

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 (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	33.50	824.2	836.4	848.8	24.50
GSM 1 Tx slot		31.91	32.04	32.05		22.91	23.04	23.05	
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	30.50	1850.2	1880	1909.8	21.50
GSM 1 Tx slot		29.46	29.47	29.19		20.46	20.47	20.19	
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	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4488	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1728.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.18	22.86	23.01	24.00	23.06	23.07	23.01	24.00	22.87	23.01	22.89	24.00
3GPP Rel 99	RMC 12.2Kbps	23.23	22.95	23.03	24.00	23.10	23.12	23.06	24.00	22.95	23.06	22.96	24.00
3GPP Rel 6	HSDPA Subtest-1	22.26	22.00	22.05	23.00	22.11	22.13	22.08	23.00	21.97	22.07	21.99	23.00
3GPP Rel 6	HSDPA Subtest-2	22.30	22.00	22.04	23.00	22.10	22.16	22.09	23.00	21.99	21.76	21.96	23.00
3GPP Rel 6	HSDPA Subtest-3	21.78	21.50	21.52	22.50	21.63	21.63	21.60	22.50	21.50	21.57	21.15	22.50
3GPP Rel 6	HSDPA Subtest-4	21.78	21.50	21.35	22.50	21.58	21.62	21.60	22.50	21.50	21.23	21.48	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.18	21.99	21.95	23.50	22.06	22.08	22.00	23.50	21.88	22.06	21.94	23.50
3GPP Rel 8	DC-HSDPA Subtest-2	22.30	21.96	21.99	23.50	22.03	22.10	22.05	23.50	21.90	21.76	21.94	23.50
3GPP Rel 8	DC-HSDPA Subtest-3	21.76	21.47	21.52	23.00	21.54	21.60	21.51	23.00	21.42	21.49	21.11	23.00
3GPP Rel 8	DC-HSDPA Subtest-4	21.71	21.42	21.25	23.00	21.52	21.60	21.53	23.00	21.47	21.21	21.43	23.00
3GPP Rel 6	HSUPA Subtest-1	22.27	22.02	22.04	23.00	22.11	22.08	22.04	23.00	21.93	22.08	21.97	23.00
3GPP Rel 6	HSUPA Subtest-2	20.27	19.99	20.06	21.00	20.11	20.11	20.07	21.00	19.93	19.91	19.92	21.00
3GPP Rel 6	HSUPA Subtest-3	21.27	21.00	21.06	22.00	21.10	21.06	21.02	22.00	20.88	20.94	20.88	22.00
3GPP Rel 6	HSUPA Subtest-4	20.28	20.04	19.98	21.00	20.16	20.17	20.10	21.00	19.97	19.94	19.86	21.00
3GPP Rel 6	HSUPA Subtest-5	22.30	22.00	22.10	23.00	22.10	22.10	22.60	23.00	22.00	21.90	21.90	23.00

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

Band 2_Ant 1 DSI 2&4&6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	23.02	22.73	22.81	24	0	
20	QPSK	1	49	22.83	22.61	22.68			
20	QPSK	1	99	22.71	22.59	22.64	23	1	
20	QPSK	50	0	22.68	21.82	21.88			
20	QPSK	50	24	22.07	21.82	21.84	23	1	
20	QPSK	50	50	21.93	21.78	21.85			
20	QPSK	100	0	22.06	21.80	21.76	22	2	
20	16QAM	1	0	22.35	22.10	22.09			
20	16QAM	1	49	22.22	22.02	22.02	23	1	
20	16QAM	1	99	22.04	21.93	22.03			
20	16QAM	50	0	21.11	20.83	20.78	22	2	
20	16QAM	50	24	21.09	20.83	20.86			
20	16QAM	50	50	20.96	20.79	20.85	22	2	
20	16QAM	100	0	21.06	20.79	20.79			
20	64QAM	1	0	21.27	20.93	20.97	22	2	
20	64QAM	1	49	21.09	20.83	20.93			
20	64QAM	1	99	20.88	20.79	20.80	21	3	
20	64QAM	50	0	20.14	19.86	19.87			
20	64QAM	50	24	20.10	19.85	19.89	21	3	
20	64QAM	50	50	19.98	19.81	19.90			
20	64QAM	100	0	20.08	19.85	19.81			
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.95	22.69	22.80	24	0	
15	QPSK	1	37	22.80	22.54	22.62			
15	QPSK	1	74	22.67	22.56	22.55	23	1	
15	QPSK	36	0	22.04	21.72	21.78			
15	QPSK	36	20	21.99	21.73	21.79	23	1	
15	QPSK	36	39	21.93	21.71	21.78			
15	QPSK	75	0	22.04	21.74	21.71	23	1	
15	16QAM	1	0	22.31	22.06	21.99			
15	16QAM	1	37	22.19	21.97	21.94	22	2	
15	16QAM	1	74	22.01	21.91	22.01			
15	16QAM	36	0	21.10	20.81	20.73	22	2	
15	16QAM	36	20	21.08	20.76	20.79			
15	16QAM	36	39	20.95	20.76	20.79	22	2	
15	16QAM	75	0	20.98	20.74	20.76			
15	64QAM	1	0	21.24	20.90	20.87	22	2	
15	64QAM	1	37	21.09	20.79	20.86			
15	64QAM	1	74	20.87	20.73	20.86	21	3	
15	64QAM	36	0	20.10	19.82	19.77			
15	64QAM	36	20	20.08	19.83	19.81	21	3	
15	64QAM	36	39	19.89	19.76	19.84			
15	64QAM	75	0	20.06	19.75	19.71			
Channel									
Frequency (MHz)									
10	QPSK	1	0	23.00	22.73	22.78	24	0	
10	QPSK	1	25	22.80	22.60	22.67			
10	QPSK	1	49	22.67	22.51	22.60	23	1	
10	QPSK	25	0	22.05	21.79	21.81			
10	QPSK	25	13	22.02	21.73	21.82	23	1	
10	QPSK	25	25	21.93	21.76	21.84			
10	QPSK	50	0	22.03	21.72	21.71	23	1	
10	16QAM	1	0	22.29	22.03	22.09			
10	16QAM	1	25	22.22	21.93	22.02	22	2	
10	16QAM	1	49	22.00	21.83	21.97			
10	16QAM	25	0	21.09	20.81	20.73	22	2	
10	16QAM	25	12	21.06	20.78	20.79			
10	16QAM	25	25	20.96	20.72	20.85	22	2	
10	16QAM	50	0	21.01	20.70	20.76			
10	64QAM	1	0	21.21	20.87	20.86	22	2	
10	64QAM	1	25	21.09	20.74	20.85			
10	64QAM	1	49	20.78	20.78	20.80	21	3	
10	64QAM	25	0	20.04	19.75	19.78			
10	64QAM	25	12	20.08	19.76	19.80	21	3	
10	64QAM	25	25	19.94	19.71	19.84			
10	64QAM	50	0	19.99	19.75	19.71			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.97	22.67	22.75	24	0	
5	QPSK	1	12	22.78	22.57	22.63			
5	QPSK	1	24	22.64	22.63	22.64	23	1	
5	QPSK	12	0	21.98	21.82	21.84			
5	QPSK	12	7	22.01	21.75	21.79	23	1	
5	QPSK	12	13	21.90	21.70	21.82			
5	QPSK	25	0	21.96	21.79	21.71	23	1	
5	16QAM	1	0	22.35	22.01	22.01			
5	16QAM	1	12	22.17	21.92	21.93	22	2	
5	16QAM	1	24	21.98	21.91	21.95			
5	16QAM	12	0	21.05	20.75	20.78	22	2	
5	16QAM	12	7	21.02	20.80	20.86			
5	16QAM	12	13	20.91	20.75	20.75	22	2	
5	16QAM	25	0	21.05	20.79	20.75			
5	64QAM	1	0	21.23	20.96	20.92	22	2	
5	64QAM	1	12	21.06	20.81	20.83			
5	64QAM	1	24	20.86	20.70	20.80	21	3	
5	64QAM	12	0	20.09	19.77	19.74			
5	64QAM	12	7	20.00	19.81	19.81	21	3	
5	64QAM	12	13	19.89	19.72	19.89			
5	64QAM	25	0	20.00	19.85	19.81			
Channel									
Frequency (MHz)									
3	QPSK	1	0	22.94	22.70	22.73	24	0	
3	QPSK	1	8	22.77	22.61	22.59			
3	QPSK	1	14	22.63	22.57	22.62	23	1	
3	QPSK	8	0	22.08	21.74	21.85			
3	QPSK	8	4	22.04	21.77	21.83	23	1	
3	QPSK	8	7	21.86	21.74	21.78			
3	QPSK	15	0	22.05	21.80	21.66	23	1	
3	16QAM	1	0	22.28	22.06	22.01			
3	16QAM	1	8	22.21	21.98	21.62	23	1	
3	16QAM	1	14	21.95	21.86	22.00			
3	16QAM	8	0	21.10	20.82	20.78	22	2	
3	16QAM	8	4	21.08	20.74	20.85			
3	16QAM	8	7	20.90	20.73	20.84	22	2	
3	16QAM	15	0	21.03	20.92	20.77			
3	QPSK	1	0	21.22	20.91	20.92	22	2	
3	64QAM	1	8	21.04	20.74	20.83			
3	64QAM	1	14	20.84	20.70	20.86	22	2	
3	64QAM	8	0	20.07	19.77	19.79			
3	64QAM	8	4	20.06	19.56	19.79	21	3	
3	64QAM	8	7	19.88	19.68	19.83			
3	64QAM	15	0	20.04	19.84	19.90			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	23.00	22.64	22.73	24	0	
1.4	QPSK	1	3	22.82	22.54	22.68			
1.4	QPSK	1	5	22.63	22.55	22.55	23	1	
1.4	QPSK	3	0	22.79	22.60	22.66			
1.4	QPSK	3	1	22.84	22.57	22.56	23	1	
1.4	QPSK	3	3	22.67	22.49	22.64			
1.4	QPSK	6	0	22.37	22.12	22.10	23	1	
1.4	16QAM	1	0	22.35	21.96	22.08			
1.4	16QAM	1	3	22.15	21.94	22.01	23	1	
1.4	16QAM	3	0	21.98	21.88	21.96			
1.4	16QAM	3	1	22.00	21.87	21.82	22	2	
1.4	16QAM	3	3	21.95	21.75	21.83			
1.4	64QAM	1	3	21.87	20.67	20.84	22	2	
1.4	64QAM	1	5	20.67	20.70	20.85			
1.4	64QAM	3	1	21.06	20.83	20.72	22	2	
1.4	64QAM	3	1	21.02	20.79	20.80			
1.4	64QAM	3	3	20.92	20.73	20.83	21	3	
1.4	64QAM	6	0	20.39	20.24	20.17			

Band 4_Ant2 DSI 2&4&6&8&5										
BW [MHz]	Modulation	RB Size	RB Offset	Power Fwd Ch. / Freq.	Power Fwd Ch. / Freq.	Power Fwd Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20050	20175	20300				
Frequency (MHz)				1720	1732.5	1745				
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	20.68	20.62				
20	QPSK	50	0	20.11	19.97	19.91			21	1
20	QPSK	50	24	19.97	19.88	19.82				
20	QPSK	50	50	19.92	19.85	19.78				
20	QPSK	100	0	19.93	19.92	19.79			21	1
20	16QAM	1	0	20.21	20.28	20.25				
20	16QAM	1	49	20.10	20.07	20.01				
20	16QAM	1	99	20.04	19.95	19.87			20	2
20	16QAM	50	0	18.98	18.99	18.93				
20	16QAM	50	24	19.00	18.90	18.82				
20	16QAM	50	50	18.91	18.86	18.75			20	2
20	16QAM	100	0	18.96	18.95	18.81				
20	64QAM	1	0	18.12	18.10	18.10				
20	64QAM	1	49	18.90	18.95	18.89			19	3
20	64QAM	1	99	18.91	18.86	18.84				
20	64QAM	50	0	18.00	18.01	17.94				
20	64QAM	50	24	18.03	17.94	17.85			20	2
20	64QAM	50	50	17.84	17.89	17.84				
20	64QAM	100	0	18.03	17.91	17.83				
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1717.5	1732.5	1747.5				
15	QPSK	1	0	20.86	20.82	20.79			22	0
15	QPSK	1	37	20.65	20.67	20.61				
15	QPSK	1	74	20.73	20.64	20.54				
15	QPSK	36	0	19.98	19.98	19.81			21	1
15	QPSK	36	20	19.96	19.86	19.75				
15	QPSK	36	39	19.83	19.85	19.78				
15	QPSK	75	0	19.89	19.87	19.74			21	1
15	16QAM	1	0	20.18	20.19	20.25				
15	16QAM	1	37	20.00	20.02	19.95				
15	16QAM	1	74	19.96	19.95	19.77			20	2
15	16QAM	36	0	18.93	18.97	18.87				
15	16QAM	36	20	18.98	18.91	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	19.00				
15	64QAM	1	37	18.82	18.91	18.80			20	2
15	64QAM	1	74	18.90	18.81	18.76				
15	64QAM	36	0	17.97	17.88	17.84				
15	64QAM	36	20	17.97	17.94	17.78			19	3
15	64QAM	36	39	17.88	17.79	17.78				
15	64QAM	75	0	18.03	17.85	17.79				
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1715	1732.5	1750				
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			21	1
10	QPSK	25	12	19.98	19.88	19.80				
10	QPSK	25	25	19.91	19.78	19.71				
10	QPSK	50	0	19.87	19.83	19.77			21	1
10	16QAM	1	0	20.13	20.27	20.18				
10	16QAM	1	25	20.09	20.04	19.96				
10	16QAM	1	49	20.02	19.88	19.79			20	2
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			20	2
10	64QAM	1	49	18.98	18.79	18.76				
10	64QAM	25	0	17.96	17.98	17.92				
10	64QAM	25	12	18.00	17.91	17.76			19	3
10	64QAM	25	25	17.87	17.86	17.83				
10	64QAM	50	0	17.93	17.85	17.83				
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1712.5	1732.5	1752.5				
5	QPSK	1	0	20.88	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			21	1
5	QPSK	12	7	19.97	19.87	19.77				
5	QPSK	12	13	19.87	19.79	19.76				
5	QPSK	25	0	19.83	19.91	19.77			21	1
5	16QAM	1	0	20.17	20.27	20.21				
5	16QAM	1	12	20.05	20.02	20.01				
5	16QAM	1	24	20.04	19.87	19.82			20	2
5	16QAM	12	0	18.91	18.92	18.83				
5	16QAM	12	7	18.98	18.89	18.80				
5	16QAM	12	13	18.86	18.79	18.77			20	2
5	16QAM	25	0	18.92	18.82	18.79				
5	64QAM	1	0	19.08	19.02	19.08				
5	64QAM	8	7	18.87	18.84	18.80			20	2
5	64QAM	1	24	18.84	18.80	18.82				
5	64QAM	12	0	17.98	18.00	17.85				
5	64QAM	12	7	18.03	17.94	17.84			19	3
5	64QAM	12	13	17.90	17.80	17.84				
5	64QAM	25	0	18.01	17.85	17.79				
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1711.5	1732.5	1753.5				
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			21	1
3	QPSK	8	4	19.89	19.82	19.72				
3	QPSK	8	7	19.90	19.85	19.70				
3	QPSK	15	0	19.93	19.88	19.79			21	1
3	16QAM	1	0	20.13	20.26	20.20				
3	16QAM	1	8	20.01	19.99	19.94				
3	16QAM	1	14	19.95	19.91	19.82			20	2
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	19.07	18.97	18.90			20	2
3	64QAM	1	14	18.90	18.84	18.84				
3	64QAM	8	0	17.92	18.01	17.89				
3	64QAM	8	4	18.02	17.85	17.80			19	3
3	64QAM	8	7	17.88	17.79	17.75				
3	64QAM	15	0	18.01	17.84	17.76				
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1710.7	1732.5	1754.3				
1.4	QPSK	1	0	20.91	20.82	20.88			22	0
1.4	QPSK	1	3	20.70	20.67	20.59				
1.4	QPSK	1	5	20.64	20.60	20.58				
1.4	QPSK	3	0	20.92	20.88	20.89			21	1
1.4	QPSK	3	1	20.61	20.66	20.64				
1.4	QPSK	3	2	20.66	20.62	20.58				
1.4	QPSK	6	0	19.87	19.85	19.78			21	1
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			20	2
1.4	16QAM	6	0	18.89	18.82	18.80				
1.4	64QAM	1	0	19.09	19.07	19.01				
1.4	64QAM	1	3	18.89	18.85	18.80			20	2
1.4	64QAM	1	5	18.92	18.85	18.80				
1.4	64QAM	3	0	18.94	18.94	18.89				
1.4	64QAM	3	1	18.90	18.83	18.82			19	3
1.4	64QAM	3	3	18.82	18.82	18.75				
1.4	64QAM	6	0	17.94	17.84	17.82				

Band 5_Ant 1 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				20450	20525	20600				
Frequency (MHz)				829	836.5	844				
10	QPSK	1	0	22.63	22.64	22.63			24	0
10	QPSK	1	25	22.54	22.64	22.59				
10	QPSK	1	49	22.61	22.60	22.61				
10	QPSK	1	73	21.76	21.76	21.82			23	1
10	QPSK	25	12	21.75	21.76	21.75				
10	QPSK	25	25	21.70	21.79	21.77				
10	QPSK	50	0	21.75	21.78	21.75			23	1
10	16QAM	1	0	21.98	22.01	22.02				
10	16QAM	1	25	21.97	22.05	21.95				
10	16QAM	1	49	22.01	22.09	21.94			22	2
10	16QAM	25	0	20.66	20.76	20.74				
10	16QAM	25	12	20.75	20.76	20.82				
10	16QAM	25	25	20.70	20.79	20.76			22	2
10	16QAM	50	0	20.84	20.72	20.74				
10	64QAM	1	0	20.63	20.83	20.92				
10	64QAM	1	25	20.72	20.93	20.93			21	3
10	64QAM	1	49	20.94	20.91	20.85				
10	64QAM	25	0	19.70	19.80	19.79				
10	64QAM	25	12	19.77	19.81	19.86			21	3
10	64QAM	25	25	19.76	19.82	19.80				
10	64QAM	50	0	19.77	19.78	19.74				
Channel				20425	20525	20525			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5				
5	QPSK	1	0	22.62	22.59	22.56			24	0
5	QPSK	1	12	22.49	22.60	22.50				
5	QPSK	1	24	22.60	22.51	22.56				
5	QPSK	12	0	21.70	21.75	21.81			23	1
5	QPSK	12	7	21.71	21.78	21.68				
5	QPSK	12	13	21.67	21.70	21.67				
5	QPSK	25	0	21.68	21.69	21.65			23	1
5	16QAM	1	0	21.94	21.96	21.93				
5	16QAM	1	12	21.97	22.06	21.89				
5	16QAM	1	24	21.95	22.02	21.89			22	2
5	16QAM	12	0	20.62	20.68	20.72				
5	16QAM	12	7	20.69	20.72	20.75				
5	16QAM	12	13	20.68	20.75	20.72			21	3
5	16QAM	25	0	20.71	20.70	20.69				
5	64QAM	1	0	20.83	20.79	20.86				
5	64QAM	1	12	20.74	20.78	20.82			22	2
5	64QAM	1	24	20.89	20.84	20.80				
5	64QAM	12	0	19.68	19.71	19.77				
5	64QAM	12	7	19.73	19.81	19.86			21	3
5	64QAM	12	13	19.70	19.76	19.70				
5	64QAM	25	0	19.76	19.77	19.66				
Channel				20415	20525	20635			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	847.5				
3	QPSK	1	0	22.53	22.62	22.60			24	0
3	QPSK	1	8	22.52	22.54	22.50				
3	QPSK	1	14	22.52	22.57	22.54				
3	QPSK	8	0	21.71	21.80	21.82			23	1
3	QPSK	8	4	21.68	21.76	21.74				
3	QPSK	8	7	21.65	21.68	21.78				
3	QPSK	15	0	21.65	21.72	21.75			23	1
3	16QAM	1	0	21.93	21.92	21.97				
3	16QAM	1	8	21.88	21.99	21.89				
3	16QAM	1	14	21.95	22.08	21.89			22	2
3	16QAM	8	0	20.58	20.68	20.68				
3	16QAM	8	4	20.70	20.69	20.72				
3	16QAM	8	7	20.63	20.69	20.71			22	2
3	16QAM	15	0	20.66	20.64	20.70				
3	64QAM	1	0	20.79	20.81	20.86				
3	64QAM	1	8	20.76	20.89	20.93			21	3
3	64QAM	1	14	20.86	20.88	20.75				
3	64QAM	8	0	19.65	19.75	19.72				
3	64QAM	8	4	19.67	19.75	19.86			21	3
3	64QAM	8	7	19.67	19.77	19.78				
3	64QAM	15	0	19.74	19.78	19.69				
Channel				20407	20525	20643			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3				
1.4	QPSK	1	0	22.62	22.63	22.61			24	0
1.4	QPSK	1	3	22.50	22.55	22.56				
1.4	QPSK	1	5	22.55	22.56	22.52				
1.4	QPSK	3	0	22.45	22.54	22.61			23	1
1.4	QPSK	3	1	22.55	22.56	22.53				
1.4	QPSK	3	3	22.43	22.57	22.58				
1.4	QPSK	6	0	22.15	22.16	22.06			23	1
1.4	16QAM	1	0	21.90	21.94	21.94				
1.4	16QAM	1	3	21.89	21.99	21.90				
1.4	16QAM	1	5	21.99	22.01	21.91			23	1
1.4	16QAM	3	0	21.62	21.67	21.64				
1.4	16QAM	3	1	21.67	21.75	21.81				
1.4	16QAM	3	3	21.62	21.70	21.75			22	2
1.4	16QAM	6	0	21.06	21.03	21.05				
1.4	64QAM	1	0	20.75	20.78	20.88				
1.4	64QAM	1	3	20.76	20.85	20.88			22	2
1.4	64QAM	1	5	20.89	20.86	20.79				
1.4	64QAM	3	0	20.63	20.74	20.79				
1.4	64QAM	3	1	20.70	20.75	20.81			21	3
1.4	64QAM	3	3	20.69	20.82	20.75				
1.4	64QAM	6	0	20.12	20.10	20.10				

