.70	22.75			
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	19.96	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	21.5	2.5	
20	64QAM	50	28	20.66	20.65	20.73			
20	64QAM	50	56	20.72	20.52	20.76			
20	64QAM	100	0	20.68	20.56	20.66	21.5	2.5	
20	256QAM	1	1	18.68	18.39	18.53			
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	19.5	4.5	
20	256QAM	50	28	18.62	18.20	18.81			
20	256QAM	50	56	18.57	18.36	18.73			
20	256QAM	100	0	18.50	18.29	18.66	19.5	4.5	
Channel				166300	167300	168300	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	PI/2 BPSK	1	1	23.95	23.85	23.87	24.0	0.0	
15	QPSK	1	1	23.88	23.78	23.91	24.0	0.0	
15	16QAM	1	1	22.73	22.71	22.65	23.0	1.0	
15	16QAM	1	40	22.62	22.66	22.65			
15	16QAM	1	77	22.66	22.61	22.45			
15	16QAM	36	0	22.56	22.54	22.53	23.0	1.0	
15	16QAM	36	22	22.64	22.60	22.50			
15	16QAM	36	43	22.61	22.70	22.50			
15	16QAM	75	0	21.57	21.47	21.46	22.0	2.0	
15	64QAM	1	1	21.25	21.22	21.20			
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	64QAM	36	0	21.17	21.13	21.20	21.5	2.5	
15	64QAM	36	22	21.14	21.13	21.06			
15	64QAM	36	43	21.18	21.13	21.18			
15	64QAM	75	0	21.13	21.12	21.05	21.5	2.5	
15	256QAM	1	1	19.28	19.13	19.15	19.5	4.5	
15	256QAM	1	40	19.23	19.04	19.14			
15	256QAM	1	77	19.13	19.09	19.11			
15	256QAM	36	0	19.10	18.96	19.01	19.5	4.5	
15	256QAM	36	22	19.16	19.13	19.04			
15	256QAM	36	43	19.26	19.06	19.15			
15	256QAM	75	0	19.21	18.96	19.00	19.5	4.5	
Channel				165800	167300	168800	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	PI/2 BPSK	1	1	23.75	23.62	23.70	24.0	0.0	
10	PI/2 BPSK	1	26	23.56	23.50	23.55			
10	PI/2 BPSK	1	50	23.71	23.54	23.55			
10	PI/2 BPSK	25	0	23.63	23.56	23.51	24.0	0.0	
10	PI/2 BPSK	25	14	23.61	23.62	23.50			
10	PI/2 BPSK	25	27	23.62	23.59	23.66			
10	PI/2 BPSK	50	0	23.19	23.01	23.14	23.5	0.5	
10	QPSK	1	1	23.71	23.53	23.62	24.0	0.0	
10	QPSK	1	26	23.58	23.45	23.59			
10	QPSK	1	50	23.65	23.40	23.49			
10	QPSK	25	0	23.57	23.37	23.54	24.0	0.0	
10	QPSK	25	14	23.64	23.45	23.42			
10	QPSK	25	27	23.63	23.33	23.62			
10	QPSK	50	0	22.52	22.34	22.53	23.0	1.0	
10	16QAM	1	1	22.49	22.49	22.55			
10	16QAM	1	26	22.49	22.43	22.36	23.0	1.0	
10	16QAM	1	50	22.46	22.37	22.50			
10	16QAM	25	0	22.39	22.40	22.46	23.0	1.0	
10	16QAM	25	14	22.45	22.30	22.39			
10	16QAM	25	27	22.34	22.40	22.35			
10	16QAM	50	0	21.35	21.34	21.39	22.0	2.0	
10	64QAM	1	1	21.11	21.01	21.25	21.5	2.5	
10	64QAM	1	26	20.96	20.98	21.23			
10	64QAM	1	50	21.10	20.87	21.25			
10	64QAM	25	14	20.93	20.98	21.06	21.5	2.5	
10	64QAM	25	27	20.97	20.99	21.07			
10	64QAM	50	0	20.96	20.82	21.24	21.5	2.5	
10	256QAM	1	1	19.04	18.92	18.95			
10	256QAM	1	26	18.93	18.77	18.88	19.5	4.5	
10	256QAM	1	50	18.84	18.75	18.89			
10	256QAM	25	0	18.88	18.77	18.77	19.5	4.5	
10	256QAM	25	14	18.86	18.90	18.75			
10	256QAM	25	27	19.01	18.90	18.76			
10	256QAM	50	0	18.94	18.88	18.94	19.5	4.5	

