

10728	AAC	IEEE 802.11ax (80MHz, MCS9, 90pc dc)	WLAN	8.65	± 9.6 %
10729	AAC	IEEE 802.11ax (80MHz, MCS10, 90pc dc)	WLAN	8.64	± 9.6 %
10730	AAC	IEEE 802.11ax (80MHz, MCS11, 90pc dc)	WLAN	8.67	± 9.6 %
10731	AAC	IEEE 802.11ax (80MHz, MCS0, 99pc dc)	WLAN	8.42	± 9.6 %
10732	AAC	IEEE 802.11ax (80MHz, MCS1, 99pc dc)	WLAN	8.46	± 9.6 %
10733	AAC	IEEE 802.11ax (80MHz, MCS2, 99pc dc)	WLAN	8.40	± 9.6 %
10734	AAC	IEEE 802.11ax (80MHz, MCS3, 99pc dc)	WLAN	8.25	± 9.6 %
10735	AAC	IEEE 802.11ax (80MHz, MCS4, 99pc dc)	WLAN	8.33	± 9.6 %
10736	AAC	IEEE 802.11ax (80MHz, MCS5, 99pc dc)	WLAN	8.27	± 9.6 %
10737	AAC	IEEE 802.11ax (80MHz, MCS6, 99pc dc)	WLAN	8.36	± 9.6 %
10738	AAC	IEEE 802.11ax (80MHz, MCS7, 99pc dc)	WLAN	8.42	± 9.6 %
10739	AAC	IEEE 802.11ax (80MHz, MCS8, 99pc dc)	WLAN	8.29	± 9.6 %
10740	AAC	IEEE 802.11ax (80MHz, MCS9, 99pc dc)	WLAN	8.48	± 9.6 %
10741	AAC	IEEE 802.11ax (80MHz, MCS10, 99pc dc)	WLAN	8.40	± 9.6 %
10742	AAC	IEEE 802.11ax (80MHz, MCS11, 99pc dc)	WLAN	8.43	± 9.6 %
10743	AAC	IEEE 802.11ax (160MHz, MCS0, 90pc dc)	WLAN	8.94	± 9.6 %
10744	AAC	IEEE 802.11ax (160MHz, MCS1, 90pc dc)	WLAN	9.16	± 9.6 %
10745	AAC	IEEE 802.11ax (160MHz, MCS2, 90pc dc)	WLAN	8.93	± 9.6 %
10746	AAC	IEEE 802.11ax (160MHz, MCS3, 90pc dc)	WLAN	9.11	± 9.6 %
10747	AAC	IEEE 802.11ax (160MHz, MCS4, 90pc dc)	WLAN	9.04	± 9.6 %
10748	AAC	IEEE 802.11ax (160MHz, MCS5, 90pc dc)	WLAN	8.93	± 9.6 %
10749	AAC	IEEE 802.11ax (160MHz, MCS6, 90pc dc)	WLAN	8.90	± 9.6 %
10750	AAC	IEEE 802.11ax (160MHz, MCS7, 90pc dc)	WLAN	8.79	± 9.6 %
10751	AAC	IEEE 802.11ax (160MHz, MCS8, 90pc dc)	WLAN	8.82	± 9.6 %
10752	AAC	IEEE 802.11ax (160MHz, MCS9, 90pc dc)	WLAN	8.81	± 9.6 %
10753	AAC	IEEE 802.11ax (160MHz, MCS10, 90pc dc)	WLAN	9.00	± 9.6 %
10754	AAC	IEEE 802.11ax (160MHz, MCS11, 90pc dc)	WLAN	8.94	± 9.6 %
10755	AAC	IEEE 802.11ax (160MHz, MCS0, 99pc dc)	WLAN	8.64	± 9.6 %
10756	AAC	IEEE 802.11ax (160MHz, MCS1, 99pc dc)	WLAN	8.77	± 9.6 %
10757	AAC	IEEE 802.11ax (160MHz, MCS2, 99pc dc)	WLAN	8.77	± 9.6 %
10758	AAC	IEEE 802.11ax (160MHz, MCS3, 99pc dc)	WLAN	8.69	± 9.6 %
10759	AAC	IEEE 802.11ax (160MHz, MCS4, 99pc dc)	WLAN	8.58	± 9.6 %
10760	AAC	IEEE 802.11ax (160MHz, MCS5, 99pc dc)	WLAN	8.49	± 9.6 %
10761	AAC	IEEE 802.11ax (160MHz, MCS6, 99pc dc)	WLAN	8.58	± 9.6 %
10762	AAC	IEEE 802.11ax (160MHz, MCS7, 99pc dc)	WLAN	8.49	± 9.6 %
10763	AAC	IEEE 802.11ax (160MHz, MCS8, 99pc dc)	WLAN	8.53	± 9.6 %
10764	AAC	IEEE 802.11ax (160MHz, MCS9, 99pc dc)	WLAN	8.54	± 9.6 %
10765	AAC	IEEE 802.11ax (160MHz, MCS10, 99pc dc)	WLAN	8.54	± 9.6 %
10766	AAC	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	AAC	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	AAC	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	AAC	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	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	± 9.6 %
10805	AAD	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10806	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10809	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10810	AAD	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10812	AAD	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10817	AAD	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10818	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10819	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33	± 9.6 %
10820	AAD	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	AAD	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	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10825	AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10827	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.42	± 9.6 %
10828	AAE	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.43	± 9.6 %
10829	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10830	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.63	± 9.6 %
10831	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.73	± 9.6 %
10832	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.74	± 9.6 %
10833	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10834	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.75	± 9.6 %
10835	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10836	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.66	± 9.6 %
10837	AAD	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.68	± 9.6 %
10839	AAD	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10840	AAD	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.67	± 9.6 %
10841	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.71	± 9.6 %
10843	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.49	± 9.6 %
10844	AAD	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10846	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10854	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10855	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10856	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10857	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10858	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10859	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %

10860	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10861	AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10863	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10864	AAE	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10865	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10866	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10868	AAD	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	AAD	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.66	± 9.6 %
10898	AAD	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	± 9.6 %
10899	AAD	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	± 9.6 %
10900	AAD	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10901	AAD	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10902	AAD	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10903	AAD	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10904	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10905	AAD	5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10906	AAD	5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10907	AAD	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.78	± 9.6 %
10908	AAD	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6 %
10909	AAD	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.96	± 9.6 %
10910	AAD	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	± 9.6 %
10911	AAD	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6 %
10912	AAD	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10913	AAD	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10914	AAD	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.85	± 9.6 %
10915	AAD	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	± 9.6 %
10916	AAD	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 9.6 %
10917	AAD	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	± 9.6 %
10918	AAD	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	± 9.6 %
10919	AAD	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	± 9.6 %
10920	AAD	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 9.6 %
10921	AAD	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %

10922	AAD	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.82	± 9.6 %
10923	AAD	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10924	AAD	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10925	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.95	± 9.6 %
10926	AAD	5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10927	AAD	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	± 9.6 %
10928	AAD	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10929	AAD	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10930	AAD	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10931	AAD	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10932	AAB	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	AAC	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	± 9.6 %
10937	AAB	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.77	± 9.6 %
10938	AAB	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	± 9.6 %
10939	AAB	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.82	± 9.6 %
10940	AAB	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.89	± 9.6 %
10941	AAB	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	± 9.6 %
10942	AAB	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	± 9.6 %
10943	AAB	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.95	± 9.6 %
10944	AAB	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.81	± 9.6 %
10945	AAB	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	± 9.6 %
10946	AAC	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	± 9.6 %
10947	AAB	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	± 9.6 %
10948	AAB	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	± 9.6 %
10949	AAB	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	± 9.6 %
10950	AAB	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	± 9.6 %
10951	AAB	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.92	± 9.6 %
10952	AAB	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.25	± 9.6 %
10953	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.15	± 9.6 %
10954	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.23	± 9.6 %
10955	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.42	± 9.6 %
10956	AAB	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.14	± 9.6 %
10957	AAC	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.31	± 9.6 %
10958	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.61	± 9.6 %
10959	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.33	± 9.6 %
10960	AAB	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.32	± 9.6 %
10961	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.36	± 9.6 %
10962	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.40	± 9.6 %
10963	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.55	± 9.6 %
10964	AAB	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.29	± 9.6 %
10965	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.37	± 9.6 %
10966	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.55	± 9.6 %
10967	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.42	± 9.6 %
10968	AAB	5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.49	± 9.6 %
10972	AAB	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	11.59	± 9.6 %
10973	AAB	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	9.06	± 9.6 %
10974	AAB	5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz)	5G NR FR1 TDD	10.28	± 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 tables are shown as follows.



Full Power level/Default Power level/ Pmax Power Level for WWAN

GSM850 Aircel	Best Average Power (dBm)			Tx Channel	Frame/Powerage Power (dBm)			Tx Channel
	814.2	814.4	814.8		814.2	814.4	814.8	
Frequency (MHz)	814.2	814.4	814.8	Limit	814.2	814.4	814.8	Limit
GSM 1 Tx limit	32.80	32.71	32.85	33.00	23.80	23.71	23.85	24.00
GPRS 1 Tx limit	32.80	32.80	32.80	33.00	23.80	23.80	23.80	24.00
GPRS 3 Tx limit	30.76	30.54	30.42	31.00	24.76	24.34	24.42	25.00
GPRS 3 Tx limit	29.10	29.00	29.16	30.00	24.00	24.00	24.00	25.00
GPRS 4 Tx limit	27.58	27.62	27.56	28.00	24.50	24.82	24.50	26.00
EDGE 1 Tx limit	26.14	26.11	26.16	27.00	17.14	17.11	17.16	18.00
EDGE 2 Tx limit	25.73	25.67	25.68	27.00	16.73	16.67	16.68	21.00
EDGE 3 Tx limit	24.37	24.18	24.23	25.00	20.11	19.92	19.97	21.24
EDGE 4 Tx limit	22.82	22.54	22.70	24.00	19.62	19.34	19.30	21.00

GSM850 Aircel	Best Average Power (dBm)			Tx Channel	Frame/Powerage Power (dBm)			Tx Channel
	812	861	816		812	861	816	
Frequency (MHz)	812.2	861.4	816.0	Limit	812.2	861.4	816.0	Limit
GSM 1 Tx limit	30.07	30.04	30.05	30.00	21.07	21.04	21.05	21.00
GPRS 1 Tx limit	30.19	30.32	30.16	30.50	21.19	21.32	21.16	21.50
GPRS 3 Tx limit	27.04	27.26	27.38	28.00	21.04	21.30	21.38	22.00
GPRS 3 Tx limit	26.16	26.37	26.23	27.00	21.02	22.11	21.07	22.24
GPRS 4 Tx limit	24.66	24.72	24.74	26.00	21.06	21.78	21.71	24.00
EDGE 1 Tx limit	25.07	26.07	25.79	27.00	16.07	17.07	16.79	18.00
EDGE 2 Tx limit	24.62	25.17	24.60	26.00	16.62	16.77	16.60	20.00
EDGE 3 Tx limit	23.50	23.70	23.38	24.00	19.24	19.44	19.32	20.24
EDGE 4 Tx limit	21.38	22.14	21.77	23.00	18.68	19.14	18.77	20.00

Band	WCDMA R Aircel			Tx Channel	WCDMA R Aircel			Tx Channel
	8852	8856	8858		8852	8856	8858	
Frequency (MHz)	1922.4	1924.4	1927.6	Limit	1922.4	1924.4	1927.6	Limit
SCPP Band 1	23.03	23.11	23.07	24.00	23.03	23.07	23.06	24.00
SCPP Band 6	23.16	23.22	23.15	24.00	23.11	23.15	23.07	24.00
SCPP Band 8	22.20	22.24	22.07	23.00	22.12	22.16	21.89	22.24
SCPP Band 8	22.17	22.21	22.03	23.00	22.13	22.09	21.93	22.22
SCPP Band 8	21.68	21.66	21.61	22.00	21.59	21.64	21.49	21.79
SCPP Band 8	21.64	21.72	21.48	22.00	21.49	21.62	21.44	21.68
SCPP Band 8	22.14	22.14	21.84	23.00	22.09	22.09	21.82	22.21
SCPP Band 8	22.13	22.22	21.85	23.00	22.10	22.09	21.71	22.20
SCPP Band 8	21.62	21.62	21.38	22.00	21.54	21.49	21.30	21.68
SCPP Band 8	22.17	22.09	21.49	22.00	21.42	21.38	21.06	21.79
SCPP Band 8	22.18	22.21	22.00	23.00	22.14	22.12	21.93	22.28
SCPP Band 8	20.22	20.16	20.10	21.00	20.13	20.08	19.97	20.25
SCPP Band 8	21.15	21.19	20.98	22.00	21.09	21.09	20.84	21.16
SCPP Band 8	20.16	20.22	20.08	21.00	20.07	20.09	19.89	20.18
SCPP Band 8	22.15	22.23	22.04	23.00	22.10	22.11	21.94	22.21



Band 2 Ant0										
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch./F.Freq.	Power High Ch./F.Freq.	Power High Ch./F.Freq.	Turn-up Low (dBm)	MFR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.90	22.96	22.89			24	0
20	QPSK	1	49	22.83	22.88	22.74				
20	QPSK	1	99	22.83	22.88	22.74			23	1
20	QPSK	50	0	21.96	22.08	21.91				
20	QPSK	50	24	22.04	22.16	21.98			22	2
20	QPSK	50	50	21.96	22.07	22.03				
20	QPSK	100	0	21.96	22.08	22.05			23	1
20	QPSK	100	50	21.96	22.08	22.05				
20	16QAM	1	49	21.81	21.91	21.82			22	2
20	16QAM	1	99	21.80	21.89	21.68				
20	16QAM	50	0	20.89	21.04	20.83			21	3
20	16QAM	50	24	20.96	21.09	20.95				
20	16QAM	50	50	20.96	21.03	20.95			22	2
20	16QAM	100	0	20.89	20.91	20.83				
20	16QAM	1	49	20.81	20.92	20.85			22	2
20	16QAM	1	99	20.83	20.90	20.85				
20	16QAM	50	0	19.95	19.98	19.92			21	3
20	16QAM	50	24	20.03	20.09	20.05				
20	16QAM	50	50	19.96	20.06	19.96			19	5
20	16QAM	100	0	19.92	20.03	20.07				
20	256QAM	1	49	17.92	17.97	17.94			22	2
20	256QAM	1	99	17.90	17.94	17.84				
20	256QAM	1	99	17.86	17.93	17.71			19	5
20	256QAM	50	0	16.90	17.06	16.86				
20	256QAM	50	24	18.00	18.08	17.81			22	2
20	256QAM	50	50	17.93	18.06	18.08				
20	256QAM	100	0	17.87	17.98	17.83			22	2
20	256QAM	100	0	17.87	17.98	17.83				
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.80	22.89	22.83			24	0
15	QPSK	1	24	22.80	22.89	22.83				
15	QPSK	1	74	22.72	22.79	22.67			23	1
15	QPSK	36	0	21.80	22.01	21.86				
15	QPSK	36	39	21.83	21.90	21.89			22	2
15	QPSK	36	39	21.89	21.96	21.92				
15	16QAM	1	37	21.61	21.69	21.67			23	1
15	16QAM	1	37	21.75	21.77	21.72				
15	16QAM	36	0	20.84	20.89	20.72			22	2
15	16QAM	36	20	20.88	20.84	20.88				
15	16QAM	36	20	20.88	20.90	20.87			21	3
15	16QAM	75	0	20.89	20.90	20.87				
15	16QAM	1	0	20.77	20.81	20.79			22	2
15	16QAM	1	37	20.72	20.78	20.75				
15	16QAM	1	74	20.80	20.75	20.75			19	5
15	16QAM	36	0	19.84	19.92	19.83				
15	16QAM	36	20	19.87	19.84	19.85			21	3
15	16QAM	36	39	19.87	19.81	19.81				
15	16QAM	75	0	19.78	19.83	19.82			19	5
15	256QAM	1	37	17.84	17.89	17.83				
15	256QAM	1	74	17.77	17.87	17.83			22	2
15	256QAM	1	74	17.87	17.87	17.84				
15	256QAM	36	0	17.86	17.86	17.83			19	5
15	256QAM	36	20	17.91	17.89	17.87				
15	256QAM	36	39	17.84	17.87	17.84			22	2
15	256QAM	75	0	17.84	17.84	17.83				
15	256QAM	75	0	17.84	17.84	17.83			19	5
15	256QAM	75	0	17.84	17.84	17.83				
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.80	22.89	22.83			24	0
10	QPSK	1	24	22.80	22.89	22.83				
10	QPSK	1	49	22.69	22.81	22.64			23	1
10	QPSK	1	99	22.69	22.81	22.64				
10	QPSK	25	0	22.01	22.08	21.92			22	2
10	QPSK	25	13	22.01	22.08	21.92				
10	QPSK	25	25	22.01	22.08	21.92			23	1
10	16QAM	1	0	21.73	21.82	21.72				
10	16QAM	1	25	21.72	21.84	21.69			22	2
10	16QAM	1	49	21.74	21.78	21.69				
10	16QAM	25	0	20.76	20.95	20.74			21	3
10	16QAM	25	13	20.81	20.90	20.83				
10	16QAM	25	25	20.81	20.98	20.84			22	2
10	16QAM	50	0	20.68	20.99	20.62				
10	16QAM	50	25	20.77	20.83	20.74			21	3
10	16QAM	50	50	20.66	20.79	20.74				
10	16QAM	1	49	20.75	20.80	20.68			22	2
10	16QAM	25	0	19.85	19.84	19.80				
10	16QAM	25	13	19.83	19.87	19.85			21	3
10	16QAM	25	25	19.76	19.90	19.88				
10	16QAM	50	0	19.76	19.91	19.85			22	2
10	16QAM	50	25	19.76	19.90	19.88				
10	256QAM	1	49	17.86	17.83	17.85			19	5
10	256QAM	1	49	17.86	17.83	17.85				
10	256QAM	1	49	17.86	17.83	17.85			19	5
10	256QAM	25	12	17.83	18.00	17.78				
10	256QAM	25	13	17.86	17.85	17.84			22	2
10	256QAM	50	0	17.86	18.00	17.85				
10	256QAM	50	25	17.86	18.00	17.85			21	3
10	256QAM	50	25	17.86	18.00	17.85				
10	256QAM	1	49	17.85	17.80	17.85			22	2
10	256QAM	1	49	17.85	17.80	17.85				
10	256QAM	8	0	19.86	20.01	20.01			21	3
10	256QAM	8	0	19.85	19.98	19.98				
10	256QAM	15	0	20.99	20.92	20.93			22	2
10	256QAM	15	0	20.97	21.00	20.99				
10	256QAM	15	0	20.95	21.03	20.93			21	3
10	256QAM	15	0	20.97	21.00	20.97				
10	256QAM	15	0	20.92	20.98	20.98			22	2
10	256QAM	15	0	20.92	20.98	20.98				
10	256QAM	15	0	20.92	20.98	20.98			21	3
10	256QAM	15	0	20.92	20.98	20.98				
10	256QAM	15	0	20.92	20.98	20.98			22	2
10	256QAM	15	0	20.92	20.98	20.98				
10	256QAM	15	0	20.92	20.98	20.98			21	3
10	256QAM	15	0	20.92	20.98	20.98				
10	256QAM	15	0	20.92	20.98	20.98			22	2
10	256QAM	15	0	20.92	20.98	20.98				
10	256QAM	15	0	20.92	20.98	20.98			21	3
10	256QAM	15	0	20.92	20.98	20.98				
10	256QAM	15	0	20.92	20.98	20.98			22	2
10	256QAM	15	0	20.92	20.98	20.98				
10	256QAM	15	0	20.92	20.98	20.98			21	3
10	256QAM	15	0	20.92	20.98	20.98				
10	256QAM	15	0	20.92	20.98	20.98			22	2
10	256QAM	15	0	20.92	20.98	20.98				
10	256QAM	15	0	20.92	20.98	20.98			21	3
10	256QAM	15	0	20.92	20.98	20.98				
10	256QAM	15	0	20.92	20.98	20.98			22	2
10	256QAM	15	0	20.92	20.98	20.98				
10	256QAM	15	0	20.92	20.98	20.98			21	3
10	256QAM	15	0	20.92	20.98	20.98				
10	256QAM	15	0	20.92	20.98	20.98			22	2
10	256QAM	15	0	20.92	20.98	20.98				
10	256QAM	15	0	20.92	20.98	20.98			21	3
10	256QAM	15	0	20.92	20.98	20.98				
10	256QAM	15	0	20.92	20.98	20.98			22	2
10	256QAM	15	0	20.92	20.98	20.98				
10	256QAM	15	0	20.92	20.98	20.98			21	3
10	256QAM	15	0	20.92	20.98	20.98				
10	256QAM	15	0	20.92	20.98	20.98			22	2
10	256QAM	15	0	20.92	20.98	20.98				
10	256QAM	15	0	20.92	20.98	20.98			21	3
10	256QAM	15	0	20.92	20.98	20.98				
10	256QAM	15	0	20.92	20.98	20.98			22	2
10	256QAM	15	0	20.92	20.98	20.98				
10	256QAM	15	0	20.92	20.98	20.98			21	3
10	256QAM	15	0	20.92	20.98	20.98				
10	256QAM	15	0	20.92	20.98	20.98			22	2
10	256QAM	15	0	20.92	20.98	20.98				
10	256QAM	15	0	20.92	20.98	20.98			21	3
10	256QAM	15	0	20.92	20.98	20.98				
10	256QAM	15	0	20.92	20.98	20.98			22	2
10	256QAM	15	0	20.92	20.98	20.98				
10	256QAM	15	0	20.92	20.98	20.98			21	3
10	256QAM	15	0	20.92	20.98	20.98				
10	256QAM	15	0	20.92	20.98	20.98			22	2
10	256QAM	15	0	20.92	20.98	20.98				
10	256QAM	15	0	20.92	20.98	20.98			21	3
10	256QAM	15	0	20.92	20.98	20.98				
10	256QAM	15	0	20.92	20.98	20.98			22	2
10	256QAM	15	0	20.92	20.98	20.98				
10	256QAM	15	0	20.92	20.98	20.98			21	3
10	256QAM	15	0	20.92	20.98	20.98	</			