Band 5_Ant2 DSI 2&4&6&8&3&5										
BW [MHz]	Modulation	RB Size	RB Offset	Power Level Ch. 1 Freq.	Power Level Ch. 2 Freq.	Power Level Ch. 3 Freq.	Time-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)							20450	20525	20600	
				629	636.5	644				
10	QPSK	1	0	21.77	21.97	21.80				
10	QPSK	1	25	21.73	21.81	21.73		23	0	
10	QPSK	1	49	21.74	21.87	21.77				
10	QPSK	25	0	20.78	20.78	20.92		22	1	
10	QPSK	25	12	20.87	20.92	20.89				
10	QPSK	25	25	20.85	20.93	20.95				
10	QPSK	50	0	20.87	20.92	20.83				
10	16QAM	1	0	21.07	21.17	21.17		22	1	
10	16QAM	1	25	21.07	21.18	21.21				
10	16QAM	1	49	21.18	21.28	21.15				
10	16QAM	25	0	19.75	19.92	19.87		21	2	
10	16QAM	25	12	19.87	19.94	19.97				
10	16QAM	25	25	19.84	19.96	19.98				
10	16QAM	50	0	19.85	19.85	19.93				
10	64QAM	1	0	19.98	20.00	20.09		21	2	
10	64QAM	1	25	20.00	20.10	20.11				
10	64QAM	1	49	20.03	20.15	20.07				
10	64QAM	25	0	18.79	18.95	18.91		20	3	
10	64QAM	25	12	18.89	18.97	19.05				
10	64QAM	25	25	18.88	18.99	19.00				
10	64QAM	50	0	18.91	18.93	18.95				
Channel							20425	20525	20625	
Frequency (MHz)							626.5	636.5	646.5	
5	QPSK	1	0	21.70	21.93	21.73		23	0	
5	QPSK	1	12	21.73	21.75	21.64				
5	QPSK	1	24	21.74	21.77	21.69				
5	QPSK	12	0	20.68	20.93	20.88		22	1	
5	QPSK	12	6	20.81	20.93	20.81				
5	QPSK	12	13	20.82	20.85	20.86				
5	QPSK	25	0	20.84	20.86	20.75				
5	16QAM	1	0	21.02	21.13	21.15		22	1	
5	16QAM	1	12	21.01	21.13	21.15				
5	16QAM	1	24	21.12	21.21	21.09				
5	16QAM	12	0	19.74	19.85	19.84		21	2	
5	16QAM	12	7	19.85	19.90	19.88				
5	16QAM	12	13	19.80	19.96	19.94				
5	16QAM	25	0	19.79	19.80	19.93		21	2	
5	64QAM	1	0	19.88	19.95	20.03		21	2	
5	64QAM	1	13	19.98	20.08	20.10				
5	64QAM	1	24	20.02	20.07	20.07				
5	64QAM	12	0	18.70	18.90	18.97		20	3	
5	64QAM	12	7	18.81	18.94	18.89				
5	64QAM	12	13	18.78	18.92	18.91				
5	64QAM	25	0	18.87	18.92	18.86				
Channel							20415	20525	20635	
Frequency (MHz)							625.5	636.5	647.5	
3	QPSK	1	0	21.74	21.89	21.73		23	0	
3	QPSK	1	8	21.73	21.77	21.64				
3	QPSK	1	14	21.70	21.84	21.69		22	1	
3	QPSK	8	4	20.74	20.88	20.89				
3	QPSK	8	4	20.80	20.91	20.81				
3	QPSK	8	7	20.81	20.98	20.93				
3	QPSK	15	0	20.79	20.93	20.73				
3	16QAM	1	0	20.99	21.17	21.15		22	1	
3	16QAM	1	8	20.99	21.12	21.21				
3	16QAM	1	14	21.13	21.22	21.09				
3	16QAM	8	0	19.67	19.85	19.79		21	2	
3	16QAM	8	4	19.83	19.91	19.90				
3	16QAM	8	7	19.80	19.89	19.97				
3	16QAM	15	0	19.81	19.91	19.93				
3	64QAM	1	0	19.92	19.95	19.99		21	2	
3	64QAM	1	8	19.96	20.04	20.07				
3	64QAM	1	14	20.01	20.07	20.07				
3	64QAM	8	0	18.73	18.95	18.93		20	3	
3	64QAM	8	4	18.87	18.96	19.01				
3	64QAM	8	7	18.82	18.90	18.95				
3	64QAM	15	0	18.81	18.84	18.86				
Channel							20407	20525	20643	
Frequency (MHz)							624.7	636.5	648.3	
1.4	QPSK	1	0	21.72	21.88	21.71		23	0	
1.4	QPSK	1	3	21.72	21.73	21.68				
1.4	QPSK	1	5	21.70	21.87	21.71				
1.4	QPSK	3	1	21.67	21.95	21.77				
1.4	QPSK	3	3	21.74	21.74	21.63		22	1	
1.4	QPSK	6	0	20.80	20.82	20.75				
1.4	16QAM	1	0	20.98	21.11	21.17		22	1	
1.4	16QAM	1	3	21.06	21.13	21.19				
1.4	16QAM	1	5	21.18	21.28	21.05		22	1	
1.4	16QAM	3	0	21.03	21.09	21.10				
1.4	16QAM	3	1	21.01	21.18	21.12				
1.4	16QAM	3	3	21.16	21.28	21.07		21	2	
1.4	16QAM	6	0	19.83	19.78	19.92				
1.4	64QAM	1	0	19.90	19.92	19.99				
1.4	64QAM	1	3	19.96	20.07	20.03				
1.4	64QAM	1	5	20.00	20.05	20.03		21	2	
1.4	64QAM	3	0	19.72	19.88	19.81				
1.4	64QAM	3	1	19.78	19.87	19.90				
1.4	64QAM	3	3	19.75	19.95	19.98				
1.4	64QAM	6	0	18.86	18.90	18.88		20	3	

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	2035	2060					
20	QPSK	1	0	22.86	23.22	23.03	24	0			
20	QPSK	1	49	22.84	23.20	23.01					
20	QPSK	1	99	22.80	23.10	22.98	23	1			
20	QPSK	50	0	22.05	22.28	22.19					
20	QPSK	50	24	22.01	22.27	22.16					
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					
20	16QAM	1	99	22.32	22.55	22.36					
20	16QAM	50	0	20.87	21.20	21.17	22	2			
20	16QAM	50	24	21.03	21.28	21.19					
20	16QAM	50	50	21.07	21.28	21.11					
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					
20	64QAM	50	0	19.97	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				Turn-up limit (dBm)	MPR (dB)
Channel				20025	21100	21375					
Frequency (MHz)				2007.5	2035	2062.5					
15	QPSK	1	0	22.76	23.19	23.03	24	0			
15	QPSK	1	37	22.76	23.20	22.93					
15	QPSK	1	74	22.78	23.08	22.94					
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					
15	16QAM	1	0	22.08	22.32	22.33					
15	16QAM	1	37	22.18	22.49	22.33	23	1			
15	16QAM	1	74	22.31	22.48	22.34					
15	16QAM	36	0	20.87	21.13	21.10					
15	16QAM	36	20	20.97	21.24	21.19					
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					
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	19.87	20.18	20.13					
15	64QAM	36	20	19.96	20.21	20.15					
15	64QAM	36	39	19.97	20.26	20.03					
15	64QAM	75	0	19.97	20.18	20.18	Turn-up limit (dBm)			MPR (dB)	
Channel				20000	21100	21400					
Frequency (MHz)				2005	2035	2065					
10	QPSK	1	0	22.84	23.19	23.00	24	0			
10	QPSK	1	25	22.74	23.10	22.98					
10	QPSK	1	49	22.72	23.03	22.90	23	1			
10	QPSK	25	0	22.02	22.19	22.16					
10	QPSK	25	12	21.96	22.22	22.07					
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					
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					
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					
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				Turn-up limit (dBm)	MPR (dB)
Channel				20075	21100	21425					
Frequency (MHz)				2002.5	2035	2067.5					
5	QPSK	1	0	22.86	23.20	23.03	24	0			
5	QPSK	1	12	22.83	23.10	22.96					
5	QPSK	1	24	22.72	23.10	22.93	23	1			
5	QPSK	12	0	22.02	22.22	22.12					
5	QPSK	12	7	21.98	22.27	22.15					
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					
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					
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					
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					

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				20650	21100	21350			
Frequency (MHz)				2100	2150	2160			
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				20625 <th>21100</th> <th>21375</th> <th>Turn-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	21100	21375	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2107.5	2150	2162.5			
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				20600	21100	21400	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				21050	2150	2165			
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	21	1	
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				20775	21100	21425	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				21052.5	2150	2167.5			
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	21	1	
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	19.10			
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				704	707.5	711	23	0	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	22.13	22.08	21.90	23	0	
10	QPSK	1	25	21.84	21.92	21.91			
10	QPSK	1	49	22.00	22.02	21.92	22	1	
10	QPSK	25	0	21.11	21.16	21.10			
10	QPSK	25	12	21.09	21.08	21.04	22	1	
10	QPSK	25	25	21.01	21.02	21.03			
10	QPSK	50	0	21.10	21.13	21.07	22	1	
10	16QAM	1	0	21.16	21.16	21.28			
10	16QAM	1	25	21.20	21.29	21.29	21	2	
10	16QAM	1	49	21.34	21.34	21.34			
10	16QAM	25	0	20.00	20.09	20.07	21	2	
10	16QAM	25	12	20.10	20.08	20.06			
10	16QAM	25	25	20.08	20.08	20.07	21	2	
10	16QAM	50	0	20.08	20.06	20.07			
10	64QAM	1	0	20.08	20.13	20.14	21	2	
10	64QAM	1	25	20.21	20.24	20.25			
10	64QAM	1	49	20.29	20.25	20.18	20	3	
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	20	3	
Channel				23035	23095	23165			
Frequency (MHz)				701.5	707.5	713.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	22.03	22.08	21.83	23	0	
5	QPSK	1	12	21.81	21.91	21.91			
5	QPSK	1	24	21.92	21.98	21.83	22	1	
5	QPSK	12	0	21.06	21.06	21.05			
5	QPSK	12	7	21.06	20.98	20.97	22	1	
5	QPSK	12	13	20.90	20.98	21.03			
5	QPSK	25	0	21.09	21.05	21.04	22	1	
5	16QAM	1	0	21.16	21.14	21.24			
5	16QAM	1	12	21.18	21.20	21.28	21	2	
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	21	2	
5	16QAM	25	0	20.08	20.05	20.03			
5	64QAM	1	0	19.99	20.11	20.05	21	2	
5	64QAM	1	12	20.10	20.17	20.20			
5	64QAM	1	24	20.19	20.19	20.12	20	3	
5	64QAM	12	0	19.01	19.02	19.00			
5	64QAM	12	7	19.09	19.05	19.11	20	3	
5	64QAM	12	13	19.09	19.17	19.07			
5	64QAM	25	0	19.13	19.03	19.00	20	3	
Channel				23025	23095	23165			
Frequency (MHz)				700.5	707.5	714.5	Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	21.99	21.98	21.85	23	0	
3	QPSK	1	8	21.75	21.89	21.88			
3	QPSK	1	14	22.00	21.94	21.90	22	1	
3	QPSK	8	0	21.11	21.14	21.01			
3	QPSK	8	4	21.03	21.03	20.99	22	1	
3	QPSK	8	7	21.00	21.01	20.98			
3	QPSK	16	0	21.06	21.09	21.03	22	1	
3	16QAM	1	0	21.08	21.12	21.19			
3	16QAM	1	8	21.20	21.25	21.26	21	2	
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	21	2	
3	16QAM	16	0	20.01	20.03	20.04			
3	64QAM	1	0	20.08	20.05	20.05	21	2	
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	20	3	
3	64QAM	8	7	18.99	19.13	19.06			
3	64QAM	16	0	19.10	19.10	19.01	20	3	
Channel				23017	23095	23173			
Frequency (MHz)				699.7	707.5	715.3	Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	22.05	22.04	21.90	23	0	
1.4	QPSK	1	3	21.81	21.83	21.82			
1.4	QPSK	1	5	21.98	21.98	21.85	22	1	
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	22	1	
1.4	16QAM	1	0	21.17	21.06	21.23			
1.4	16QAM	1	3	21.22	21.23	21.19	21	2	
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	21	2	
1.4	16QAM	6	0	20.04	20.06	19.98			
1.4	64QAM	1	0	19.99	20.04	20.10	21	2	
1.4	64QAM	1	3	20.20	20.24	20.23			
1.4	64QAM	1	5	20.24	20.21	20.16	20	3	
1.4	64QAM	3	0	18.97	19.04	19.03			
1.4	64QAM	3	1	19.06	19.05	19.08	20	3	
1.4	64QAM	3	3	19.02	19.16	19.08			
1.4	64QAM	6	0	19.03	19.07	19.05	20	3	

Band 13_Ant 1 DSI 2&4&6&3&5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				752			24	0	
Frequency (MHz)				752					
10	QPSK	1	0		22.43	22.32	24	0	
10	QPSK	1	25		22.32	22.27			
10	QPSK	1	49		22.27	22.27	23	1	
10	QPSK	25	0		21.52	21.52			
10	QPSK	25	12		21.48	21.48	23	1	
10	QPSK	25	25		21.48	21.48			
10	QPSK	50	0		21.52	21.52	23	1	
10	16QAM	1	0		21.82	21.82			
10	16QAM	1	25		21.76	21.76	22	2	
10	16QAM	1	49		21.68	21.68			
10	16QAM	25	0		20.52	20.52	22	2	
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	22	2	
10	64QAM	1	25		20.65	20.65			
10	64QAM	1	49		20.61	20.61	21	3	
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	22.42	24	0	
5	QPSK	1	12	22.26	22.27	22.28			
5	QPSK	1	24	22.27	22.27	22.22	23	1	
5	QPSK	12	0	21.51	21.48	21.47			
5	QPSK	12	7	21.43	21.42	21.42	23	1	
5	QPSK	12	13	21.48	21.48	21.46			
5	QPSK	25	0	21.52	21.43	21.52	23	1	
5	16QAM	1	0	21.78	21.77	21.80			
5	16QAM	1	12	21.72	21.71	21.68	23	1	
5	16QAM	1	24	21.67	21.64	21.60			
5	16QAM	12	0	20.42	20.50	20.52	22	2	
5	16QAM	12	7	20.41	20.42	20.45			
5	16QAM	12	13	20.47	20.46	20.48	22	2	
5	16QAM	25	0	20.40	20.42	20.37			
5	64QAM	1	0	20.64	20.66	20.69	22	2	
5	64QAM	1	12	20.55	20.54	20.56			
5	64QAM	1	24	20.51	20.45	20.55	21	3	
5	64QAM	12	0	19.51	19.51	19.48			
5	64QAM	12	7	19.50	19.49	19.44	21	3	
5	64QAM	12	13	19.49	19.47	19.45			
5	64QAM	25	0	19.55	19.51	19.47			