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

n41 for FCC_Ant 2 DSI 2&4&6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				506202	516598	525000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	23.42	23.80	23.79	24.0	0.0	
100	PI/2 BPSK	1	137	23.40	23.72	23.77			
100	PI/2 BPSK	1	271	23.36	23.77	23.70			
100	PI/2 BPSK	135	0	23.27	23.19	23.62	24.0	0.0	
100	PI/2 BPSK	135	69	23.21	23.73	23.52			
100	PI/2 BPSK	135	138	23.14	23.25	23.52			
100	PI/2 BPSK	270	0	23.13	23.28	23.47	23.5	0.5	
100	QPSK	1	1	23.32	23.81	23.75	24.0	0.0	
100	QPSK	1	137	23.40	23.83	23.67			
100	QPSK	1	271	23.31	23.85	23.60			
100	QPSK	135	0	23.19	22.96	23.60	24.0	0.0	
100	QPSK	135	69	23.20	23.74	23.49			
100	QPSK	135	138	23.07	22.72	22.81			
100	QPSK	270	0	22.51	22.63	22.71	23.0	1.0	
100	16QAM	1	1	22.97	22.88	22.65	23.0	1.0	
100	16QAM	1	137	22.83	22.83	22.56			
100	16QAM	1	271	22.87	22.71	22.59			
100	16QAM	135	0	22.90	22.73	22.48	23.0	1.0	
100	16QAM	135	69	22.90	22.81	22.55			
100	16QAM	135	138	22.96	22.85	22.55			
100	16QAM	270	0	21.97	21.76	21.46	22.0	2.0	
100	64QAM	1	1	21.08	21.37	21.15	21.5	2.5	
100	64QAM	1	137	20.99	21.25	21.02			
100	64QAM	1	271	21.01	21.33	21.13			
100	64QAM	135	0	21.07	21.34	21.00	21.5	2.5	
100	64QAM	135	69	21.07	21.17	20.97			
100	64QAM	135	138	20.99	21.25	21.06			
100	64QAM	270	0	20.98	21.24	20.85	21.5	2.5	
100	256QAM	1	1	19.22	19.02	18.14	19.5	4.5	
100	256QAM	1	137	19.04	18.87	18.10			
100	256QAM	1	271	19.08	18.89	18.09			
100	256QAM	135	0	19.16	18.88	18.99	19.5	4.5	
100	256QAM	135	69	19.22	18.89	19.00			
100	256QAM	135	138	19.06	18.95	19.12			
100	256QAM	270	0	18.91	18.94	18.96	19.5	4.5	
Channel				506200	516598	525996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	PI/2 BPSK	1	1	23.47	23.80	23.83	24.0	0.0	
90	PI/2 BPSK	1	120	23.33	23.79	23.75			
90	PI/2 BPSK	1	243	23.39	23.69	23.67			
90	PI/2 BPSK	120	0	23.47	23.79	23.81	24.0	0.0	
90	PI/2 BPSK	120	60	23.34	23.60	23.76			
90	PI/2 BPSK	120	120	23.32	23.65	23.71			
90	PI/2 BPSK	240	0	22.77	23.29	23.14	23.5	0.5	
90	QPSK	1	1	23.49	23.77	23.75	24.0	0.0	
90	QPSK	1	120	23.47	23.68	23.60			
90	QPSK	1	243	23.44	23.67	23.66			
90	QPSK	120	0	23.34	23.62	23.75	24.0	0.0	
90	QPSK	120	60	23.29	23.59	23.72			
90	QPSK	120	120	23.33	23.69	23.59			
90	QPSK	240	0	22.41	22.65	22.53	23.0	1.0	
90	16QAM	1	1	22.81	22.90	22.72	23.0	1.0	
90	16QAM	1	120	22.69	22.83	22.58			
90	16QAM	1	243	22.74	22.88	22.70			
90	16QAM	120	0	22.81	22.70	22.68	23.0	1.0	
90	16QAM	120	60	22.80	22.86	22.55			
90	16QAM	120	120	22.81	22.71	22.71			
90	16QAM	240	0	21.51	21.76	21.54	22.0	2.0	
90	64QAM	1	1	21.19	21.38	21.21	21.5	2.5	
90	64QAM	1	120	21.19	21.18	21.21			
90	64QAM	1	243	21.05	21.20	21.14			
90	64QAM	120	0	21.02	21.32	21.14	21.5	2.5	
90	64QAM	120	60	21.15	21.23	21.08			
90	64QAM	120	120	21.11	21.28	21.17			
90	64QAM	240	0	21.01	21.05	21.02	21.5	2.5	
90	256QAM	1	1	19.32	19.03	19.38	19.5	4.5	
90	256QAM	1	120	19.26	18.91	19.33			
90	256QAM	1	243	19.26	18.92	19.37			
90	256QAM	120	0	19.25	18.94	19.34	19.5	4.5	
90	256QAM	120	60	19.25	18.84	19.19			
90	256QAM	120	120	19.24	18.92	19.32			
90	256QAM	240	0	19.23	18.90	19.22	19.5	4.5	
Channel				507204	516598	525998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	PI/2 BPSK	1	1	23.46	23.72	23.77	24.0	0.0	
80	PI/2 BPSK	1	109	23.43	23.67	23.73			
80	PI/2 BPSK	1	215	23.31	23.54	23.69			
80	PI/2 BPSK	108	0	23.41	23.56	23.57	24.0	0.0	
80	PI/2 BPSK	108	55	23.41	23.53	23.63			
80	PI/2 BPSK	108	109	23.40	23.56	23.65			
80	PI/2 BPSK	216	0	22.82	23.11	23.12	23.5	0.5	
80	QPSK	1	1	23.47	23.70	23.73	24.0	0.0	
80	QPSK	1	109	23.47	23.66	23.64			
80	QPSK	1	215	23.37	23.52	23.62			
80	QPSK	108	0	23.42	23.66	23.53	24.0	0.0	
80	QPSK	108	55	23.47	23.58	23.73			
80	QPSK	108	109	23.30	23.59	23.63			
80	QPSK	216	0	22.44	22.48	22.53	23.0	1.0	
80	16QAM	1	1	22.88	22.92	22.87	23.0	1.0	
80	16QAM	1	109	22.79	22.78	22.76			
80	16QAM	1	215	22.78	22.80	22.76			
80	16QAM	108	0	22.83	22.77	22.70	23.0	1.0	
80	16QAM	108	55	22.74	22.77	22.84			
80	16QAM	108	109	22.83	22.92	22.78			
80	16QAM	216	0	21.62	21.70	21.58	22.0	2.0	
80	64QAM	1	1	21.04	21.42	21.38	21.5	2.5	
80	64QAM	1	109	20.95	21.35	21.23			
80	64QAM	1	215	21.00	21.31	21.22			
80	64QAM	108	0	21.03	21.31	21.19	21.5	2.5	
80	64QAM	108	55	21.02	21.34	21.26			
80	64QAM	108	109	20.85	21.33	21.27			
80	64QAM	216	0	20.77	21.19	21.16	21.5	2.5	
80	256QAM	1	1	18.71	18.96	18.73	19.5	4.5	
80	256QAM	1	109	18.65	18.81	18.56			
80	256QAM	1	215	18.61	18.88	18.57			
80	256QAM	108	0	18.65	18.84	18.66	19.5	4.5	
80	256QAM	108	55	18.62	18.92	18.72			
80	256QAM	108	109	18.57	18.81	18.71			
80	256QAM	216	0	18.56	18.74	18.43	19.5	4.5	