Band 12 Ant0												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Meds Ch. / Freq.	Power High Ch. / Freq.	Turn-up Int. (dB)	MPE (dB)				
Channel												
Frequency (MHz)				704	707.5	711						
10	QPSK	1	0	23.18	23.27	23.21	24	0				
10	QPSK	1	25	23.03	23.18	23.08						
10	QPSK	1	49	23.02	23.08	22.99						
10	QPSK	25	0	22.00	22.15	22.00						
10	QPSK	25	12	22.02	22.11	22.04	23	1				
10	QPSK	25	25	22.01	22.08	21.94						
10	QPSK	50	0	22.08	22.14	22.09						
10	HQAM	15	0	22.15	22.21	22.12						
10	HQAM	1	25	22.08	22.17	22.08	23	1				
10	HQAM	1	49	22.03	22.07	21.94						
10	HQAM	25	0	20.98	21.16	21.05						
10	HQAM	25	12	21.07	21.13	21.05						
10	HQAM	25	25	21.04	21.04	20.95	22	2				
10	HQAM	50	0	21.05	21.11	21.10						
10	HQAM	1	0	21.17	21.14	21.16						
10	HQAM	1	25	21.04	21.11	20.96						
10	HQAM	1	49	20.99	21.02	20.99	21	3				
10	HQAM	25	0	20.00	20.05	19.92						
10	HQAM	25	12	19.97	20.12	20.05						
10	HQAM	25	25	20.01	20.05	19.95						
10	HQAM	50	0	19.99	20.14	20.02	19	5				
10	HQAM	1	25	18.12	18.16	18.10						
10	HQAM	1	25	17.95	18.08	18.04						
10	HQAM	1	49	18.00	18.14	18.04						
10	HQAM	25	0	18.02	18.14	18.04	19	5				
10	HQAM	25	12	17.99	18.16	18.02						
10	HQAM	25	25	18.00	18.03	18.00						
10	HQAM	50	0	18.12	18.17	18.10						
Channel												
Frequency (MHz)				705.5 <th>707.5</th> <th>713.5<th>Turn-up Int. (dB)</th><th colspan="3">MPE (dB)</th></th>	707.5	713.5 <th>Turn-up Int. (dB)</th> <th colspan="3">MPE (dB)</th>	Turn-up Int. (dB)	MPE (dB)				
5	QPSK	1	0	23.08	23.15	23.11	24	0				
5	QPSK	1	12	22.92	23.11	22.99						
5	QPSK	1	24	22.96	22.99	22.95						
5	QPSK	12	0	21.03	22.10	21.94						
5	QPSK	12	7	21.03	21.08	21.02	23	1				
5	QPSK	12	13	21.03	21.06	21.02						
5	QPSK	25	0	22.00	22.03	22.00						
5	HQAM	1	0	22.09	22.16	21.98						
5	HQAM	1	12	22.02	22.13	22.01	23	1				
5	HQAM	1	24	21.96	22.05	21.91						
5	HQAM	12	0	20.85	21.01	21.00						
5	HQAM	12	7	21.01	21.08	20.98						
5	HQAM	12	13	20.96	21.04	20.95	22	2				
5	HQAM	25	0	20.93	21.06	21.00						
5	HQAM	1	0	21.04	21.04	21.03						
5	HQAM	1	12	21.06	21.09	21.00						
5	HQAM	1	24	20.97	20.94	20.95	21	3				
5	HQAM	12	0	19.89	20.01	19.88						
5	HQAM	12	7	19.85	19.91	19.81						
5	HQAM	12	13	19.95	19.94	19.91						
5	HQAM	25	0	19.87	20.07	19.86	19	5				
5	HQAM	1	0	18.00	18.00	18.00						
5	HQAM	1	12	17.80	18.04	17.95						
5	HQAM	1	24	17.88	17.97	17.89						
5	HQAM	12	0	17.97	18.05	17.94	19	5				
5	HQAM	12	7	17.88	18.03	17.93						
5	HQAM	12	13	17.92	17.85	17.86						
5	HQAM	25	0	18.02	18.06	18.05						
Channel												
Frequency (MHz)				706.5 <th>707.5</th> <th>714.5</th> <th>Turn-up Int. (dB)</th> <th colspan="3">MPE (dB)</th>	707.5	714.5	Turn-up Int. (dB)	MPE (dB)				
3	QPSK	1	0	23.08	23.19	23.04	24	0				
3	QPSK	1	8	22.97	23.11	22.94						
3	QPSK	1	14	22.90	23.00	22.96						
3	QPSK	8	0	21.88	22.12	21.94						
3	QPSK	8	4	21.94	21.99	21.90	23	1				
3	QPSK	8	7	21.88	21.94	21.87						
3	QPSK	15	0	22.01	22.02	22.01						
3	HQAM	1	0	22.09	22.10	22.08						
3	HQAM	1	8	21.98	22.14	21.96	23	1				
3	HQAM	1	14	21.97	21.94	21.96						
3	HQAM	8	0	20.94	21.08	20.95						
3	HQAM	8	4	21.03	21.02	21.00						
3	HQAM	8	7	20.96	20.91	20.82	22	2				
3	HQAM	15	0	20.90	21.01	20.97						
3	HQAM	1	0	21.03	21.07	21.07						
3	HQAM	8	8	21.01	20.96	20.87						
3	HQAM	1	14	20.93	20.90	20.91	21	3				
3	HQAM	8	0	19.94	19.99	19.97						
3	HQAM	8	4	19.89	20.05	19.94						
3	HQAM	8	7	19.89	19.99	19.82						
3	HQAM	15	0	19.94	20.07	19.90	19	5				
3	HQAM	1	0	18.04	18.04	18.00						
3	HQAM	1	8	17.89	17.99	17.82						
3	HQAM	1	14	17.86	17.96	17.86						
3	HQAM	8	0	17.87	18.05	17.90	19	5				
3	HQAM	8	4	17.91	18.09	17.88						
3	HQAM	8	7	17.94	17.90	17.85						
3	HQAM	15	0	18.01	18.07	18.07						
Channel												
Frequency (MHz)				706.7 <th>707.5<th>717.3<th>Turn-up Int. (dB)</th><th colspan="3">MPE (dB)</th></th></th>	707.5 <th>717.3<th>Turn-up Int. (dB)</th><th colspan="3">MPE (dB)</th></th>	717.3 <th>Turn-up Int. (dB)</th> <th colspan="3">MPE (dB)</th>	Turn-up Int. (dB)	MPE (dB)				
1.4	QPSK	1	0	23.12	23.09	23.08	24	0				
1.4	QPSK	1	3	22.99	23.10	22.96						
1.4	QPSK	1	5	22.94	22.94	22.92						
1.4	QPSK	3	0	22.91	23.07	22.95						
1.4	QPSK	3	1	22.90	23.00	22.94	23	1				
1.4	QPSK	3	3	22.91	23.01	22.81						
1.4	QPSK	8	0	21.09	22.06	22.04						
1.4	HQAM	1	0	22.10	22.16	22.08						
1.4	HQAM	1	3	22.03	22.05	22.02	23	1				
1.4	HQAM	1	5	21.91	22.02	21.89						
1.4	HQAM	3	0	21.85	22.02	22.01						
1.4	HQAM	3	1	21.96	22.04	21.95						
1.4	HQAM	3	3	22.00	22.01	21.84	22	2				
1.4	HQAM	8	0	20.95	21.06	20.95						
1.4	HQAM	1	0	21.09	21.08	21.05						
1.4	HQAM	1	3	20.99	21.05	20.91						
1.4	HQAM	1	5	20.90	20.95	20.85	22	2				
1.4	HQAM	3	0	20.89	20.97	20.89						
1.4	HQAM	3	1	20.85	21.04	21.01						
1.4	HQAM	3	3	20.89	20.97	20.89						
1.4	HQAM	8	0	19.96	20.01	19.91	21	3				
1.4	HQAM	1	0	18.05	18.07	18.11						
1.4	HQAM	1	3	17.85	17.99	17.82						
1.4	HQAM	1	5	17.87	17.96	17.86						
1.4	HQAM	3	0	17.92	18.10	17.86	19	5				
1.4	HQAM	3	1	17.94	18.11	17.90						
1.4	HQAM	3	3	17.93	17.89	17.94						
1.4	HQAM	5	0	18.03	18.00	17.99						

Band 25 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Max Ch / Freq	Turn-up time (sec)	APR3 (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.63	22.66	22.81			
20	QPSK	1	49	22.75	22.78	22.93	24	0	
20	QPSK	1	99	22.69	22.76	22.82			
20	QPSK	50	0	21.75	21.80	21.79			
20	QPSK	50	24	21.81	21.84	21.88	23	1	
20	QPSK	50	50	21.76	21.89	21.82			
20	QPSK	100	0	21.65	22.05	21.82			
20	16QAM	1	0	21.81	21.85	21.73			
20	16QAM	1	49	21.67	21.75	21.81	23	1	
20	16QAM	1	99	21.77	21.83	21.79			
20	16QAM	50	0	20.71	20.95	20.84			
20	16QAM	50	24	20.69	20.92	20.78	22	2	
20	16QAM	50	50	20.84	20.75	20.71			
20	16QAM	100	0	20.94	20.98	20.90			
20	64QAM	1	0	20.78	20.92	20.80			
20	64QAM	1	49	20.69	20.75	20.61	22	2	
20	64QAM	1	99	20.88	20.95	20.84			
20	64QAM	50	0	19.74	19.83	19.70			
20	64QAM	50	24	19.57	19.72	19.68	21	3	
20	64QAM	50	50	19.80	19.74	19.82			
20	64QAM	100	0	19.84	19.89	19.78			
20	256QAM	1	49	17.84	17.95	17.87	19	5	
20	256QAM	1	99	17.75	17.89	17.85			
20	256QAM	50	0	17.80	17.87	17.82			
20	256QAM	50	24	17.83	17.90	17.75	19	5	
20	256QAM	50	50	17.74	17.81	17.70			
20	256QAM	100	0	17.82	17.89	17.79			

Channel									
Frequency (MHz)									
16	QPSK	1	0	22.79	22.85	22.89			
16	QPSK	1	37	22.85	22.89	22.81	24	0	
16	QPSK	1	74	22.63	22.63	22.56			
16	QPSK	36	0	21.69	21.83	21.76			
16	QPSK	36	24	21.68	21.71	21.81	23	1	
16	QPSK	36	39	21.68	21.77	21.68			
16	QPSK	75	0	21.63	21.96	21.85			
16	16QAM	1	0	21.77	21.75	21.69			
16	16QAM	1	37	21.55	21.67	21.52	23	1	
16	16QAM	1	74	21.79	21.84	21.71			
16	16QAM	36	0	20.81	20.70	20.87			
16	16QAM	36	20	20.59	20.68	20.67	22	2	
16	16QAM	36	39	20.65	20.78	20.64			
16	16QAM	75	0	20.78	20.83	20.76			
16	64QAM	1	0	20.66	20.78	20.76			
16	64QAM	1	37	20.58	20.69	20.68	22	2	
16	64QAM	1	74	20.81	20.87	20.75			
16	64QAM	36	0	19.65	19.80	19.85			
16	64QAM	36	20	19.53	19.68	19.63	21	3	
16	64QAM	36	39	19.58	19.62	19.50			
16	64QAM	75	0	19.71	19.78	19.68			
16	256QAM	1	49	17.70	17.75	17.75	19	5	
16	256QAM	1	99	17.80	17.91	17.81			
16	256QAM	1	74	17.81	17.83	17.81			
16	256QAM	50	0	17.76	17.76	17.81	19	5	
16	256QAM	36	39	17.80	17.74	17.65			
16	256QAM	75	0	17.72	17.75	17.75			

Channel									
Frequency (MHz)									
20	QPSK	1	0	22.77	22.81	22.84			
20	QPSK	1	25	22.68	22.75	22.66	24	0	
20	QPSK	1	49	22.66	22.62	22.57			
20	QPSK	12	0	21.70	21.86	21.78			
20	QPSK	25	12	21.67	21.78	21.80	23	1	
20	QPSK	25	25	21.65	21.84	21.75			
20	QPSK	50	0	21.80	21.90	21.85			
20	16QAM	1	0	21.73	21.73	21.84			
20	16QAM	1	26	21.68	21.70	21.55	23	1	
20	16QAM	1	49	21.71	21.79	21.71			
20	16QAM	25	0	20.63	20.92	20.84			
20	16QAM	25	12	20.64	20.88	20.74	22	2	
20	16QAM	50	0	20.60	20.90	20.79			
20	16QAM	50	1	20.71	20.81	20.75			
20	64QAM	1	0	20.61	20.89	20.88	22	2	
20	64QAM	1	49	20.74	20.91	20.79			
20	64QAM	25	0	19.61	19.71	19.58			
20	64QAM	25	12	19.48	19.60	19.54	21	3	
20	64QAM	25	25	19.47	19.62	19.56			
20	64QAM	50	0	19.70	19.85	19.87			
20	256QAM	1	49	17.68	17.78	17.68	19	5	
20	256QAM	1	26	17.74	17.87	17.75			
20	256QAM	25	0	17.67	17.75	17.65			
20	256QAM	25	12	17.71	17.82	17.65	19	5	
20	256QAM	25	25	17.66	17.68	17.61			
20	256QAM	50	0	17.73	17.83	17.68			

Channel									
Frequency (MHz)									
5	QPSK	1	0	22.77	22.81	22.84			
5	QPSK	1	12	22.69	22.71	22.83	24	0	
5	QPSK	1	24	22.59	22.61	22.55			
5	QPSK	12	0	21.70	21.86	21.78			
5	QPSK	12	7	21.67	21.79	21.74	23	1	
5	QPSK	12	13	21.71	21.76	21.72			
5	QPSK	20	0	21.88	21.88	21.81			
5	16QAM	1	0	21.67	21.71	21.85			
5	16QAM	1	12	21.61	21.69	21.49	23	1	
5	16QAM	1	24	21.62	21.68	21.71			
5	16QAM	12	0	20.68	20.73	20.75			
5	16QAM	12	7	20.56	20.72	20.69	22	2	
5	16QAM	12	13	20.50	20.71	20.65			
5	16QAM	25	0	20.72	20.84	20.87			
5	64QAM	1	0	20.63	20.78	20.74	22	2	
5	64QAM	1	24	20.64	20.81	20.83			
5	64QAM	12	0	19.61	19.73	19.59			
5	64QAM	12	7	19.48	19.63	19.63	21	3	
5	64QAM	12	13	19.46	19.63	19.59			
5	64QAM	25	0	19.79	19.83	19.71			
5	256QAM	1	49	17.69	17.78	17.67	19	5	
5	256QAM	1	12	17.77	17.89	17.75			
5	256QAM	1	24	17.86	17.77	17.76			
5	256QAM	12	0	17.72	17.87	17.79			
5	256QAM	12	7	17.74	17.77	17.71	19	5	
5	256QAM	12	13	17.68	17.67	17.62			
5	256QAM	25	0	17.69	17.82	17.72			

Channel									
Frequency (MHz)									
3	QPSK	1	0	22.71	22.80	22.75			
3	QPSK	1	8	22.71	22.84	22.86	24	0	
3	QPSK	1	14	22.61	22.62	22.61			
3	QPSK	8	0	21.65	21.87	21.74			
3	QPSK	8	4	21.76	21.79	21.76	23	1	
3	QPSK	8	7	21.69	21.76	21.73			
3	QPSK	15	0	21.89	21.84	21.82			
3	16QAM	1	0	21.67	21.70	21.68			
3	16QAM	1	8	21.62	21.63	21.48	23	1	
3	16QAM	1	14	21.72	21.68	21.66			
3	16QAM	8	0	20.64	20.81	20.66			
3	16QAM	8	4	20.66	20.75	20.64	22	2	
3	16QAM	8	7	20.51	20.71	20.69			
3	16QAM	15	0	20.80	20.93	20.77			
3	16QAM	15	8	20.67	20.87	20.77	22	2	
3	16QAM	15	8	20.66	20.95	20.82			
3	64QAM	1	14	20.81	20.81	20.75			
3	64QAM	8	0	19.69	19.77	19.67			
3	64QAM	8	4	19.45	19.68	19.56	21	3	
3	64QAM	8	7	19.47	19.71	19.56			
3	256QAM	1	0	17.69	17.73	17.69			
3	256QAM	1	8	17.69	17.81	17.76	19	5	
3	256QAM	1	14	17.71	17.77	17.77			
3	256QAM	8	0	17.71	17.85	17.73	19	5	
3	256QAM	8	4	17.74	17.82	17.70			
3	256QAM	8	7	17.62	17.67	17.60			
3	256QAM	15	0	17.65	17.82	17.72			

Channel				20047			20048			Turn-on time (s)	MPN (dB)
Frequency (MHz)				185.7	186	184.3					
1.4	QPSK	1	0	22.70	22.79	22.75					
1.4	QPSK	1	3	22.69	22.72	22.59	24	0			
1.4	QPSK	3	0	22.67	22.75	22.68					
1.4	QPSK	3	1	22.67	22.69	22.80	23	1			
1.4	QPSK	3	3	22.73	22.78	22.72					
1.4	16QAM	1	0	21.80	21.80	21.80					
1.4	16QAM	1	0	21.72	21.72	21.67	23	1			
1.4	16QAM	1	3	21.87	21.70	21.63					
1.4	16QAM	1	5	21.82	21.73	21.61					
1.4	16QAM	3	0	21.87	21.73	21.65					
1.4	16QAM	3	1	21.50	21.68	21.57					
1.4	16QAM	3	3	20.90	20.94	20.84	22	2			
1.4	16QAM	3	5	20.70	20.87	20.74					
1.4	64QAM	1	0	20.80	20.85	20.84					
1.4	64QAM	1	3	20.81	20.86	20.75					
1.4	64QAM	3	0	20.63	20.74	20.56	22	2			
1.4	64QAM	3	1	20.61	20.61	20.60					
1.4	64QAM	3	3	20.53	20.63	20.50					
1.4	64QAM	6	0	19.71	19.84	19.70	21	3			
1.4	256QAM	1	0	17.68	17.71	17.68					
1.4	256QAM	1	3	17.69	17.91	17.75					
1.4	256QAM	1	5	17.71	17.77	17.77	19	5			
1.4	256QAM	3	0	17.66	17.73	17.70					
1.4	256QAM	3	1	17.74	17.82	17.82					
1.4	256QAM	3	3	17.62	17.67	17.60					
1.4	256QAM	3	5	17.63	17.68	17.60					