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 2848&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				26705	26815	26905			
Frequency (MHz)				811.5	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				26710	26865	26960	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	21.84			
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	20.70	20.71	20.68			
10	64QAM	25	12	19.61	19.72	19.75	21	3	
10	64QAM	25	25	19.77	19.76	19.79			
10	64QAM	50	0	19.61	19.65	19.64			
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	22.48	22.63	22.59	24	0	
5	QPSK	1	12	22.45	22.60	22.58			
5	QPSK	1	24	22.45	22.50	22.51			
5	QPSK	12	0	21.64	21.70	21.69	23	1	
5	QPSK	12	7	21.57	21.60	21.69			
5	QPSK	12	13	21.56	21.58	21.69			
5	QPSK	25	0	21.58	21.67	21.65	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	21.78	22	2	
5	16QAM	12	0	20.67	20.72	20.70			
5	16QAM	12	7	20.58	20.59	20.70			
5	16QAM	12	13	20.70	20.65	20.62	22	2	
5	16QAM	25	0	20.70	20.66	20.62			
5	64QAM	1	0	20.71	20.64	20.80			
5	64QAM	1	12	20.71	20.82	20.83	22	2	
5	64QAM	1	24	20.76	20.81	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	21.67	21.68			
3	QPSK	15	0	21.62	21.62	21.63	23	1	
3	16QAM	1	0	21.89	21.80	21.88			
3	16QAM	1	8	21.75	21.82	21.86			
3	16QAM	1	14	21.77	21.80	21.84	22	2	
3	16QAM	8	0	20.59	20.69	20.69			
3	16QAM	8	4	20.58	20.68	20.61			
3	16QAM	8	7	20.61	20.65	20.65	22	2	
3	16QAM	15	0	20.70	20.66	20.65			
3	64QAM	1	0	20.76	20.60	20.76			
3	64QAM	1	8	20.73	20.80	20.77	22	2	
3	64QAM	1	14	20.72	20.81	20.72			
3	64QAM	8	0	19.68	19.71	19.76			
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	22.21	22.55	22.52			
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	2	22.41	22.41	22.44			
1.4	QPSK	6	0	22.07	22.08	22.05	23	1	
1.4	16QAM	1	0	21.85	21.83	21.88			
1.4	16QAM	1	3	21.75	21.87	21.91			
1.4	16QAM	1	5	21.83	21.86	21.84	23	1	
1.4	16QAM	3	0	21.63	21.67	21.66			
1.4	16QAM	3	1	21.66	21.59	21.66			
1.4	16QAM	3	3	21.61	21.73	21.69	22	2	
1.4	16QAM	6	0	21.10	21.05	21.12			
1.4	64QAM	1	0	20.66	20.64	20.81			
1.4	64QAM	1	3	20.73	20.81	20.81	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 High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26705	26865	26965	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				811.5	831.5	841.5			
15	QPSK	1	0	21.70	21.71	21.75	23	0	
15	QPSK	1	37	21.59	21.70	21.75			
15	QPSK	1	74	21.62	21.62	21.66	22	1	
15	QPSK	36	0	20.78	20.82	20.86			
15	QPSK	36	20	20.74	20.76	20.83	22	1	
15	QPSK	36	39	20.75	20.78	20.86			
15	QPSK	75	0	20.71	20.73	20.85	22	1	
15	16QAM	1	0	21.06	20.95	21.07			
15	16QAM	1	37	20.93	21.01	21.07	22	1	
15	16QAM	1	74	21.00	20.98	20.97			
15	16QAM	36	0	19.77	19.79	19.92	21	2	
15	16QAM	36	20	19.80	19.82	19.83			
15	16QAM	36	39	19.86	19.87	19.88	21	2	
15	16QAM	75	0	19.83	19.83	19.88			
15	64QAM	1	0	19.87	19.79	19.96	21	2	
15	64QAM	1	37	19.82	19.92	19.97			
15	64QAM	1	74	19.92	20.02	19.85	20	3	
15	64QAM	36	0	18.82	18.81	18.93			
15	64QAM	36	20	18.86	18.89	18.90	20	3	
15	64QAM	36	39	18.89	18.90	18.96			
15	64QAM	75	0	18.84	18.83	18.92	21	2	
Channel				26740	26865	26960			
Frequency (MHz)				819	831.5	844	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	21.70	21.71	21.74	23	0	
10	QPSK	1	25	21.56	21.67	21.72			
10	QPSK	1	49	21.58	21.59	21.56	22	1	
10	QPSK	25	0	20.74	20.75	20.78			
10	QPSK	25	12	20.64	20.72	20.79	22	1	
10	QPSK	25	25	20.66	20.78	20.79			
10	QPSK	50	0	20.63	20.66	20.79	22	1	
10	16QAM	1	0	20.98	20.88	21.03			
10	16QAM	1	25	20.91	20.97	20.99	22	1	
10	16QAM	1	49	20.97	20.92	20.94			
10	16QAM	25	0	19.75	19.74	19.83	21	2	
10	16QAM	25	12	19.76	19.74	19.73			
10	16QAM	25	25	19.77	19.82	19.82	21	2	
10	16QAM	50	0	19.78	19.83	19.87			
10	64QAM	1	0	19.85	19.74	19.89	21	2	
10	64QAM	1	25	19.74	19.85	19.96			
10	64QAM	1	49	19.92	19.95	19.92	20	3	
10	64QAM	25	0	18.82	18.74	18.83			
10	64QAM	25	12	18.76	18.82	18.85	21	2	
10	64QAM	25	25	18.86	18.94	18.90			
10	64QAM	50	0	18.76	18.77	18.92	21	2	
Channel				26715	26865	27015			
Frequency (MHz)				816.5	831.5	846.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	21.62	21.64	21.76	23	0	
5	QPSK	1	12	21.52	21.66	21.66			
5	QPSK	1	24	21.57	21.61	21.59	22	1	
5	QPSK	12	0	20.75	20.79	20.84			
5	QPSK	12	7	20.64	20.72	20.83	22	1	
5	QPSK	12	13	20.69	20.72	20.80			
5	QPSK	25	0	20.62	20.63	20.81	22	1	
5	16QAM	1	0	20.98	20.95	21.04			
5	16QAM	1	12	20.86	20.96	21.07	22	1	
5	16QAM	1	24	20.90	20.94	20.93			
5	16QAM	12	0	19.72	19.78	19.91	21	2	
5	16QAM	12	7	19.75	19.80	19.83			
5	16QAM	12	13	19.84	19.80	19.86	21	2	
5	16QAM	25	0	19.78	19.73	19.78			
5	64QAM	1	0	19.77	19.72	19.87	21	2	
5	64QAM	1	12	19.77	19.80	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	Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	21.62	21.67	21.66	23	0	
3	QPSK	1	8	21.55	21.65	21.69			
3	QPSK	1	16	21.61	21.53	21.64	22	1	
3	QPSK	8	0	20.76	20.78	20.86			
3	QPSK	8	4	20.64	20.72	20.73	22	1	
3	QPSK	8	7	20.67	20.74	20.86			
3	QPSK	15	0	20.64	20.70	20.85	22	1	
3	16QAM	1	0	20.99	20.93	21.02			
3	16QAM	1	8	20.86	20.97	20.99	22	1	
3	16QAM	1	14	20.99	20.96	20.93			
3	16QAM	8	0	19.74	19.75	19.82	21	2	
3	16QAM	8	4	19.71	19.72	19.73			
3	16QAM	8	7	19.77	19.83	19.82	21	2	
3	16QAM	15	0	19.79	19.83	19.83			
3	64QAM	1	0	19.83	19.79	19.89	21	2	
3	64QAM	1	8	19.72	19.84	19.92			
3	64QAM	1	14	19.87	19.96	19.75	20	3	
3	64QAM	8	0	18.78	18.74	18.84			
3	64QAM	8	4	18.78	18.86	18.83	20	3	
3	64QAM	8	7	18.83	18.90	18.93			
3	64QAM	15	0	18.80	18.73	18.90	21	2	
Channel				26997	26865	27033			
Frequency (MHz)				814.7	831.5	848.3	Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	21.64	21.71	21.68	23	0	
1.4	QPSK	1	3	21.51	21.66	21.65			
1.4	QPSK	1	5	21.52	21.60	21.65	22	1	
1.4	QPSK	3	0	21.61	21.69	21.75			
1.4	QPSK	3	1	21.58	21.66	21.65	22	1	
1.4	QPSK	3	3	21.60	21.53	21.66			
1.4	QPSK	6	0	20.64	20.72	20.83	22	1	
1.4	16QAM	1	0	21.01	20.85	21.04			
1.4	16QAM	1	3	20.84	20.91	21.04	22	1	
1.4	16QAM	1	5	20.94	20.95	21.02			
1.4	16QAM	3	0	21.04	20.95	21.02	22	1	
1.4	16QAM	3	1	20.87	20.95	21.03			
1.4	16QAM	3	3	20.91	20.92	20.87	21	2	
1.4	16QAM	6	0	19.74	19.83	19.80			
1.4	64QAM	1	0	19.83	19.75	19.94	21	2	
1.4	64QAM	1	3	19.79	19.89	19.97			
1.4	64QAM	1	5	19.88	19.96	19.78	21	2	
1.4	64QAM	3	0	19.75	19.77	19.89			
1.4	64QAM	3	1	19.76	19.78	19.80	20	3	
1.4	64QAM	3	3	19.85	19.78	19.85			
1.4	64QAM	6	0	18.82	18.83	18.88	20	3	

Band 66_Ant 1 DSI 2&4&6&8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				13012	13022	13072	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	22.88	22.87	22.82	24	0	
20	QPSK	1	49	22.76	22.71	22.69			
20	QPSK	1	99	22.68	22.62	22.54	23	1	
20	QPSK	50	0	21.99	21.89	21.81			
20	QPSK	50	24	21.94	21.84	21.79			
20	QPSK	50	50	21.91	21.86	21.79			
20	QPSK	100	0	21.96	21.78	21.79	23	1	
20	16QAM	1	0	22.23	22.19	22.15			
20	16QAM	1	49	22.19	22.14	22.10			
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			
20	16QAM	100	0	20.95	20.79	20.81			
20	64QAM	1	0	21.07	21.05	21.14	22	2	
20	64QAM	1	49	21.02	21.00	20.99			
20	64QAM	1	99	20.97	20.88	20.89			
20	64QAM	50	0	19.98	19.82	19.86			
20	64QAM	50	24	20.00	19.87	19.84	21	3	
20	64QAM	50	50	19.96	19.86	19.82			
20	64QAM	100	0	20.01	19.83	19.81			
Channel				130147	130222	130597			
Frequency (MHz)				1715	1745	1772.5	24	0	
15	QPSK	1	0	22.86	22.81	22.73			
15	QPSK	1	37	22.74	22.63	22.69	23	1	
15	QPSK	1	74	22.67	22.66	22.50			
15	QPSK	36	0	21.95	21.81	21.80			
15	QPSK	36	20	21.88	21.80	21.78			
15	QPSK	36	39	21.91	21.81	21.79	23	1	
15	QPSK	75	0	21.96	21.85	21.78			
15	16QAM	1	0	22.13	22.15	22.07			
15	16QAM	1	37	22.16	21.97	22.00			
15	16QAM	1	74	22.04	21.88	21.96	23	1	
15	16QAM	36	0	20.91	20.86	20.80			
15	16QAM	36	20	20.93	20.84	20.73			
15	16QAM	36	39	20.90	20.83	20.81			
15	16QAM	75	0	21.05	20.72	20.73	22	2	
15	64QAM	1	0	20.90	20.96	21.12			
15	64QAM	1	37	20.84	20.92	20.96			
15	64QAM	1	74	20.88	20.83	20.79			
15	64QAM	36	0	19.93	19.82	19.84	22	2	
15	64QAM	36	20	19.92	19.83	19.77			
15	64QAM	36	39	19.94	19.88	19.81			
15	64QAM	75	0	19.96	19.78	19.80			
Channel				130022	130222	130622	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	24	0	
10	QPSK	1	0	22.86	22.83	22.72			
10	QPSK	1	25	22.76	22.63	22.68	23	1	
10	QPSK	1	49	22.61	22.67	22.51			
10	QPSK	25	0	21.99	21.85	21.71			
10	QPSK	25	19	21.94	21.86	21.78			
10	QPSK	25	25	21.83	21.81	21.78	23	1	
10	QPSK	50	0	21.91	21.77	21.79			
10	16QAM	1	0	22.22	22.15	22.12			
10	16QAM	1	25	22.12	22.03	21.98			
10	16QAM	1	49	22.09	21.93	21.98	23	1	
10	16QAM	25	0	20.85	20.87	20.85			
10	16QAM	25	12	20.98	20.78	20.82			
10	16QAM	25	25	20.84	20.81	20.78			
10	16QAM	50	0	20.94	20.82	20.75	22	2	
10	64QAM	1	0	21.00	21.01	21.09			
10	64QAM	1	25	20.93	20.94	20.92			
10	64QAM	1	49	20.87	20.85	20.82			
10	64QAM	25	0	19.97	19.86	19.80	21	3	
10	64QAM	25	12	20.00	19.77	19.81			
10	64QAM	25	25	19.87	19.84	19.79			
10	64QAM	50	0	19.93	19.77	19.75			
Channel				131997	132222	132647	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	24	0	
5	QPSK	1	0	22.78	22.82	22.81			
5	QPSK	1	12	22.72	22.65	22.85	23	1	
5	QPSK	15	25	22.65	22.68	22.47			
5	QPSK	12	0	21.90	21.89	21.78			
5	QPSK	12	7	21.91	21.81	21.70			
5	QPSK	12	13	21.85	21.77	21.74	23	1	
5	QPSK	25	0	21.95	21.76	21.78			
5	16QAM	1	0	22.14	22.16	22.15			
5	16QAM	1	12	22.13	21.96	22.05			
5	16QAM	1	24	22.09	21.96	21.96	23	1	
5	16QAM	12	0	20.84	20.83	20.82			
5	16QAM	12	14	20.86	20.82	20.73			
5	16QAM	12	13	20.88	20.86	20.81			
5	16QAM	25	0	20.95	20.77	20.77	22	2	
5	64QAM	1	0	20.99	20.98	21.05			
5	64QAM	1	12	20.93	21.00	20.91			
5	64QAM	1	24	20.88	20.82	20.87			
5	64QAM	12	0	19.89	19.86	19.88	21	3	
5	64QAM	12	7	19.93	19.86	19.79			
5	64QAM	12	13	19.94	19.85	19.79			
5	64QAM	25	0	19.93	19.80	19.79			
Channel				131987	132222	132657	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1745	1773.5	24	0	
3	QPSK	1	0	22.87	22.82	22.73			
3	QPSK	1	8	22.65	22.63	22.61	23	1	
3	QPSK	1	14	22.58	22.66	22.46			
3	QPSK	8	0	21.96	21.80	21.73			
3	QPSK	8	4	21.93	21.74	21.69			
3	QPSK	8	7	21.91	21.82	21.71	23	1	
3	QPSK	15	0	21.96	21.74	21.72			
3	16QAM	1	0	22.14	22.16	22.07			
3	16QAM	1	8	22.16	21.97	22.02			
3	16QAM	12	14	22.09	21.93	21.97	23	1	
3	16QAM	8	0	20.92	20.87	20.76			
3	16QAM	8	4	20.92	20.80	20.73			
3	16QAM	8	7	20.86	20.83	20.75			
3	16QAM	15	0	20.94	20.74	20.75	22	2	
3	64QAM	1	0	21.05	20.97	21.13			
3	64QAM	1	8	20.95	20.96	20.93			
3	64QAM	1	14	20.87	20.87	20.84			
3	64QAM	8	0	19.91	19.87	19.89	21	3	
3	64QAM	8	5	20.00	19.79	19.82			
3	64QAM	8	7	19.87	19.81	19.73			
3	64QAM	15	0	19.97	19.77	19.77			
Channel				131979	132222	132665	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1744	1779.3	24	0	
1.4	QPSK	1	0	22.78	22.85	22.78			
1.4	QPSK	1	3	22.72	22.62	22.67	23	1	
1.4	QPSK	1	5	22.62	22.62	22.54			
1.4	QPSK	3	0	22.74	22.68	22.59			
1.4	QPSK	3	1	22.68	22.55	22.52			
1.4	QPSK	3	3	22.68	22.60	22.50	23	1	
1.4	QPSK	6	0	22.29	22.12	22.16			
1.4	16QAM	1	0	22.13	22.09	21.97			
1.4	16QAM	1	3	22.18	21.98	21.95			
1.4	16QAM	1	5	22.03	21.92	21.92	23	1	
1.4	16QAM	3	0	21.89	21.88	21.82			
1.4	16QAM	3	1	21.95	21.81	21.73			
1.4	16QAM	3	3	21.84	21.77	21.78			
1.4	16QAM	6	0	21.29	21.09	21.21	22	2	
1.4	64QAM	1	0	21.00	21.04	21.04			
1.4	64QAM	1	3	20.95	20.96	20.93			
1.4	64QAM	1	5	20.96	20.92	20.88			
1.4	64QAM	3	0	20.89	20.87	20.79	22	2	
1.4	64QAM	3	1	20.92	20.80	20.84			
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 Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				130702	130722	130752				
				1720	1745	1770				
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	20.20	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)				132047	132222	132597	Tune-up limit (dBm)	MPR (dB)		
				1717.5	1745	1772.5				
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	18.99	18.86	18.85				
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	19	3		
Channel										
Frequency (MHz)				132022	132222	132622	Tune-up limit (dBm)	MPR (dB)		
				1715	1745	1775				
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	18.85	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	19	3		
Channel										
Frequency (MHz)				131997	132222	132647	Tune-up limit (dBm)	MPR (dB)		
				1712.5	1745	1777.5				
5	QPSK	1	0	20.86	20.79	20.68	22	0		
5	QPSK	1	12	20.78	20.67	20.57				
5	QPSK	1	24	20.71	20.67	20.52				
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	19	3		
Channel										
Frequency (MHz)				131987	132222	132687	Tune-up limit (dBm)	MPR (dB)		
				1711.5	1745	1778.5				
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	19.07				
3	64QAM	1	8	18.98	18.89	18.77				
3	64QAM	1	14	18.94	18.82	18.74	20	2		
3	64QAM	8	0	17.96	17.86	17.83				
3	64QAM	8	4	18.05	17.96	17.83				
3	64QAM	8	7	17.92	17.80	17.67				
3	64QAM	15	0	18.00	17.77	17.69	19	3		
Channel										
Frequency (MHz)				131979	132222	132663	Tune-up limit (dBm)	MPR (dB)		
				1710.7	1745	1779.3				
1.4	QPSK	1	0	20.88	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	17.76	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				

Model 10, April 2025									
AP	Model	ES	ES (alt)	Power Q2 (75%)	Power Q3 (75%)	Power Q4 (75%)	Calculated (AP)	Score (AP)	Notes
Frequency (AP)									
10	AP10	1	0	23.57	23.45	23.70			
10	AP10	1	0.5	23.83	23.80	23.75	23	0	
10	AP10	1	1	23.91	23.77	23.70			
10	AP10	0.5	0	23.55	23.50	23.50			
10	AP10	0.5	0.5	23.77	23.68	23.70	23	1	
10	AP10	0.5	1	23.70	23.67	23.68			
10	AP10	1	0.5	23.70	23.68	23.70			
10	AP10	1	1	23.83	23.74	23.75	23	1	
10	AP10	1	1.5	23.78	23.69	23.70			
10	AP10	1	1.5	23.88	23.63	23.65			
10	AP10	0.5	1	23.76	23.73	23.75	23		
10	AP10	0.5	1.5	23.74	23.72	23.73			
10	AP10	1	1.5	23.76	23.72	23.73			
10	AP10	1	1.5	23.88	23.67	23.67			
10	AP10	0.5	1	23.76	23.73	23.75			
10	AP10	0.5	1.5	23.74	23.72	23.73	23	1	
10	AP10	1	1.5	23.88	23.67	23.67			
Frequency (APC)									
10	AP10	1	0	23.57	23.79	23.79			
10	AP10	1	0.5	23.79	23.79	23.79	24	0	
10	AP10	1	1	23.79	23.80	23.79			
10	AP10	0.5	0	23.57	23.58	23.58			
10	AP10	0.5	0.5	23.77	23.67	23.70	23	1	
10	AP10	0.5	1	23.70	23.68	23.68			
10	AP10	0.5	1	23.70	23.68	23.68			
10	AP10	1	0.5	23.70	23.68	23.70			
10	AP10	1	1	23.83	23.74	23.75	23	1	
10	AP10	1	1.5	23.78	23.69	23.70			
10	AP10	1	1.5	23.88	23.63	23.65			
10	AP10	0.5	1	23.76	23.73	23.75	23		
10	AP10	0.5	1.5	23.74	23.72	23.73			
10	AP10	1	1.5	23.88	23.67	23.67			
10	AP10	1	1.5	23.88	23.67	23.67			
10	AP10	0.5	1	23.76	23.73	23.75			
10	AP10	0.5	1.5	23.74	23.72	23.73	23	1	
10	AP10	1	1.5	23.88	23.67	23.67			
Frequency (APC)									
10	AP10	1	0	23.57	23.79	23.79			
10	AP10	1	0.5	23.79	23.79	23.79	24	0	
10	AP10	1	1	23.79	23.80	23.79			
10	AP10	0.5	0	23.57	23.58	23.58			
10	AP10	0.5	0.5	23.77	23.67	23.70	23	1	
10	AP10	0.5	1	23.70	23.68	23.68			
10	AP10	0.5	1	23.70	23.68	23.68			
10	AP10	1	0.5	23.70	23.68	23.70			
10	AP10	1	1	23.83	23.74	23.75	23	1	
10	AP10	1	1.5	23.78	23.69	23.70			
10	AP10	1	1.5	23.88	23.63	23.65			
10	AP10	0.5	1	23.76	23.73	23.75	23		
10	AP10	0.5	1.5	23.74	23.72	23.73			
10	AP10	1	1.5	23.88	23.67	23.67			
10	AP10	1	1.5	23.88	23.67	23.67			
10	AP10	0.5	1	23.76	23.73	23.75			
10	AP10	0.5	1.5	23.74	23.72	23.73	23	1	
10	AP10	1	1.5	23.88	23.67	23.67			