Channel				505200	518598	531996	Tune-up limit (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	523998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2545.01	2592.99	2640			
100	PI/2 BPSK	1	1	18.24	18.37	18.23	18.7	0.0	
100	PI/2 BPSK	1	137	18.16	18.24	18.01			
100	PI/2 BPSK	1	271	18.26	18.29	18.05			
100	PI/2 BPSK	135	0	18.15	18.32	18.06	18.7	0.0	
100	PI/2 BPSK	135	69	18.28	18.31	18.12			
100	PI/2 BPSK	135	138	18.26	18.30	18.10			
100	PI/2 BPSK	270	0	18.31	18.35	18.13	18.7	0.0	
100	QPSK	1	1	18.22	18.34	18.11	18.7	0.0	
100	QPSK	1	137	18.24	18.27	18.13			
100	QPSK	1	271	18.32	18.36	18.16			
100	QPSK	135	0	18.24	18.28	18.07	18.7	0.0	
100	QPSK	135	69	18.19	18.23	17.99			
100	QPSK	135	138	18.51	18.58	18.44			
100	QPSK	270	0	18.30	18.35	18.18	18.7	0.0	
100	16QAM	1	1	18.25	18.30	18.07	18.7	0.0	
100	16QAM	1	137	18.17	18.23	18.07			
100	16QAM	1	271	18.19	18.32	18.10			
100	16QAM	135	0	18.13	18.22	17.98	18.7	0.0	
100	16QAM	135	69	18.21	18.24	18.06			
100	16QAM	135	138	18.29	18.41	18.18			
100	16QAM	270	0	18.10	18.22	18.04	18.7	0.0	
100	64QAM	1	1	18.19	18.27	18.09	18.7	0.0	
100	64QAM	1	137	18.08	18.18	18.01			
100	64QAM	1	271	18.26	18.29	18.09			
100	64QAM	135	0	18.18	18.25	18.11	18.7	0.0	
100	64QAM	135	69	18.15	18.27	18.11			
100	64QAM	135	138	18.31	18.35	18.11			
100	64QAM	270	0	18.05	18.13	17.97	18.7	0.0	
100	256QAM	1	1	18.01	18.11	17.92	18.7	0.0	
100	256QAM	1	137	18.02	18.09	17.92			
100	256QAM	1	271	18.18	18.21	18.02			
100	256QAM	135	0	18.18	18.27	18.09	18.7	0.0	
100	256QAM	135	69	18.22	18.30	18.07			
100	256QAM	135	138	18.17	18.23	18.08			
100	256QAM	270	0	18.06	18.11	17.92	18.7	0.0	
Channel				508200	516598	523998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	PI/2 BPSK	1	1	18.25	18.24	18.05	18.7	0.0	
90	PI/2 BPSK	1	120	18.20	18.20	18.00			
90	PI/2 BPSK	1	243	18.27	18.32	18.18			
90	PI/2 BPSK	120	0	18.17	18.14	17.98	18.7	0.0	
90	PI/2 BPSK	120	60	18.27	18.24	18.08			
90	PI/2 BPSK	120	120	18.19	18.29	18.06			
90	PI/2 BPSK	240	0	18.31	18.29	18.11	18.7	0.0	
90	QPSK	1	1	18.22	18.25	18.14	18.7	0.0	
90	QPSK	1	120	18.14	18.24	18.04			
90	QPSK	1	243	18.27	18.28	18.20			
90	QPSK	120	0	18.16	18.21	18.09	18.7	0.0	
90	QPSK	120	60	18.14	18.15	18.05			
90	QPSK	120	120	18.52	18.52	18.34			
90	QPSK	240	0	18.25	18.28	18.12	18.7	0.0	
90	16QAM	1	1	18.26	18.29	18.06	18.7	0.0	
90	16QAM	1	120	18.17	18.20	18.09			
90	16QAM	1	243	18.28	18.29	18.13			
90	16QAM	120	0	18.12	18.21	18.06	18.7	0.0	
90	16QAM	120	60	18.12	18.23	18.03			
90	16QAM	120	120	18.34	18.39	18.19			
90	16QAM	240	0	18.11	18.21	17.98	18.7	0.0	
90	64QAM	1	1	18.24	18.25	18.07	18.7	0.0	
90	64QAM	1	120	18.15	18.15	17.96			
90	64QAM	1	243	18.17	18.27	18.13			
90	64QAM	120	0	18.20	18.17	18.11	18.7	0.0	
90	64QAM	120	60	18.24	18.21	18.05			
90	64QAM	120	120	18.28	18.30	18.17			
90	64QAM	240	0	18.04	18.09	17.91	18.7	0.0	
90	256QAM	1	1	19.32	19.03	19.38	18.7	0.0	
90	256QAM	1	120	19.26	18.91	19.33			
90	256QAM	1	243	19.26	18.92	19.37			
90	256QAM	120	0	19.25	18.94	19.34	18.7	0.0	
90	256QAM	120	60	19.25	18.84	19.19			
90	256QAM	120	120	19.24	18.92	19.32			
90	256QAM	240	0	19.23	18.90	19.22	18.7	0.0	
Channel				507204	516598	523998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	PI/2 BPSK	1	1	18.21	18.24	17.97	18.7	0.0	
80	PI/2 BPSK	1	109	18.14	18.20	17.91			
80	PI/2 BPSK	1	215	18.17	18.24	18.11			
80	PI/2 BPSK	108	0	18.16	18.10	17.94	18.7	0.0	
80	PI/2 BPSK	108	55	18.17	18.17	18.02			
80	PI/2 BPSK	108	109	18.16	18.23	18.02			
80	PI/2 BPSK	216	0	18.28	18.28	18.10	18.7	0.0	
80	QPSK	1	1	18.18	18.21	18.10	18.7	0.0	
80	QPSK	1	109	18.06	18.18	18.01			
80	QPSK	1	215	18.21	18.22	18.11			
80	QPSK	108	0	18.06	18.18	18.02	18.7	0.0	
80	QPSK	108	55	18.08	18.12	17.97			
80	QPSK	108	109	18.45	18.49	18.30			
80	QPSK	216	0	18.23	18.28	18.08	18.7	0.0	
80	16QAM	1	1	18.16	18.28	18.02	18.7	0.0	
80	16QAM	1	109	18.10	18.10	18.03			
80	16QAM	1	215	18.27	18.24	18.11			
80	16QAM	108	0	18.10	18.13	18.03	18.7	0.0	
80	16QAM	108	55	18.04	18.21	18.00			
80	16QAM	108	109	18.34	18.34	18.18			
80	16QAM	216	0	18.09	18.16	17.91	18.7	0.0	
80	64QAM	1	1	18.15	18.15	18.05	18.7	0.0	
80	64QAM	1	109	18.12	18.10	17.88			
80	64QAM	1	215	18.16	18.27	18.11			
80	64QAM	108	0	18.14	18.11	18.07	18.7	0.0	
80	64QAM	108	55	18.23	18.13	18.05			
80	64QAM	108	109	18.22	18.28	18.07			
80	64QAM	216	0	17.97	18.09	17.91	18.7	0.0	
80	256QAM	1	1	18.71	18.96	18.73	18.7	0.0	
80	256QAM	1	109	18.65	18.81	18.56			
80	256QAM	1	215	18.61	18.88	18.57			
80	256QAM	108	0	18.65	18.84	18.66	18.7	0.0	
80	256QAM	108	55	18.62	18.92	18.72			
80	256QAM	108	109	18.57	18.81	18.71			
80	256QAM	216	0	18.56	18.74	18.43	18.7	0.0	