Band 38 Ant0												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	22.98	23.10	23.06	24	0				
20	QPSK	1	49	22.97	23.11	23.02						
20	QPSK	1	98	22.93	23.07	23.02						
20	QPSK	50	0	22.14	22.20	22.09						
20	QPSK	50	24	22.06	22.12	22.05	23	1				
20	QPSK	50	50	22.02	22.08	21.98						
20	QPSK	100	0	22.11	22.16	22.07						
20	16QAM	1	0	21.60	21.64	22.03						
20	16QAM	1	49	21.60	22.01	21.89	23	1				
20	16QAM	1	99	21.97	21.92	21.90						
20	16QAM	50	0	21.06	21.10	21.04						
20	16QAM	50	24	21.02	21.02	20.94						
20	16QAM	50	50	20.90	20.97	20.91	22	2				
20	16QAM	100	0	21.03	21.10	20.94						
20	84QAM	1	0	20.95	21.14	21.07						
20	84QAM	1	49	20.98	21.04	20.95						
20	84QAM	1	99	20.95	21.07	21.00	22	2				
20	84QAM	50	0	20.13	20.10	20.05						
20	84QAM	50	24	20.05	20.03	20.07						
20	84QAM	50	50	19.99	19.99	19.97						
20	84QAM	100	0	20.01	20.13	20.02	21	3				
20	256QAM	1	0	17.85	18.21	18.07						
20	256QAM	1	49	17.84	18.19	18.06						
20	256QAM	1	99	17.91	18.12	18.06						
20	256QAM	50	0	18.03	18.22	18.07	19	5				
20	256QAM	50	24	18.03	18.15	18.03						
20	256QAM	50	50	18.01	18.12	18.00						
20	256QAM	100	0	18.10	18.21	18.03						
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.74	23.16	23.12	24	0				
15	QPSK	1	47	22.89	23.09	22.99						
15	QPSK	1	74	22.81	22.93	22.91						
15	QPSK	36	0	22.01	22.07	21.91						
15	QPSK	36	20	21.97	21.98	21.96	23	1				
15	QPSK	36	49	21.92	22.02	21.97						
15	QPSK	75	0	21.99	22.13	21.92						
15	16QAM	1	0	21.79	21.90	21.90						
15	16QAM	1	47	21.63	21.87	21.80	23	1				
15	16QAM	1	74	21.74	21.88	21.88						
15	16QAM	36	0	21.01	21.11	20.90						
15	16QAM	36	20	20.92	20.95	20.87						
15	16QAM	36	49	20.78	20.87	20.83	22	2				
15	16QAM	75	0	20.82	21.01	20.82						
15	84QAM	1	0	20.98	21.09	20.97						
15	84QAM	1	47	20.98	20.94	20.83						
15	84QAM	1	74	20.77	21.02	20.86	22	2				
15	84QAM	36	0	20.05	20.05	19.95						
15	84QAM	36	20	19.94	19.90	20.00						
15	84QAM	36	49	19.92	19.99	19.92						
15	84QAM	75	0	19.93	20.00	19.93	21	3				
15	256QAM	1	0	17.84	18.18	17.88						
15	256QAM	1	47	17.87	17.98	17.89						
15	256QAM	1	74	17.80	18.00	17.83						
15	256QAM	36	0	18.03	18.07	17.98	19	5				
15	256QAM	36	20	17.91	18.01	17.94						
15	256QAM	36	49	17.97	18.04	17.95						
15	256QAM	75	0	17.88	18.07	17.90						
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.48	23.04	22.98	24	0				
10	QPSK	1	25	22.94	23.08	22.88						
10	QPSK	1	49	22.80	22.94	22.60						
10	QPSK	36	0	22.02	22.06	21.96						
10	QPSK	25	12	21.04	22.06	21.91	23	1				
10	QPSK	25	25	21.00	21.93	21.82						
10	QPSK	50	0	22.04	22.11	21.98						
10	16QAM	1	0	21.76	21.89	21.96						
10	16QAM	1	25	21.77	21.96	21.85	23	1				
10	16QAM	1	49	21.60	21.78	21.89						
10	16QAM	25	0	20.98	21.04	20.91						
10	16QAM	25	12	20.92	20.97	20.81						
10	16QAM	25	25	20.84	20.93	20.79	22	2				
10	16QAM	50	0	20.88	20.89	20.89						
10	84QAM	1	0	20.85	21.01	20.83						
10	84QAM	1	49	20.81	21.03	20.91						
10	84QAM	25	0	20.02	20.11	19.95	21	3				
10	84QAM	25	12	20.00	19.95	19.96						
10	84QAM	25	25	19.89	19.85	19.84						
10	84QAM	50	0	19.97	20.03	19.91						
10	256QAM	1	0	17.92	18.10	17.92	19	5				
10	256QAM	1	25	17.86	18.00	17.97						
10	256QAM	1	49	17.83	18.02	17.91						
10	256QAM	25	0	18.05	18.12	17.94						
10	256QAM	25	12	17.95	18.11	17.95	19	5				
10	256QAM	25	25	17.85	17.97	17.92						
10	256QAM	50	0	18.04	18.08	17.94						
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.94	23.10	23.04	24	0				
5	QPSK	1	12	22.87	23.04	22.97						
5	QPSK	1	24	22.85	23.02	22.91						
5	QPSK	12	0	22.02	22.08	21.98						
5	QPSK	12	7	22.01	21.98	21.94	23	1				
5	QPSK	12	13	21.95	22.01	21.91						
5	QPSK	25	0	22.04	22.07	22.03						
5	16QAM	1	0	21.83	21.94	21.90						
5	16QAM	1	12	21.82	21.87	21.85	23	1				
5	16QAM	1	24	21.76	21.84	21.82						
5	16QAM	12	0	20.96	21.10	20.92						
5	16QAM	12	7	20.88	20.89	20.83						
5	16QAM	12	13	20.98	20.84	20.77	22	2				
5	16QAM	25	0	20.99	21.04	20.91						
5	16QAM	1	0	20.90	21.05	21.01						
5	16QAM	1	12	20.95	20.91	20.84						
5	84QAM	1	24	20.70	20.97	20.92	22	2				
5	84QAM	12	0	20.03	20.02	19.97						
5	84QAM	12	7	20.01	19.98	19.91						
5	84QAM	12	13	19.85	19.92	19.91						
5	84QAM	25	0	19.91	20.07	19.99	21	3				
5	256QAM	1	0	17.89	18.11	18.03						
5	256QAM	1	12	17.83	17.95	17.95						
5	256QAM	1	24	17.85	18.02	17.88						
5	256QAM	12	0	18.06	18.10	17.99	19	5				
5	256QAM	12	7	17.94	18.06	17.95						
5	256QAM	12	13	17.96	18.06	17.94						
5	256QAM	25	0	17.98	18.12	17.88						

Band 38 HPUE Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				37850	38000	38150			
20	QPSK	1	0	25.38	25.54	25.46	27	0	
20	QPSK	1	49	25.32	25.40	25.31			
20	QPSK	1	99	25.40	25.48	25.42			
20	QPSK	50	0	24.49	24.62	24.58			
20	QPSK	50	24	24.42	24.55	24.51	26	1	
20	QPSK	50	50	24.35	24.47	24.39			
20	QPSK	100	0	24.45	24.57	24.52			
20	16QAM	1	0	24.74	24.84	24.69	26	1	
20	16QAM	1	49	24.68	24.78	24.61			
20	16QAM	1	99	24.86	24.92	24.82			
20	16QAM	50	0	23.54	23.62	23.58			
20	16QAM	50	24	23.47	23.58	23.50	25	2	
20	16QAM	50	50	23.46	23.51	23.48			
20	16QAM	100	0	23.54	23.60	23.59			
20	16QAM	100	0	23.51	23.54	23.52	24	3	
20	16QAM	1	49	23.34	23.45	23.35			
20	16QAM	1	99	23.47	23.51	23.41			
20	16QAM	50	0	22.63	22.67	22.58			
20	16QAM	50	24	22.48	22.63	22.52	24	3	
20	16QAM	50	50	22.48	22.52	22.45			
20	16QAM	100	0	22.47	22.61	22.54			
20	16QAM	100	0	22.57	22.70	22.69	22	5	
20	256QAM	1	49	20.97	20.97	20.99			
20	256QAM	1	99	20.97	20.97	20.99			
20	256QAM	1	99	20.97	20.97	20.99			
20	256QAM	1	99	20.97	20.97	20.99	22	5	
20	256QAM	50	24	20.72	20.82	20.73			
20	256QAM	50	50	20.62	20.69	20.69			
20	256QAM	100	0	20.63	20.65	20.64			
Channel									
Frequency (MHz)				37825	38000	38175	Tune-up Int. (dBm)	MPR (dB)	
Frequency (MHz)				24.72	24.88	24.72			
15	QPSK	1	37	25.11	25.13	25.22	26	1	
15	QPSK	1	37	25.21	25.34	25.22			
15	QPSK	1	74	25.27	25.36	25.34			
15	QPSK	1	74	25.35	25.44	25.42			
15	QPSK	36	20	24.38	24.49	24.38	26	1	
15	QPSK	36	56	24.38	24.49	24.38			
15	QPSK	75	0	24.30	24.44	24.43			
15	16QAM	1	0	24.63	24.68	24.58	26	1	
15	16QAM	1	37	24.71	24.76	24.68			
15	16QAM	1	74	24.80	24.85	24.82			
15	16QAM	36	0	23.50	23.58	23.48			
15	16QAM	36	0	23.51	23.61	23.50	25	2	
15	16QAM	36	36	23.24	23.41	23.35			
15	16QAM	75	0	23.47	23.55	23.46			
15	16QAM	75	0	23.43	23.50	23.38	24	3	
15	16QAM	1	37	23.19	23.37	23.34			
15	16QAM	1	37	23.29	23.41	23.38			
15	16QAM	36	0	22.54	22.60	22.50			
15	16QAM	36	20	22.39	22.41	22.27	24	3	
15	16QAM	36	56	22.39	22.41	22.27			
15	16QAM	75	0	22.37	22.49	22.42			
15	16QAM	75	0	22.37	22.49	22.42	22	5	
15	256QAM	1	37	20.41	20.57	20.48			
15	256QAM	1	74	20.41	20.50	20.38			
15	256QAM	1	74	20.41	20.50	20.38			
15	256QAM	36	20	20.59	20.78	20.72	22	5	
15	256QAM	36	56	20.59	20.69	20.47			
15	256QAM	75	0	20.55	20.61	20.46			
Channel									
Frequency (MHz)				37800	38000	38200	Tune-up Int. (dBm)	MPR (dB)	
Frequency (MHz)				24.56	24.69	24.45			
10	QPSK	1	25	26.50	26.59	26.57	27	0	
10	QPSK	1	25	26.20	26.34	26.19			
10	QPSK	1	49	26.11	26.24	26.17			
10	QPSK	25	0	26.39	26.47	26.40			
10	QPSK	25	12	26.38	26.43	26.47	26	1	
10	QPSK	25	12	26.38	26.43	26.47			
10	QPSK	50	0	24.33	24.43	24.41			
10	16QAM	1	0	24.68	24.81	24.65	26	1	
10	16QAM	1	49	24.68	24.81	24.65			
10	16QAM	1	99	24.84	24.94	24.81			
10	16QAM	25	0	23.42	23.56	23.50			
10	16QAM	25	12	23.28	23.42	23.35	25	2	
10	16QAM	25	12	23.28	23.42	23.35			
10	16QAM	50	0	23.35	23.36	23.30			
10	16QAM	50	0	23.40	23.47	23.34	24	3	
10	16QAM	1	25	23.29	23.38	23.25			
10	16QAM	1	49	23.29	23.43	23.32			
10	16QAM	25	0	22.48	22.60	22.53			
10	16QAM	25	12	22.35	22.48	22.35	24	3	
10	16QAM	25	12	22.35	22.48	22.35			
10	16QAM	50	0	22.39	22.59	22.44			
10	256QAM	1	25	20.45	20.64	20.46	22	5	
10	256QAM	1	25	20.48	20.57	20.45			
10	256QAM	1	49	20.41	20.41	20.33			
10	256QAM	1	49	20.41	20.41	20.33			
10	256QAM	25	12	20.69	20.75	20.67	22	5	
10	256QAM	25	12	20.69	20.75	20.67			
10	256QAM	25	25	20.54	20.62	20.51			
Channel									
Frequency (MHz)				37775	38000	38225	Tune-up Int. (dBm)	MPR (dB)	
Frequency (MHz)				24.52	24.69	24.45			
5	QPSK	1	12	26.22	26.26	26.27	27	0	
5	QPSK	1	12	26.27	26.33	26.28			
5	QPSK	12	0	24.44	24.46	24.44			
5	QPSK	12	0	24.33	24.46	24.44			
5	QPSK	25	0	24.31	24.54	24.41	26	1	
5	16QAM	1	12	24.68	24.73	24.61			
5	16QAM	1	12	24.68	24.73	24.61			
5	16QAM	1	24	24.64	24.59	24.61	26	1	
5	16QAM	1	24	24.64	24.59	24.61			
5	16QAM	12	7	23.32	23.41	23.31			
5	16QAM	12	13	23.35	23.48	23.36			
5	16QAM	1	12	23.31	23.31	23.40	24	3	
5	16QAM	1	12	23.30	23.30	23.47			
5	16QAM	12	7	22.44	22.43	22.27			
5	16QAM	12	13	22.48	22.53	22.41	24	3	
5	16QAM	25	0	22.42	22.56	22.42			
5	16QAM	25	0	22.50	22.50	22.43			
5	256QAM	1	12	20.44	20.48	20.53	22	5	
5	256QAM	1	24	20.44	20.40	20.38			
5	256QAM	1	24	20.58	20.57	20.41			
5	256QAM	12	7	20.65	20.70	20.69			
5	256QAM	12	13	20.57	20.60	20.49	22	5	
5	256QAM	12	13	20.47	20.54	20.48			
5	256QAM	12	13	20.57	20.60	20.49			



Band 41 Ant0													
BW [MHz]	Modulation	RIS Size	RIS Offset	Ref. IC Power Low Ch / Freq	Power Low Ch / Freq	Power Low Ch / Freq	Power Low Ch / Freq	Power Low Ch / Freq	Power Low Ch / Freq	Power Low Ch / Freq	Power Low Ch / Freq	Power Low Ch / Freq	Power Low Ch / Freq
Channel													
Frequency (MHz)													
20	QPSK	1	0	22.93	22.98	23.14	23.21	23.23	23.25				
20	QPSK	1	49	22.90	22.93	22.88	23.02	22.83	22.95				
20	QPSK	50	50	22.97	22.96	23.00	23.02	22.95	23.01				
20	QPSK	50	24	21.98	22.00	22.05	22.12	22.03	22.04				
20	QPSK	50	50	22.01	21.94	21.91	22.02	21.93	21.94				
20	QPSK	100	0	22.04	22.03	22.05	22.18	22.07	22.09				
20	16QAM	1	0	21.98	21.99	22.10	22.27	22.19	22.26				
20	16QAM	50	24	21.93	21.98	21.92	21.99	21.98	21.99				
20	16QAM	50	50	21.96	21.94	21.91	22.02	21.93	21.94				
20	16QAM	100	0	21.97	21.92	21.99	22.12	22.07	22.11				
20	16QAM	1	99	21.96	22.04	21.99	22.07	22.01	22.07				
20	64QAM	1	0	21.11	21.05	21.12	21.16	21.04	21.17				
20	64QAM	50	24	21.03	21.08	21.02	21.09	21.08	21.09				
20	64QAM	50	50	20.98	20.96	20.93	21.06	21.05	20.97				
20	64QAM	100	0	20.97	20.94	21.01	21.23	21.20	21.11				
20	64QAM	1	49	20.90	20.96	20.91	21.07	20.92	20.90				
20	64QAM	1	99	20.96	20.85	21.01	21.17	21.00	21.05				
20	64QAM	50	0	20.04	20.06	20.09	20.31	20.14	20.17				
20	64QAM	50	24	19.94	19.98	20.11	20.17	20.00	20.00				
20	64QAM	50	50	19.99	19.98	19.97	20.09	20.02	19.93				
20	64QAM	100	0	20.01	20.08	20.11	20.32	20.14	20.10				
20	256QAM	1	0	17.85	17.86	18.02	18.19	18.15	18.14				
20	256QAM	1	49	17.87	17.84	17.88	18.01	17.84	17.84				
20	256QAM	1	99	17.83	17.97	17.93	18.09	18.02	17.98				
20	256QAM	50	24	17.85	17.82	17.84	17.97	17.86	17.87				
20	256QAM	50	50	17.89	17.87	17.85	18.09	17.88	17.93				
20	256QAM	100	0	18.00	18.03	18.02	18.05	18.01	18.06				
Channel													
Frequency (MHz)													
15	QPSK	1	0	22.87	22.83	22.83	22.93	22.87	22.87				
15	QPSK	1	37	22.86	22.87	22.83	22.90	22.82	22.83				
15	QPSK	1	74	22.84	22.84	22.82	22.97	22.96	22.93				
15	QPSK	36	0	22.03	21.90	21.92	22.05	21.92	22.07				
15	QPSK	36	20	21.91	21.87	22.00	22.08	21.98	22.01				
15	QPSK	36	36	21.87	21.82	22.00	22.05	21.95	21.96				
15	QPSK	75	0	21.93	21.98	22.00	22.11	22.00	22.04				
15	16QAM	1	0	21.87	21.88	22.06	22.21	22.15	22.11				
15	16QAM	1	37	21.82	21.77	21.73	21.89	21.87	21.84				
15	16QAM	1	74	21.81	21.91	21.89	21.98	21.91	22.02				
15	16QAM	36	0	20.97	20.98	21.04	21.10	20.93	21.02				
15	16QAM	36	20	20.92	20.81	20.92	21.00	20.97	20.95				
15	16QAM	36	36	20.90	20.88	20.83	21.02	20.96	20.92				
15	16QAM	75	0	21.01	20.90	20.91	21.03	21.01	20.97				
15	64QAM	1	0	20.91	20.90	21.14	21.12	21.11	21.04				
15	64QAM	1	37	20.86	20.86	20.88	20.90	20.89	20.81				
15	64QAM	1	74	20.92	20.90	20.97	21.11	20.88	20.97				
15	64QAM	36	0	20.90	20.92	20.90	20.91	20.88	20.10				
15	64QAM	36	20	19.89	19.92	20.96	20.99	19.94	19.93				
15	64QAM	36	36	20.92	20.81	20.92	21.00	20.97	20.95				
15	64QAM	75	0	15.85	15.99	15.99	16.15	16.02	16.03				
15	256QAM	1	0	17.70	17.85	17.84	17.88	18.03	18.07				
15	256QAM	1	37	17.78	17.76	17.75	17.82	17.82	17.80				
15	256QAM	1	74	17.77	17.72	17.80	17.84	17.80	17.72				
15	256QAM	36	0	17.86	17.91	17.88	17.99	17.95	17.97				
15	256QAM	36	20	17.88	17.80	17.84	17.96	17.83	17.89				
15	256QAM	36	36	17.90	17.80	17.84	17.96	17.83	17.89				
15	256QAM	75	0	17.86	17.90	17.86	18.02	17.82	18.01				
Channel													
Frequency (MHz)													
10	QPSK	1	0	25.00	25.01	25.47	25.93	25.99	26.05				
10	QPSK	1	25	25.76	25.88	25.79	25.88	25.87	25.81				
10	QPSK	1	49	22.88	22.91	22.85	22.97	22.80	22.91				
10	QPSK	1	99	22.86	22.83	22.90	22.98	22.84	22.86				
10	QPSK	25	12	21.87	21.85	21.83	22.00	21.91	21.98				
10	QPSK	25	25	21.90	21.90	21.82	21.94	21.98	21.89				
10	QPSK	50	0	21.91	21.85	21.85	22.11	21.96	22.00				
10	16QAM	1	0	21.92	21.83	22.02	22.19	22.09	22.14				
10	16QAM	1	25	21.75	21.79	21.79	21.91	21.86	21.94				
10	16QAM	1	49	21.85	21.84	21.86	21.89	21.80	21.92				
10	16QAM	25	0	21.07	20.95	20.97	21.10	20.90	21.12				
10	16QAM	25	19	20.92	20.84	20.87	21.00	20.87	20.87				
10	16QAM	25	25	20.86	20.87	20.80	21.03	20.85	20.91				
10	16QAM	50	0	21.08	20.99	20.91	21.00	20.88	21.03				
10	64QAM	1	0	20.96	20.80	21.13	21.12	21.09	21.05				
10	64QAM	1	25	20.91	20.91	20.79	20.90	20.80	20.86				
10	64QAM	1	49	20.83	20.89	20.95	21.11	21.02	21.05				
10	64QAM	25	0	19.93	19.99	20.02	20.11	20.00	20.10				
10	64QAM	25	12	19.86	19.84	19.86	20.05	19.93	19.92				
10	64QAM	25	25	19.98	19.83	19.83	20.03	19.98	19.90				
10	64QAM	50	0	19.97	19.98	20.00	20.17	19.99	20.01				
10	256QAM	1	0	17.79	17.91	18.00	18.05	18.03	18.09				
10	256QAM	1	25	17.79	17.88	17.80	17.82	17.82	17.80				
10	256QAM	1	49	17.80	17.89	17.84	17.97	17.88	17.85				
10	256QAM	25	0	17.80	17.89	17.83	17.84	17.82	17.95				
10	256QAM	25	12	17.81	17.84	17.85	17.89	17.87	17.86				
10	256QAM	25	25	17.85	17.79	17.82	17.95	17.85	17.86				
10	256QAM	50	0	17.85	17.97	17.88	18.06	17.87	18.03				
Channel													
Frequency (MHz)													
5	QPSK	1	0	22.90	22.95	23.08	23.18	23.18	23.22				
5	QPSK	1	12	22.82	22.85	22.77	22.88	22.84	22.82				
5	QPSK	1	24	22.85	22.84	22.88	22.90	22.87	22.89				
5	QPSK	12	0	21.97	21.98	21.96	22.10	21.92	21.99				
5	QPSK	12	7	21.89	21.98	22.01	22.09	21.95	21.94				
5	QPSK	12	13	21.95	21.88	21.88	22.02	21.96	21.81				
5	QPSK	25	0	21.94	21.97	22.00	22.09	22.03	22.05				
5	16QAM	1	0	21.94	21.91	21.95	22.22	22.07	22.19				
5	16QAM	1	12	21.84	21.85	21.83	21.88	21.85	21.88				
5	16QAM	1	24	21.83	21.83	21.82	21.80	21.87	21.80				
5	16QAM	12	0	21.01	20.97	21.02	21.11	20.97	21.08				
5	16QAM	12	7	20.91	20.84	20.80	21.01	20.97	20.99				
5	16QAM	12	13	20.84	20.87	20.81	20.96	20.81	20.80				
5	16QAM	25	0	20.98	20.84	20.95	21.03	20.96	21.08				
5	64QAM	1	0	20.88	20.80	21.17	21.20	21.20	20.99				
5	64QAM	1	12	20.84	20.87	20.81	20.96	20.81	20.80				
5	64QAM	1	24	20.92	20.87	20.87	20.97	21.06	21.05				
5	64QAM	12	0	19.98	20.02	19.96	20.08	20.00	20.05				
5	64QAM	12	7	19.91	19.85	20.05	20.12	19.97	19.99				
5	64QAM	12	13	19.89	19.83	19.83	20.03	19.98	19.90				
5	64QAM	25	0	19.93	20.00	20.01	20.12	20.04	20.03				
5	256QAM	1	0	17.78	17.91	17.88	17.94	18.04	18.04				
5	256QAM	1	12	17.73	17.83	17.73	17.87	17.85	17.87				
5	256QAM	1	24	17.85	17.86	17.86	18.01	18.01	17.93				
5	256QAM	25	0	17.85	17.86	17.86	17.94	17.91	17.91				
5	256QAM	25	12	17.87	17.87	17.87	17.96	17.88	17.84				
5	256QAM	25	25	17.85	17.82	17.83	18.00	17.86	17.87				
5	256QAM	50	0	17.87	17.97	17.88	18.06	17.87	17.96				