Model H, And 200-2000									
SP type	Mass range	SB size	SB offset	Power law C ₀ (10%)	Power law C ₀ (50%)	Power law C ₀ (90%)	Clustering index	SP type	SP type
Probability Range									
SP	100-150	1	0	21.55	20.75	20.00			
SP	100-150	1	100	20.90	20.75	20.40			0
SP	100-150	1	200	21.15	20.75	20.40			
SP	100-150	1	300	21.00	20.60	20.40			
SP	100-150	1	400	20.80	20.40	20.40			21
SP	100-150	1	500	20.60	20.30	20.20			
SP	100-150	1	600	20.40	20.20	20.20			
SP	100-150	1	700	20.20	20.00	20.20			21
SP	100-150	1	800	20.00	19.80	20.00			
SP	100-150	1	900	19.80	19.60	19.80			20
SP	100-150	1	1000	19.60	19.40	19.60			
SP	100-150	1	1100	19.40	19.20	19.40			
SP	100-150	1	1200	19.20	19.00	19.20			20
SP	100-150	1	1300	19.00	18.80	19.00			
SP	100-150	1	1400	18.80	18.60	18.80			20
SP	100-150	1	1500	18.60	18.40	18.60			
SP	100-150	1	1600	18.40	18.20	18.40			20
SP	100-150	1	1700	18.20	18.00	18.20			
SP	100-150	1	1800	18.00	17.80	18.00			20
SP	100-150	1	1900	17.80	17.60	17.80			
SP	100-150	1	2000	17.60	17.40	17.60			10
SP	100-150	1	2100	17.40	17.20	17.40			
Probability Range									
SP	150-200	1	0	20.90	20.00	20.10			
SP	150-200	1	100	20.40	20.00	20.10			20
SP	150-200	1	200	20.70	20.10	20.10			
SP	150-200	1	300	20.50	20.00	20.10			
SP	150-200	1	400	20.30	19.90	20.10			21
SP	150-200	1	500	20.10	19.70	19.90			
SP	150-200	1	600	19.90	19.50	19.70			
SP	150-200	1	700	19.70	19.30	19.50			21
SP	150-200	1	800	19.50	19.10	19.30			
SP	150-200	1	900	19.30	18.90	19.10			21
SP	150-200	1	1000	19.10	18.70	18.90			
SP	150-200	1	1100	18.90	18.50	18.70			20
SP	150-200	1	1200	18.70	18.30	18.50			
SP	150-200	1	1300	18.50	18.10	18.30			20
SP	150-200	1	1400	18.30	17.90	18.10			
SP	150-200	1	1500	18.10	17.70	17.90			20
SP	150-200	1	1600	17.90	17.50	17.70			
SP	150-200	1	1700	17.70	17.30	17.50			20
SP	150-200	1	1800	17.50	17.10	17.30			
SP	150-200	1	1900	17.30	16.90	17.10			10
SP	150-200	1	2000	17.10	16.70	16.90			
Probability Range									
SP	200-250	1	0	20.40	20.00	20.10			
SP	200-250	1	100	20.00	20.00	20.10			20

Market Data - Q3 2023									
Asset Class	Marketcap	Vol. (M)	52-Week High	52-Week Low	Current Price (USD)	Price Change (%)	Volume (M)	Price Change (%)	Price Change (USD)
Equity	Financial (Mkt)								
	SPY	1.2T	450.15	380.20	445.50	+0.8%	23.5M	+0.5%	+1.90
	QQQ	850M	420.80	350.10	415.20	+1.2%	18.2M	+0.8%	+5.00
	DIA	720M	380.50	310.00	375.10	+0.5%	15.1M	+0.3%	+1.80
	IWM	680M	220.30	180.50	215.70	+0.7%	12.5M	+0.4%	+1.50
	VTI	1.1T	400.00	330.00	395.00	+0.6%	20.0M	+0.4%	+2.30
	VOX	550M	350.00	280.00	345.00	+0.9%	10.0M	+0.6%	+3.00
	VEA	480M	300.00	240.00	295.00	+0.4%	9.0M	+0.2%	+1.20
	VWO	420M	250.00	200.00	245.00	+0.3%	8.0M	+0.1%	+0.90
	VWOB	380M	200.00	160.00	195.00	+0.2%	7.0M	+0.1%	+0.70
Equity	Technology (Mkt)								
	QQQ	850M	420.80	350.10	415.20	+1.2%	18.2M	+0.8%	+5.00
	XLK	700M	380.00	310.00	375.00	+1.0%	15.0M	+0.7%	+4.50
	SOXX	550M	350.00	280.00	345.00	+1.5%	10.0M	+1.0%	+7.50
	TECL	480M	300.00	240.00	295.00	+1.1%	9.0M	+0.9%	+6.00
	WCLD	420M	250.00	200.00	245.00	+1.3%	8.0M	+1.1%	+8.00
	WCLD	380M	200.00	160.00	195.00	+1.4%	7.0M	+1.2%	+9.00
	WCLD	340M	180.00	140.00	175.00	+1.6%	6.0M	+1.4%	+10.00
	WCLD	300M	160.00	120.00	155.00	+1.8%	5.0M	+1.6%	+11.00
	WCLD	260M	140.00	100.00	135.00	+2.0%	4.0M	+1.8%	+12.00
Equity	Fixed Income (Mkt)								
	TLT	1.5T	180.00	150.00	175.00	+0.5%	25.0M	+0.3%	+0.90
	AGG	1.2T	160.00	130.00	155.00	+0.4%	20.0M	+0.2%	+0.80
	HYG	800M	140.00	110.00	135.00	+0.6%	15.0M	+0.4%	+1.00
	IGT	600M	120.00	90.00	115.00	+0.7%	10.0M	+0.5%	+1.10
	IGT	500M	100.00	70.00	95.00	+0.8%	8.0M	+0.6%	+1.20
	IGT	400M	80.00	50.00	75.00	+0.9%	6.0M	+0.7%	+1.30
	IGT	300M	60.00	30.00	55.00	+1.0%	4.0M	+0.8%	+1.40
	IGT	200M	40.00	20.00	35.00	+1.1%	3.0M	+0.9%	+1.50
	IGT	100M	20.00	10.00	15.00	+1.2%	1.5M	+1.0%	+1.60
Equity	Commodity (Mkt)								
	USO	1.8T	220.00	180.00	215.00	+0.8%	28.0M	+0.6%	+1.40
	UWT	1.5T	190.00	150.00	185.00	+0.7%	25.0M	+0.5%	+1.30
	UPL	1.2T	160.00	120.00	155.00	+0.6%	20.0M	+0.4%	+1.20
	UPL	1.0T	140.00	100.00	135.00	+0.5%	18.0M	+0.3%	+1.10
	UPL	800M	120.00	80.00	115.00	+0.4%	15.0M	+0.2%	+1.00
	UPL	600M	100.00	60.00	95.00	+0.3%	10.0M	+0.1%	+0.90
	UPL	400M	80.00	40.00	75.00	+0.2%	8.0M	+0.1%	+0.80
	UPL	200M	40.00	20.00	35.00	+0.1%	4.0M	+0.0%	+0.70
	UPL	100M	20.00	10.00	15.00	+0.0%	2.0M	+0.0%	+0.60
Equity	Special Dividend (Mkt)								
	SPD	1.0T	100.00	80.00	95.00	+0.5%	10.0M	+0.3%	+0.50
	SPD	800M	80.00	60.00	75.00	+0.4%	8.0M	+0.2%	+0.40
	SPD	600M	60.00	40.00	55.00	+0.3%	6.0M	+0.1%	+0.30
	SPD	400M	40.00	20.00	35.00	+0.2%	4.0M	+0.1%	+0.20
	SPD	200M	20.00	10.00	15.00	+0.1%	2.0M	+0.0%	+0.10
	SPD	100M	10.00	5.00	7.50	+0.0%	1.0M	+0.0%	+0.05
	SPD	50M	5.00	2.50	3.75	+0.0%	0.5M	+0.0%	+0.02
	SPD	25M	2.50	1.25	1.87	+0.0%	0.25M	+0.0%	+0.01
	SPD	12.5M	1.25	0.62	0.93	+0.0%	0.125M	+0.0%	+0.005

Report ID: REP-2024-001										
ID	Section	Sub ID	Alt Ref	Start Date	End Date	Start Date	End Date	Start Date	End Date	Overall Status
Division A										
01	Frequency (MHz)	A		2023-01-01	2023-01-05	2023-01-06	2023-01-10	2023-01-11	2023-01-15	DIV A
		01A	001	2023-01-01	2023-01-03	2023-01-04	2023-01-08	2023-01-09	2023-01-13	
		01A	002	2023-01-02	2023-01-04	2023-01-05	2023-01-07	2023-01-08	2023-01-12	
		01A	003	2023-01-03	2023-01-05	2023-01-06	2023-01-09	2023-01-10	2023-01-14	
		01A	004	2023-01-04	2023-01-06	2023-01-07	2023-01-10	2023-01-11	2023-01-15	
02	Frequency (MHz)	B		2023-01-06	2023-01-10	2023-01-11	2023-01-15	2023-01-16	2023-01-20	DIV B
		02B	001	2023-01-06	2023-01-08	2023-01-09	2023-01-13	2023-01-14	2023-01-18	
		02B	002	2023-01-07	2023-01-09	2023-01-10	2023-01-14	2023-01-15	2023-01-19	
		02B	003	2023-01-08	2023-01-10	2023-01-11	2023-01-15	2023-01-16	2023-01-20	
		02B	004	2023-01-09	2023-01-11	2023-01-12	2023-01-16	2023-01-17	2023-01-21	
03	Frequency (MHz)	C		2023-01-11	2023-01-15	2023-01-16	2023-01-20	2023-01-21	2023-01-25	DIV C
		03C	001	2023-01-11	2023-01-13	2023-01-14	2023-01-18	2023-01-19	2023-01-23	
		03C	002	2023-01-12	2023-01-14	2023-01-15	2023-01-19	2023-01-20	2023-01-24	
		03C	003	2023-01-13	2023-01-15	2023-01-16	2023-01-20	2023-01-21	2023-01-25	
		03C	004	2023-01-14	2023-01-16	2023-01-17	2023-01-21	2023-01-22	2023-01-26	
04	Frequency (MHz)	D		2023-01-16	2023-01-20	2023-01-21	2023-01-25	2023-01-26	2023-01-30	DIV D
		04D	001	2023-01-16	2023-01-18	2023-01-19	2023-01-23	2023-01-24	2023-01-28	
		04D	002	2023-01-17	2023-01-19	2023-01-20	2023-01-24	2023-01-25	2023-01-29	
		04D	003	2023-01-18	2023-01-20	2023-01-21	2023-01-25	2023-01-26	2023-01-30	
		04D	004	2023-01-19	2023-01-21	2023-01-22	2023-01-26	2023-01-27	2023-01-31	
05	Frequency (MHz)	E		2023-01-21	2023-01-25	2023-01-26	2023-01-30	2023-01-31	2023-02-04	DIV E
		05E	001	2023-01-21	2023-01-23	2023-01-24	2023-01-28	2023-01-29	2023-02-03	
		05E	002	2023-01-22	2023-01-24	2023-01-25	2023-01-29	2023-01-30	2023-02-04	
		05E	003	2023-01-23	2023-01-25	2023-01-26	2023-01-30	2023-01-31	2023-02-05	
		05E	004	2023-01-24	2023-01-26	2023-01-27	2023-01-31	2023-02-01	2023-02-06	
06	Frequency (MHz)	F		2023-01-26	2023-01-30	2023-01-31	2023-02-04	2023-02-05	2023-02-09	DIV F
		06F	001	2023-01-26	2023-01-28	2023-01-29	2023-02-03	2023-02-04	2023-02-08	
		06F	002	2023-01-27	2023-01-29	2023-01-30	2023-02-04	2023-02-05	2023-02-09	
Division B										
07	Frequency (MHz)	G		2023-02-01	2023-02-05	2023-02-06	2023-02-10	2023-02-11	2023-02-15	DIV G
		07G	001	2023-02-01	2023-02-03	2023-02-04	2023-02-08	2023-02-09	2023-02-13	
		07G	002	2023-02-02	2023-02-04	2023-02-05	2023-02-07	2023-02-08	2023-02-12	
		07G	003	2023-02-03	2023-02-05	2023-02-06	2023-02-09	2023-02-10	2023-02-14	
		07G	004	2023-02-04	2023-02-06	2023-02-07	2023-02-10	2023-02-11	2023-02-15	
08	Frequency (MHz)	H		2023-02-06	2023-02-10	2023-02-11	2023-02-15	2023-02-16	2023-02-20	DIV H
		08H	001	2023-02-06	2023-02-08	2023-02-09	2023-02-13	2023-02-14	2023-02-18	
		08H	002	2023-02-07	2023-02-09	2023-02-10	2023-02-14	2023-02-15	2023-02-19	
		08H	003	2023-02-08	2023-02-10	2023-02-11	2023-02-15	2023-02-16	2023-02-20	
		08H	004	2023-02-09	2023-02-11	2023-02-12	2023-02-16	2023-02-17	2023-02-21	
09	Frequency (MHz)	I		2023-02-11	2023-02-15	2023-02-16	2023-02-20	2023-02-21	2023-02-25	DIV I
		09I	001	2023-02-11	2023-02-13	2023-02-14	2023-02-18	2023-02-19	2023-02-23	
		09I	002	2023-02-12	2023-02-14	2023-02-15	2023-02-19	2023-02-20	2023-02-24	
		09I	003	2023-02-13	2023-02-15	2023-02-16	2023-02-20	2023-02-21	2023-02-25	
		09I	004	2023-02-14	2023-02-16	2023-02-17	2023-02-21	2023-02-22	2023-02-26	
10	Frequency (MHz)	J		2023-02-16	2023-02-20	2023-02-21	2023-02-25	2023-02-26	2023-03-01	DIV J
		10J	001	2023-02-16	2023-02-18	2023-02-19	2023-02-23	2023-02-24	2023-02-28	
		10J	002	2023-02-17	2023-02-19	2023-02-20	2023-02-24	2023-02-25	2023-02-29	
		10J	003	2023-02-18	2023-02-20	2023-02-21	2023-02-25	2023-02-26	2023-03-01	
		10J	004	2023-02-19	2023-02-21	2023-02-22	2023-02-26	2023-02-27	2023-03-02	
11	Frequency (MHz)	K		2023-02-21	2023-02-25	2023-02-26	2023-03-01	2023-03-02	2023-03-06	DIV K
		11K	001	2023-02-21	2023-02-23	2023-02-24	2023-02-28	2023-02-29	2023-03-05	
		11K	002	2023-02-22	2023-02-24	2023-02-25	2023-02-29	2023-03-01	2023-03-06	
Division C										
12	Frequency (MHz)	L		2023-02-26	2023-03-01	2023-03-02	2023-03-06	2023-03-07	2023-03-11	DIV L
		12L	001	2023-02-26	2023-02-28	2023-02-29	2023-03-05	2023-03-06	2023-03-10	
		12L	002	2023-02-27	2023-02-29	2023-03-01	2023-03-05	2023-03-06	2023-03-11	
		12L	003	2023-02-28	2023-03-01	2023-03-02	2023-03-06	2023-03-07	2023-03-12	
		12L	004	2023-02-29	2023-03-02	2023-03-03	2023-03-07	2023-03-08	2023-03-13	
13	Frequency (MHz)	M		2023-03-01	2023-03-05	2023-03-06	2023-03-10	2023-03-11	2023-03-15	DIV M
		13M	001	2023-03-01	2023-03-03	2023-03-04	2023-03-09	2023-03-10	2023-03-14	
		13M	002	2023-03-02	2023-03-04	2023-03-05	2023-03-09	2023-03-10	2023-03-15	
		13M	003	2023-03-03	2023-03-05	2023-03-06	2023-03-10	2023-03-11	2023-03-16	
		13M	004	2023-03-04	2023-03-06	2023-03-07	2023-03-11	2023-03-12	2023-03-17	
14	Frequency (MHz)	N		2023-03-06	2023-03-10	2023-03-11	2023-03-15	2023-03-16	2023-03-20	DIV N
		14N	001	2023-03-06	2023-03-08	2023-03-09	2023-03-14	2023-03-15	2023-03-19	
		14N	002	2023-03-07	2023-03-09	2023-03-10	2023-03-14	2023-03-15	2023-03-20	
		14N	003	2023-03-08	2023-03-10	2023-03-11	2023-03-15	2023-03-16	2023-03-21	
		14N	004	2023-03-09	2023-03-11	2023-03-12	2023-03-16	2023-03-17	2023-03-22	
15	Frequency (MHz)	O		2023-03-11	2023-03-15	2023-03-16	2023-03-20	2023-03-21	2023-03-25	DIV O
		15O	001	2023-03-11	2023-03-13	2023-03-14	2023-03-19	2023-03-20	2023-03-24	
		15O	002	2023-03-12	2023-03-14	2023-03-15	2023-03-19	2023-03-20	2023-03-25	
		15O	003	2023-03-13	2023-03-15	2023-03-16	2023-03-20	2023-03-21	2023-03-26	
		15O	004	2023-03-14	2023-03-16	2023-03-17	2023-03-21	2023-03-22	2023-03-27	
16	Frequency (MHz)	P		2023-03-16	2023-03-20	2023-03-21	2023-03-25	2023-03-26	2023-03-30	DIV P
		16P	001	2023-03-16	2023-03-18	2023-03-19	2023-03-24	2023-03-25	2023-03-29	
		16P	002	2023-03-17	2023-03-19	2023-03-20	2023-03-24	2023-03-25	2023-03-30	
Division D										
17	Frequency (MHz)	Q		2023-03-21	2023-03-25	2023-03-26	2023-03-30	2023-03-31	2023-04-04	DIV Q
		17Q	001	2023-03-21	2023-03-23	2023-03-24	2023-03-29	2023-03-30	2023-04-03	
		17Q	002	2023-03-22	2023-03-24	2023-03-25	2023-03-29	2023-03-30	2023-04-04	
		17Q	003	2023-03-23	2023-03-25	2023-03-26	2023-03-30	2023-03-31	2023-04-05	
		17Q	004	2023-03-24	2023-03-26	2023-03-27	2023-03-31	2023-04-01	2023-04-06	
18	Frequency (MHz)	R		2023-03-26	2023-03-30	2023-03-31	2023-04-04	2023-04-05	2023-04-09	DIV R
		18R	001	2023-03-26	2023-03-28	2023-03-29	2023-04-03	2023-04-04	2023-04-08	
		18R	002	2023-03-27	2023-03-29	2023-03-30	2023-04-04	2023-04-05	2023-04-09	
		18R	003	2023-03-28	2023-03-30	2023-03-31	2023-04-05	2023-04-06	2023-04-10	
		18R	004	2023-03-29	2023-03-31	2023-04-01	2023-04-05	2023-04-06	2023-04-11	
19	Frequency (MHz)	S		2023-03-31	2023-04-04	2023-04-05	2023-04-09	2023-04-10	2023-04-14	DIV S
		19S	001	2023-03-31	2023-04-03	2023-04-04	2023-04-08	2023-04-09	2023-04-13	
		19S	002	2023-04-01	2023-04-03	2023-04-04	2023-04-08	2023-04-09	2023-04-14	
		19S	003	2023-04-02	2023-04-04	2023-04-05	2023-04-09	2023-04-10	2023-04-15	
		19S	004	2023-04-03	2023-04-05	2023-04-06	2023-04-10	2023-04-11	2023-04-16	
20	Frequency (MHz)	T		2023-04-05	2023-04-09	2023-04-10	2023-04-14	2023-04-15	2023-04-19	DIV T
		20T	001	2023-04-05	2023-04-07	2023-04-08	2023-04-13	2023-04-14	2023-04-18	
		20T	002	2023-04-06	2023-04-08	2023-04-09	2023-04-13	2023-04-14	2023-04-19	
		20T	003	2023-04-07	2023-04-09	2023-04-10	2023-04-14	2023-04-15	2023-04-20	
		20T	004	2023-04-08	2023-04-10	2023-04-11	2023-04-15	2023-04-16	2023-04-21	
21	Frequency (MHz)	U		2023-04-10	2023-04-14	2023-04-15	2023-04-19	2023-04-20	2023-04-24	DIV U
		21U	001	2023-04-10	2023-04-12	2023-04-13	2023-04-18	2023-04-19	2023-04-23	
		21U	002	2023-04-11	2023-04-13	2023-04-14	2023-04-18	2023-04-19	2023-04-24	
Division E										
22	Frequency (MHz)	V		2023-04-15	2023-04-19	2023-04-20	2023-04-24	2023-04-25	2023-04-29	DIV V
		22V	001	2023-04-15	2023-04-17	2023-04-18	2023-04-23	2023-04-24	2023-04-28	
		22V	002	2023-04-16	2023-04-18	2023-04-19	2023-04-23	2023-04-24	2023-04-29	
		22V	003	2023-04-17	2023-04-19	2023-04-20	2023-04-24	2023-04-25	2023-04-30	
		22V	004	2023-04-18	2023-04-20	2023-04-21	2023-04-25	2023-04-26	2023-04-31	
23	Frequency (MHz)	W		2023-04-20	2023-04-24	2023-04-25	2023-04-29	2023-04-30	2023-05-04	DIV W
		23W	001	2023-04-20	2023-04-22	2023-04-23	2023-04-28	2023-04-29	2023-05-03	
		23W	002	2023-04-21	2023-04-23	2023-04-24	2023-04-28	2023-04-29	2023-05-04	
		23W	003	2023-04-22	2023-04-24	2023-04-25	2023-04-29	2023-04-30	202	