Channel				505200	518598	531996	Tune-up limit (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	2654.99		
50	PI/2 BPSK	1	1	18.13	18.13	17.79	18.7	0.0
50	PI/2 BPSK	1	67	18.08	18.07	17.74		
50	PI/2 BPSK	1	131	18.12	18.13	18.09		
50	PI/2 BPSK	64	0	18.07	17.96	17.93	18.7	0.0
50	PI/2 BPSK	64	35	18.06	18.08	17.96		
50	PI/2 BPSK	64	69	18.07	18.13	17.98		
50	PI/2 BPSK	128	0	18.16	18.15	18.07	18.7	0.0
50	QPSK	1	1	18.08	18.10	17.98	18.7	0.0
50	QPSK	1	67	18.03	18.05	17.82		
50	QPSK	1	131	18.14	18.16	18.07		
50	QPSK	64	0	17.91	18.09	17.88	18.7	0.0
50	QPSK	64	35	18.01	18.04	17.86		
50	QPSK	64	69	18.38	18.37	18.23		
50	QPSK	128	0	18.10	18.18	17.89	18.7	0.0
50	16QAM	1	1	18.06	18.15	17.92	18.7	0.0
50	16QAM	1	67	17.94	18.07	17.90		
50	16QAM	1	131	18.14	18.15	18.02		
50	16QAM	64	0	18.00	18.03	17.93	18.7	0.0
50	16QAM	64	35	17.93	18.12	17.90		
50	16QAM	64	69	18.22	18.25	18.07		
50	16QAM	128	0	17.97	18.08	17.76	18.7	0.0
50	64QAM	1	1	18.01	18.02	17.95	18.7	0.0
50	64QAM	1	67	18.07	17.92	17.87		
50	64QAM	1	131	18.07	18.17	18.01		
50	64QAM	64	0	18.00	17.92	17.91	18.7	0.0
50	64QAM	64	35	18.14	18.04	17.87		
50	64QAM	64	69	18.15	18.22	18.04		
50	64QAM	128	0	17.81	17.96	17.78	18.7	0.0
50	256QAM	1	1	18.72	18.95	18.98	18.7	0.0
50	256QAM	1	67	18.52	18.91	18.95		
50	256QAM	1	131	18.54	18.81	18.81		
50	256QAM	64	0	18.71	18.89	18.87	18.7	0.0
50	256QAM	64	35	18.67	18.91	18.80		
50	256QAM	64	69	18.62	18.92	18.81		
50	256QAM	128	0	18.36	18.77	18.78	18.7	0.0
Channel				503202	518598	534000	Tune-up limit (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	17.94	17.71	18.7	0.0
40	256QAM	1	1	19.18	19.26	19.27	18.7	0.0
40	256QAM	1	53	19.08	19.22	19.26		
40	256QAM	1	104	19.01	19.14	19.26		
40	256QAM	50	0	19.05	19.21	19.17	18.7	0.0
40	256QAM	50	28	19.15	19.06	19.15		
40	256QAM	50	56	19.06	19.12	19.17		
40	256QAM	100	0	18.88	19.04	19.23	18.7	0.0