Band 5 ENDC Ant1												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq. 24640	Power Mid Ch / Freq. 24650	Power High Ch / Freq. 24655	Turn-up Int. (dB)	MFR (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0	23.33	23.38	23.35	24	0				
10	QPSK	1	25	23.18	23.26	23.20						
10	QPSK	1	49	23.07	23.21	23.16						
10	QPSK	25	0	22.12	22.28	22.18						
10	QPSK	25	12	22.19	22.28	22.17	23	1				
10	QPSK	25	25	22.18	22.22	22.14						
10	QPSK	50	0	22.11	22.19	22.11						
10	16QAM	1	0	22.08	22.12	21.99						
10	16QAM	1	25	21.98	22.08	22.00	23	1				
10	16QAM	1	49	21.88	22.00	21.84						
10	16QAM	25	0	21.10	21.23	21.10						
10	16QAM	25	12	21.19	21.27	21.19						
10	16QAM	25	25	21.10	21.22	21.12	22	2				
10	16QAM	50	0	21.13	21.24	21.21						
10	16QAM	1	0	21.12	21.17	21.07						
10	16QAM	1	25	20.95	21.05	20.90						
10	16QAM	1	49	21.18	21.23	21.13	21	3				
10	16QAM	25	0	20.15	20.20	20.07						
10	16QAM	25	12	20.07	20.13	20.01						
10	16QAM	25	25	20.12	20.18	20.05						
10	16QAM	50	0	20.11	20.15	20.02	19	5				
10	16QAM	1	0	18.10	18.18	18.05						
10	16QAM	1	25	17.97	18.05	18.01						
10	16QAM	1	49	18.08	18.13	18.03						
10	16QAM	25	0	18.07	18.10	18.00						
10	16QAM	25	12	17.99	18.07	17.84						
10	16QAM	25	25	18.07	18.12	18.06						
10	16QAM	50	0	18.00	18.14	18.03	19	5				
Channel												
Frequency (MHz)												
5	QPSK	1	0	23.28	23.31	23.26				24	0	
5	QPSK	1	12	23.05	23.17	23.06						
5	QPSK	1	24	22.95	23.12	23.02						
5	QPSK	12	0	22.01	22.18	22.10						
5	QPSK	12	7	22.08	22.12	22.00	23	1				
5	QPSK	12	13	22.06	22.10	22.07						
5	QPSK	25	0	22.09	22.19	22.05						
5	16QAM	1	0	22.01	22.06	21.88						
5	16QAM	1	12	21.84	21.97	21.85	23	1				
5	16QAM	1	24	21.69	21.88	21.68						
5	16QAM	12	0	21.05	21.09	21.05						
5	16QAM	12	7	21.12	21.20	21.08						
5	16QAM	12	13	21.10	21.13	21.02	22	2				
5	16QAM	25	0	21.08	21.16	21.14						
5	16QAM	1	0	21.05	21.12	21.00						
5	16QAM	1	12	20.85	20.98	20.80						
5	16QAM	1	24	21.10	21.12	21.02	21	3				
5	16QAM	12	0	20.07	20.17	20.00						
5	16QAM	12	7	20.05	20.08	19.95						
5	16QAM	12	13	20.01	20.05	19.95						
5	16QAM	25	0	20.07	20.03	19.90	19	5				
5	16QAM	1	0	18.01	18.05	17.90						
5	16QAM	1	12	17.88	18.02	17.84						
5	16QAM	1	24	18.03	18.08	17.93						
5	16QAM	12	0	18.02	18.06	17.87						
5	16QAM	12	7	17.96	17.92	17.84						
5	16QAM	12	13	17.97	17.88	18.03						
5	16QAM	25	0	17.97	18.10	18.05	19	5				
Channel												
Frequency (MHz)												
3	QPSK	1	0	23.21	23.24	23.22				24	0	
3	QPSK	1	8	23.03	23.13	23.12						
3	QPSK	1	14	22.94	23.11	23.06						
3	QPSK	8	0	22.08	22.20	22.11						
3	QPSK	8	4	22.09	22.20	22.11	23	1				
3	QPSK	8	7	22.07	22.15	22.09						
3	QPSK	16	0	22.06	22.08	21.98						
3	16QAM	1	0	21.97	22.07	21.93						
3	16QAM	1	8	21.85	21.98	21.85	23	1				
3	16QAM	1	14	21.77	21.94	21.76						
3	16QAM	8	0	21.01	21.18	21.07						
3	16QAM	8	4	21.05	21.12	21.13						
3	16QAM	8	7	21.06	21.11	21.06	22	2				
3	16QAM	15	0	21.00	21.18	21.12						
3	16QAM	1	0	20.98	21.08	21.00						
3	16QAM	1	8	20.85	20.93	20.79						
3	16QAM	1	14	21.09	21.15	20.99	21	3				
3	16QAM	8	0	20.03	20.17	19.99						
3	16QAM	8	4	20.03	20.06	20.02						
3	16QAM	8	7	20.00	20.10	20.00						
3	16QAM	15	0	20.02	20.01	19.96	19	5				
3	16QAM	1	0	18.01	18.11	17.84						
3	16QAM	1	8	17.80	17.89	17.83						
3	16QAM	1	14	17.92	18.04	17.86						
3	16QAM	8	0	17.97	18.11	17.83	19	5				
3	16QAM	8	4	17.86	17.88	17.81						
3	16QAM	8	7	17.95	18.01	17.91						
3	16QAM	15	0	17.91	18.01	17.85						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	23.27	23.31	23.24	24	0				
1.4	QPSK	1	3	23.03	23.22	23.17						
1.4	QPSK	1	5	22.95	23.11	23.11						
1.4	QPSK	3	0	23.08	23.18	23.07						
1.4	QPSK	3	1	23.10	23.16	23.03	23	1				
1.4	QPSK	3	3	23.07	23.12	23.04						
1.4	QPSK	8	0	22.14	22.07	22.01						
1.4	16QAM	1	0	21.92	22.07	21.84						
1.4	16QAM	1	3	21.89	21.92	21.87	23	1				
1.4	16QAM	1	5	21.81	21.91	21.88						
1.4	16QAM	3	0	22.02	22.13	22.05						
1.4	16QAM	3	1	22.07	22.13	22.06						
1.4	16QAM	3	3	21.98	22.07	22.04	22	2				
1.4	16QAM	8	0	21.00	21.13	21.08						
1.4	16QAM	1	0	21.03	21.03	21.01						
1.4	16QAM	1	3	20.88	20.98	20.80						
1.4	16QAM	1	5	21.04	21.09	21.02	22	2				
1.4	16QAM	3	0	21.09	21.07	20.96						
1.4	16QAM	3	1	20.93	21.08	21.00						
1.4	16QAM	3	3	21.01	21.12	20.91						
1.4	16QAM	8	0	20.01	20.02	19.99	21	3				
1.4	16QAM	1	0	18.05	18.04	17.88						
1.4	16QAM	1	3	17.88	17.85	17.80						
1.4	16QAM	1	5	17.97	17.99	17.85						
1.4	16QAM	3	0	17.90	18.06	17.86	19	5				
1.4	16QAM	3	1	17.89	17.82	17.85						
1.4	16QAM	3	3	17.99	18.08	18.03						
1.4	16QAM	8	0	17.94	18.02	18.03						

Band 7 ENDC Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Turnup Int. (dB)	MFR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.89	23.05	22.92	24	0	
20	QPSK	1	49	22.83	22.98	22.90			
20	QPSK	1	99	22.82	23.01	22.88			
20	QPSK	50	0	21.86	22.06	21.92			
20	QPSK	50	24	21.89	21.93	21.85	23	1	
20	QPSK	50	50	21.92	21.96	21.84			
20	QPSK	100	0	21.82	21.97	21.92			
20	16QAM	1	0	21.71	21.81	21.71	22	2	
20	16QAM	1	49	21.65	21.80	21.75			
20	16QAM	1	99	21.79	21.83	21.69			
20	16QAM	50	0	20.92	21.01	20.96			
20	16QAM	50	24	20.95	21.02	20.88	21	3	
20	16QAM	50	50	20.98	21.05	20.90			
20	16QAM	100	0	20.93	21.08	20.98			
20	16QAM	1	0	20.94	20.98	20.98	20	2	
20	16QAM	1	49	20.96	20.92	20.95			
20	16QAM	1	99	20.93	20.97	20.97			
20	16QAM	50	0	20.87	20.93	20.89			
20	16QAM	50	24	20.84	20.91	20.86	19	5	
20	16QAM	50	50	20.86	20.98	20.88			
20	16QAM	100	0	20.83	20.97	20.90			
20	256QAM	1	0	17.47	17.57	17.53	18	5	
20	256QAM	1	49	17.55	17.62	17.54			
20	256QAM	1	99	17.50	17.62	17.54			
20	256QAM	50	0	17.28	17.39	17.35			
20	256QAM	50	24	17.31	17.34	17.30	17	5	
20	256QAM	50	50	17.33	17.40	17.35			
20	256QAM	100	0	17.33	17.49	17.38			
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.85	22.97	22.84	24	0	
15	QPSK	1	37	22.73	22.84	22.88			
15	QPSK	1	74	22.86	22.91	22.82			
15	QPSK	30	0	21.85	22.00	21.90			
15	QPSK	30	20	21.82	21.79	21.83	23	1	
15	QPSK	30	50	21.82	21.73	21.81			
15	QPSK	75	0	21.83	21.79	21.83			
15	16QAM	1	0	21.65	21.78	21.68	22	2	
15	16QAM	1	37	21.69	21.68	21.68			
15	16QAM	1	74	21.69	21.73	21.65			
15	16QAM	30	0	20.81	20.91	20.86			
15	16QAM	30	20	20.82	20.87	20.87	21	3	
15	16QAM	30	50	20.88	20.96	20.88			
15	16QAM	75	0	20.90	20.92	20.78			
15	256QAM	1	0	17.50	17.53	17.51	19	5	
15	256QAM	1	37	17.50	17.52	17.50			
15	256QAM	1	74	17.49	17.52	17.48			
15	256QAM	30	0	17.28	17.32	17.30			
15	256QAM	30	20	17.29	17.34	17.29	18	5	
15	256QAM	30	50	17.31	17.37	17.30			
15	256QAM	75	0	17.38	17.45	17.38			
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.82	23.00	22.85	24	0	
10	QPSK	1	26	22.70	22.91	22.87			
10	QPSK	1	49	22.85	22.88	22.73			
10	QPSK	25	0	21.88	21.98	21.93			
10	QPSK	25	12	21.76	21.88	21.80	23	1	
10	QPSK	25	25	21.87	21.87	21.80			
10	QPSK	25	50	21.79	21.85	21.83			
10	16QAM	1	0	21.60	21.68	21.59	22	2	
10	16QAM	1	26	21.66	21.67	21.61			
10	16QAM	1	49	21.73	21.80	21.68			
10	16QAM	25	0	20.79	20.98	20.90			
10	16QAM	25	12	20.88	20.94	20.92	21	3	
10	16QAM	25	25	20.83	20.94	20.92			
10	16QAM	50	0	20.85	20.92	20.87			
10	256QAM	1	0	17.57	17.57	17.57	19	5	
10	256QAM	1	26	17.57	17.57	17.57			
10	256QAM	1	49	17.51	17.59	17.54			
10	256QAM	25	0	17.43	17.52	17.44			
10	256QAM	25	12	17.47	17.59	17.51	18	5	
10	256QAM	25	25	17.50	17.59	17.51			
10	256QAM	50	0	17.54	17.62	17.57			
10	256QAM	25	12	17.54	17.65	17.60	17	5	
10	256QAM	25	25	17.57	17.70	17.70			
10	256QAM	50	0	17.62	17.74	17.70			
10	256QAM	50	25	17.69	17.77	17.71			
Channel									
Frequency (MHz)									
5	QPSK	1	0	20.89	20.94	20.88	24	0	
5	QPSK	1	12	20.85	20.88	20.86			
5	QPSK	1	24	20.89	20.90	20.72			
5	QPSK	12	0	20.85	20.94	20.88			
5	QPSK	12	7	21.84	21.84	21.84	23	1	
5	QPSK	12	13	21.80	21.85	21.79			
5	QPSK	12	19	21.79	21.82	21.78			
5	16QAM	1	0	21.57	21.73	21.63	22	2	
5	16QAM	1	12	21.53	21.68	21.67			
5	16QAM	1	24	21.73	21.75	21.67			
5	16QAM	12	0	20.85	20.89	20.85			
5	16QAM	12	7	20.84	20.90	20.86	21	3	
5	16QAM	12	13	20.88	20.98	20.90			
5	16QAM	12	19	20.98	20.98	20.88			
5	256QAM	1	0	17.50	17.68	17.53	19	5	
5	256QAM	1	12	17.50	17.69	17.61			
5	256QAM	1	24	17.62	17.74	17.64			
5	256QAM	12	0	17.58	17.77	17.71			
5	256QAM	12	7	17.59	17.82	17.75	18	5	
5	256QAM	12	13	17.62	17.90	17.82			
5	256QAM	12	19	17.71	17.85	17.81			
5	256QAM	12	13	18.02	18.00	18.03	17	5	
5	256QAM	12	19	18.00	18.00	18.00			
5	256QAM	12	25	17.92	17.94	17.97			
5	256QAM	12	31	17.92	17.94	17.97			
5	256QAM	12	13	17.92	17.94	17.97	16	5	
5	256QAM	12	19	17.92	17.94	17.97			
5	256QAM	12	25	17.92	17.94	17.97			
5	256QAM	12	31	17.92	17.94	17.97			
5	256QAM	12	13	17.92	17.94	17.97	15	5	
5	256QAM	12	19	17.92	17.94	17.97			
5	256QAM	12	25	17.92	17.94	17.97			
5	256QAM	12	31	17.92	17.94	17.97			



Band 42 FCC Ant2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up time (min)	MPR (dB)		
Channel				42190	42590	42990	Turn-up time (min)	MPR (dB)		
Frequency (MHz)				3460	3500	3540				
20	QPSK	1	0	23.49	23.53	23.48	24	0		
20	QPSK	1	48	23.32	23.43	23.32				
20	QPSK	1	96	23.38	23.48	23.29				
20	QPSK	50	0	22.45	22.55	22.49	23	1		
20	QPSK	50	24	22.38	22.51	22.38				
20	QPSK	50	48	22.39	22.54	22.48				
20	QPSK	100	0	22.35	22.50	22.40	23	1		
20	HQAM	1	0	22.45	22.57	22.55				
20	HQAM	1	48	22.29	22.49	22.27				
20	HQAM	50	0	22.41	22.46	22.38	22	2		
20	HQAM	50	24	21.51	21.59	21.53				
20	HQAM	50	48	21.53	21.58	21.59				
20	HQAM	50	50	21.44	21.54	21.52	22	2		
20	HQAM	100	0	21.29	21.57	21.43				
20	HQAM	1	0	21.52	21.57	21.55				
20	HQAM	1	48	21.37	21.48	21.38	21	3		
20	HQAM	1	96	21.49	21.52	21.40				
20	HQAM	50	0	20.50	20.54	20.80				
20	HQAM	50	24	20.45	20.54	20.47	19	5		
20	HQAM	50	50	20.45	20.62	20.58				
20	HQAM	100	0	20.43	20.62	20.51				
20	25GQAM	1	0	18.53	18.55	18.48	19	5		
20	25GQAM	1	48	18.36	18.45	18.29				
20	25GQAM	1	96	18.37	18.50	18.29				
20	25GQAM	50	0	18.50	18.68	18.56	19	5		
20	25GQAM	50	24	18.43	18.57	18.42				
20	25GQAM	50	50	18.44	18.65	18.50				
20	25GQAM	100	0	18.44	18.62	18.44	Turn-up time (min)	MPR (dB)		
Channel				42165 <th>42590<th>43015</th></th>	42590 <th>43015</th>	43015				
Frequency (MHz)				3457.5	3500	3542.5	Turn-up time (min)	MPR (dB)		
15	QPSK	1	0	23.43	23.45	23.32		24	0	
15	QPSK	1	37	23.25	23.28	23.21				
15	QPSK	1	74	23.29	23.35	23.27				
15	QPSK	36	0	22.39	22.52	22.48	23	1		
15	QPSK	36	20	22.24	22.39	22.35				
15	QPSK	36	39	22.31	22.47	22.42				
15	QPSK	75	0	22.21	22.38	22.27	23	1		
15	HQAM	1	0	22.39	22.42	22.42				
15	HQAM	1	37	22.21	22.44	22.21				
15	HQAM	1	74	22.29	22.33	22.32	22	2		
15	HQAM	36	0	21.41	21.47	21.40				
15	HQAM	36	39	21.29	21.41	21.25				
15	HQAM	36	39	21.38	21.41	21.39	22	2		
15	HQAM	75	0	21.25	21.45	21.38				
15	HQAM	1	0	21.45	21.57	21.58				
15	HQAM	1	37	21.33	21.33	21.22	22	2		
15	HQAM	1	74	21.41	21.45	21.27				
15	HQAM	36	0	20.36	20.57	20.52				
15	HQAM	36	20	20.39	20.41	20.42	21	3		
15	HQAM	36	39	20.35	20.52	20.48				
15	HQAM	75	0	20.29	20.54	20.47				
15	25GQAM	1	0	18.41	18.46	18.37	19	5		
15	25GQAM	1	37	18.22	18.35	18.20				
15	25GQAM	1	74	18.34	18.48	18.25				
15	25GQAM	36	0	18.40	18.53	18.41	19	5		
15	25GQAM	36	20	18.29	18.53	18.37				
15	25GQAM	36	39	18.37	18.57	18.40				
15	25GQAM	75	0	18.34	18.54	18.36	Turn-up time (min)	MPR (dB)		
Channel				42140	42590	43040				
Frequency (MHz)				3460	3500	3540	Turn-up time (min)	MPR (dB)		
10	QPSK	1	0	23.40	23.48	23.34		24	0	
10	QPSK	1	25	23.18	23.39	23.22				
10	QPSK	1	49	23.34	23.41	23.21				
10	QPSK	36	0	22.39	22.45	22.35	23	1		
10	QPSK	25	12	22.33	22.57	22.35				
10	QPSK	25	25	22.38	22.40	22.38				
10	QPSK	36	0	22.28	22.40	22.28	23	1		
10	HQAM	1	0	22.37	22.64	22.44				
10	HQAM	1	25	22.20	22.42	22.12				
10	HQAM	1	49	22.14	22.34	22.29	22	1		
10	HQAM	25	0	21.43	21.51	21.44				
10	HQAM	25	12	21.30	21.42	21.25				
10	HQAM	25	25	21.29	21.44	21.44	22	2		
10	HQAM	50	0	21.33	21.41	21.28				
10	HQAM	1	0	21.48	21.65	21.46				
10	HQAM	1	25	21.29	21.57	21.23	22	2		
10	HQAM	1	49	21.40	21.55	21.52				
10	HQAM	25	0	20.45	20.49	20.55				
10	HQAM	25	12	20.31	20.40	20.42	21	3		
10	HQAM	25	25	20.40	20.59	20.48				
10	HQAM	50	0	20.34	20.58	20.47				
10	HQAM	50	0	18.42	18.44	18.43	19	5		
10	25GQAM	1	25	18.25	18.46	18.23				
10	25GQAM	1	49	18.33	18.45	18.23				
10	25GQAM	25	0	18.45	18.57	18.51	19	5		
10	25GQAM	25	12	18.31	18.42	18.27				
10	25GQAM	25	25	18.40	18.55	18.35				
10	25GQAM	50	0	18.33	18.56	18.35	Turn-up time (min)	MPR (dB)		
Channel				42115 <th>42590<th>43065</th></th>	42590 <th>43065</th>	43065				
Frequency (MHz)				23.43 <th>23.45<th>23.36</th><th rowspan="2">Turn-up time (min)</th><th colspan="2" rowspan="2">MPR (dB)</th></th>	23.45 <th>23.36</th> <th rowspan="2">Turn-up time (min)</th> <th colspan="2" rowspan="2">MPR (dB)</th>	23.36	Turn-up time (min)	MPR (dB)		
5	QPSK	1	0	23.43	23.43	23.36				24
5	QPSK	1	12	23.19	23.35	23.17				
5	QPSK	1	24	23.27	23.43	23.22				
5	QPSK	12	0	22.38	22.43	22.44	23	1		
5	QPSK	12	7	22.26	22.42	22.27				
5	QPSK	12	13	22.32	22.39	22.36				
5	QPSK	25	0	22.27	22.47	22.31	23	1		
5	HQAM	1	0	22.39	22.53	22.48				
5	HQAM	1	12	22.22	22.48	22.19				
5	HQAM	1	24	22.29	22.39	22.31	22	2		
5	HQAM	12	0	21.47	21.55	21.40				
5	HQAM	12	7	21.24	21.40	21.25				
5	HQAM	12	13	21.38	21.43	21.41	22	2		
5	HQAM	25	0	21.36	21.44	21.28				
5	HQAM	1	0	21.40	21.50	21.43				
5	HQAM	1	12	21.09	21.37	21.08	21	3		
5	HQAM	1	24	21.38	21.37	21.33				
5	HQAM	12	0	20.48	20.59	20.54				
5	HQAM	12	7	20.40	20.48	20.43	19	5		
5	HQAM	12	13	20.35	20.58	20.45				
5	HQAM	25	0	20.39	20.55	20.42				
5	25GQAM	1	0	18.44	18.40	18.35	19	5		
5	25GQAM	1	12	18.28	18.31	18.25				
5	25GQAM	1	24	18.23	18.44	18.15				
5	25GQAM	12	0	18.36	18.57	18.53	19	5		
5	25GQAM	12	7	18.33	18.43	18.29				
5	25GQAM	12	13	18.33	18.60	18.38				
5	25GQAM	25	0	18.38	18.54	18.32	Turn-up time (min)	MPR (dB)		
Channel				42115 <th>42590<th>43065</th></th>	42590 <th>43065</th>	43065				