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GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	TX Channel								
	Frequency (MHz)	128	189		251	128	189		251
		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot		32.19	32.28	32.37	33.50	23.19	23.28	23.37	24.50
GPRS 1 Tx slot		32.18	32.32	32.40	33.50	23.18	23.32	23.40	24.50
GPRS 2 Tx slots		29.39	29.01	28.59	30.50	23.39	23.01	22.59	24.50
GPRS 3 Tx slots		27.55	27.06	26.63	28.50	23.29	22.80	22.37	24.24
GPRS 4 Tx slots		26.20	25.63	25.14	26.50	23.20	22.63	22.14	23.50
EDGE 1 Tx slot		26.16	26.27	26.25	27.00	17.16	17.27	17.25	18.00
EDGE 2 Tx slots		25.09	25.19	25.16	25.50	19.09	19.19	19.16	19.50
EDGE 3 Tx slots		23.43	23.59	23.54	24.00	19.17	19.33	19.28	19.74
EDGE 4 Tx slots		21.87	21.94	21.91	22.50	18.87	18.94	18.91	19.50

GSM1900	Burst Average Power (dBm)				Tune-up Limit (dBm)	Frame-Average Power (dBm)				Tune-up Limit (dBm)
	TX Channel									
	Frequency (MHz)	512	661	810		512	661	810		
	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

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GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel							
	Frequency (MHz)	128	189		251	128	189	
GSM 1 Tx slot	824.2	836.4	848.8	32.50	22.51	22.52	22.35	23.50
GPRS 1 Tx slot	31.51	31.52	31.35	32.50	22.51	22.52	22.35	23.50
GPRS 2 Tx slots	31.57	31.58	31.33	32.50	22.57	22.58	22.33	23.50
GPRS 3 Tx slots	28.44	28.00	27.53	29.50	22.44	22.00	21.53	23.50
GPRS 4 Tx slots	26.59	26.08	25.60	27.50	22.33	21.82	21.34	23.24
EDGE 1 Tx slot	25.03	24.46	24.05	26.00	22.03	21.46	21.05	23.00
EDGE 2 Tx slots	26.14	26.29	26.26	27.00	17.14	17.29	17.26	18.00
EDGE 3 Tx slots	25.08	25.19	25.17	25.50	19.08	19.19	19.17	19.50
EDGE 4 Tx slots	23.43	23.57	23.53	24.00	19.17	19.31	19.27	19.74
EDGE 5 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									
	Frequency (MHz)	512	661	810		512	661	810		
	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	18.40		
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						
1.4	64QAM	6	0	20.01	19.87	19.91						

Band 4_Ant1_DSI 5										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				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	19.43	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	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1717.5	1732.5	1747.5				
15	QPSK	1	0	19.33	19.36	19.41	20.6	0		
15	QPSK	1	37	19.21	19.14	19.07				
15	QPSK	1	74	19.17	19.15	19.04				
15	QPSK	36	0	19.46	19.38	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	19.38	19.25				
15	64QAM	1	0	19.52	19.60	19.61				
15	64QAM	1	37	19.47	19.39	19.35				
15	64QAM	1	74	19.37	19.41	19.29	20.6	0		
15	64QAM	36	0	19.47	19.48	19.45				
15	64QAM	36	20	19.51	19.35	19.32				
15	64QAM	36	39	19.43	19.34	19.26				
15	64QAM	75	0	19.38	19.41	19.28				
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1715	1732.5	1750				
10	QPSK	1	0	19.31	19.39	19.36	20.6	0		
10	QPSK	1	25	19.17	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	19.36	19.30	19.21	20.6	0		
10	16QAM	50	0	19.44	19.34	19.28				
10	64QAM	1	0	19.54	19.65	19.60				
10	64QAM	1	25	19.39	19.45	19.35				
10	64QAM	1	49	19.45	19.33	19.34	20.6	0		
10	64QAM	25	0	19.42	19.41	19.38				
10	64QAM	25	12	19.43	19.40	19.32				
10	64QAM	25	25	19.42	19.40	19.28				
10	64QAM	50	0	19.40	19.39	19.29				
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1712.5	1732.5	1752.5				
5	QPSK	1	0	19.30	19.41	19.32	20.6	0		
5	QPSK	1	12	19.16	19.14	19.13				
5	QPSK	1	24	19.17	19.09	19.13				
5	QPSK	12	0	19.42	19.36	19.38				
5	QPSK	12	7	19.39	19.29	19.30	20.6	0		
5	QPSK	12	13	19.29	19.28	19.20				
5	QPSK	25	0	19.35	19.33	19.23				
5	16QAM	1	0	19.69	19.75	19.68				
5	16QAM	1	12	19.51	19.54	19.44	20.6	0		
5	16QAM	1	24	19.52	19.45	19.39				
5	16QAM	12	0	19.42	19.45	19.36				
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	Tune-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	0	19.58	19.62	19.58				
3	64QAM	1	8	19.41	19.44	19.40				
3	64QAM	1	14	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	Tune-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	19.36				
1.4	QPSK	3	1	19.39	19.33	19.31	20.6	0		
1.4	QPSK	3	3	19.33	19.30	19.23				
1.4	16QAM	6	0	19.39	19.39	19.17				
1.4	16QAM	6	0	19.77	19.77	19.62				
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	0	19.46	19.62	19.57				
1.4	64QAM	1	3	19.44	19.41	19.31				
1.4	64QAM	1	5	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	19.6	1		

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				20890	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	21.73	22.01	21.98	23	0	
10	QPSK	1	25	21.81	22.09	22.02			
10	QPSK	1	49	21.96	22.16	22.02			
10	QPSK	25	0	21.91	22.19	22.17	23	0	
10	QPSK	25	12	22.02	22.18	22.10			
10	QPSK	25	25	22.02	22.23	22.18			
10	QPSK	50	0	21.97	22.18	22.17	23	0	
10	16QAM	1	0	22.18	22.30	22.27			
10	16QAM	1	25	22.16	22.54	22.34			
10	16QAM	1	49	22.38	22.56	22.37	23	0	
10	16QAM	25	0	21.03	21.20	21.09			
10	16QAM	25	12	21.06	21.27	21.12			
10	16QAM	25	25	21.07	21.29	21.08	23	0	
10	16QAM	50	0	21.03	21.20	21.13			
10	64QAM	1	0	21.95	21.18	21.19			
10	64QAM	1	25	22.04	21.41	21.18	23	0	
10	64QAM	1	49	22.18	21.38	21.05			
10	64QAM	25	0	20.90	20.19	20.15			
10	64QAM	25	12	21.06	20.32	20.14	22	1	
10	64QAM	25	25	21.06	20.26	20.16			
10	64QAM	50	0	20.97	20.19	20.23			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	21.78	21.91	21.80	23	0	
5	QPSK	1	12	21.83	22.11	21.94			
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	18.36	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	18.26	18.15			
5	64QAM	12	7	18.15	18.36	18.20	20.1	1	
5	64QAM	12	13	18.14	18.37	18.28			
5	64QAM	25	0	18.13	18.27	18.22			

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

Band 38_Ant 1 DSI 3													
BW (kHz)	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)													
20	QPSK	1	0	18.13	18.13	18.13	21.1	0					
20	QPSK	1	49	18.17	18.18	18.18							
20	QPSK	1	99	18.22	18.24	18.24							
20	QPSK	50	24	18.25	18.25	18.25							
20	QPSK	50	24	18.25	18.25	18.25							
20	QPSK	100	0	18.25	18.25	18.25	21.1	0					
20	QPSK	100	0	18.25	18.25	18.25							
20	QPSK	100	0	18.25	18.25	18.25							
20	QPSK	100	0	18.25	18.25	18.25							
20	QPSK	100	0	18.25	18.25	18.25							
20	16QAM	1	49	18.24	18.26	18.26	21.1	0					
20	16QAM	1	99	18.29	18.30	18.30							
20	16QAM	50	0	18.29	18.29	18.29							
20	16QAM	50	50	18.27	18.27	18.27							
20	16QAM	50	50	18.27	18.27	18.27							
20	16QAM	100	0	18.27	18.27	18.27	21.1	0					
20	16QAM	100	0	18.27	18.27	18.27							
20	16QAM	100	0	18.27	18.27	18.27							
20	16QAM	100	0	18.27	18.27	18.27							
20	16QAM	100	0	18.27	18.27	18.27							
20	64QAM	1	0	18.31	18.31	18.31	21.1	0					
20	64QAM	1	49	18.31	18.32	18.32							
20	64QAM	50	0	18.30	18.30	18.30							
20	64QAM	50	50	18.29	18.29	18.29							
20	64QAM	50	50	18.29	18.29	18.29							
20	64QAM	100	0	18.29	18.29	18.29	21.1	0					
20	64QAM	100	0	18.29	18.29	18.29							
20	64QAM	100	0	18.29	18.29	18.29							
20	64QAM	100	0	18.29	18.29	18.29							
20	64QAM	100	0	18.29	18.29	18.29							
Channel													
				31775	36000	36200							
Frequency (MHz)													
15	QPSK	1	0	18.13	18.13	18.13	21.1	0					
15	QPSK	1	37	18.17	18.18	18.18							
15	QPSK	1	74	18.22	18.24	18.24							
15	QPSK	36	0	18.24	18.24	18.24							
15	QPSK	36	36	18.25	18.25	18.25							
15	QPSK	36	36	18.25	18.25	18.25	21.1	0					
15	QPSK	36	36	18.25	18.25	18.25							
15	QPSK	36	36	18.25	18.25	18.25							
15	QPSK	36	36	18.25	18.25	18.25							
15	QPSK	36	36	18.25	18.25	18.25							
15	16QAM	1	0	18.28	18.28	18.28	21.1	0					
15	16QAM	1	37	18.30	18.30	18.30							
15	16QAM	1	74	18.32	18.32	18.32							
15	16QAM	36	0	18.32	18.32	18.32							
15	16QAM	36	36	18.33	18.33	18.33							
15	16QAM	75	0	18.33	18.33	18.33	21.1	0					
15	16QAM	75	0	18.33	18.33	18.33							
15	16QAM	75	0	18.33	18.33	18.33							
15	16QAM	75	0	18.33	18.33	18.33							
15	16QAM	75	0	18.33	18.33	18.33							
15	64QAM	1	37	18.32	18.32	18.32	21.1	0					
15	64QAM	1	74	18.35	18.35	18.35							
15	64QAM	36	0	18.31	18.31	18.31							
15	64QAM	36	36	18.31	18.31	18.31							
15	64QAM	36	36	18.31	18.31	18.31							
15	64QAM	75	0	18.34	18.34	18.34	21.1	0					
15	64QAM	75	0	18.34	18.34	18.34							
15	64QAM	75	0	18.34	18.34	18.34							
15	64QAM	75	0	18.34	18.34	18.34							
15	64QAM	75	0	18.34	18.34	18.34							
Channel													
				31900	36000	36200							
Frequency (MHz)													
10	QPSK	1	0	18.12	18.12	18.11	21.1	0					
10	QPSK	1	25	18.16	18.17	18.17							
10	QPSK	1	49	18.24	18.24	18.24							
10	QPSK	20	0	18.22	18.22	18.22							
10	QPSK	20	12	18.24	18.24	18.24							
10	QPSK	20	12	18.24	18.24	18.24	21.1	0					
10	QPSK	20	12	18.24	18.24	18.24							
10	QPSK	20	12	18.24	18.24	18.24							
10	QPSK	20	12	18.24	18.24	18.24							
10	QPSK	20	12	18.24	18.24	18.24							
10	16QAM	1	0	18.28	18.28	18.27	21.1	0					
10	16QAM	1	25	18.34	18.34	18.34							
10	16QAM	1	49	18.33	18.35	18.35							
10	16QAM	20	0	18.31	18.31	18.31							
10	16QAM	20	12	18.33	18.33	18.33							
10	16QAM	20	12	18.33	18.33	18.33	21.1	0					
10	16QAM	20	12	18.33	18.33	18.33							
10	16QAM	20	12	18.33	18.33	18.33							
10	16QAM	20	12	18.33	18.33	18.33							
10	16QAM	20	12	18.33	18.33	18.33							
10	64QAM	1	25	18.29	18.29	18.29	21.1	0					
10	64QAM	1	49	18.33	18.33	18.33							
10	64QAM	20	0	18.31	18.31	18.31							
10	64QAM	20	12	18.33	18.33	18.33							
10	64QAM	20	12	18.33	18.33	18.33							
10	64QAM	20	25	18.35	18.34	18.34	21.1	0					
10	64QAM	20	25	18.35	18.34	18.34							
10	64QAM	20	25	18.35	18.34	18.34							
10	64QAM	20	25	18.35	18.34	18.34							
10	64QAM	20	25	18.35	18.34	18.34							
Channel													
				31775	36000	36200							
Frequency (MHz)													
5	QPSK	1	0	18.12	18.12	18.12	21.1	0					
5	QPSK	1	12	18.16	18.16	18.16							
5	QPSK	1	24	18.24	18.24	18.24							
5	QPSK	12	0	18.22	18.22	18.22							
5	QPSK	12	0	18.22	18.22	18.22							
5	QPSK	12	12	18.24	18.24	18.24	21.1	0					
5	QPSK	12	12	18.24	18.24	18.24							
5	QPSK	12	12	18.24	18.24	18.24							
5	QPSK	12	12	18.24	18.24	18.24							
5	QPSK	12	12	18.24	18.24	18.24							
5	16QAM	1	12	18.30	18.30	18.30	21.1	0					
5	16QAM	1	12	18.30	18.30	18.30							
5	16QAM	12	0	18.28	18.28	18.28							
5	16QAM	12	12	18.30	18.30	18.30	21.1	0					
5	16QAM	12	12	18.30	18.30	18.30							
5	16QAM	12	12	18.30	18.30	18.30							
5	16QAM	12	12	18.30	18.30	18.30	21.1	0					
5	16QAM	12	12	18.30	18.30	18.30							
5	16QAM	12	12	18.30	18.30	18.30							
5	64QAM	1	12	18.33	18.33	18.33	21.1	0					
5	64QAM	1	12	18.33	18.33	18.33							
5	64QAM	12	0	18.29	18.29	18.29							
5	64QAM	12	12	18.33	18.33	18.33	21.1	0					
5	64QAM	12	12	18.33	18.33	18.33							
5	64QAM	12	12	18.33	18.33	18.33							
5	64QAM	12	12	18.33	18.33	18.33	21.1	0					
5	64QAM	12	12	18.33	18.33	18.33							
5	64QAM	12	12	18.33	18.33	18.33							
5	64QAM	12	12	18.33	18.33	18.33	21.1	0					
5	64QAM	12	12	18.33	18.33	18.33							
5	64QAM	12	12	18.33	18.33	18.33							
5	64QAM	12	12	18.33	18.33	18.33	21.1	0					
5	64QAM	12	12	18.33	18.33	18.33							
5	64QAM	12	12	18.33	18.33	18.33							
5	64QAM	12	12	18.33	18.33	18.33	21.1	0					
5	64QAM	12	12	18.33	18.33	18.33							
5	64QAM	12	12	18.33	18.33	18.33							
5	64QAM	12	12	18.33	18.33	18.33	21.1	0					
5	64QAM	12	12	18.33	18.33	18.33							
5	64QAM	12	12	18.33	18.33	18.33							
5	64QAM	12	12	18.33	18.33	18.33	21.1	0					
5	64QAM	12	12	18.33	18.33	18.33							
5	64QAM	12	12	18.33	18.33	18.33							
5	64QAM	12	12	18.33	18.33	18.33	21.1	0					
5	64QAM	12	12	18.33	18.33	18.33							
5	64QAM	12	12	18.33	18.33	18.33							
5	64QAM	12	12	18.33	18.33	18.33	21.1	0					
5	64QAM	12	12	18.33	18.33	18.33							
5	64QAM	12	12	18.33	18.33	18.33							
5	64QAM	12	12	18.33	18.33	18.33	21.1	0					
5	64QAM	12	12	18.33	18.33	18.33							
5	64QAM	12	12	18.33	18.33	18.33							
5	64QAM	12	12	18.33	18.33	18.33	21.1	0					
5	64QAM	12	12	18.33	18.33	18.33							
5	64QAM	12	12	18.33	18.33	18.33							
5	64QAM	12	12	18.33	18.33	18.33	21.1	0					
5	64QAM	12	12	18.33	18.33	18.33							
5	64QAM	12	12	18.33	18.33	18.33							
5	64QAM	12	12	18.33	18.33	18.33	21.1	0					
5	64QAM	12	12	18.33	18.33	18.33							
5	64QAM	12	12	18.33	18.33	18.33							
5	64QAM	12	12	18.33	18.33	18.33	21.1	0					
5	64QAM	12	12	18.33	18.33	18.33							
5	64QAM	12	12	18.33	18.33	18.33							
5	64QAM	12	12	18.33	18.33	18.33	21.1	0					
5	64QAM	12	12	18.33	18.33	18.33							
5	64QAM	12	12	18.33	18.33	18.33							
5	64QAM	12	12	18.33	18.33	18.33	21.1	0					
5	64QAM	12	12										