Channel				501204	518598	535998	Tune-up limit (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-Configuious	7A-7A	7	20	2535	21100	QPSK	1	0	M	7	20	2680	3350	23.20	23.22	
		66A-66A	66	20	1720	132072	QPSK	1	0	L	66	20	2190	67236	23.04	22.88	
	Configuious	7C	7	20	2535	21100	QPSK	1	0	M	7	20	2673.0	3298	23.25	23.22	
		66C	66	20	1720	132072	QPSK	1	0	L	66	20	2139.8	66734	22.85	22.88	

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

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

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

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



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

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



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

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



CA_DSI 6										
CA_41C Ant 1										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	99	1	0	1	0	18.56	19.1
40185	39987	QPSK	1	0	1	99	2	0	18.55	19.1
40620	40422	QPSK	1	0	1	99	2	0	18.84	19.1
41055	40857	QPSK	1	0	1	99	2	0	18.91	19.1
41490	41292	QPSK	1	0	1	99	2	0	18.81	19.1

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



Power Table 1/3/4/5

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

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

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

Ant 4						
5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.5GHz WLAN	802.11a 6Mbps	100	5500	16.60	17.50	98.06
		116	5580	16.30	17.50	
		124	5620	16.50	17.50	
		132	5660	16.60	17.50	
		140	5700	16.80	17.50	
		144	5720	16.70	17.50	
	802.11n-HT20 MCS0	100	5500	16.90	17.50	98.19
		116	5580	16.30	17.50	
		124	5620	16.21	17.50	
		132	5660	16.23	17.50	
		140	5700	16.30	17.50	
		144	5720	16.30	17.50	
	802.11n-HT40 MCS0	102	5510	16.90	18.00	95.88
		110	5550	19.50	20.00	
		126	5630	19.18	20.00	
		134	5670	19.20	20.00	
		142	5710	19.20	20.00	
		100	5500	16.80	17.50	
5.8GHz WLAN	802.11ac-VHT20 MCS0	116	5580	16.30	17.50	97.94
		124	5620	16.15	17.50	
		132	5660	16.18	17.50	
		140	5700	16.20	17.50	
		144	5720	16.30	17.50	
		102	5510	17.10	18.00	
	802.11ac-VHT40 MCS0	110	5550	19.10	20.00	95.88
		126	5630	19.03	20.00	
		134	5670	19.00	20.00	
		142	5710	19.00	20.00	
		106	5530	16.30	17.00	
		122	5610	18.10	19.00	
	802.11ac-VHT80 MCS0	138	5690	18.20	19.00	91.84
		138	5690	18.20	19.00	