Reduced Power Mode for WWAN DSI 2-Standalone

GSM850 Ant0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.89	32.71	32.85	33.50	23.89	23.71	23.85	24.50
GPRS 1 Tx slot	32.80	32.65	32.88	33.50	23.80	23.65	23.88	24.50
GPRS 2 Tx slots	30.76	30.34	30.42	31.50	24.76	24.34	24.42	25.50
GPRS 3 Tx slots	29.10	29.25	29.16	30.50	24.93	24.99	24.90	26.24
GPRS 4 Tx slots	27.58	27.62	27.56	29.00	24.58	24.62	24.56	26.00
EDGE 1 Tx slot	26.74	26.71	26.78	27.50	17.74	17.71	17.78	18.50
EDGE 2 Tx slots	25.73	25.67	25.68	27.00	19.73	19.67	19.68	21.00
EDGE 3 Tx slots	24.37	24.18	24.23	25.50	20.11	19.92	19.97	21.24
EDGE 4 Tx slots	22.62	22.54	22.39	24.00	19.62	19.54	19.39	21.00

GSM1900 Ant0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	30.07	30.04	30.00	30.50	21.07	21.04	21.00	21.50
GPRS 1 Tx slot	30.19	30.32	30.16	30.50	21.19	21.32	21.16	21.50
GPRS 2 Tx slots	27.04	27.29	27.38	28.50	21.04	21.29	21.38	22.50
GPRS 3 Tx slots	26.18	26.37	26.23	27.50	21.92	22.11	21.97	23.24
GPRS 4 Tx slots	24.69	24.78	24.71	26.00	21.69	21.78	21.71	23.00
EDGE 1 Tx slot	25.97	26.17	25.79	27.00	16.97	17.17	16.79	18.00
EDGE 2 Tx slots	24.82	25.17	24.80	26.00	18.82	19.17	18.80	20.00
EDGE 3 Tx slots	23.50	23.70	23.38	24.50	19.24	19.44	19.12	20.24
EDGE 4 Tx slots	21.98	22.14	21.77	23.00	18.98	19.14	18.77	20.00

Band		WCDMA 8 Ant0			Tune-up Limit (dBm)	WCDMA 1V Ant0			Tune-up Limit (dBm)	WCDMA 1V Ant0			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4162	4233	
Rx Channel		9662	9600	9938		1537	1638	1738		4357	4407	4468	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.03	23.11	23.07	24.00	23.03	23.07	22.96	24.00	23.16	23.30	23.23	24.00
3GPP Rel 99	RMC 12.2Kbps	23.18	23.22	23.15	24.00	23.11	23.15	23.07	24.00	23.25	23.36	23.31	24.00
3GPP Rel 6	HSDPA Subtest-1	22.25	22.26	21.97	23.00	22.12	22.16	21.89	23.00	22.34	22.29	21.99	23.00
3GPP Rel 6	HSDPA Subtest-2	22.17	22.21	22.03	23.00	22.13	22.09	21.93	23.00	22.22	22.32	22.15	23.00
3GPP Rel 6	HSDPA Subtest-3	21.68	21.66	21.61	22.50	21.59	21.54	21.49	22.50	21.79	21.76	21.64	22.50
3GPP Rel 6	HSDPA Subtest-4	21.64	21.72	21.48	22.50	21.49	21.62	21.44	22.50	21.68	21.78	21.57	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.14	22.14	21.94	23.00	22.09	22.02	21.82	23.00	22.21	22.19	21.94	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.13	22.22	21.85	23.00	22.10	22.09	21.71	23.00	22.20	22.24	21.97	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.62	21.62	21.38	22.50	21.54	21.49	21.30	22.50	21.66	21.71	21.41	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.57	21.68	21.49	22.50	21.42	21.56	21.41	22.50	21.66	21.79	21.58	22.50
3GPP Rel 6	HSUPA Subtest-1	22.18	22.21	22.06	23.00	22.14	22.12	21.93	23.00	22.28	22.32	22.07	23.00
3GPP Rel 6	HSUPA Subtest-2	20.22	20.15	20.10	21.00	20.13	20.08	19.97	21.00	20.25	20.21	20.19	21.00
3GPP Rel 6	HSUPA Subtest-3	21.15	21.19	20.98	22.00	21.05	20.84	20.84	22.00	21.16	21.22	21.07	22.00
3GPP Rel 6	HSUPA Subtest-4	20.16	20.22	20.08	21.00	20.07	20.09	19.99	21.00	20.18	20.32	20.10	21.00
3GPP Rel 6	HSUPA Subtest-5	22.15	22.23	22.04	23.00	22.10	22.11	21.94	23.00	22.21	22.32	22.16	23.00



Band 2 Ant0												
BW (MHz)	Modulation	RB Size	RB Offset	Power Mod Ch./F.Freq.	Power Hsp Ch./F.Freq.	Power Hsp Ch./F.Freq.	Turn-up time (sec)	MPR (dB)				
Channel												
1860 1860 1860												
20	QPSK	1	0	22.90	22.08	22.89	24	0				
20	QPSK	1	49	22.88	22.04	22.89						
20	QPSK	1	99	22.83	22.08	22.81						
20	QPSK	50	24	21.04	22.02	21.94						
20	QPSK	50	50	21.96	22.07	22.07	23	1				
20	QPSK	100	0	21.95	22.09	22.05						
20	16QAM	1	0	21.86	21.89	21.80						
20	16QAM	1	49	21.81	21.91	21.82						
20	16QAM	1	99	21.80	21.89	21.80	23	1				
20	16QAM	50	24	20.89	21.94	20.83						
20	16QAM	50	50	20.96	20.99	20.91						
20	16QAM	100	0	20.87	21.03	20.96						
20	16QAM	1	0	20.89	20.91	20.83	22	2				
20	16QAM	1	49	20.81	20.92	20.85						
20	16QAM	1	99	20.83	20.90	20.85						
20	16QAM	50	0	19.95	19.98	19.92						
20	16QAM	50	24	20.03	19.99	19.95	21	3				
20	16QAM	50	50	19.90	20.00	19.96						
20	16QAM	100	0	19.92	20.01	20.07						
20	256QAM	1	49	17.85	17.94	17.91						
20	256QAM	1	99	17.88	17.83	17.71	19	5				
20	256QAM	50	24	17.83	17.82	17.86						
20	256QAM	50	50	18.00	18.08	17.91						
20	256QAM	50	50	17.83	18.08	18.08						
20	256QAM	100	0	17.86	18.06	18.03						
20	256QAM	100	0	17.89	18.09	18.05						
Channel												
1865 1865 1865												
20	QPSK	1	0	22.80	22.46	22.83	24	0				
20	QPSK	1	49	22.82	22.41	22.80						
20	QPSK	1	99	22.72	22.75	22.67						
20	QPSK	36	0	21.83	22.01	21.86						
20	QPSK	36	24	21.93	21.94	21.95	23	1				
20	QPSK	36	39	21.89	21.98	21.92						
20	QPSK	75	0	21.75	21.92	21.84						
20	16QAM	1	37	21.75	21.72	21.72						
20	16QAM	1	37	21.69	21.84	21.77	23	1				
20	16QAM	1	74	21.67	21.87	21.80						
20	16QAM	36	24	20.84	20.89	20.88						
20	16QAM	36	20	20.86	20.84	20.82						
20	16QAM	50	24	20.83	20.80	20.85	22	2				
20	16QAM	50	50	20.89	20.90	20.87						
20	16QAM	1	0	20.77	20.81	20.79						
20	16QAM	1	49	20.83	20.90	20.87						
20	16QAM	1	74	20.90	20.75	20.59	21	3				
20	16QAM	36	0	19.84	19.92	19.93						
20	16QAM	36	24	19.87	19.88	19.89						
20	16QAM	36	39	19.97	20.01	19.91						
20	16QAM	75	0	19.78	19.85	19.92	19	5				
20	256QAM	1	37	17.84	17.89	17.83						
20	256QAM	1	74	17.77	17.87	17.84						
20	256QAM	36	24	17.86	17.86	17.86						
20	256QAM	36	20	17.91	17.97	17.97	19	5				
20	256QAM	36	39	17.84	17.87	17.87						
20	256QAM	75	0	17.84	17.87	17.94						
20	256QAM	75	0	17.86	18.06	18.03						
Channel												
1865 1865 1865												
20	QPSK	1	0	22.80	22.46	22.83	24	0				
20	QPSK	1	49	22.82	22.41	22.80						
20	QPSK	1	99	22.72	22.75	22.67						
20	QPSK	36	0	21.83	22.01	21.86						
20	QPSK	36	24	21.93	21.94	21.95	23	1				
20	QPSK	36	39	21.89	21.98	21.92						
20	QPSK	75	0	21.75	21.92	21.84						
20	16QAM	1	37	21.75	21.72	21.72						
20	16QAM	1	37	21.69	21.84	21.77	23	1				
20	16QAM	1	74	21.67	21.87	21.80						
20	16QAM	36	24	20.84	20.89	20.88						
20	16QAM	36	20	20.86	20.84	20.82						
20	16QAM	50	24	20.83	20.80	20.85	22	2				
20	16QAM	50	50	20.89	20.90	20.87						
20	16QAM	1	0	20.77	20.81	20.79						
20	16QAM	1	49	20.83	20.90	20.87						
20	16QAM	1	74	20.90	20.75	20.59	21	3				
20	16QAM	36	0	19.84	19.92	19.93						
20	16QAM	36	24	19.87	19.88	19.89						
20	16QAM	36	39	19.97	20.01	19.91						
20	16QAM	75	0	19.78	19.85	19.92	19	5				
20	256QAM	1	37	17.84	17.89	17.83						
20	256QAM	1	74	17.77	17.87	17.84						
20	256QAM	36	24	17.86	17.86	17.86						
20	256QAM	36	20	17.91	17.97	17.97	19	5				
20	256QAM	36	39	17.84	17.87	17.87						
20	256QAM	75	0	17.84	17.87	17.94						
20	256QAM	75	0	17.86	18.06	18.03						
Channel												
1865 1865 1865												
20	QPSK	1	0	22.80	22.46	22.83	24	0				
20	QPSK	1	49	22.82	22.41	22.80						
20	QPSK	1	99	22.72	22.75	22.67						
20	QPSK	36	0	21.83	22.01	21.86						
20	QPSK	36	24	21.93	21.94	21.95	23	1				
20	QPSK	36	39	21.89	21.98	21.92						
20	QPSK	75	0	21.75	21.92	21.84						
20	16QAM	1	37	21.75	21.72	21.72						
20	16QAM	1	37	21.69	21.84	21.77	23	1				
20	16QAM	1	74	21.67	21.87	21.80						
20	16QAM	36	24	20.84	20.89	20.88						
20	16QAM	36	20	20.86	20.84	20.82						
20	16QAM	50	24	20.83	20.80	20.85	22	2				
20	16QAM	50	50	20.89	20.90	20.87						
20	16QAM	1	0	20.77	20.81	20.79						
20	16QAM	1	49	20.83	20.90	20.87						
20	16QAM	1	74	20.90	20.75	20.59	21	3				
20	16QAM	36	0	19.84	19.92	19.93						
20	16QAM	36	24	19.87	19.88	19.89						
20	16QAM	36	39	19.97	20.01	19.91						
20	16QAM	75	0	19.78	19.85	19.92	19	5				
20	256QAM	1	37	17.84	17.89	17.83						
20	256QAM	1	74	17.77	17.87	17.84						
20	256QAM	36	24	17.86	17.86	17.86						
20	256QAM	36	20	17.91	17.97	17.97	19	5				
20	256QAM	36	39	17.84	17.87	17.87						
20	256QAM	75	0	17.84	17.87	17.94						
20	256QAM	75	0	17.86	18.06	18.03						
Channel												
1865 1865 1865												
20	QPSK	1	0	22.80	22.46	22.83	24	0				
20	QPSK	1	49	22.82	22.41	22.80						
20	QPSK	1	99	22.72	22.75	22.67						
20	QPSK	36	0	21.83	22.01	21.86						
20	QPSK	36	24	21.93	21.94	21.95	23	1				
20	QPSK	36	39	21.89	21.98	21.92						
20	QPSK	75	0	21.75	21.92	21.84						
20	16QAM	1	37	21.75	21.72	21.72						
20	16QAM	1	37	21.69	21.84	21.77	23	1				
20	16QAM	1	74	21.67	21.87	21.80						
20	16QAM	36	24	20.84	20.89	20.88						
20	16QAM	36	20	20.86	20.84	20.82						
20	16QAM	50	24	20.83	20.80	20.85	22	2				
20	16QAM	50	50	20.89	20.90	20.87						
20	16QAM	1	0	20.77	20.81	20.79						
20	16QAM	1	49	20.83	20.90	20.87						
20	16QAM	1	74	20.90	20.75	20.59	21	3				
20	16QAM	36	0	19.84	19.92	19.93						
20	16QAM	36	24	19.87	19.88	19.89						
20	16QAM	36	39	19.97	20.01	19.91						
20	16QAM	75	0	19.78	19.85	19.92	19	5				
20	256QAM	1	37	17.84	17.89	17.83						
20	256QAM	1	74	17.77	17.87	17.84						
20	256QAM	36	24	17.86	17.86	17.86						
20	256QAM	36	20	17.91	17.97	17.97	19	5				
20	256QAM	36	39	17.84	17.87	17.87						
20	256QAM	75	0	17.84	17.87	17.94						
20	256QAM	75	0	17.86	18.06	18.03						
Channel												
1865 1865 1865												
20	QPSK	1	0	22.80	22.46	22.83	24	0				
20	QPSK	1	49	22.82	22.41	22.80						
20	QPSK	1	99	22.72	22.75	22.67						
20	QPSK	36	0	21.83	22.01	21.86						
20	QPSK	36	24	21.93	21.94	21.95	23	1				
20	QPSK	36	39	21.89	21.98	21.92						
20	QPSK	75	0	21.75	21.92	21.84						
20	16QAM	1	37	21.75	21.72	21.72						
20	16QAM	1	37	21.69	21.84	21.77	23	1				
20	16QAM	1	74	21.67	21.87	21.80						
20	16QAM	36	24	20.84	20.89	20.88						
20	16QAM	36	20	20.86	20.84	20.82						
20	16QAM	50	24	20.83	20.80	20.85	22	2				
20	16QAM	50	50	20.89	20.90	20.87						
20	16QAM	1	0	20.77	20.81	20.79						
20	16QAM	1	49	20.83	20.90	20.87						
20	16QAM	1	74	20.90	20.75	20.59	21	3				
20	16QAM	36	0	19.84	19.92	19.93						
20	16QAM	36	24	19.87	19.88	19.89						
20	16QAM	36	39	19.97	20.01	19.91						
20	16QAM	75	0	19.78	19.85	19.92	19	5				
20	256QAM	1	37	17.84	17.89	17.83						