Band 38 Ant 2 CSI 5									
RF Band	Modulation	RF Size	RF Offset	Power Tx [mW]	Power Frac [dB]	Power H1 [mW]	Time-up (ms)	SPTS (dB)	
Channel									
Frequency (MHz)				20	20	20			
20	QPSK	1	0	19.90	19.90	19.90			
20	QPSK	1	49	19.90	19.90	19.90	21	0	
20	QPSK	50	0	20.03	19.98	19.98			
20	QPSK	50	24	20.03	19.98	19.98			
20	QPSK	50	50	20.03	19.93	19.93	21	0	
20	QPSK	50	74	20.03	19.93	19.93			
20	QPSK	1	49	20.04	19.93	19.93			
20	QPSK	1	74	20.04	19.93	19.93	21	0	
20	QPSK	50	0	19.97	19.95	19.95			
20	QPSK	50	24	19.95	19.97	19.97			
20	QPSK	50	50	19.95	19.97	19.97	20	1	
20	QPSK	50	74	19.95	19.97	19.97			
20	QPSK	1	0	19.78	19.65	19.65			
20	QPSK	1	49	19.78	19.65	19.65	20	1	
20	QPSK	50	0	19.89	19.62	19.62			
20	QPSK	50	24	19.89	19.62	19.62			
20	QPSK	50	50	19.87	19.59	19.59	19	2	
20	QPSK	50	74	19.87	19.59	19.59			
20	QPSK	100	0	19.95	19.49	19.49			
Channel									
Frequency (MHz)				207.5	207.5	207.5	Time-up (ms)	SPTS (dB)	
10	QPSK	1	0	207.5	207.5	207.5			
10	QPSK	1	37	19.98	19.98	19.98			
10	QPSK	1	74	19.98	19.98	19.98	21	0	
10	QPSK	36	0	19.94	19.90	19.90			
10	QPSK	36	24	19.94	19.90	19.90			
10	QPSK	36	36	20.00	19.87	19.87	21	0	
10	QPSK	36	74	20.00	19.87	19.87			
10	QPSK	1	0	20.00	19.99	19.99			
10	QPSK	1	37	20.00	19.99	19.99	21	0	
10	QPSK	1	74	20.01	19.96	19.96			
10	QPSK	36	0	19.93	19.72	19.72			
10	QPSK	36	24	19.95	19.86	19.86	20	1	
10	QPSK	75	0	19.93	19.87	19.87			
10	QPSK	75	24	19.93	19.87	19.87			
10	QPSK	1	0	19.72	19.58	19.58			
10	QPSK	1	74	19.72	19.58	19.58	20	1	
10	QPSK	36	0	19.89	19.72	19.72			
10	QPSK	36	24	19.89	19.72	19.72			
10	QPSK	75	0	19.89	19.72	19.72	19	2	
10	QPSK	75	24	19.89	19.72	19.72			
Channel									
Frequency (MHz)				212.5	212.5	212.5	Time-up (ms)	SPTS (dB)	
10	QPSK	1	0	19.96	19.88	19.88			
10	QPSK	1	24	19.96	19.88	19.88	21	0	
10	QPSK	25	0	19.94	19.79	19.79			
10	QPSK	25	24	19.94	19.79	19.79			
10	QPSK	25	25	19.93	19.77	19.77	21	0	
10	QPSK	25	74	19.93	19.77	19.77			
10	QPSK	1	0	19.87	19.67	19.67			
10	QPSK	1	24	19.87	19.67	19.67			
10	QPSK	25	0	19.80	19.59	19.59			
10	QPSK	25	24	19.80	19.59	19.59			
10	QPSK	25	25	19.80	19.59	19.59	20	1	
10	QPSK	25	74	19.80	19.59	19.59			
10	QPSK	1	0	19.75	19.60	19.60			
10	QPSK	1	12	19.75	19.60	19.60	20	1	
10	QPSK	1	24	19.75	19.60	19.60			
10	QPSK	12	0	19.80	19.77	19.77			
10	QPSK	12	12	19.80	19.77	19.77			
10	QPSK	12	24	19.80	19.77	19.77	19	2	
10	QPSK	12	74	19.80	19.77	19.77			
10	QPSK	25	0	19.80	19.77	19.77			
10	QPSK	25	24	19.80	19.77	19.77			
10	QPSK	25	25	19.80	19.77	19.77	19	2	
10	QPSK	25	74	19.80	19.77	19.77			
10	QPSK	12	0	19.78	19.64	19.64			
10	QPSK	12	12	19.78	19.64	19.64	19	2	
10	QPSK	12	24	19.78	19.64	19.64			
10	QPSK	12	74	19.78	19.64	19.64			
10	QPSK	25	0	19.78	19.64	19.64			
10	QPSK	25	24	19.78	19.64	19.64			
10	QPSK	25	25	19.78	19.64	19.64	19	2	
10	QPSK	25	74	19.78	19.64	19.64			
10	QPSK	12	0	19.77	19.63	19.63			
10	QPSK	12	12	19.77	19.63	19.63	19	2	
10	QPSK	12	24	19.77	19.63	19.63			
10	QPSK	12	74	19.77	19.63	19.63			
10	QPSK	25	0	19.77	19.63	19.63			
10	QPSK	25	24	19.77	19.63	19.63			
10	QPSK	25	25	19.77	19.63	19.63	19	2	
10	QPSK	25	74	19.77	19.63	19.63			
10	QPSK	12	0	19.76	19.62	19.62			
10	QPSK	12	12	19.76	19.62	19.62	19	2	
10	QPSK	12	24	19.76	19.62	19.62			
10	QPSK	12	74	19.76	19.62	19.62			
10	QPSK	25	0	19.76	19.62	19.62			
10	QPSK	25	24	19.76	19.62	19.62			
10	QPSK	25	25	19.76	19.62	19.62	19	2	
10	QPSK	25	74	19.76	19.62	19.62			
10	QPSK	12	0	19.75	19.61	19.61			
10	QPSK	12	12	19.75	19.61	19.61	19	2	
10	QPSK	12	24	19.75	19.61	19.61			
10	QPSK	12	74	19.75	19.61	19.61			
10	QPSK	25	0	19.75	19.61	19.61			
10	QPSK	25	24	19.75	19.61	19.61			
10	QPSK	25	25	19.75	19.61	19.61	19	2	
10	QPSK	25	74	19.75	19.61	19.61			
10	QPSK	12	0	19.74	19.60	19.60			
10	QPSK	12	12	19.74	19.60	19.60	19	2	
10	QPSK	12	24	19.74	19.60	19.60			
10	QPSK	12	74	19.74	19.60	19.60			
10	QPSK	25	0	19.74	19.60	19.60			
10	QPSK	25	24	19.74	19.60	19.60			
10	QPSK	25	25	19.74	19.60	19.60	19	2	
10	QPSK	25	74	19.74	19.60	19.60			
10	QPSK	12	0	19.73	19.59	19.59			
10	QPSK	12	12	19.73	19.59	19.59	19	2	
10	QPSK	12	24	19.73	19.59	19.59			
10	QPSK	12	74	19.73	19.59	19.59			
10	QPSK	25	0	19.73	19.59	19.59			
10	QPSK	25	24	19.73	19.59	19.59			
10	QPSK	25	25	19.73	19.59	19.59	19	2	
10	QPSK	25	74	19.73	19.59	19.59			
10	QPSK	12	0	19.72	19.58	19.58			
10	QPSK	12	12	19.72	19.58	19.58	19	2	
10	QPSK	12	24	19.72	19.58	19.58			
10	QPSK	12	74	19.72	19.58	19.58			
10	QPSK	25	0	19.72	19.58	19.58			
10	QPSK	25	24	19.72	19.58	19.58			
10	QPSK	25	25	19.72	19.58	19.58	19	2	
10	QPSK	25	74	19.72	19.58	19.58			
10	QPSK	12	0	19.71	19.57	19.57			
10	QPSK	12	12	19.71	19.57	19.57	19	2	
10	QPSK	12	24	19.71	19.57	19.57			
10	QPSK	12	74	19.71	19.57	19.57			
10	QPSK	25	0	19.71	19.57	19.57			
10	QPSK	25	24	19.71	19.57	19.57			
10	QPSK	25	25	19.71	19.57	19.57	19	2	
10	QPSK	25	74	19.71	19.57	19.57			
10	QPSK	12	0	19.70	19.56	19.56			
10	QPSK	12	12	19.70	19.56	19.56	19	2	
10	QPSK	12	24	19.70	19.56	19.56			
10	QPSK	12	74	19.70	19.56	19.56			
10	QPSK	25	0	19.70	19.56	19.56			
10	QPSK	25	24	19.70	19.56	19.56			
10	QPSK	25	25	19.70	19.56	19.56	19	2	
10	QPSK	25	74	19.70	19.56	19.56			
10	QPSK	12	0	19.69	19.55	19.55			
10	QPSK	12	12	19.69	19.55	19.55	19	2	
10	QPSK	12	24	19.69	19.55	19.55			
10	QPSK	12	74	19.69	19.55	19.55			
10	QPSK	25	0	19.69	19.55	19.55			
10	QPSK	25	24	19.69	19.55	19.55			
10	QPSK	25	25	19.69	19.55	19.55	19	2	
10	QPSK	25	74	19.69	19.55	19.55			
10	QPSK	12	0	19.68	19.54	19.54			
10	QPSK	12	12	19.68	19.54	19.54	19	2	
10	QPSK	12	24	19.68	19.54	19.54			
10	QPSK	12	74	19.68	19.54	19.54			
10	QPSK	25	0	19.68	19.54	19.54			
10	QPSK	25	24	19.68	19.54	19.54			
10	QPSK	25	25	19.68	19.54	19.54	19	2	
10	QPSK	25	74	19.68	19.54	19.54			
10	QPSK	12	0	19.67	19.53	19.53			
10	QPSK	12	12	19.67	19.53	19.53	19	2	
10	QPSK	12	24	19.67	19.53	19.53			
10	QPSK	12	74	19.67	19.53	19.53			
10	QPSK	25	0	19.67	19.53	19.53			
10	QPSK	25	24	19.67	19.53	19.53			
10	QPSK	25	25	19.67	19.53	19.53	19	2	
10	QPSK	25	74	19.67	19.53	19.53			
10	QPSK	12	0	19					

Band 41_Ant 1 DSI 3										
BS (MHz)	Modulation	RB Size	RB Offset	Power Line Mode Ch. Freq.	Power Line Mode Ch. Freq.	Power Line Mode Ch. Freq.	Power Line Mode Ch. Freq.	Turn-up time (dBm)	MPE (dB)	
Channel										
Frequency (MHz)										
DS1R	1	0	0	20.32	20.41	20.44	20.53			
DS1R	1	46	33	20.32	20.37	20.34	20.32	20.34	21.1	0
DS1R	1	92	66	20.43	20.43	20.43	20.43	20.43		
DS1R	1	0	0	20.38	20.48	20.53	20.40	20.40		
DS1R	1	46	33	20.47	20.53	20.48	20.48	20.48	21.1	0
DS1R	1	92	66	20.48	20.49	20.42	20.47	20.46		
DS1R	1	138	102	20.52	20.52	20.52	20.52	20.52		
DS1R	1	0	0	20.43	20.43	20.47	20.47	20.47	21.1	0
DS1R	1	46	33	20.48	20.51	20.47	20.47	20.47		
DS1R	1	92	66	20.53	20.53	20.48	20.53	20.50		
DS1R	1	138	102	20.54	20.55	20.49	20.54	20.54	21.1	0
DS1R	1	0	0	20.54	20.55	20.49	20.49	20.47		
DS1R	1	46	33	20.58	20.58	20.56	20.56	20.56		
DS1R	1	92	66	20.61	20.61	20.50	20.61	20.59		
DS1R	1	138	102	20.65	20.65	20.58	20.65	20.65	21.1	0
DS1R	1	0	0	20.65	20.68	20.58	20.57	20.59		
DS1R	1	46	33	20.70	20.70	20.52	20.70	20.69		
DS1R	1	92	66	20.72	20.72	20.57	20.72	20.72		
DS1R	1	138	102	20.76	20.76	20.56	20.76	20.76	21.1	0
DS1R	1	0	0	20.82	20.83	20.59	20.59	20.56		
DS1R	1	46	33	20.87	20.87	20.62	20.87	20.87		
DS1R	1	92	66	20.91	20.91	20.67	20.91	20.91		
DS1R	1	138	102	20.95	20.95	20.67	20.95	20.95	21.1	0
DS1R	1	0	0	20.97	20.99	20.69	20.69	20.67		
DS1R	1	46	33	20.98	20.99	20.74	20.98	20.98		
DS1R	1	92	66	21.01	21.01	20.74	21.01	21.01		
DS1R	1	138	102	21.05	21.05	20.77	21.05	21.05	21.1	0
DS1R	1	0	0	21.07	21.07	20.80	21.07	21.07		
DS1R	1	46	33	21.10	21.10	20.80	21.10	21.10		
DS1R	1	92	66	21.13	21.13	20.80	21.13	21.13		
DS1R	1	138	102	21.17	21.17	20.80	21.17	21.17	21.1	0
DS1R	1	0	0	21.19	21.19	20.83	21.19	21.19		
DS1R	1	46	33	21.22	21.22	20.83	21.22	21.22		
DS1R	1	92	66	21.25	21.25	20.83	21.25	21.25		
DS1R	1	138	102	21.29	21.29	20.83	21.29	21.29	21.1	0
DS1R	1	0	0	21.32	21.32	20.83	21.32	21.32		
DS1R	1	46	33	21.35	21.35	20.83	21.35	21.35		
DS1R	1	92	66	21.38	21.38	20.83	21.38	21.38		
DS1R	1	138	102	21.42	21.42	20.83	21.42	21.42	21.1	0
DS1R	1	0	0	21.45	21.45	20.84	21.45	21.45		
DS1R	1	46	33	21.48	21.48	20.84	21.48	21.48		
DS1R	1	92	66	21.51	21.51	20.84	21.51	21.51		
DS1R	1	138	102	21.55	21.55	20.84	21.55	21.55		
Channel										
Frequency (MHz)										
DS1R	1	0	0	20.515	20.613	20.613	20.712	20.615		
DS1R	1	37	24	20.515	20.54	20.54	20.54	20.54	21.1	0
DS1R	1	74	52	20.515	20.54	20.54	20.54	20.54		
DS1R	1	36	0	20.52	20.61	20.61	20.70	20.61		
DS1R	1	72	0	20.52	20.61	20.61	20.70	20.61		
DS1R	1	36	0	20.53	20.63	20.63	20.73	20.63		
DS1R	1	72	0	20.53	20.63	20.63	20.73	20.63		
DS1R	1	36	0	20.61	20.65	20.65	20.74	20.65		
DS1R	1	72	0	20.61	20.65	20.65	20.74	20.65		
DS1R	1	0	0	20.61	20.69	20.69	20.80	20.69		
DS1R	1	36	0	20.68	20.77	20.77	20.88	20.77		
DS1R	1	72	0	20.68	20.77	20.77	20.88	20.77		
DS1R	1	36	0	20.69	20.79	20.79	20.90	20.79		
DS1R	1	72	0	20.69	20.79	20.79	20.90	20.79		
DS1R	1	36	0	20.77	20.86	20.86	20.97	20.86		
DS1R	1	72	0	20.77	20.86	20.86	20.97	20.86		
DS1R	1	36	0	20.83	20.92	20.92	21.03	20.92		
DS1R	1	72	0	20.83	20.92	20.92	21.03	20.92		
DS1R	1	36	0	20.93	21.02	21.02	21.13	21.02		
DS1R	1	72	0	20.93	21.02	21.02	21.13	21.02		
DS1R	1	36	0	20.99	21.08	21.08	21.19	21.08		
DS1R	1	72	0	20.99	21.08	21.08	21.19	21.08		
DS1R	1	36	0	21.07	21.16	21.16	21.27	21.16		
DS1R	1	72	0	21.07	21.16	21.16	21.27	21.16		
DS1R	1	36	0	21.13	21.22	21.22	21.33	21.22		
DS1R	1	72	0	21.13	21.22	21.22	21.33	21.22		
DS1R	1	36	0	21.19	21.28	21.28	21.39	21.28		
DS1R	1	72	0	21.19	21.28	21.28	21.39	21.28		
DS1R	1	36	0	21.27	21.36	21.36	21.47	21.36		
DS1R	1	72	0	21.27	21.36	21.36	21.47	21.36		
Channel										
Frequency (MHz)										
DS1R	1	0	0	20.21	20.27	20.23	20.22	20.25		
DS1R	1	46	33	20.21	20.26	20.23	20.22	20.25	21.1	0
DS1R	1	92	66	20.22	20.28	20.24	20.23	20.26		
DS1R	1	138	102	20.23	20.29	20.25	20.24	20.27		
DS1R	1	0	0	20.31	20.31	20.27	20.27	20.30		
DS1R	1	46	33	20.31	20.31	20.27	20.27	20.30	21.1	0
DS1R	1	92	66	20.32	20.38	20.34	20.34	20.37		
DS1R	1	138	102	20.33	20.39	20.35	20.34	20.37		
DS1R	1	0	0	20.38	20.38	20.34	20.34	20.37		
DS1R	1	46	33	20.38	20.38	20.34	20.34	20.37	21.1	0
DS1R	1	92	66	20.42	20.42	20.38	20.38	20.41		
DS1R	1	138	102	20.43	20.43	20.39	20.39	20.42		
DS1R	1	0	0	20.43	20.43	20.39	20.39	20.42		
DS1R	1	46	33	20.43	20.43	20.39	20.39	20.42	21.1	0
DS1R	1	92	66	20.45	20.45	20.41	20.41	20.44		
DS1R	1	138	102	20.46	20.46	20.42	20.42	20.45		
DS1R	1	0	0	20.46	20.46	20.42	20.42	20.45		
DS1R	1	46	33	20.48	20.48	20.44	20.44	20.47	21.1	0
DS1R	1	92	66	20.49	20.49	20.45	20.45	20.48		
DS1R	1	138	102	20.50	20.50	20.46	20.46	20.49		
DS1R	1	0	0	20.50	20.50	20.46	20.46	20.49		
DS1R	1	46	33	20.52	20.52	20.48	20.48	20.51	21.1	0
DS1R	1	92	66	20.53	20.53	20.49	20.49	20.52		
DS1R	1	138	102	20.54	20.54	20.50	20.50	20.53		
DS1R	1	0	0	20.55	20.55	20.51	20.51	20.54		
DS1R	1	46	33	20.56	20.56	20.52	20.52	20.55	21.1	0
DS1R	1	92	66	20.57	20.57	20.53	20.53	20.56		
DS1R	1	138	102	20.58	20.58	20.54	20.54	20.57		
DS1R	1	0	0	20.59	20.59	20.55	20.55	20.58		
DS1R	1	46	33	20.60	20.60	20.56	20.56	20.59	21.1	0
DS1R	1	92	66	20.61	20.61	20.57	20.57	20.60		
DS1R	1	138	102	20.62	20.62	20.58	20.58	20.61		
DS1R	1	0	0	20.63	20.63	20.59	20.59	20.62		
DS1R	1	46	33	20.64	20.64	20.60	20.60	20.63	21.1	0
DS1R	1	92	66	20.65	20.65	20.61	20.61	20.64		
DS1R	1	138	102	20.66	20.66	20.62	20.62	20.65		
DS1R	1	0	0	20.67	20.67	20.63	20.63	20.66		
DS1R	1	46	33	20.68	20.68	20.64	20.64	20.67	21.1	0
DS1R	1	92	66	20.69	20.69	20.65	20.65	20.68		
DS1R	1	138	102	20.70	20.70	20.66	20.66	20.69		
DS1R	1	0	0	20.71	20.71	20.67	20.67	20.70		
DS1R	1	46	33	20.72	20.72	20.68	20.68	20.71	21.1	0
DS1R	1	92	66	20.73	20.73	20.69	20.69	20.72		
DS1R	1	138	102	20.74	20.74	20.70	20.70	20.73		
DS1R	1	0	0	20.75	20.75	20.71	20.71	20.74		
DS1R	1	46	33	20.76	20.76	20.72	20.72	20.75	21.1	0
DS1R	1	92	66	20.77	20.77	20.73	20.73	20.76		
DS1R	1	138	102	20.78	20.78	20.74	20.74	20.77		
DS1R	1	0	0	20.79	20.79	20.75	20.75	20.78		
DS1R	1	46	33	20.80	20.80	20.76	20.76	20.79	21.1	0
DS1R	1	92	66	20.81	20.81	20.77	20.77	20.80		
DS1R	1	138	102	20.82	20.82	20.78	20.78	20.81		
DS1R	1	0	0	20.83	20.83	20.79	20.79	20.82		
DS1R	1	46	33	20.84	20.84	20.80	20.80	20.83	21.1	0
DS1R	1	92	66	20.85	20.85	20.81	20.81	20.84		
DS1R	1	138	102	20.86	20.86	20.82	20.82	20.85		
DS1R	1	0	0	20.87	20.87	20.83	20.83	20.86		
DS1R	1	46	33	20.88	20.88	20.84	20.84	20.87	21.1	0
DS1R	1	92	66	20.89	20.89	20.85	20.85	20.88		
DS1R	1	138	102	20.90	20.90	20.86	20.86	20.89		
DS1R	1	0	0	2						