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

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

Ant 4						
5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180		10.50	98.06
		40	5200		10.50	
		44	5220		10.50	
	802.11n-HT20 MCS0	48	5240		10.50	98.19
		36	5180		10.50	
		40	5200		10.50	
	802.11n-HT40 MCS0	44	5220		10.50	95.88
		48	5240		10.50	
		38	5190		10.50	
	802.11ac-VHT20 MCS0	46	5230		10.50	97.94
		36	5180		10.50	
		40	5200		10.50	
	802.11ac-VHT40 MCS0	44	5220		10.50	95.88
		48	5240		10.50	
		38	5190		10.50	
	802.11ac-VHT80 MCS0	46	5230		10.50	91.84
		42	5210	9.23	10.50	

Ant 4						
5GHz WLAN	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		15.50	91.84
		58	5290		15.50	

Ant 4						
5GHz WLAN	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	



Power Table 7

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

Power Table 8

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

Power Table 9

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

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

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

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

Ant 4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.3GHz WLAN	802.11a 6Mbps	52	5260		10.50	98.06
		56	5280		10.50	
		60	5300		10.50	
		64	5320		10.50	
	802.11n-HT20 MCS0	52	5260		10.50	98.19
		56	5280		10.50	
		60	5300		10.50	
		64	5320	Not Required	10.50	
	802.11n-HT40 MCS0	54	5270		10.50	95.88
		62	5310		10.50	
	802.11ac-VHT20 MCS0	52	5260		10.50	97.94
		56	5280		10.50	
		60	5300		10.50	
		64	5320		10.50	
	802.11ac-VHT40 MCS0	54	5270		10.50	95.88
		62	5310		10.50	
	802.11ac-VHT80 MCS0	58	5290	10.38	10.50	91.84

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

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

5GHz WLAN		Ant 4				
	Mode	Channel	Frequency (MHz)	Average power (dbm)	Tune-Up Limit	Duty Cycle %
5.5GHz WLAN	802.11a 6Mbps	100	5500	Not Required	10.00	98.06
		116	5580		10.00	
		124	5620		10.00	
		132	5660		10.00	
		140	5700		10.00	
		144	5720		10.00	
	802.11n-HT20 MCS0	100	5500		10.00	98.19
		116	5580		10.00	
		124	5620		10.00	
		132	5660		10.00	
		140	5700		10.00	
		144	5720		10.00	
	802.11n-HT40 MCS0	102	5510		10.00	95.88
		110	5550		10.00	
		126	5630		10.00	
		134	5670		10.00	
		142	5710		10.00	
		100	5500		10.00	
	802.11ac-VHT20 MCS0	116	5580		10.00	97.94
		124	5620		10.00	
		132	5660		10.00	
		140	5700		10.00	
		144	5720		10.00	
		102	5510		10.00	
802.11ac-VHT40 MCS0	110	5550	10.00	95.88		
	126	5630	10.00			
	134	5670	10.00			
	142	5710	10.00			
	108	5530	9.59		91.84	
	122	5610	9.15			
138	5690	9.14				



Power Table 1/3/4/5

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

Power Table 2

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

Power Table 6

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

Ant 3						
5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180	16.50	17.00	97.09
		40	5200	16.40	17.00	
		44	5220	16.60	17.00	
		48	5240	16.40	17.00	
	802.11n-HT20 MCS0	36	5180	16.40	17.50	97.93
		40	5200	16.35	17.50	
		44	5220	17.00	17.50	
		48	5240	17.10	17.50	
	802.11n-HT40 MCS0	36	5190	13.40	14.00	95.85
		40	5230	19.40	20.00	
		36	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	
	802.11ac-VHT40 MCS0	36	5190	13.40	14.00	96.41
		46	5230	19.30	20.00	
	802.11ac-VHT80 MCS0	42	5210	12.30	13.00	92.00

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

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

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

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

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



Power Table 7

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

Power Table 8

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

Power Table 9

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

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

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

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

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

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

5GHz WLAN	Ant 3						
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
	802.11a 6Mbps	52	5280	Not Required	17.00	97.09	
		56	5280		17.00		
		60	5300		17.00		
		64	5320		17.00		
	802.11n-HT20 MCS0	52	5280		17.50	97.93	
		56	5280		17.50		
		60	5300		17.50		
		64	5320		17.50		
	802.11n-HT40 MCS0	54	5270		17.12	18.00	95.85
		62	5310		15.50		
	802.11ac-VHT20 MCS0	52	5280		Not Required	17.50	97.15
		56	5280			17.50	
		60	5300			17.50	
		64	5320			17.50	
	802.11ac-VHT40 MCS0	54	5270			18.00	96.41
		62	5310			15.50	
802.11ac-VHT80 MCS0	58	5290	15.00	92.00			