Band 12 Ant0									
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch / Freq.	Power High Ch / Freq.	Power Max Ch / Freq.	Turn-up Init. (sec)	MFR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	23.18	23.27	23.21	24	0	
10	QPSK	1	25	23.03	23.13	23.08			
10	QPSK	1	49	22.92	23.08	22.99			
10	QPSK	25	0	22.90	22.15	22.00	23	1	
10	QPSK	25	12	22.02	22.11	22.04			
10	QPSK	25	25	22.01	22.08	21.94			
10	QPSK	50	0	22.08	22.14	22.09	23	1	
10	QPSK	50	5	22.13	22.21	22.12			
10	QPSK	50	25	22.08	22.17	22.05			
10	16QAM	1	49	22.03	22.07	21.94	22	2	
10	16QAM	25	0	20.99	21.09	21.02			
10	16QAM	25	12	21.07	21.13	21.05			
10	16QAM	25	25	21.04	21.04	20.95	21	3	
10	16QAM	50	0	21.02	21.11	21.10			
10	16QAM	50	25	21.01	21.14	21.06			
10	64QAM	1	26	21.04	21.11	20.95	22	2	
10	64QAM	1	49	20.99	21.02	20.99			
10	64QAM	25	0	20.99	20.99	20.99			
10	64QAM	25	12	20.97	20.12	20.95	21	3	
10	64QAM	25	25	20.99	20.95	19.92			
10	64QAM	50	0	19.99	20.14	20.02			
10	256QAM	1	0	18.12	18.16	18.18	19	5	
10	256QAM	1	26	17.95	18.08	17.94			
10	256QAM	25	0	18.00	18.14	18.04			
10	256QAM	25	12	17.99	18.10	18.02	19	5	
10	256QAM	25	25	18.00	18.03	18.00			
10	256QAM	50	0	18.00	18.03	18.00			
10	256QAM	50	25	18.11	18.12	18.12			
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.08	23.10	23.11	24	0	
5	QPSK	1	12	22.92	23.11	22.99			
5	QPSK	1	24	22.96	22.99	22.95			
5	QPSK	12	0	21.93	22.10	21.94	23	1	
5	QPSK	12	7	21.93	21.99	21.92			
5	QPSK	12	13	21.93	21.98	21.82			
5	QPSK	25	0	22.00	22.03	21.99	23	1	
5	16QAM	1	25	22.00	22.10	21.98			
5	16QAM	1	12	22.00	22.13	22.01			
5	16QAM	12	7	21.99	21.94	21.85	22	2	
5	16QAM	12	0	20.95	21.01	21.00			
5	16QAM	12	7	21.01	21.08	20.95			
5	64QAM	1	0	21.04	21.04	21.03	22	2	
5	64QAM	1	25	20.93	21.06	21.00			
5	64QAM	1	24	20.97	20.94	20.96			
5	64QAM	12	7	19.98	20.02	19.95	21	3	
5	64QAM	12	13	19.95	19.94	19.91			
5	64QAM	12	13	19.95	19.94	19.91			
5	64QAM	25	0	19.97	20.07	19.96	19	5	
5	256QAM	1	12	17.90	18.04	17.96			
5	256QAM	1	24	17.86	17.87	17.89			
5	256QAM	12	0	17.86	17.83	17.83	19	5	
5	256QAM	12	7	17.92	18.03	17.93			
5	256QAM	12	13	17.92	17.85	17.96			
5	256QAM	25	0	18.00	18.03	18.00			
Channel									
Frequency (MHz)									
3	QPSK	1	0	23.12	23.09	23.10	24	0	
3	QPSK	1	8	22.97	23.11	22.94			
3	QPSK	1	16	22.94	23.06	22.96			
3	QPSK	8	0	21.98	22.12	21.94	23	1	
3	QPSK	8	4	21.94	21.99	21.90			
3	QPSK	8	12	21.94	21.98	21.87			
3	QPSK	16	0	22.01	22.02	22.01	23	1	
3	16QAM	1	0	22.09	22.10	22.08			
3	16QAM	1	8	22.04	22.14	22.06			
3	16QAM	8	0	21.97	21.94	21.90	22	2	
3	16QAM	8	4	20.94	21.08	20.95			
3	16QAM	8	12	20.99	21.01	20.92			
3	16QAM	16	0	20.90	21.01	20.97	22	2	
3	16QAM	16	8	20.93	20.99	20.91			
3	16QAM	16	12	20.93	20.99	20.91			
3	64QAM	1	8	21.01	21.05	21.00	22	2	
3	64QAM	8	4	20.99	21.09	21.02			
3	64QAM	8	4	20.93	20.99	20.91			
3	64QAM	8	4	19.99	20.99	19.92	21	3	
3	64QAM	8	8	19.99	20.99	19.92			
3	64QAM	8	8	19.99	20.99	19.92			
3	256QAM	1	0	18.04	18.04	18.00	19	5	
3	256QAM	1	8	17.87	17.99	17.82			
3	256QAM	1	16	17.87	17.99	17.82			
3	256QAM	8	0	17.87	18.06	17.90	19	5	
3	256QAM	8	4	17.91	18.09	17.88			
3	256QAM	8	4	17.91	18.09	17.88			
3	256QAM	16	0	18.01	18.07	18.03			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	23.12	23.09	23.10	24	0	
1.4	QPSK	1	5	22.99	23.10	22.96			
1.4	QPSK	1	5	22.99	22.94	22.96			
1.4	QPSK	3	1	22.91	23.07	22.95	23	1	
1.4	QPSK	3	1	22.90	23.00	22.94			
1.4	QPSK	3	1	22.91	23.01	22.91			
1.4	16QAM	1	0	21.10	22.05	22.04	23	1	
1.4	16QAM	1	5	22.03	22.05	22.02			
1.4	16QAM	1	5	21.91	22.02	21.89			
1.4	16QAM	3	1	21.96	22.04	21.95	22	2	
1.4	16QAM	3	1	21.85	22.02	22.01			
1.4	16QAM	6	0	20.95	21.06	20.95			
1.4	64QAM	1	0	21.09	21.08	21.05	22	2	
1.4	64QAM	1	5	20.99	21.09	20.91			
1.4	64QAM	1	5	20.90	20.95	20.95			
1.4	64QAM	3	0	20.89	21.01	20.79	21	3	
1.4	64QAM	3	0	20.85	21.04	21.01			
1.4	64QAM	3	3	20.89	20.97	20.89			
1.4	256QAM	1	0	17.96	18.01	17.93	19	5	
1.4	256QAM	1	0	18.00	18.07	18.11			
1.4	256QAM	1	3	17.85	17.99	17.82			
1.4	256QAM	3	0	17.87	17.86	17.89	19	5	
1.4	256QAM	3	0	17.80	18.10	17.88			
1.4	256QAM	3	1	17.94	18.11	17.90			
1.4	256QAM	3	0	17.93	17.86	17.94			
1.4	256QAM	6	0	18.03	18.00	17.99			

Band 13 Ant0									
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch / Freq.	Power High Ch / Freq.	Power Peak Ch / Freq.	Turn-on Init. (sec)	MFR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	23.02	23.05	23.02	24	0	
10	QPSK	1	25	23.07	23.12	23.07			
10	QPSK	1	49	22.91	22.92	22.88			
10	QPSK	25	0	22.13	22.13	22.13	23	1	
10	QPSK	25	12	22.08	22.11	22.08			
10	QPSK	25	25	22.08	22.10	21.97			
10	16QAM	1	0	21.09	21.09	21.09	22	2	
10	16QAM	1	25	21.09	22.10	21.09			
10	16QAM	1	49	22.02	22.02	21.99			
10	16QAM	25	0	21.09	21.09	21.09	21	3	
10	16QAM	25	12	20.99	20.97	20.97			
10	16QAM	25	25	21.03	21.03	20.99			
10	64QAM	1	0	21.09	21.09	21.09	19	5	
10	64QAM	1	25	20.96	21.09	21.09			
10	64QAM	1	49	22.02	22.02	21.99			
10	64QAM	25	0	20.95	20.95	20.95	22	2	
10	64QAM	25	0	20.95	20.95	20.95			
10	64QAM	25	12	20.95	20.95	20.95			
10	256QAM	1	0	18.00	18.01	18.00	21	3	
10	256QAM	1	25	18.11	18.05	18.11			
10	256QAM	1	49	18.05	18.16	18.03			
10	256QAM	25	0	18.00	18.00	18.00	19	5	
10	256QAM	25	12	18.12	18.31	18.25			
10	256QAM	25	25	18.03	18.03	18.03			
10	256QAM	50	0	18.03	18.03	18.03			
10	256QAM	50	0	18.03	18.03	18.03			
10	256QAM	50	0	18.03	18.03	18.03			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.92	22.95	22.91	24	0	
5	QPSK	1	12	22.84	22.96	22.92			
5	QPSK	1	24	22.83	22.89	22.86			
5	QPSK	12	0	21.99	22.06	21.92	23	1	
5	QPSK	12	7	21.94	22.02	22.01			
5	QPSK	12	13	21.93	22.02	21.86			
5	QPSK	25	0	21.94	22.00	21.99	23	1	
5	16QAM	1	25	21.87	22.01	21.91			
5	16QAM	1	12	21.83	21.88	21.75	21	1	
5	16QAM	1	24	21.82	21.87	21.87			
5	16QAM	12	0	20.97	20.95	20.96			
5	16QAM	12	0	20.96	20.96	20.96	20	2	
5	16QAM	12	13	20.72	20.92	20.82			
5	16QAM	25	0	20.96	21.03	20.87			
5	16QAM	25	0	20.96	21.03	20.87	22	2	
5	16QAM	1	12	20.78	20.91	20.83			
5	16QAM	1	24	20.93	20.97	20.91			
5	16QAM	12	0	19.93	19.92	19.98	21	3	
5	16QAM	12	2	19.93	19.91	19.91			
5	16QAM	12	13	19.75	19.91	19.76			
5	16QAM	25	0	19.88	19.90	19.88	19	5	
5	16QAM	25	0	17.86	18.00	17.75			
5	256QAM	1	12	18.01	18.04	17.88			
5	256QAM	1	24	17.77	17.92	17.86	19	5	
5	256QAM	12	0	17.90	17.94	17.86			
5	256QAM	12	7	17.92	18.06	17.90			
5	256QAM	12	13	17.90	17.89	17.90	19	5	
5	256QAM	25	0	18.04	18.04	18.04			
5	256QAM	25	0	18.04	18.04	18.04			

Band 26 Ant0													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Max Ch./Freq.	Power High Ch./Freq.	Turn-up time (sec)	MFR (dB)					
Channel				811.5	811.5	841.5							
Frequency (MHz)													
15	QPSK	1	0	22.61	22.11	22.97	24	0					
15	QPSK	1	37	22.73	22.62	22.83							
15	QPSK	1	74	22.88	22.93	22.87							
15	QPSK	36	0	21.86	21.96	21.81							
15	QPSK	36	20	21.80	21.93	21.79	23	1					
15	QPSK	36	36	21.79	21.91	21.62							
15	QPSK	75	0	21.85	22.03	21.68							
15	IQAM	1	0	21.90	22.01	21.86							
15	IQAM	1	37	21.86	21.80	21.74	23	1					
15	IQAM	1	74	21.89	21.93	21.85							
15	IQAM	36	0	20.84	20.94	20.83							
15	IQAM	36	20	20.82	20.94	20.83							
15	IQAM	36	36	20.77	20.86	20.83	22	2					
15	IQAM	75	0	21.02	21.00	20.99							
15	IQAM	1	0	20.91	21.03	20.99							
15	IQAM	1	37	20.86	20.92	20.76							
15	IQAM	1	74	20.85	20.88	20.86	22	2					
15	IQAM	36	0	19.87	20.01	19.89							
15	IQAM	36	20	19.82	19.93	19.87							
15	IQAM	36	36	19.75	19.96	19.81							
15	IQAM	75	0	17.89	18.04	17.86	21	3					
15	IQAM	1	0	17.89	19.98	19.85							
15	25QAM	1	0	17.87	17.79	17.78							
15	25QAM	1	37	17.74	17.79	17.78							
15	25QAM	1	74	17.89	17.96	17.82	19	5					
15	25QAM	36	0	17.87	17.87	17.87							
15	25QAM	36	20	17.79	17.97	17.85							
15	25QAM	36	36	17.83	17.89	17.83							
15	25QAM	75	0	17.81	18.05	17.87	19	5					
Channel				2674.5	2666.5	2669.5							
Frequency (MHz)													
10	QPSK	1	0	22.79	22.93	22.91	24	0					
10	QPSK	1	26	22.63	22.70	22.87							
10	QPSK	1	49	22.76	22.78	22.78							
10	QPSK	25	0	21.71	21.83	21.75							
10	QPSK	25	12	21.74	21.86	21.71	23	1					
10	QPSK	25	25	21.66	21.78	21.77							
10	QPSK	50	0	21.80	21.96	21.89							
10	IQAM	1	0	21.81	21.97	21.81							
10	IQAM	1	25	21.74	21.76	21.81	23	1					
10	IQAM	1	49	21.74	21.80	21.81							
10	IQAM	25	0	20.75	20.85	20.79							
10	IQAM	25	12	20.68	20.84	20.79							
10	IQAM	25	25	20.69	20.86	20.85	22	2					
10	IQAM	50	0	20.96	20.99	20.97							
10	IQAM	1	0	20.77	20.93	20.85							
10	IQAM	1	25	20.75	20.75	20.88							
10	IQAM	1	49	20.79	20.78	20.81	21	3					
10	IQAM	25	0	19.80	19.95	19.84							
10	IQAM	25	12	19.88	19.84	19.87							
10	IQAM	25	25	19.07	19.51	19.70							
10	IQAM	50	0	19.85	19.87	19.79	19	5					
10	25QAM	1	0	17.75	17.80	17.78							
10	25QAM	1	25	17.64	17.66	17.67							
10	25QAM	1	49	17.74	17.83	17.83							
10	25QAM	25	0	17.84	17.84	17.85	19	5					
10	25QAM	25	12	17.75	17.89	17.74							
10	25QAM	25	25	17.78	17.77	17.79							
10	25QAM	50	0	17.81	18.05	17.88							
Channel				2671.5	2666.5	2702.5							
Frequency (MHz)													
5	QPSK	1	0	22.84	22.84	22.84	24	0					
5	QPSK	1	12	22.68	22.73	22.72							
5	QPSK	1	24	22.82	22.82	22.82							
5	QPSK	12	0	21.82	21.92	21.87							
5	QPSK	12	7	21.66	21.87	21.70	23	1					
5	QPSK	12	13	21.69	21.84	21.79							
5	QPSK	26	0	21.82	21.96	21.89							
5	IQAM	1	0	21.83	21.87	21.89							
5	IQAM	1	12	21.75	21.69	21.68	23	1					
5	IQAM	1	24	21.84	21.80	21.79							
5	IQAM	12	0	20.70	20.82	20.79							
5	IQAM	12	7	20.69	20.85	20.74							
5	IQAM	12	13	20.70	20.87	20.79	22	2					
5	IQAM	26	0	20.87	20.86	20.77							
5	IQAM	1	0	20.77	20.91	20.88							
5	IQAM	1	12	20.84	20.87	20.82							
5	IQAM	1	24	20.71	20.74	20.81	22	2					
5	IQAM	12	0	19.83	19.89	19.79							
5	IQAM	12	7	19.77	19.88	19.80							
5	IQAM	12	13	19.71	19.82	19.68							
5	IQAM	26	0	19.84	19.89	19.71	21	3					
5	25QAM	1	0	17.75	18.00	17.78							
5	25QAM	1	12	17.71	17.75	17.72							
5	25QAM	1	24	17.77	17.92	17.79							
5	25QAM	12	0	17.75	17.90	17.78	19	5					
5	25QAM	12	7	17.67	17.92	17.74							
5	25QAM	12	13	17.80	17.83	17.76							
5	25QAM	26	0	17.85	17.95	17.81							
Channel				2670.5	2666.5	2702.5							
Frequency (MHz)													
3	QPSK	1	0	22.87	22.85	22.85	24	0					
3	QPSK	1	8	22.59	22.72	22.65							
3	QPSK	1	14	22.83	22.84	22.77							
3	QPSK	3	0	21.85	21.88	21.78							
3	QPSK	3	4	21.70	21.90	21.69	23	1					
3	QPSK	6	7	21.68	21.84	21.77							
3	QPSK	15	0	21.89	21.95	21.73							
3	IQAM	1	0	21.80	21.92	21.81							
3	IQAM	1	8	21.76	21.65	21.68	23	1					
3	IQAM	1	14	21.78	21.79	21.72							
3	IQAM	6	0	20.72	20.89	20.70							
3	IQAM	6	4	20.76	20.82	20.69							
3	IQAM	6	7	20.62	20.88	20.70	22	2					
3	IQAM	15	0	20.88	20.89	20.79							
3	IQAM	1	0	20.80	20.96	20.81							
3	IQAM	1	8	20.81	20.77	20.80	22	2					
3	IQAM	1	14	20.82	20.85	20.75							
3	IQAM	6	0	20.76	20.93	20.81							
3	IQAM	6	4	19.77	19.84	19.72							
3	IQAM	6	7	19.75	19.82	19.74	21	3					
3	IQAM	15	0	19.82	19.88	19.80							
3	IQAM	1	0	17.76	17.68	17.68							
3	25QAM	1	8	17.65	17.65	17.68							
3	25QAM	1	14	17.70	17.70	17.70	19	5					
3	25QAM	6	0	17.69	17.80	17.70							
3	25QAM	6	4	17.61	17.63	17.61							
3	25QAM	6	7	17.54	17.74	17.78							
3	25QAM	15	0	17.77	17.77	17.77	19	5					
3	25QAM	1	0	17.68	17.68	17.76							
Channel				2667.5	2666.5	2702.5							
Frequency (MHz)													
1.4	QPSK	1	0	22.79	22.86	22.83	24		0				
1.4	QPSK	1	5	22.76	22.85	22.85							
1.4	QPSK	1	10	22.73	22.88	22.72							
1.4	QPSK	3	0	22.65	22.86	22.85							
1.4	QPSK	3	2	22.73	22.81	22.72	23	1					
1.4	QPSK	3	5	22.73	22.81	22.72							
1.4	QPSK	15	0	21.77	21.93	21.80							
1.4	IQAM	1	0	21.72	21.75	21.80							
1.4	IQAM	3	0	21.68	21.79	21.74	23	1					
1.4	IQAM	3	2	21.68	21.85	21.81							
1.4	IQAM	15	0	20.88	20.88	20.73							
1.4	IQAM	1	0	20.80	20.92	20.80							
1.4	IQAM	1	5	20.78	20.70	20.68	22	2					
1.4	IQAM	1	10	20.72	20.65	20.74							
1.4	IQAM	3	0	20.72	20.79	20.81							
1.4	IQAM	3	2	20.71	20.61	20.70							
1.4	IQAM	15	0	17.77	17.90	17.93	21	3					
1.4	IQAM	1	0	17.81	17.70	17.72							
1.4	IQAM	1	5	17.84	17.63	17.79							
1.4	IQAM	3	0	17.74	17.93	17.70							
1.4	25QAM	3	0	17.74	17.84	17.80	19	5					
1.4	25QAM	3	2	17.77	17.80	17.78							
1.4	25QAM	15	0	17.84	18.03	17.90							
1.4	25QAM	1	0	17.84	17.85	17.85							

Band 38 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	22.98	23.19	23.06	24	0	
20	QPSK	1	49	22.97	23.11	23.02			
20	QPSK	1	99	22.93	23.07	23.02			
20	QPSK	50	0	22.14	22.20	22.09			
20	QPSK	50	24	22.05	22.12	22.05	23	1	
20	QPSK	50	50	22.00	22.06	21.96			
20	QPSK	100	0	22.11	22.16	22.07			
20	16QAM	1	0	21.90	22.04	22.03			
20	16QAM	1	49	21.90	22.01	21.89	23	1	
20	16QAM	1	99	21.87	21.92	21.99			
20	16QAM	50	0	21.06	21.17	21.04			
20	16QAM	50	24	21.02	21.02	20.94			
20	16QAM	50	50	20.90	20.97	20.91	22	2	
20	16QAM	100	0	21.03	21.10	20.94			
20	64QAM	1	0	20.98	21.14	21.07			
20	64QAM	1	49	20.98	21.04	20.95			
20	64QAM	1	99	20.85	21.07	21.00	22	2	
20	64QAM	50	0	20.13	20.19	20.06			
20	64QAM	50	24	20.05	20.03	20.07			
20	64QAM	50	50	19.98	19.99	19.97			
20	64QAM	100	0	20.01	20.13	20.02	21	3	
20	256QAM	1	0	17.95	18.21	18.07			
20	256QAM	1	49	17.94	18.07	18.06			
20	256QAM	1	99	17.91	18.12	18.06			
20	256QAM	50	0	18.12	18.22	18.07	19	5	
20	256QAM	50	24	18.03	18.15	18.03			
20	256QAM	50	50	18.01	18.12	18.00			
20	256QAM	100	0	18.10	18.21	18.03			
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	22.84	23.16	23.00	24	0	
15	QPSK	1	37	22.89	23.06	22.99			
15	QPSK	1	74	22.81	22.93	22.91			
15	QPSK	36	0	22.01	22.07	22.01			
15	QPSK	36	20	21.97	21.98	21.96	23	1	
15	QPSK	36	39	21.95	22.03	21.91			
15	QPSK	75	0	21.99	22.13	21.92			
15	16QAM	1	0	21.79	21.90	21.90			
15	16QAM	1	37	21.83	21.96	21.83	23	1	
15	16QAM	1	74	21.74	21.88	21.88			
15	16QAM	36	0	21.01	21.11	20.90			
15	16QAM	36	20	20.96	20.87	20.87			
15	16QAM	36	39	20.78	20.87	20.83	22	2	
15	16QAM	75	0	20.92	21.01	20.82			
15	64QAM	1	0	20.86	21.00	20.97			
15	64QAM	1	37	20.86	20.94	20.83			
15	64QAM	1	74	20.77	21.02	20.86	22	2	
15	64QAM	36	0	20.05	20.05	19.95			
15	64QAM	36	20	19.94	19.90	20.00			
15	64QAM	36	39	19.87	19.85	19.90			
15	64QAM	75	0	19.93	20.09	19.93	21	3	
15	256QAM	1	0	17.84	18.18	17.98			
15	256QAM	1	37	17.87	17.98	17.98			
15	256QAM	1	74	17.80	18.00	17.93			
15	256QAM	36	0	18.03	18.07	17.98	19	5	
15	256QAM	36	20	17.91	18.01	17.94			
15	256QAM	36	39	17.97	18.04	17.95			
15	256QAM	75	0	17.98	18.07	17.93			
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	22.88	23.08	22.97	24	0	
10	QPSK	1	25	22.94	23.06	22.88			
10	QPSK	1	49	22.80	22.94	22.90			
10	QPSK	25	0	22.02	22.08	21.95			
10	QPSK	25	12	21.94	22.06	21.91	23	1	
10	QPSK	25	25	21.90	21.93	21.82			
10	QPSK	50	0	22.04	22.11	21.98			
10	16QAM	1	0	21.76	21.89	21.96			
10	16QAM	1	25	21.77	21.96	21.85	23	1	
10	16QAM	1	49	21.80	21.78	21.89			
10	16QAM	25	0	20.98	21.04	20.91			
10	16QAM	25	12	20.92	20.97	20.81			
10	16QAM	25	25	20.84	20.84	20.79	22	2	
10	16QAM	50	0	20.88	20.99	20.89			
10	64QAM	1	0	20.85	21.05	21.01			
10	64QAM	1	25	20.83	20.91	20.83			
10	64QAM	1	49	20.81	21.03	20.91	21	3	
10	64QAM	25	0	20.02	20.11	19.95			
10	64QAM	25	12	20.00	19.95	19.96			
10	64QAM	25	25	19.89	19.88	19.84			
10	64QAM	50	0	19.97	20.03	19.91	19	5	
10	256QAM	1	0	17.92	18.10	17.92			
10	256QAM	1	25	17.86	18.00	17.97			
10	256QAM	1	49	17.83	18.02	17.91			
10	256QAM	25	0	18.05	18.12	17.94	19	5	
10	256QAM	25	12	17.95	18.11	17.90			
10	256QAM	25	25	17.88	17.97	17.95			
10	256QAM	50	0	18.04	18.09	17.94			
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	22.94	23.10	22.94	24	0	
5	QPSK	1	12	22.87	23.04	22.97			
5	QPSK	1	24	22.85	23.02	22.91			
5	QPSK	12	0	22.07	22.09	21.98			
5	QPSK	12	7	22.01	21.98	21.94	23	1	
5	QPSK	12	13	21.95	22.01	21.91			
5	QPSK	25	0	22.04	22.07	22.03			
5	16QAM	1	0	21.83	21.94	21.99			
5	16QAM	1	12	21.82	21.87	21.85	23	1	
5	16QAM	1	24	21.76	21.84	21.92			
5	16QAM	12	0	20.96	21.10	20.92			
5	16QAM	12	7	20.98	20.89	20.83			
5	16QAM	12	13	20.86	20.84	20.77	22	2	
5	16QAM	25	0	20.99	21.04	20.81			
5	64QAM	1	0	20.90	21.00	21.01			
5	64QAM	1	12	20.95	20.91	20.84			
5	64QAM	1	24	20.70	20.97	20.92	22	2	
5	64QAM	12	0	20.03	20.09	19.97			
5	64QAM	12	7	20.01	19.96	20.01			
5	64QAM	12	13	19.85	19.92	19.91			
5	64QAM	25	0	19.91	20.07	19.89	21	3	
5	256QAM	1	0	17.89	18.11	18.03			
5	256QAM	1	12	17.83	17.95	17.96			
5	256QAM	1	24	17.86	18.02	17.98			
5	256QAM	12	0	18.05	18.10	17.99	19	5	
5	256QAM	12	7	17.94	18.06	17.95			
5	256QAM	12	13	17.96	18.08	17.94			
5	256QAM	25	0	17.98	18.12	17.98			