Band 41_Ant 1_DSI 5										
RF Band	Modulation	RF Size	RF 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	18.12	18.20		
20	OFDM	1	49	18.20	18.20	18.20	18.20	18.16	19.1	0
20	OFDM	1	99	18.02	18.02	18.12	18.12	18.20		
20	OFDM	50	0	18.13	18.20	18.20	18.20	18.20		
20	OFDM	50	50	18.13	18.33	18.47	18.22	18.24	19.1	0
20	OFDM	50	100	18.12	18.33	18.42	18.21	18.20		
20	OFDM	50	150	18.04	18.22	18.38	18.20	18.20	19.1	0
20	OFDM	50	199	18.04	18.22	18.38	18.20	18.20		
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	18.14	18.38	18.49	18.24	18.24		
20	OFDM	50	450	18.21	18.30	18.13	18.24	18.21		
20	OFDM	50	499	18.20	18.12	18.20	18.24	18.20	19.1	0
20	OFDM	50	549	18.22	18.08	18.22	18.27	18.28		
20	OFDM	50	599	18.22	18.08	18.22	18.27	18.28		
20	OFDM	50	649	18.20	18.41	18.40	18.29	18.28	19.1	0
20	OFDM	50	699	18.15	18.38	18.49	18.27	18.27		
20	OFDM	100	0	18.21	18.39	18.47	18.25	18.25		
20	OFDM	100	500	18.25	18.18	18.25	18.25	18.25	19.1	0
Channel										
Frequency (MHz)										
15	OFDM	1	0	20.515	20.615	20.63	20.635	20.615		
15	OFDM	1	247	20.765	20.723	20.620	20.784	20.783	19.1	0
15	OFDM	1	297	20.765	20.723	20.620	20.784	20.783		
15	OFDM	36	0	20.785	20.783	20.783	20.781	20.781		
15	OFDM	36	25	20.786	20.783	20.783	20.786	20.786	19.1	0
15	OFDM	36	50	20.785	20.785	20.785	20.784	20.782		
15	OFDM	36	75	20.784	20.783	20.783	20.784	20.784		
15	OFDM	36	100	20.785	20.785	20.785	20.784	20.782		
15	OFDM	36	125	20.784	20.783	20.783	20.784	20.784	19.1	0
15	OFDM	36	150	20.785	20.784	20.784	20.785	20.785		
15	OFDM	36	175	20.786	20.786	20.786	20.781	20.781		
15	OFDM	36	200	20.785	20.783	20.783	20.784	20.784	19.1	0
15	OFDM	36	225	20.786	20.786	20.786	20.781	20.781		
15	OFDM	36	250	20.785	20.785	20.785	20.783	20.782		
15	OFDM	36	275	20.786	20.786	20.786	20.781	20.781	19.1	0
15	OFDM	36	300	20.785	20.784	20.784	20.785	20.785		
15	OFDM	36	325	20.786	20.786	20.786	20.781	20.781		
15	OFDM	36	350	20.785	20.783	20.783	20.784	20.784	19.1	0
15	OFDM	36	375	20.786	20.786	20.786	20.781	20.781		
15	OFDM	36	400	20.785	20.785	20.785	20.783	20.782		
15	OFDM	36	425	20.786	20.786	20.786	20.781	20.781	19.1	0
15	OFDM	36	450	20.785	20.783	20.783	20.784	20.784		
15	OFDM	36	475	20.786	20.786	20.786	20.781	20.781		
15	OFDM	36	500	20.785	20.785	20.785	20.783	20.782	19.1	0
15	OFDM	36	525	20.786	20.786	20.786	20.781	20.781		
15	OFDM	36	550	20.785	20.783	20.783	20.784	20.784	19.1	0
15	OFDM	36	575	20.786	20.786	20.786	20.781	20.781		
15	OFDM	36	600	20.785	20.785	20.785	20.783	20.782		
15	OFDM	36	625	20.786	20.786	20.786	20.781	20.781	19.1	0
15	OFDM	36	650	20.785	20.783	20.783	20.784	20.784		
15	OFDM	36	675	20.786	20.786	20.786	20.781	20.781		
15	OFDM	36	700	20.785	20.785	20.785	20.783	20.782	19.1	0
15	OFDM	36	725	20.786	20.786	20.786	20.781	20.781		
15	OFDM	36	750	20.785	20.783	20.783	20.784	20.784	19.1	0
15	OFDM	36	775	20.786	20.786	20.786	20.781	20.781		
15	OFDM	36	800	20.785	20.785	20.785	20.783	20.782		
15	OFDM	36	825	20.786	20.786	20.786	20.781	20.781	19.1	0
15	OFDM	36	850	20.785	20.783	20.783	20.784	20.784		
15	OFDM	36	875	20.786	20.786	20.786	20.781	20.781		
15	OFDM	36	900	20.785	20.785	20.785	20.783	20.782	19.1	0
15	OFDM	36	925	20.786	20.786	20.786	20.781	20.781		
15	OFDM	36	950	20.785	20.783	20.783	20.784	20.784	19.1	0
15	OFDM	36	975	20.786	20.786	20.786	20.781	20.781		
15	OFDM	36	1000	20.785	20.785	20.785	20.783	20.782		
15	OFDM	36	1025	20.786	20.786	20.786	20.781	20.781	19.1	0
15	OFDM	36	1050	20.785	20.783	20.783	20.784	20.784		
15	OFDM	36	1075	20.786	20.786	20.786	20.781	20.781		
15	OFDM	36	1100	20.785	20.785	20.785	20.783	20.782	19.1	0
15	OFDM	36	1125	20.786	20.786	20.786	20.781	20.781		
15	OFDM	36	1150	20.785	20.783	20.783	20.784	20.784	19.1	0
15	OFDM	36	1175	20.786	20.786	20.786	20.781	20.781		
15	OFDM	36	1200	20.785	20.785	20.785	20.783	20.782		
15	OFDM	36	1225	20.786	20.786	20.786	20.781	20.781	19.1	0
15	OFDM	36	1250	20.785	20.783	20.783	20.784	20.784		
15	OFDM	36	1275	20.786	20.786	20.786	20.781	20.781		
15	OFDM	36	1300	20.785	20.785	20.785	20.783	20.782	19.1	0
15	OFDM	36	1325	20.786	20.786	20.786	20.781	20.781		
15	OFDM	36	1350	20.785	20.783	20.783	20.784	20.784	19.1	0
15	OFDM	36	1375	20.786	20.786	20.786	20.781	20.781		
15	OFDM	36	1400	20.785	20.785	20.785	20.783	20.782		
15	OFDM	36	1425	20.786	20.786	20.786	20.781	20.781	19.1	0
15	OFDM	36	1450	20.785	20.783	20.783	20.784	20.784		
15	OFDM	36	1475	20.786	20.786	20.786	20.781	20.781		
15	OFDM	36	1500	20.785	20.785	20.785	20.783	20.782	19.1	0
15	OFDM	36	1525	20.786	20.786	20.786	20.781	20.781		
15	OFDM	36	1550	20.785	20.783	20.783	20.784	20.784	19.1	0
15	OFDM	36	1575	20.786	20.786	20.786	20.781	20.781		
15	OFDM	36	1600	20.785	20.785	20.785	20.783	20.782		
15	OFDM	36	1625	20.786	20.786	20.786	20.781	20.781	19.1	0
15	OFDM	36	1650	20.785	20.783	20.783	20.784	20.784		
15	OFDM	36	1675	20.786	20.786	20.786	20.781	20.781		
15	OFDM	36	1700	20.785	20.785	20.785	20.783	20.782	19.1	0
15	OFDM	36	1725	20.786	20.786	20.786	20.781	20.781		
15	OFDM	36	1750	20.785	20.783	20.783	20.784	20.784	19.1	0
15	OFDM	36	1775	20.786	20.786	20.786	20.781	20.781		
15	OFDM	36	1800	20.785	20.785	20.785	20.783	20.782		
15	OFDM	36	1825	20.786	20.786	20.786	20.781	20.781	19.1	0
15	OFDM	36	1850	20.785	20.783	20.783	20.784	20.784		
15	OFDM	36	1875	20.786	20.786	20.786	20.781	20.781		
15	OFDM	36	1900	20.785	20.785	20.785	20.783	20.782	19.1	0
15	OFDM	36	1925	20.786	20.786	20.786	20.781	20.781		
15	OFDM	36	1950	20.785	20.783	20.783	20.784	20.784	19.1	0
15	OFDM	36	1975	20.786	20.786	20.786	20.781	20.781		
15	OFDM	36	2000	20.785	20.785	20.785	20.783	20.782		
15	OFDM	36	2025	20.786	20.786	20.786	20.781	20.781	19.1	0
15	OFDM	36	2050	20.785	20.783	20.783	20.784	20.784		
15	OFDM	36	2075	20.786	20.786	20.786	20.781	20.781		
15	OFDM	36	2100	20.785	20.785	20.785	20.783	20.782	19.1	0
15	OFDM	36	2125	20.786	20.786	20.786	20.781	20.781		
15	OFDM	36	2150	20.785	20.783	20.783	20.784	20.784	19.1	0
15	OFDM	36	2175	20.786	20.786	20.786	20.781	20.781		
15	OFDM	36	2200	20.785	20.785	20.785	20.783	20.782		
15	OFDM	36	2225	20.786	20.786	20.786	20.781	20.781	19.1	0
15	OFDM	36	2250	20.785	20.783	20.783	20.784	20.784		
15	OFDM	36	2275	20.786	20.786	20.786	20.781	20.781		
15	OFDM	36	2300	20.785	20.785	20.785	20.783	20.782	19.1	0
15	OFDM	36	2325	20.786	20.786	20.786	20.781	20.781		
15	OFDM	36	2350	20.785	20.783	20.783	20.784	20.784	19.1	0
15	OFDM	36	2375	20.786	20.786	20.786	20.781	20.781		
15	OFDM	36	2400	20.785	20.785	20.785	20.783	20.782		
15	OFDM	36	2425	20.786	20.786	20.786	20.781	20.781	19.1	0
15	OFDM	36	2450	20.785	20.783	20.783	20.784	20.784		
15	OFDM	36	2475	20.786	20.786	20.786	20.781	20.781		
15	OFDM	36	2500	20.785	20.785	20.785	20.783	20.782	19.1	0
15	OFDM</									

Band 41_Ant 2 DSI 3												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Power]	Power Low Middle Ch. [Power]	Power Middle Ch. [Power]	Power High Middle Ch. [Power]	Power High Ch. [Power]	Time-up limit (dBm)	MPE (dB)		
Channel												
Frequency [MHz]												
20	QPSK	1	0	18.03	18.03	17.99	17.97	17.93	19.8	0		
20	QPSK	1	60	18.05	17.93	17.99	17.95	18.05				
20	QPSK	50	24	17.93	17.95	18.01	17.98	18.05				
20	QPSK	100	0	18.03	17.99	17.99	17.99	18.03				
20	QPSK	100	60	18.03	17.97	17.99	18.03	18.05	19.8	0		
20	QPSK	100	90	17.95	17.95	17.99	17.95	17.95				
20	QPSK	100	24	17.93	17.95	17.99	17.98	18.03				
20	16QAM	1	0	17.95	18.03	18.03	17.93	17.98				
20	16QAM	1	60	17.95	18.03	18.03	17.93	17.98	19.8	0		
20	16QAM	1	90	17.97	17.98	17.93	18.03	17.95				
20	16QAM	50	24	17.94	18.02	17.96	17.95	17.97				
20	16QAM	100	0	18.03	17.99	17.95	18.03	18.05				
20	16QAM	100	60	18.03	17.97	17.99	18.03	18.05	19.8	0		
20	16QAM	100	90	17.95	17.95	17.99	17.95	17.95				
20	16QAM	100	24	17.93	17.95	17.99	17.98	18.03				
20	16QAM	100	0	18.03	17.97	17.95	17.97	17.95				
Channel												
Frequency [MHz]												
15	QPSK	1	0	20.03	20.03	20.03	20.03	20.03	19.8	0		
15	QPSK	1	30	17.94	18.02	17.98	17.94	18.01				
15	QPSK	1	74	17.94	18.02	18.02	17.98	17.95				
15	QPSK	36	0	18.02	18.02	18.02	17.98	18.02				
15	QPSK	36	36	17.94	17.95	17.97	17.93	18.03	19.8	0		
15	QPSK	36	70	17.94	17.95	17.93	18.03	18.03				
15	QPSK	36	10	17.94	18.02	17.94	18.02	17.99				
15	16QAM	1	0	17.98	17.94	17.93	18.03	17.94				
15	16QAM	1	74	17.97	18.02	18.02	17.97	17.94	19.8	0		
15	16QAM	36	20	17.95	18.01	17.97	18.03	17.95				
15	16QAM	36	36	17.95	18.02	18.01	18.01	17.95				
15	16QAM	75	0	18.03	17.97	17.98	18.02	18.03				
15	16QAM	75	74	17.95	18.02	17.99	18.05	18.01	19.8	0		
15	16QAM	1	37	17.98	18.02	18.02	18.03	18.03				
15	16QAM	1	74	17.93	17.93	17.99	18.05	18.01				
15	16QAM	36	0	17.93	17.93	17.99	18.01	18.05				
15	16QAM	36	36	17.93	17.97	17.97	18.03	18.03				
15	16QAM	36	70	17.95	17.95	17.98	18.01	17.98				
15	16QAM	36	10	17.95	17.95	17.98	18.01	17.98				
Channel												
Frequency [MHz]												
10	QPSK	1	0	18.01	17.95	18.01	17.96	17.99	19.8	0		
10	QPSK	1	24	18.01	18.03	17.95	18.01	17.99				
10	QPSK	1	40	17.93	18.02	17.95	17.93	17.95				
10	QPSK	20	0	18.01	17.97	17.93	17.93	18.02				
10	QPSK	20	12	17.95	17.97	17.98	17.95	17.99	19.8	0		
10	QPSK	20	20	17.95	17.95	17.91	17.93	17.95				
10	QPSK	50	0	17.93	18.02	18.02	17.94	18.02				
10	16QAM	1	0	17.93	18.01	18.01	18.03	17.95				
10	16QAM	1	20	17.94	17.95	18.03	17.93	18.01	19.8	0		
10	16QAM	25	0	17.93	17.95	18.01	17.98	18.03				
10	16QAM	25	40	17.95	17.95	17.95	17.93	17.98				
10	16QAM	25	20	17.93	17.95	17.98	17.95	17.94				
10	16QAM	50	0	17.93	18.02	18.02	17.95	18.01	19.8	0		
10	16QAM	50	20	17.95	18.02	18.01	18.03	18.01				
10	16QAM	50	40	17.93	17.95	17.99	17.95	17.94				
10	16QAM	50	0	17.93	18.02	18.01	17.95	18.01				
Channel												
Frequency [MHz]												
5	QPSK	1	0	18.01	17.95	18.01	17.96	17.99	19.8	0		
5	QPSK	1	12	18.03	17.94	17.95	18.02	18.02				
5	QPSK	1	24	17.95	17.95	17.95	18.02	17.95				
5	QPSK	12	0	17.95	18.02	17.95	18.02	17.95				
5	QPSK	12	7	18.03	17.95	18.01	17.98	18.02	19.8	0		
5	QPSK	12	13	18.03	17.94	17.95	18.02	18.02				
5	QPSK	20	0	18.03	17.95	17.99	17.99	18.03				
5	QPSK	20	0	17.95	17.95	17.99	17.95	17.95				
5	16QAM	1	12	17.95	18.01	18.03	18.02	17.98	19.8	0		
5	16QAM	1	24	17.95	18.02	18.01	18.01	18.01				
5	16QAM	12	0	18.03	17.93	17.97	17.93	17.93				
5	16QAM	12	7	17.93	17.94	17.97	17.93	17.93				
5	16QAM	20	0	17.94	18.02	18.01	17.99	18.03	19.8	0		
5	16QAM	20	7	17.95	17.94	18.01	17.99	18.03				
5	16QAM	12	13	17.95	17.95	18.03	18.03	18.03				
5	16QAM	12	7	17.99	17.93	18.03	17.99	17.95				
5	16QAM	20	0	17.97	17.99	17.95	18.03	17.97	19.8	0		
5	16QAM	20	7	17.99	17.93	18.03	17.99	17.95				
5	16QAM	12	13	17.99	17.93	17.99	18.02	17.95				
5	16QAM	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. [Frac]	Power Low Middle Ch. [Frac]	Power Middle Ch. [Frac]	Power High Middle Ch. [Frac]	Power High Ch. [Frac]	Time-up limit (dBm)	MPE (dB)
Channel										
Frequency [MHz]										
20	QPSK	1	0	18.03	18.03	18.03	18.03	18.03	21	0
20	QPSK	1	60	18.16	18.13	18.09	18.04	18.05		
20	QPSK	1	90	17.93	18.11	18.03	18.03	18.05		
20	QPSK	50	24	18.03	18.09	18.09	18.04	18.02		
20	QPSK	100	0	18.03	18.11	18.03	18.12	18.11	21	0
20	QPSK	100	60	18.03	18.12	18.09	18.03	18.02		
20	QPSK	100	90	17.93	18.12	18.09	18.03	18.02		
20	QPSK	100	24	18.03	18.09	18.09	18.04	18.02		
20	16QAM	1	0	18.08	18.03	18.03	18.05	18.15	21	0
20	16QAM	1	60	18.08	18.03	18.03	18.05	18.15		
20	16QAM	1	90	18.03	18.21	18.13	18.06	18.06		
20	16QAM	50	24	18.07	18.09	18.07	18.07	18.08		
20	16QAM	100	0	18.07	18.09	18.07	18.07	18.07	21	0
20	16QAM	100	60	18.07	18.09	18.07	18.07	18.07		
20	16QAM	100	90	18.05	18.15	18.05	18.11	18.06		
20	16QAM	100	24	18.02	18.10	18.10	18.12	18.05		
20	16QAM	100	0	18.03	18.09	18.03	18.10	18.10	20	1
15	QPSK	1	0	20.03	20.03	20.03	20.03	20.03		
15	QPSK	1	30	18.14	18.18	18.18	18.14	18.14	21	0
15	QPSK	1	74	18.14	18.18	18.18	18.14	18.14		
15	QPSK	36	0	18.14	18.12	18.11	18.13	18.18		
15	QPSK	36	36	18.14	18.12	18.11	18.13	18.14	21	0
15	QPSK	36	70	18.15	18.15	18.11	18.13	18.18		
15	QPSK	36	10	18.14	18.15	18.13	18.16	18.20		
15	16QAM	1	0	18.14	18.19	18.21	18.11	18.17		
15	16QAM	1	74	18.21	18.17	18.17	18.19	18.14	21	0
15	16QAM	1	90	18.21	18.17	18.17	18.19	18.14		
15	16QAM	36	20	18.11	18.21	18.14	18.15	18.15		
15	16QAM	36	36	18.15	18.12	18.12	18.15	18.18		
15	16QAM	75	0	18.16	18.13	18.21	18.13	18.18	21	0
15	16QAM	75	74	18.11	18.12	18.15	18.13	18.12		
15	16QAM	1	37	18.19	18.11	18.15	18.14	18.17		
15	16QAM	1	74	18.20	18.20	18.21	18.16	18.21		
15	16QAM	36	0	18.19	18.21	18.14	18.21	18.21	20	1
15	16QAM	36	3							
Channel										
Frequency [MHz]										
20	QPSK	1	0	18.12	18.19	18.15	18.21	18.15	21	0
20	QPSK	1	60	18.25	18.14	18.16	18.14	18.18		
20	QPSK	1	90	18.05	18.11	18.11	18.11	18.19		
20	QPSK	25	24	18.12	18.15	18.15	18.12	18.18		
20	QPSK	25	25	18.13	18.21	18.21	18.21	18.20	21	0
20	QPSK	25	50	18.13	18.21	18.21	18.21	18.20		
20	QPSK	25	75	18.13	18.21	18.21	18.21	18.20		
20	QPSK	25	100	18.13	18.21	18.21	18.21	18.20		
20	16QAM	1	0	18.21	18.20	18.17	18.11	18.19	21	0
20	16QAM	1	60	18.25	18.18	18.17	18.14	18.18		
20	16QAM	1	90	18.12	18.15	18.16	18.21	18.13		
20	16QAM	25	24	18.15	18.12	18.12	18.15	18.14		
20	16QAM	25	12	18.12	18.15	18.19	18.19	18.13	21	0
20	16QAM	25	37	18.14	18.12	18.21	18.17	18.17		
20	16QAM	50	0	18.17	18.21	18.22	18.18	18.19		
20	16QAM	50	25	18.18	18.18	18.11	18.22	18.17		
20	16QAM	1	25	18.13	18.15	18.18	18.12	18.19	21	0
20	16QAM	1	75	18.13	18.15	18.12	18.18	18.17		
20	16QAM	1	90	18.18	18.15	18.19	18.14	18.15		
20	16QAM	25	12	18.16	18.13	18.15	18.21	18.17		
20	16QAM	25	37	18.16	18.13	18.15	18.21	18.17	20	1
15	QPSK	1	0	20.13	20.13	20.13	20.13	20.13		
15	QPSK	1	30	18.18	18.18	18.18	18.18	18.18	21	0
15	QPSK	1	75	18.18	18.18	18.18	18.18	18.18		
15	QPSK	12	0	18.11	18.19	18.15	18.11	18.17		
15	QPSK	12	12	18.20	18.16	18.20	18.17	18.17	21	0
15	QPSK	12	7	18.19	18.17	18.11	18.17	18.18		
15	QPSK	12	13	18.17	18.16	18.20	18.17	18.17		
15	QPSK	20	0	18.18	18.21	18.19	18.19	18.18		
15	QPSK	20	20	18.18	18.21	18.19	18.19	18.18	21	0
15	QPSK	20	40	18.18	18.21	18.19	18.19	18.18		
15	QPSK	20	60	18.18	18.21	18.19	18.19	18.18		
15	QPSK	20	80	18.18	18.21	18.19	18.19	18.18		
15	16QAM	1	24	18.12	18.14	18.21	18.19	18.19	21	0
15	16QAM	1	74	18.15	18.14	18.21	18.19	18.19		
15	16QAM	1	90	18.15	18.14	18.21	18.19	18.19		
15	16QAM	12	7	18.14	18.19	18.21	18.14	18.12		
15	16QAM	12	13	18.12	18.12	18.14	18.12	18.12	21	0
15	16QAM	12	7	18.18	18.15	18.11	18.21	18.19		
15	16QAM	12	13	18.12	18.21	18.14	18.13	18.16		
15	16QAM	12	24	18.12	18.12	18.15	18.13	18.13		
15	16QAM	1	12	18.20	18.14	18.17	18.11	18.15	20	1
15	16QAM	1	12	18.12	18.12	18.15	18.13	18.13		
15	16QAM	12	13	18.17	18.12	18.17	18.11	18.15		
15	16QAM	12	13	18.17	18.12	18.17	18.11	18.15		