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

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

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

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

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

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

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

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

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



Power Table 7

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

5GHz WLAN

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

5GHz WLAN

5GHz WLAN		Ant 3#4				
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	52	5260	Not Required	13.50	97.35
		56	5280		13.50	
		60	5300		13.50	
		64	5320		13.50	
	802.11n-HT20 MCS9	52	5260		13.50	97.93
		56	5280		13.50	
		60	5300		13.50	
	802.11n-HT40 MCS9	64	5320		13.50	95.85
		54	5270		13.50	
	802.11ac-VHT20 MCS9	62	5310		13.50	97.15
		52	5260		13.50	
	802.11ac-VHT40 MCS9	56	5280		13.50	95.88
		60	5300		13.50	
		64	5320		13.50	
	802.11ac-VHT80 MCS9	54	5270		13.50	91.84
		62	5310		13.50	
	802.11ac-VHT80 MCS9	58	5290	13.01	13.50	91.84
		58	5290	13.01	13.50	

5GHz WLAN

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

5.8GHz WLAN

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

Power Table 8

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

5GHz WLAN

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

5GHz WLAN

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

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)							
									Auto-Tune (State 48)	1	23	45	67	89	111	133
GSM1900	GPRS (3 Tx slots)	1880	661	N/A	N/A	Right Cheek	0mm	0.123	0.144	0.064	0.007	0.035	0.054	0.035	0.026	0.03
Mode	Service/ 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 48)	2	24	46	68	90	112	134
WCDMA B2	RM12.2K	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)							
									Auto-Tune (State 55)	3	25	47	69	91	113	135
WCDMA B4	RM12.2K	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)							
									Auto-Tune (State 119)	4	26	48	70	92	114	136
WCDMA B5	RM12.2K	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)							
									Auto-Tune (State 117)	5	27	49	71	93	115	137
CDMA BC0	1xRTT RC3 SO55	836.52	384	N/A	N/A	Left Cheek	0mm	0.058	0.052	0.012	0.021	0.012	0.021	0.012	0.031	0.041
Mode	Service/ 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 49)	6	28	50	72	94	116	138
LTE B2	QPSK	1860	18700	1	0	Left Cheek	0mm	0.304	0.356	0.23	0.287	0.106	0.268	0.192	0.306	0.323
Mode	Service/ 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 87)	7	29	51	73	95	117	139
LTE B2_Ant 2	QPSK	1860	18700	1	0	Left Cheek	0mm	0.054	0.0632	0.033	0.023	0.042	0.052	0.033	0.023	0.053
Mode	Service/ 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 66)	8	30	52	74	96	118	140
LTE B7	QPSK	2535	21100	1	0	Left Cheek	0mm	0.186	0.222	0.03	0.163	0.087	0.106	0.172	0.096	0.119
Mode	Service/ 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 23)	9	31	53	75	97	119	141
LTE B7_Ant 2	QPSK	2535	21100	1	0	Right Cheek	0mm	0.116	0.144	0.056	0.075	0.094	0.066	0.132	0.037	0.077
Mode	Service/ 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 142)	10	32	54	76	98	120	142
LTE B12	QPSK	707.5	23095	1	0	Left Cheek	0mm	0.071	0.0774	0.047	0.056	0.047	0.066	0.047	0.047	0.057
Mode	Service/ 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 67)	11	33	55	77	99	121	143
LTE B12_Ant 2	QPSK	707.5	23095	1	0	Left Cheek	0mm	0.033	0.0362	0.025	0.025	0.015	0.015	0.034	0.025	0.021
Mode	Service/ 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 142)	12	34	56	78	100	122	0
LTE B13	QPSK	782	23230	1	0	Right Cheek	0mm	0.1	0.109	0.031	0.04	0.059	0.021	0.069	0.059	0.059
Mode	Service/ 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 67)	13	35	57	79	101	123	1
LTE B13_Ant 2	QPSK	782	23230	1	0	Right Cheek	0mm	0.055	0.0595	0.029	0.029	0.058	0.038	0.029	0.038	0.048
Mode	Service/ 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 121)	14	36	58	80	102	124	2
LTE B26	QPSK	831.5	26865	1	0	Right Cheek	0mm	0.12	0.13	0.08	0.09	0.061	0.023	0.08	0.052	0.065
Mode	Service/ 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 67)	15	37	59	81	103	125	3
LTE B26_Ant 2	QPSK	831.5	26865	1	0	Left Cheek	0mm	0.047	0.0542	0.014	0.024	0.043	0.024	0.024	0.043	0.036
Mode	Service/ 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 66)	16	38	60	82	104	126	4
LTE B41	QPSK	2593	40620	1	0	Right Tilted	0mm	0.077	0.0937	0.035	0.063	0.016	0.082	0.035	0.063	0.075
Mode	Service/ 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 20)	17	39	61	83	105	127	5
LTE B41_Ant 2	QPSK	2506	39750	1	0	Right Tilted	0mm	0.076	0.042	0.011	0.021	0.011	0.011	0.002	0.03	0.033
Mode	Service/ 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 56)	18	40	62	84	106	128	6
LTE B66	QPSK	1720	132072	1	0	Left Cheek	0mm	0.137	0.159	0.138	0.062	0.071	0.128	0.043	0.138	0.135
Mode	Service/ 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 90)	19	41	63	85	107	129	7
LTE B66_Ant 2	QPSK	1720	132072	1	0	Left Cheek	0mm	0.069	0.0807	0.05	0.069	0.069	0.031	0.06	0.05	0.053
Mode	Service/ 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 73)	20	42	64	86	108	130	8
LTE B71	QPSK	683	133322	1	0	Left Cheek	0mm	0.055	0.0584	0.018	0.047	0.047	0.056	0.018	0.037	0.039
Mode	Service/ 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 73)	21	43	65	87	109	131	9
LTE B71_Ant 2	QPSK	683	133322	1	0	Left Cheek	0mm	0.033	0.0355	0.024	0.014	0.024	0.014	0.034	0.034	0.034