Band 38 HPUE Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	25.38	25.54	25.46	27	0	
20	QPSK	1	49	25.32	25.40	25.31			
20	QPSK	1	99	25.40	25.48	25.42			
20	QPSK	50	0	24.49	24.62	24.58	26	1	
20	QPSK	50	24	24.42	24.55	24.51			
20	QPSK	50	50	24.35	24.49	24.39			
20	QPSK	100	0	24.45	24.57	24.52	26	1	
20	16QAM	1	0	24.74	24.84	24.69			
20	16QAM	1	49	24.65	24.80	24.76			
20	16QAM	1	99	24.68	24.72	24.62	25	2	
20	16QAM	50	0	23.54	23.62	23.58			
20	16QAM	50	24	23.36	23.46	23.35			
20	16QAM	50	50	23.46	23.51	23.42	24	3	
20	16QAM	100	0	23.54	23.63	23.60			
20	16QAM	1	0	23.51	23.61	23.47			
20	64QAM	1	49	23.34	23.45	23.33	25	2	
20	64QAM	1	99	23.45	23.54	23.41			
20	64QAM	50	0	22.63	22.67	22.58			
20	64QAM	50	24	22.48	22.53	22.39	24	3	
20	64QAM	50	50	22.54	22.62	22.55			
20	64QAM	100	0	22.47	22.61	22.54			
20	256QAM	1	0	20.57	20.70	20.59	22	5	
20	256QAM	1	49	20.52	20.61	20.58			
20	256QAM	1	99	20.51	20.54	20.43			
20	256QAM	50	0	20.64	20.73	20.69	22	5	
20	256QAM	50	24	20.72	20.82	20.78			
20	256QAM	50	50	20.62	20.69	20.59			
20	256QAM	100	0	20.55	20.64	20.55			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	25.51	25.53	25.33	27	0	
15	QPSK	1	37	25.21	25.34	25.22			
15	QPSK	1	74	25.27	25.36	25.34			
15	QPSK	36	0	24.35	24.53	24.40	26	1	
15	QPSK	36	20	24.36	24.49	24.37			
15	QPSK	36	39	24.28	24.36	24.32			
15	QPSK	75	0	24.30	24.44	24.43	26	1	
15	16QAM	1	0	24.63	24.80	24.58			
15	16QAM	1	37	24.55	24.71	24.70			
15	16QAM	1	74	24.60	24.65	24.52	25	2	
15	16QAM	36	0	23.50	23.56	23.48			
15	16QAM	36	20	23.31	23.41	23.25			
15	16QAM	36	39	23.34	23.41	23.35	25	2	
15	16QAM	75	0	23.47	23.55	23.46			
15	64QAM	1	0	23.43	23.55	23.38			
15	64QAM	1	37	23.19	23.37	23.24	24	3	
15	64QAM	1	74	23.36	23.41	23.38			
15	64QAM	36	0	22.54	22.60	22.50			
15	64QAM	36	20	22.39	22.41	22.27	22	5	
15	64QAM	36	39	22.44	22.52	22.21			
15	64QAM	75	0	22.37	22.49	22.42			
15	256QAM	1	0	20.50	20.56	20.46	22	5	
15	256QAM	1	37	20.41	20.57	20.48			
15	256QAM	1	74	20.41	20.50	20.36			
15	256QAM	36	0	20.59	20.62	20.57	22	5	
15	256QAM	36	20	20.59	20.78	20.72			
15	256QAM	36	39	20.59	20.59	20.47			
15	256QAM	75	0	20.42	20.51	20.46			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	25.50	25.49	25.37	27	0	
10	QPSK	1	25	25.26	25.34	25.19			
10	QPSK	1	49	25.31	25.34	25.29			
10	QPSK	25	0	24.39	24.57	24.51	26	1	
10	QPSK	25	12	24.36	24.42	24.47			
10	QPSK	25	25	24.30	24.38	24.34			
10	QPSK	50	0	24.33	24.43	24.41	26	1	
10	16QAM	1	0	24.68	24.81	24.65			
10	16QAM	1	25	24.55	24.75	24.66			
10	16QAM	1	49	24.64	24.62	24.55	25	2	
10	16QAM	25	0	23.42	23.55	23.30			
10	16QAM	25	12	23.26	23.42	23.30			
10	16QAM	25	25	23.35	23.36	23.30	25	2	
10	16QAM	50	0	23.48	23.56	23.45			
10	64QAM	1	0	23.40	23.47	23.34			
10	64QAM	1	25	23.28	23.38	23.25	24	3	
10	64QAM	1	49	23.41	23.45	23.32			
10	64QAM	25	0	22.48	22.60	22.53			
10	64QAM	25	12	22.35	22.48	22.36	22	5	
10	64QAM	25	25	22.39	22.58	22.51			
10	256QAM	1	0	20.39	20.56	20.45			
10	256QAM	1	25	20.48	20.57	20.48	22	5	
10	256QAM	1	49	20.41	20.41	20.33			
10	256QAM	25	0	20.50	20.65	20.58			
10	256QAM	25	12	20.69	20.75	20.67	22	5	
10	256QAM	25	25	20.54	20.62	20.51			
10	256QAM	50	0	20.52	20.54	20.50			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	25.52	25.49	25.42	27	0	
5	QPSK	1	12	25.22	25.26	25.27			
5	QPSK	1	24	25.27	25.39	25.28			
5	QPSK	12	0	24.44	24.50	24.44	26	1	
5	QPSK	12	7	24.33	24.46	24.42			
5	QPSK	12	13	24.24	24.35	24.28			
5	QPSK	25	0	24.31	24.54	24.44	26	1	
5	16QAM	1	0	24.68	24.73	24.61			
5	16QAM	1	12	24.53	24.75	24.66			
5	16QAM	1	24	24.64	24.59	24.51	25	2	
5	16QAM	12	0	23.48	23.52	23.50			
5	16QAM	12	7	23.32	23.41	23.21			
5	16QAM	12	13	23.35	23.48	23.36	24	3	
5	16QAM	25	0	23.44	23.51	23.45			
5	64QAM	1	0	23.45	23.49	23.34			
5	64QAM	1	12	23.20	23.36	23.19	25	2	
5	64QAM	1	24	23.32	23.42	23.36			
5	64QAM	12	0	22.59	22.59	22.47			
5	64QAM	12	7	22.44	22.43	22.27	24	3	
5	64QAM	12	13	22.46	22.53	22.47			
5	64QAM	25	0	22.42	22.56	22.42			
5	256QAM	1	0	20.50	20.60	20.49	22	5	
5	256QAM	1	12	20.44	20.56	20.53			
5	256QAM	1	24	20.44	20.40	20.38			
5	256QAM	12	0	20.56	20.67	20.61	22	5	
5	256QAM	12	7	20.65	20.75	20.69			
5	256QAM	12	13	20.57	20.60	20.49			
5	256QAM	25	0	20.47	20.52	20.46			

Band 41 Ant0												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	22.98	23.14	23.27	23.23	23.25	24	0		
20	QPSK	1	49	22.93	22.88	23.02	22.93	22.95				
20	QPSK	1	99	22.98	23.00	23.10	23.03	23.01				
20	QPSK	50	0	22.04	22.05	22.15	22.07	22.11				
20	QPSK	50	24	22.00	22.05	22.12	22.03	22.04	23	1		
20	QPSK	50	50	21.94	21.97	22.07	22.03	21.93				
20	QPSK	100	0	22.03	22.05	22.16	22.07	22.09				
20	16QAM	1	0	21.99	22.10	22.27	22.19	22.26				
20	16QAM	1	49	21.92	21.88	22.01	21.96	21.99	23	1		
20	16QAM	1	99	22.04	21.99	22.07	22.01	22.07				
20	16QAM	50	0	21.05	21.12	21.15	21.04	21.17				
20	16QAM	50	24	20.98	21.02	21.09	21.09	21.06				
20	16QAM	50	50	20.96	20.93	21.08	21.05	20.97	22	2		
20	16QAM	100	0	21.02	21.00	21.13	21.07	21.11				
20	64QAM	1	0	20.94	21.21	21.23	21.26	21.13				
20	64QAM	1	49	20.96	20.91	21.07	20.92	20.90				
20	64QAM	1	99	20.95	21.00	21.17	21.00	21.08	22	2		
20	64QAM	50	0	20.06	20.08	20.21	20.14	20.17				
20	64QAM	50	24	19.98	20.11	20.17	20.00	20.00				
20	64QAM	50	50	19.98	19.97	20.08	20.02	19.93				
20	64QAM	100	0	20.08	20.11	20.22	20.14	20.10	21	3		
20	256QAM	1	0	17.96	18.05	18.19	18.15	18.14				
20	256QAM	1	49	17.94	17.88	18.01	17.94	17.94				
20	256QAM	1	99	17.97	17.93	18.09	18.02	17.98				
20	256QAM	50	0	18.02	18.04	18.07	18.04	18.02	19	5		
20	256QAM	50	24	18.01	18.02	18.05	17.94	18.02				
20	256QAM	50	50	17.87	17.95	18.09	17.96	17.93				
20	256QAM	100	0	18.03	18.02	18.15	18.01	18.08				
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5				
15	QPSK	1	0	22.88	23.10	23.15	23.14	23.21	24.00	0		
15	QPSK	1	37	22.87	22.83	22.90	22.82	22.83				
15	QPSK	1	74	22.94	22.92	22.97	22.96	22.93				
15	QPSK	36	0	21.90	21.92	22.05	21.92	22.07				
15	QPSK	36	20	21.87	22.00	22.08	21.98	22.01	23	1		
15	QPSK	36	39	21.84	21.91	22.02	21.89	21.83				
15	QPSK	75	0	21.98	22.00	22.11	22.00	21.98				
15	16QAM	1	0	21.86	22.06	22.21	22.15	22.11				
15	16QAM	1	37	21.77	21.73	21.98	21.87	21.94	23	1		
15	16QAM	1	74	21.91	21.89	21.98	21.91	22.02				
15	16QAM	36	0	20.98	21.04	21.10	20.93	21.02				
15	16QAM	36	20	20.91	20.92	21.00	20.97	20.95				
15	16QAM	36	39	20.88	20.83	21.02	20.96	20.92	22	2		
15	16QAM	75	0	20.90	20.91	21.03	21.01	20.97				
15	64QAM	1	0	20.90	21.14	21.12	21.11	21.04				
15	64QAM	1	37	20.86	20.88	20.95	20.89	20.81				
15	64QAM	1	74	20.90	20.97	21.11	20.88	20.97	22	2		
15	64QAM	36	0	20.02	20.00	20.11	20.06	20.10				
15	64QAM	36	20	19.92	20.06	20.05	19.94	19.93				
15	64QAM	36	39	19.89	19.87	19.97	19.94	19.81				
15	64QAM	75	0	19.99	19.99	20.15	20.08	20.03	21	3		
15	256QAM	1	0	17.85	17.94	18.08	18.03	18.07				
15	256QAM	1	37	17.79	17.76	17.87	17.87	17.89				
15	256QAM	1	74	17.92	17.90	17.94	17.90	17.92				
15	256QAM	36	0	17.91	17.98	17.99	17.95	17.97	19	5		
15	256QAM	36	20	17.94	17.93	17.90	17.80	17.90				
15	256QAM	36	39	17.80	17.84	17.96	17.83	17.89				
15	256QAM	75	0	17.90	17.95	18.02	17.92	18.00				
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2501	2547	2593	2639	2685				
10	QPSK	1	0	22.85	23.09	23.15	23.11	23.15	24.00	0		
10	QPSK	1	25	22.86	22.79	22.98	22.87	22.81				
10	QPSK	1	49	22.91	22.85	22.97	22.90	22.91				
10	QPSK	25	0	21.93	22.00	22.06	22.04	22.06				
10	QPSK	25	12	21.85	21.93	22.09	21.91	21.98	23	1		
10	QPSK	25	25	21.90	21.92	21.94	21.98	21.89				
10	QPSK	50	0	21.95	21.99	22.11	21.96	22.00				
10	16QAM	1	0	21.93	22.02	22.19	22.09	22.14				
10	16QAM	1	25	21.79	21.79	21.91	21.86	21.94	23	1		
10	16QAM	1	49	21.94	21.86	21.99	21.90	21.92				
10	16QAM	25	0	20.95	20.97	21.10	20.90	21.12				
10	16QAM	25	12	20.94	20.97	21.00	20.97	20.97				
10	16QAM	25	25	20.87	20.80	21.03	20.95	20.91	22	2		
10	16QAM	50	0	20.99	20.91	21.00	20.98	21.03				
10	64QAM	1	0	20.80	21.12	21.12	21.22	21.05				
10	64QAM	1	25	20.91	20.78	20.96	20.80	20.86				
10	64QAM	1	49	20.89	20.95	21.11	20.85	20.95	22	2		
10	64QAM	25	0	19.99	20.02	20.11	20.00	20.10				
10	64QAM	25	12	19.84	19.98	20.05	19.93	19.92				
10	64QAM	25	25	19.83	19.93	20.03	19.96	19.90				
10	64QAM	50	0	19.96	20.00	20.17	19.99	20.01	21	3		
10	256QAM	1	0	17.91	18.00	18.05	18.03	18.09				
10	256QAM	1	25	17.86	17.79	17.92	17.82	17.80				
10	256QAM	1	49	17.89	17.84	17.97	17.89	17.85				
10	256QAM	25	0	17.89	17.93	17.94	17.92	17.95	19	5		
10	256QAM	25	12	17.94	17.95	17.98	17.87	17.98				
10	256QAM	25	25	17.79	17.82	17.96	17.88	17.86				
10	256QAM	50	0	17.97	17.98	18.06	17.87	18.03				
Channel				39675	40148	40620	41093	41555	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5				
5	QPSK	1	0	22.95	23.08	23.18	23.18	23.22	24.00	0		
5	QPSK	1	12	22.85	22.77	22.88	22.84	22.82				
5	QPSK	1	24	22.84	22.88	22.96	22.97	22.89				
5	QPSK	12	0	21.98	21.96	22.10	21.92	21.99	23	1		
5	QPSK	12	7	21.96	22.01	22.04	21.95	21.94				
5	QPSK	12	13	21.86	21.86	22.02	21.96	21.81				
5	QPSK	25	0	21.97	22.00	22.09	22.03	22.05	23	1		
5	16QAM	1	0	21.91	21.95	22.22	22.07	22.19				
5	16QAM	1	12	21.85	21.83	21.86	21.85	21.86				
5	16QAM	1	24	21.93	21.92	21.92	21.97	21.93	23	1		
5	16QAM	12	0	20.97	21.02	21.11	20.99	21.08				
5	16QAM	12	7	20.84	20.90	21.01	20.97	20.96				
5	16QAM	12	13	20.87	20.89	20.93	21.00	20.83	22	2		
5	16QAM	25	0	20.94	20.95	21.03	20.96	21.12				
5	64QAM	1	0	20.80	21.17	21.20	21.20	20.99				
5	64QAM	1	12	20.87	20.81	20.95	20.81	20.80	22	2		
5	64QAM	1	24	20.85	20.97	21.06	20.85	20.93				
5	64QAM	12	0	20.02	19.96	20.08	20.00	20.10				
5	64QAM	12	7	19.85	19.87	20.12	19.87	19.90	21	3		
5	64QAM	12	13	19.90	19.92	20.03	19.98	19.90				
5	64QAM	25	0	20.00	20.01	20.12	20.04	20.03				
5	256QAM	1	0	17.83	17.92	18.04	18.06	18.08	19	5		
5	256QAM	1	12	17.88	17.75	17.87	17.85	17.90				
5	256QAM	1	24	17.88	17.86	18.01	17.93	17.91				
5	256QAM	12	0	17.96	17.92	18.01	17.96	17.89	19	5		
5	256QAM	12	7	17.97	17.92	17.98	17.83	17.94				
5	256QAM	12	13	17.82	17.83	18.00	17.86	17.78				
5	256QAM	25	0	18.00	17.97	18.01	17.96	17.96				