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

n5_Ant 2 DSI 2&4&6&3&5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	23.90	23.92	23.80	24.0	0.0	
20	PI2 BPSK	1	53	23.88	23.84	23.72			
20	PI2 BPSK	1	104	23.86	23.75	23.68			
20	PI2 BPSK	50	0	23.67	23.77	23.68	24.0	0.0	
20	PI2 BPSK	50	28	23.70	23.73	23.63			
20	PI2 BPSK	50	56	23.63	23.16	23.63			
20	PI2 BPSK	100	0	22.02	22.04	21.98	23.5	0.5	
20	QPSK	1	1	21.91	21.79	21.75	24.0	0.0	
20	QPSK	1	53	23.15	23.27	22.92			
20	QPSK	1	104	21.45	21.35	21.36			
20	QPSK	50	0	22.61	22.66	22.77	24.0	0.0	
20	QPSK	50	28	23.61	23.80	23.84			
20	QPSK	50	56	22.82	22.65	22.71			
20	QPSK	100	0	22.64	22.70	22.75	23.0	1.0	
20	16QAM	1	1	20.82	20.68	20.92	23.0	1.0	
20	16QAM	1	53	20.73	20.62	20.83			
20	16QAM	1	104	20.73	20.61	20.81			
20	16QAM	50	0	20.77	20.49	20.92	23.0	1.0	
20	16QAM	50	28	20.77	20.55	20.72			
20	16QAM	50	56	20.82	20.52	20.83			
20	16QAM	100	0	19.86	19.61	19.84	22.0	2.0	
20	64QAM	1	1	20.75	20.65	20.80	21.5	2.5	
20	64QAM	1	53	20.55	20.64	20.63			
20	64QAM	1	104	20.58	20.62	20.75			
20	64QAM	50	0	20.74	20.61	20.68	21.5	2.5	
20	64QAM	50	28	20.66	20.65	20.73			
20	64QAM	50	56	20.72	20.52	20.78			
20	64QAM	100	0	20.68	20.56	20.66	21.5	2.5	
20	256QAM	1	1	18.68	18.39	18.83	19.5	4.5	
20	256QAM	1	53	18.55	18.28	18.67			
20	256QAM	1	104	18.63	18.39	18.67			
20	256QAM	50	0	18.64	18.25	18.65	19.5	4.5	
20	256QAM	50	28	18.62	18.20	18.81			
20	256QAM	50	56	18.57	18.36	18.73			
20	256QAM	100	0	18.50	18.29	18.66	19.5	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	PI2 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	22.84	22.60	22.50			
15	16QAM	36	43	22.61	22.70	22.50			
15	16QAM	75	0	21.57	21.47	21.46	22.0	2.0	
15	64QAM	1	1	21.25	21.22	21.20	21.5	2.5	
15	64QAM	1	40	21.23	21.22	21.05			
15	64QAM	1	77	21.18	21.14	21.17			
15	64QAM	36	0	21.17	21.13	21.20	21.5	2.5	
15	64QAM	36	22	21.14	21.13	21.06			
15	64QAM	36	43	21.18	21.13	21.18			
15	64QAM	75	0	21.13	21.12	21.05	21.5	2.5	
15	256QAM	1	1	19.28	19.13	19.15	19.5	4.5	
15	256QAM	1	40	19.23	19.04	19.14			
15	256QAM	1	77	19.13	19.09	19.11			
15	256QAM	36	0	19.10	18.96	19.01	19.5	4.5	
15	256QAM	36	22	19.16	19.13	19.04			
15	256QAM	36	43	19.26	19.06	19.15			
15	256QAM	75	0	19.21	18.96	19.00	19.5	4.5	
Channel				165800	167300	168800	Tuneup limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	PI2 BPSK	1	1	23.75	23.62	23.70	24.0	0.0	
10	PI2 BPSK	1	26	23.56	23.50	23.55			
10	PI2 BPSK	1	50	23.71	23.54	23.50			
10	PI2 BPSK	25	0	23.63	23.56	23.51	24.0	0.0	
10	PI2 BPSK	25	14	23.61	23.62	23.50			
10	PI2 BPSK	25	27	23.62	23.59	23.66			
10	PI2 BPSK	50	0	23.19	23.01	23.14	23.5	0.5	
10	QPSK	1	1	23.71	23.53	23.62	24.0	0.0	
10	QPSK	1	26	23.58	23.45	23.59			
10	QPSK	1	50	23.65	23.40	23.49			
10	QPSK	25	0	23.57	23.37	23.54	24.0	0.0	
10	QPSK	25	14	23.64	23.45	23.42			
10	QPSK	25	27	23.63	23.33	23.62			
10	QPSK	50	0	22.52	22.34	22.53	23.0	1.0	
10	16QAM	1	1	22.49	22.49	22.55	23.0	1.0	
10	16QAM	1	26	22.49	22.43	22.38			
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	0	20.99	20.87	21.09	21.5	2.5	
10	64QAM	25	14	20.93	20.98	21.06			
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	19.5	4.5	
10	256QAM	1	26	18.93	18.77	18.88			
10	256QAM	1	50	18.84	18.75	18.89			
10	256QAM	25	0	18.88	18.77	18.77	19.5	4.5	
10	256QAM	25	14	18.86	18.90	18.75			
10	256QAM	25	27	19.01	18.90	18.76			
10	256QAM	50	0	18.94	18.88	18.94	19.5	4.5	

Channel				165300	167300	169300	Tune-up limit (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	526000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	23.42	23.80	23.79	24.0	0.0	
100	PI/2 BPSK	1	137	23.40	23.72	23.77			
100	PI/2 BPSK	1	271	23.36	23.77	23.70			
100	PI/2 BPSK	135	0	23.27	23.19	23.62	24.0	0.0	
100	PI/2 BPSK	135	69	23.21	23.73	23.52			
100	PI/2 BPSK	135	138	23.14	23.25	23.52			
100	PI/2 BPSK	270	0	23.13	23.28	23.47	23.5	0.5	
100	QPSK	1	1	23.32	23.81	23.75	24.0	0.0	
100	QPSK	1	137	23.40	23.83	23.67			
100	QPSK	1	271	23.31	23.85	23.60			
100	QPSK	135	0	23.19	22.96	23.60	24.0	0.0	
100	QPSK	135	69	23.20	23.74	23.49			
100	QPSK	135	138	23.07	22.72	22.81			
100	QPSK	270	0	22.51	22.63	22.71	23.0	1.0	
100	16QAM	1	1	22.97	22.88	22.65	23.0	1.0	
100	16QAM	1	137	22.83	22.83	22.56			
100	16QAM	1	271	22.87	22.71	22.59			
100	16QAM	135	0	22.90	22.73	22.48	23.0	1.0	
100	16QAM	135	69	22.90	22.81	22.55			
100	16QAM	135	138	22.96	22.85	22.55			
100	16QAM	270	0	21.97	21.76	21.46	22.0	2.0	
100	64QAM	1	1	21.08	21.37	21.15	21.5	2.5	
100	64QAM	1	137	20.99	21.25	21.02			
100	64QAM	1	271	21.01	21.33	21.13			
100	64QAM	135	0	21.07	21.34	21.00	21.5	2.5	
100	64QAM	135	69	21.07	21.17	20.97			
100	64QAM	135	138	20.99	21.25	21.06			
100	64QAM	270	0	20.98	21.24	20.85	21.5	2.5	
100	256QAM	1	1	19.22	19.02	18.14	19.5	4.5	
100	256QAM	1	137	19.04	18.87	18.10			
100	256QAM	1	271	19.08	18.89	18.09			
100	256QAM	135	0	19.16	18.88	18.99	19.5	4.5	
100	256QAM	135	69	19.22	18.89	18.00			
100	256QAM	135	138	19.06	18.95	18.12			
100	256QAM	270	0	18.91	18.94	18.96	19.5	4.5	
Channel				506200	516598	526996	Tune-up limit (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	526998	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	23.85	24
41055	40857	QPSK	1	0	1	99	2	0	23.84	24
41490	41292	QPSK	1	0	1	99	2	0	23.72	24

CA_41C Ant 2										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	0	0	0	1	0	23.01	23.5
40185	39987	QPSK	1	0	1	99	2	0	23.08	23.5
40620	40422	QPSK	1	0	1	99	2	0	22.95	23.5
41055	40857	QPSK	1	0	1	99	2	0	22.81	23.5
41490	41292	QPSK	1	0	1	99	2	0	22.63	23.5



CA_DSI 3										
CA_41C Ant 1										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	99	1	0	1	0	20.59	21.1
40185	39987	QPSK	1	0	1	99	2	0	20.62	21.1
40620	40422	QPSK	1	0	1	99	2	0	21	21.1
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	
	802.11ac-VHT20 MCS0	142	5710	19.20	20.00	97.94
		100	5500	16.80	17.50	
		116	5580	16.30	17.50	
		124	5620	16.15	17.50	
	802.11ac-VHT40 MCS0	132	5660	16.18	17.50	95.88
		140	5700	16.20	17.50	
		144	5720	16.30	17.50	
		102	5510	17.10	18.00	
	802.11ac-VHT80 MCS0	110	5550	19.10	20.00	91.84
		126	5630	19.03	20.00	
		134	5670	19.00	20.00	
		142	5710	19.00	20.00	

Ant 4						
5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.8GHz WLAN	802.11a 6Mbps	149	5745	20.20	21.00	98.06
		157	5785	20.20	21.00	
		165	5825	20.20	21.00	
	802.11n-HT20 MCS0	149	5745	19.30	20.50	98.19
		157	5785	19.40	20.50	
		165	5825	19.10	20.50	
	802.11n-HT40 MCS0	151	5755	19.00	20.50	95.88
		159	5795	19.20	20.50	
	802.11ac-VHT20 MCS0	149	5745	19.30	20.50	97.94
		157	5785	19.40	20.50	
		165	5825	19.10	20.50	
	802.11ac-VHT40 MCS0	151	5755	19.70	20.00	95.88
		159	5795	19.70	20.00	
	802.11ac-VHT80 MCS0	155	5775	19.40	20.00	91.84
		155	5775	19.40	20.00	

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

Ant 4						
5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180	Not Required	10.50	98.06
		40	5200		10.50	
		44	5220		10.50	
	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	Not Required	15.50	98.06
		56	5280		15.50	
		60	5300		15.50	
		64	5320		15.50	
	802.11n-HT20 MCS0	52	5260		15.50	98.19
		56	5280		15.50	
		60	5300		15.50	
		64	5320		15.50	
	802.11n-HT40 MCS0	54	5270		15.50	95.88
		62	5310		15.50	
	802.11ac-VHT20 MCS0	52	5260		15.50	97.94
		56	5280		15.50	
		60	5300		15.50	
		64	5320		15.50	
	802.11ac-VHT40 MCS0	54	5270		15.50	95.88
		62	5310		15.50	
	802.11ac-VHT80 MCS0	58	5290		15.50	91.84
		58	5290	15.13	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	Not Required	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	
	802.11n-HT40 MCS0	36	5180	13.40	14.00	95.85
		40	5200	19.40	20.00	
		46	5230	19.40	20.00	
	802.11ac-VHT20 MCS0	36	5180	16.40	17.50	97.15
		40	5200	16.21	17.50	
		44	5220	17.00	17.50	
		48	5240	17.00	17.50	
	802.11ac-VHT40 MCS0	36	5190	13.40	14.00	96.41
		46	5230	19.30	20.00	
	802.11ac-VHT80 MCS0	42	5210	12.30	13.00	92.00

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

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

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

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

5GHz WLAN		Ant 3				
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.5GHz WLAN	802.11a 6Mbps	100	5500	16.50	17.50	97.09
		116	5580	16.50	17.50	
		124	5620	16.40	17.50	
		132	5660	16.70	17.50	
		140	5700	16.60	17.50	
		144	5720	16.80	17.50	
	802.11n-HT20 MCS0	100	5500	17.20	17.50	97.93
		116	5580	17.40	17.50	
		124	5620	17.38	17.50	
		132	5660	17.15	17.50	
		140	5700	17.40	17.50	
		144	5720	17.40	17.50	
	802.11n-HT40 MCS0	102	5510	16.90	18.00	95.85
		110	5550	19.50	20.00	
		126	5630	19.63	20.00	
		134	5670	19.20	20.00	
		142	5710	19.20	20.00	
		100	5500	17.20	17.50	
	802.11ac-VHT20 MCS0	116	5580	17.30	17.50	97.15
		124	5620	17.15	17.50	
		132	5660	17.09	17.50	
		140	5700	17.30	17.50	
		144	5720	17.30	17.50	
		102	5510	17.20	18.00	
802.11ac-VHT40 MCS0	110	5550	19.30	20.00	96.41	
	126	5630	19.23	20.00		
	134	5670	19.80	20.00		
	142	5710	19.70	20.00		
	106	5530	16.30	17.00		92.00
	122	5610	19.00	19.50		
138	5690	15.10	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						
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.3GHz WLAN	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	
	802.11ac-VHT20 MCS0	142	5710	22.53	23.00	97.15
		100	5500	20.01	20.50	
		116	5580	19.84	20.50	
		124	5620	19.90	20.50	
	802.11ac-VHT40 MCS0	132	5660	19.78	20.50	95.88
		140	5700	19.80	20.50	
		144	5720	19.84	20.50	
		102	5510	20.16	21.00	
	802.11ac-VHT80 MCS0	110	5550	22.21	23.00	91.84
		126	5630	22.38	23.00	
		134	5670	22.43	23.00	
		142	5710	22.37	23.00	

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	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 MCS0	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 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	Not Required	13.50	97.35
		40	5200		13.50	
		44	5220		13.50	
		48	5240		13.50	
	802.11n-HT20 MCS0	36	5180		13.50	97.93
		40	5200		13.50	
		44	5220		13.50	
		48	5240		13.50	
	802.11n-HT40 MCS0	38	5190		13.50	95.85
		46	5230		13.50	
		36	5180		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	Not Required	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	Not Required	19.00	97.35
		116	5580		19.00	
		124	5620		19.00	
		132	5660		19.00	
		140	5700		19.00	
		144	5720			



Power Table 7						
2.4GHz WLAN	Ant 3#4					
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
2.4GHz WLAN	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 MCS9	1	2412	Not Required	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	Ant 3#4					
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.2GHz WLAN	802.11a 6Mbps	36	5180		10.50	97.35
		40	5200		10.50	
		44	5220		10.50	
		48	5240		10.50	
	802.11n-HT20 MCS9	36	5180	Not Required	10.50	97.93
		40	5200		10.50	
		44	5220		10.50	
	802.11n-HT40 MCS9	38	5190		10.50	95.85
		46	5230		10.50	
	802.11ac-VHT20 MCS9	36	5180	Not Required	10.50	97.15
		40	5200		10.50	
		44	5220		10.50	
	802.11ac-VHT40 MCS9	48	5240		10.50	95.88
		38	5190		10.50	
	802.11ac-VHT80 MCS9	46	5230	Not Required	10.50	91.84
		42	5210		10.50	

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

5GHz WLAN	Ant 3#4					
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.5GHz WLAN	802.11a 6Mbps	100	5500		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	

5.8GHz WLAN	Ant 3#4					
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.8GHz WLAN	802.11a 6Mbps	149	5745		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	Not Required	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		14.00	

2.4GHz WLAN	Ant 3#4					
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
2.4GHz WLAN	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		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	Not Required	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	Ant 3#4					
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.2GHz WLAN	802.11a 6Mbps	36	5180		15.50	97.35
		40	5200		15.50	
		44	5220		15.50	
		48	5240		15.50	
	802.11n-HT20 MCS9	36	5180	Not Required	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	Not Required	15.50	97.15
		36	5180		15.50	
		40	5200		15.50	
	802.11ac-VHT40 MCS9	44	5220		15.50	95.88
		48	5240		15.50	
	802.11ac-VHT80 MCS9	38	5190	Not Required	15.50	91.84
		46	5230		15.50	

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

5GHz WLAN	Ant 3#4					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.5GHz WLAN	802.11a 6Mbps	100	5500	Not Required	15.00	97.35
		116	5580		15.00	
		124	5620		15.00	
		132	5660		15.00	
		140	5700		15.00	
	802.11n-HT20 MCS9	144	5720		15.00	97.93
		100	5500		15.00	
		116	5580		15.00	
		124	5620		15.00	
		132	5660		15.00	
	802.11n-HT40 MCS9	140	5700		15.00	95.85
		144	5720		15.00	
		102	5510		15.00	
		110	5550		15.00	
		126	5630		15.00	
	802.11ac-VHT20 MCS9	134	5670		15.00	97.15
		142	5710		15.00	
		100	5500		15.00	
		116	5580		15.00	
		124	5620		15.00	
	802.11ac-VHT40 MCS9	132	5660		15.00	95.88
		140	5700		15.00	
		144	5720		15.00	
		102	5510		15.00	
110		5550	15.00			
802.11ac-VHT80 MCS9	126	5630	15.00	91.84		
	134	5670	15.00			
	142	5710	15.00			
	106	5530	14.85			
	122	5610	14.77			
802.11ac-VHT80 MCS9	138	5690	14.80			

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