Body																	
Mode	Service/ 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 (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)							
										Auto-Tune (State 48)	1	23	45	67	89	111	133
GSM1900	GPRS (3 Tx slots)	1880	661	N/A	N/A	Bottom Side	5mm	Open	0.798	1.05	0.877	0.8	0.781	0.667	0.391	0.677	0.603
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)							
										Auto-Tune (State 48)	2	24	46	68	90	112	134
WCDMA B2	RMC12.2K	1852.4	9262	N/A	N/A	Bottom Side	5mm		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)							
										Auto-Tune (State 34)	3	25	47	69	91	113	135
WCDMA B4	RMC12.2K	1752.6	1513	N/A	N/A	Bottom Side	5mm		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		Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)							
										Auto-Tune (State 119)	4	26	48	70	92	114	136
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		Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)							
										Auto-Tune (State 117)	5	27	49	71	93	115	137
CDMA BC0	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)							
										Auto-Tune (State 88)	6	28	50	72	94	116	138
LTE B2	QPSK	1880	18900	1	0	Back	5mm		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		Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)							
										Auto-Tune (State 87)	7	29	51	73	95	117	139
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)							
										Auto-Tune (State 66)	8	30	52	74	96	118	140
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)							
										Auto-Tune (State 23)	9	31	53	75	97	119	141
LTE B7_Ant 2	QPSK	2560	21350	1	0	Bottom Side	5mm		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		Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)							
										Auto-Tune (State 142)	10	32	54	76	98	120	142
LTE B12	QPSK	707.5	23095	1	0	Back	5mm		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		Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)							
										Auto-Tune (State 67)	11	33	55	77	99	121	143
LTE B12_Ant 2	QPSK	707.5	23095	1	0	Bottom Side	5mm		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		Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)							
										Auto-Tune (State 142)	12	34	56	78	100	122	0
LTE B13	QPSK	782	23230	1	0	Back	5mm		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		Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)							
										Auto-Tune (State 67)	13	35	57	79	101	123	1
LTE B13_Ant 2	QPSK	782	23230	1	0	Back	5mm		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		Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)							
										Auto-Tune (State 121)	14	36	58	80	102	124	2
LTE B26	QPSK	831.5	26865	1	0	Back	5mm		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		Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)							
										Auto-Tune (State 67)	15	37	59	81	103	125	3
LTE B26_Ant 2	QPSK	841.5	26965	1	0	Back	5mm		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)							
										Auto-Tune (State 66)	16	38	60	82	104	126	4
LTE B41	QPSK	2593	40620	1	0	Bottom Side	5mm		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)							
										Auto-Tune (State 20)	17	39	61	83	105	127	5
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)							
										Auto-Tune (State 56)	18	40	62	84	106	128	6
LTE B66	QPSK	1770	132572	1	0	Bottom Side	5mm	Open	0.679	0.876	0.455	0.474	0.379	0.131	0.512	0.712	0.749
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 90)	19	41	63	85	107	129	7
LTE B66_Ant 2	QPSK	1720	132072	1	0	Back	5mm		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		Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)							
										Auto-Tune (State 73)	20	42	64	86	108	130	8
LTE B71	QPSK	683	133322	1	0	Bottom Side	5mm		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		Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)							
										Auto-Tune (State 73)	21	43	65	87	109	131	9
LTE B71_Ant 2	QPSK	683	133322	1	0	Bottom Side	5mm		0.18	0.443	0.403	0.146	0.022	0.26	0.393	0.165	0.412