Band 5 ENDC Ant1									
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				20450	20525	20600			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	21.56	21.62	21.54	22.3	0	
10	QPSK	1	25	21.50	21.58	21.48			
10	QPSK	1	49	21.56	21.58	21.49			
10	QPSK	25	0	21.39	21.60	21.44	22.3	0	
10	QPSK	25	12	21.44	21.46	21.32			
10	QPSK	25	25	21.48	21.58	21.41			
10	QPSK	50	0	21.49	21.52	21.47	22.3	0	
10	16QAM	1	0	21.36	21.52	21.56			
10	16QAM	1	25	21.56	21.54	21.37			
10	16QAM	1	49	21.50	21.55	21.39	22	0.3	
10	16QAM	25	0	21.22	21.38	21.22			
10	16QAM	25	12	21.30	21.18	21.20			
10	16QAM	25	25	21.30	21.30	21.14	22	0.3	
10	16QAM	50	0	21.26	21.27	21.27			
10	64QAM	1	0	21.29	21.36	21.17			
10	64QAM	1	25	21.09	21.17	21.10	21	1.3	
10	64QAM	1	49	21.15	21.38	21.23			
10	64QAM	25	0	20.15	20.36	20.30			
10	64QAM	25	12	20.27	20.25	20.35	19	3.3	
10	64QAM	25	25	20.29	20.24	20.14			
10	64QAM	50	0	20.34	20.27	20.23			
10	256QAM	1	0	18.31	18.29	18.26	19	3.3	
10	256QAM	1	25	18.28	18.28	18.10			
10	256QAM	1	49	18.31	18.27	18.27			
10	256QAM	25	0	18.30	18.23	18.15	19	3.3	
10	256QAM	25	12	18.19	18.23	18.16			
10	256QAM	25	25	18.31	18.24	18.16			
10	256QAM	50	0	18.17	18.38	18.29			
Channel				20425	20525	20625			
Frequency (MHz)				826.5	836.5	846.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	21.45	21.61	21.34	22.3	0	
5	QPSK	1	12	21.34	21.53	21.35			
5	QPSK	1	24	21.44	21.60	21.51			
5	QPSK	12	0	21.40	21.48	21.44	22.3	0	
5	QPSK	12	7	21.26	21.40	21.32			
5	QPSK	12	13	21.29	21.37	21.31			
5	QPSK	25	0	21.50	21.51	21.30	22.3	0	
5	16QAM	1	0	21.33	21.34	21.39			
5	16QAM	1	12	21.41	21.52	21.36			
5	16QAM	1	24	21.46	21.44	21.40	22	0.3	
5	16QAM	12	0	21.03	21.38	21.17			
5	16QAM	12	7	21.25	21.11	21.04			
5	16QAM	12	13	21.22	21.30	20.99	22	0.3	
5	16QAM	25	0	21.20	21.13	21.19			
5	64QAM	1	0	21.18	21.22	21.07			
5	64QAM	1	12	21.10	20.95	21.10	21	1.3	
5	64QAM	1	24	20.94	21.29	21.16			
5	64QAM	12	0	20.16	20.18	20.30			
5	64QAM	12	7	20.27	20.26	20.26	19	3.3	
5	64QAM	12	13	20.20	20.12	19.97			
5	64QAM	25	0	20.12	20.10	20.03			
5	256QAM	1	0	18.22	18.12	18.06	19	3.3	
5	256QAM	1	12	18.27	18.09	18.02			
5	256QAM	1	24	18.33	18.09	18.07			
5	256QAM	12	0	18.18	18.02	18.08	19	3.3	
5	256QAM	12	7	17.98	18.22	17.99			
5	256QAM	12	13	18.13	18.07	18.02			
5	256QAM	25	0	17.98	18.16	18.29			
Channel				20415	20525	20635			
Frequency (MHz)				825.5	836.5	847.5	Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	21.42	21.58	21.50	22.3	0	
3	QPSK	1	8	21.38	21.57	21.27			
3	QPSK	1	14	21.46	21.54	21.28			
3	QPSK	8	0	21.18	21.54	21.25	22.3	0	
3	QPSK	8	4	21.44	21.32	21.29			
3	QPSK	8	7	21.29	21.55	21.21			
3	QPSK	15	0	21.29	21.42	21.35	22.3	0	
3	16QAM	1	0	21.31	21.32	21.38			
3	16QAM	1	8	21.45	21.43	21.17			
3	16QAM	1	14	21.49	21.54	21.34	22	0.3	
3	16QAM	8	0	21.04	21.17	21.12			
3	16QAM	8	4	21.10	20.99	21.02			
3	16QAM	8	7	21.29	21.20	21.09	21	1.3	
3	16QAM	15	0	21.20	21.15	21.28			
3	64QAM	1	0	21.19	21.15	21.18			
3	64QAM	1	8	21.04	21.09	21.08	22	0.3	
3	64QAM	1	14	21.04	21.33	21.04			
3	64QAM	8	0	20.04	20.36	20.18			
3	64QAM	8	4	20.07	20.24	20.25	19	3.3	
3	64QAM	8	7	20.19	20.08	19.96			
3	64QAM	15	0	20.28	20.27	20.19			
3	256QAM	1	0	18.12	18.24	18.04	19	3.3	
3	256QAM	1	8	18.17	18.11	17.98			
3	256QAM	1	14	18.17	18.23	18.23			
3	256QAM	8	0	18.18	18.24	18.04	19	3.3	
3	256QAM	8	4	18.11	18.11	18.14			
3	256QAM	8	7	18.11	18.09	18.14			
3	256QAM	15	0	18.10	18.31	18.14			
Channel				20407	20525	20643			
Frequency (MHz)				824.7	836.5	848.3	Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	21.57	21.50	21.36	22.3	0	
1.4	QPSK	1	3	21.48	21.52	21.32			
1.4	QPSK	1	5	21.44	21.39	21.38			
1.4	QPSK	3	0	21.41	21.55	21.34	22.3	0	
1.4	QPSK	3	1	21.36	21.33	21.11			
1.4	QPSK	3	3	21.49	21.44	21.40			
1.4	QPSK	6	0	21.28	21.33	21.28	22.3	0	
1.4	16QAM	1	0	21.26	21.34	21.38			
1.4	16QAM	1	3	21.50	21.55	21.28			
1.4	16QAM	1	5	21.40	21.49	21.39	22	0.3	
1.4	16QAM	3	0	21.17	21.27	21.06			
1.4	16QAM	3	1	21.19	21.20	21.13			
1.4	16QAM	3	3	21.27	21.08	21.15	22	0.3	
1.4	16QAM	6	0	21.25	21.26	21.18			
1.4	64QAM	1	0	21.14	21.22	21.11			
1.4	64QAM	1	5	21.09	21.18	21.04	22	0.3	
1.4	64QAM	1	5	21.11	21.29	21.24			
1.4	64QAM	3	0	20.08	20.23	20.23			
1.4	64QAM	3	1	20.18	20.12	20.26	21	1.3	
1.4	64QAM	3	3	20.08	20.11	20.05			
1.4	64QAM	6	0	20.33	20.18	20.08			
1.4	256QAM	1	0	18.32	18.22	18.24	19	3.3	
1.4	256QAM	1	3	18.25	18.23	18.03			
1.4	256QAM	1	5	18.17	18.13	18.22			
1.4	256QAM	3	0	18.32	18.15	18.02	19	3.3	
1.4	256QAM	3	1	18.13	18.21	18.07			
1.4	256QAM	3	3	18.20	18.12	18.14			
1.4	256QAM	6	0	18.12	18.37	18.28	19	3.3	

Band 7 ENDC Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	16.32	16.34	16.21	17.5	0	
20	QPSK	1	49	16.28	16.29	16.10			
20	QPSK	1	99	16.24	16.32	16.15			
20	QPSK	50	0	16.17	16.32	16.12	17.5	0	
20	QPSK	50	24	16.31	16.12	16.11			
20	QPSK	50	50	16.12	16.25	16.12			
20	QPSK	100	0	16.23	16.30	16.13	17.5	0	
20	16QAM	1	0	16.17	16.12	16.21			
20	16QAM	1	49	16.23	16.09	15.96			
20	16QAM	1	99	16.10	16.21	16.13	17.5	0	
20	16QAM	50	0	16.06	16.09	16.05			
20	16QAM	50	24	16.20	16.11	16.00			
20	16QAM	50	50	15.91	16.21	16.13	17.5	0	
20	16QAM	100	0	16.12	16.09	16.11			
20	64QAM	1	0	16.27	16.13	16.12			
20	64QAM	1	49	16.23	16.12	15.94	17.5	0	
20	64QAM	1	99	16.06	16.31	16.03			
20	64QAM	50	0	16.16	16.04	15.96			
20	64QAM	50	24	16.24	16.11	16.02	17.5	0	
20	64QAM	50	50	16.11	16.19	16.09			
20	64QAM	100	0	16.32	16.17	16.00			
20	256QAM	1	0	16.28	16.15	16.09	17.5	0	
20	256QAM	1	49	16.26	16.18	15.95			
20	256QAM	50	0	16.10	15.96	16.09			
20	256QAM	50	24	16.12	15.92	15.94	17.5	0	
20	256QAM	50	50	15.99	16.15	16.14			
20	256QAM	100	0	16.21	16.16	15.97			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	16.21	16.24	16.05	17.5	0	
15	QPSK	1	37	16.10	16.19	15.93			
15	QPSK	1	74	16.14	16.10	16.13			
15	QPSK	36	0	15.98	16.05	16.10	17.5	0	
15	QPSK	36	20	16.29	16.01	16.09			
15	QPSK	36	39	16.10	16.17	16.03			
15	QPSK	75	0	16.29	16.08	15.95	17.5	0	
15	16QAM	1	0	16.13	16.13	16.04			
15	16QAM	1	37	16.12	15.96	15.79			
15	16QAM	1	74	15.93	16.15	16.08	17.5	0	
15	16QAM	36	0	16.04	15.98	15.92			
15	16QAM	36	20	16.18	16.07	15.94			
15	16QAM	36	39	15.84	16.09	16.04	17.5	0	
15	16QAM	75	0	16.02	16.10	16.04			
15	64QAM	1	0	16.17	16.07	16.05			
15	64QAM	1	37	16.20	16.02	15.84	17.5	0	
15	64QAM	1	74	16.07	16.23	15.84			
15	64QAM	36	0	16.09	15.88	15.78			
15	64QAM	36	20	16.21	16.08	15.84	17.5	0	
15	64QAM	36	39	15.90	16.18	15.98			
15	64QAM	75	0	16.19	15.97	15.96			
15	256QAM	1	0	16.08	16.13	15.88	17.5	0	
15	256QAM	1	37	16.07	15.97	15.79			
15	256QAM	1	74	15.95	16.02	16.02			
15	256QAM	36	0	16.05	15.80	15.92	17.5	0	
15	256QAM	36	20	16.03	15.78	15.84			
15	256QAM	36	39	15.94	16.14	16.05			
15	256QAM	75	0	16.03	16.05	15.95			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	16.24	16.13	16.05	17.5	0	
10	QPSK	1	25	16.22	16.21	15.98			
10	QPSK	1	49	16.21	16.12	16.06			
10	QPSK	25	0	16.07	16.02	15.92	17.5	0	
10	QPSK	25	12	16.18	16.09	15.90			
10	QPSK	25	25	15.96	16.17	16.14			
10	QPSK	50	0	16.27	16.06	15.94	17.5	0	
10	16QAM	1	0	16.11	15.95	16.16			
10	16QAM	1	25	16.09	16.01	15.85			
10	16QAM	1	49	15.97	16.18	15.96	17.5	0	
10	16QAM	25	0	15.94	16.08	16.05			
10	16QAM	25	12	16.17	15.92	15.97			
10	16QAM	25	25	15.74	16.11	16.06	17.5	0	
10	16QAM	50	0	15.98	16.11	16.09			
10	64QAM	1	0	16.06	15.95	15.93			
10	64QAM	1	25	16.06	16.01	15.89	17.5	0	
10	64QAM	1	49	16.04	16.28	16.02			
10	64QAM	25	0	16.06	15.92	15.89			
10	64QAM	25	12	16.18	15.92	15.98	17.5	0	
10	64QAM	25	25	16.05	15.98	16.09			
10	64QAM	50	0	16.23	16.00	15.96			
10	256QAM	1	0	16.25	16.09	16.11	17.5	0	
10	256QAM	1	25	16.05	16.17	15.75			
10	256QAM	1	49	16.00	16.00	16.02			
10	256QAM	25	0	15.95	15.76	16.10	17.5	0	
10	256QAM	25	12	16.13	15.85	15.80			
10	256QAM	25	25	15.92	15.99	16.06			
10	256QAM	50	0	16.02	16.10	15.96			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	16.27	16.25	16.12	17.5	0	
5	QPSK	1	12	16.29	16.12	16.03			
5	QPSK	1	24	16.10	16.15	16.11			
5	QPSK	12	0	16.07	16.09	16.10	17.5	0	
5	QPSK	12	7	16.28	15.91	16.08			
5	QPSK	12	13	16.02	16.22	15.91			
5	QPSK	25	0	16.27	16.12	16.14	17.5	0	
5	16QAM	1	0	16.13	15.91	16.08			
5	16QAM	1	12	16.18	15.97	15.79			
5	16QAM	1	24	16.09	16.14	15.92	17.5	0	
5	16QAM	12	0	16.07	16.07	15.90			
5	16QAM	12	7	16.21	15.96	15.92			
5	16QAM	12	13	15.82	16.21	15.97	17.5	0	
5	16QAM	25	0	16.06	15.90	16.01			
5	64QAM	1	0	16.12	16.07	15.98			
5	64QAM	1	12	16.03	15.99	15.81	17.5	0	
5	64QAM	1	24	16.00	16.30	15.99			
5	64QAM	12	0	16.05	15.91	15.76			
5	64QAM	12	7	16.11	15.90	15.84	17.5	0	
5	64QAM	12	13	16.05	16.14	15.92			
5	64QAM	25	0	16.27	15.99	16.00			
5	256QAM	1	0	16.10	16.09	15.95	17.5	0	
5	256QAM	1	12	16.21	16.18	15.78			
5	256QAM	1	24	15.93	16.03	15.88			
5	256QAM	12	0	16.03	15.77	15.92	17.5	0	
5	256QAM	12	7	15.94	15.89	15.81			
5	256QAM	12	13	15.92	16.07	16.00			
5	256QAM	25	0	16.00	15.97	15.75	17.5	0	

Band 42 FCCAnt2									
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				42190	42590	42990			
Frequency (MHz)				3460	3500	3540			
				19.80	19.84	19.78			
20	QPSK	1	0	19.82	19.78	19.72	20.4	0	
20	QPSK	1	49	19.62	19.71	19.79			
20	QPSK	1	99	19.62	19.71	19.79			
20	QPSK	50	0	19.76	19.82	19.58	20.4	0	
20	QPSK	50	24	19.65	19.81	19.65			
20	QPSK	50	50	19.76	19.62	19.78			
20	QPSK	100	0	19.67	19.69	19.58	20.4	0	
20	16QAM	1	0	19.65	19.80	19.73			
20	16QAM	1	49	19.71	19.66	19.52			
20	16QAM	1	99	19.43	19.67	19.61	20.4	0	
20	16QAM	50	0	19.74	19.52	19.40			
20	16QAM	50	24	19.60	19.66	19.63			
20	16QAM	50	50	19.69	19.59	19.68	20.4	0	
20	16QAM	100	0	19.66	19.54	19.57			
20	64QAM	1	0	19.75	19.83	19.76			
20	64QAM	1	49	19.75	19.68	19.72	20.4	0	
20	64QAM	1	99	19.55	19.57	19.74			
20	64QAM	50	0	19.68	19.33	19.58			
20	64QAM	50	24	19.58	19.79	19.44	20.4	0	
20	64QAM	50	50	19.66	19.54	19.78			
20	64QAM	100	0	19.49	19.53	19.54			
20	256QAM	1	0	18.40	18.44	18.35	19	1.4	
20	256QAM	1	49	18.31	18.26	18.33			
20	256QAM	1	99	18.19	18.38	18.30			
20	256QAM	50	0	18.33	18.05	18.07	19	1.4	
20	256QAM	50	24	18.14	18.47	18.14			
20	256QAM	50	50	18.27	18.19	18.28			
20	256QAM	100	0	18.38	18.33	18.07			
Channel				42165	42590	43015			
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	19.78	19.83	19.58	20.4	0	
15	QPSK	1	37	19.80	19.67	19.62			
15	QPSK	1	74	19.47	19.71	19.81			
15	QPSK	36	0	19.70	19.39	19.57	20.4	0	
15	QPSK	36	20	19.47	19.75	19.56			
15	QPSK	36	39	19.55	19.41	19.58			
15	QPSK	75	0	19.50	19.56	19.55	20.4	0	
15	16QAM	1	0	19.54	19.66	19.68			
15	16QAM	1	37	19.70	19.65	19.49			
15	16QAM	1	74	19.25	19.52	19.53	20.4	0	
15	16QAM	36	0	19.52	19.46	19.39			
15	16QAM	36	20	19.40	19.62	19.58			
15	16QAM	36	39	19.64	19.57	19.56	20.4	0	
15	16QAM	75	0	19.48	19.47	19.43			
15	64QAM	1	0	19.61	19.81	19.69			
15	64QAM	1	37	19.72	19.50	19.61	20.4	0	
15	64QAM	1	74	19.43	19.57	19.58			
15	64QAM	36	0	19.68	19.22	19.38			
15	64QAM	36	20	19.38	19.64	19.32	20.4	0	
15	64QAM	36	39	19.60	19.40	19.60			
15	64QAM	75	0	19.44	19.34	19.32			
15	256QAM	1	0	18.35	18.29	18.24	19	1.4	
15	256QAM	1	37	18.23	18.22	18.20			
15	256QAM	1	74	18.14	18.26	18.11			
15	256QAM	36	0	18.15	17.87	17.99	19	1.4	
15	256QAM	36	20	17.98	18.32	18.14			
15	256QAM	36	39	18.09	18.06	18.19			
15	256QAM	75	0	18.32	18.33	18.02			
Channel				42140	42590	43040			
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	19.73	19.68	19.70	20.4	0	
10	QPSK	1	25	19.77	19.68	19.59			
10	QPSK	1	49	19.63	19.61	19.80			
10	QPSK	25	0	19.63	19.51	19.39	20.4	0	
10	QPSK	25	12	19.63	19.75	19.47			
10	QPSK	25	25	19.77	19.47	19.66			
10	QPSK	50	0	19.49	19.48	19.53	20.4	0	
10	16QAM	1	0	19.44	19.63	19.75			
10	16QAM	1	25	19.67	19.67	19.42			
10	16QAM	1	49	19.39	19.55	19.51	20.4	0	
10	16QAM	25	0	19.71	19.30	19.31			
10	16QAM	25	12	19.51	19.45	19.43			
10	16QAM	25	25	19.52	19.56	19.64	20.4	0	
10	16QAM	50	0	19.56	19.52	19.51			
10	64QAM	1	0	19.66	19.62	19.76			
10	64QAM	1	25	19.65	19.47	19.68	20.4	0	
10	64QAM	1	49	19.44	19.40	19.59			
10	64QAM	25	0	19.66	19.29	19.59			
10	64QAM	25	12	19.50	19.63	19.46	20.4	0	
10	64QAM	25	25	19.64	19.41	19.60			
10	64QAM	50	0	19.37	19.51	19.32			
10	256QAM	1	0	18.42	18.28	18.30	19	1.4	
10	256QAM	1	25	18.27	18.23	18.16			
10	256QAM	1	49	17.98	18.20	18.11			
10	256QAM	25	0	18.20	17.99	17.86	19	1.4	
10	256QAM	25	12	18.14	18.36	18.07			
10	256QAM	25	25	18.21	18.05	18.23			
10	256QAM	50	0	18.35	18.20	17.94			
Channel				42115	42590	43065			
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	19.82	19.80	19.56	20.4	0	
5	QPSK	1	12	19.71	19.60	19.54			
5	QPSK	1	24	19.48	19.52	19.62			
5	QPSK	12	0	19.73	19.32	19.54	20.4	0	
5	QPSK	12	7	19.64	19.66	19.50			
5	QPSK	12	13	19.55	19.56	19.68			
5	QPSK	25	0	19.61	19.51	19.43	20.4	0	
5	16QAM	1	0	19.65	19.71	19.67			
5	16QAM	1	12	19.66	19.49	19.52			
5	16QAM	1	24	19.40	19.65	19.55	20.4	0	
5	16QAM	12	0	19.70	19.36	19.27			
5	16QAM	12	7	19.55	19.63	19.59			
5	16QAM	12	13	19.56	19.43	19.48	20.4	0	
5	16QAM	25	0	19.60	19.56	19.43			
5	64QAM	1	0	19.57	19.63	19.71			
5	64QAM	1	12	19.74	19.65	19.55	20.4	0	
5	64QAM	1	24	19.34	19.56	19.58			
5	64QAM	12	0	19.65	19.33	19.51			
5	64QAM	12	7	19.41	19.66	19.24	20.4	0	
5	64QAM	12	13	19.53	19.33	19.74			
5	64QAM	25	0	19.32	19.53	19.54			
5	256QAM	1	0	18.41	18.40	18.22	19	1.4	
5	256QAM	1	12	18.27	18.27	18.13			
5	256QAM	1	24	18.12	18.16	18.24			
5	256QAM	12	0	18.11	17.98	17.88	19	1.4	
5	256QAM	12	7	17.97	18.36	18.00			
5	256QAM	12	13	18.26	18.03	18.06			
5	256QAM	25	0	18.24	18.30	18.00			

Reduced Power Mode for WWAN DSI 2-Simultaneous

GSM850 Ant0		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	(dBm)	824.2	836.4	848.8	(dBm)
GSM 1 Tx slot		32.89	32.71	32.85	33.50	23.89	23.71	23.85	24.50
GPRS 1 Tx slot		32.80	32.65	32.88	33.50	23.80	23.65	23.88	24.50
GPRS 2 Tx slots		30.76	30.34	30.42	31.50	24.76	24.34	24.42	25.50
GPRS 3 Tx slots		29.10	28.25	28.16	30.50	24.93	24.99	24.90	26.24
GPRS 4 Tx slots		27.58	27.62	27.56	29.00	24.58	24.62	24.56	28.00
EDGE 1 Tx slot		26.74	26.71	26.78	27.50	17.74	17.71	17.78	18.50
EDGE 2 Tx slots		25.73	25.67	25.68	27.00	19.73	19.67	19.68	21.00
EDGE 3 Tx slots		24.37	24.18	24.23	25.50	20.11	19.92	19.97	21.24
EDGE 4 Tx slots		22.62	22.54	22.39	24.00	19.62	19.54	19.39	21.00

GSM1900 Ant0		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	(dBm)	1850.2	1880	1909.8	(dBm)
GSM 1 Tx slot		30.07	30.04	30.00	30.50	21.07	21.04	21.00	21.50
GPRS 1 Tx slot		30.19	30.32	30.16	30.50	21.19	21.32	21.16	21.50
GPRS 2 Tx slots		27.04	27.29	27.38	28.50	21.04	21.29	21.38	22.50
GPRS 3 Tx slots		26.18	26.37	26.23	27.50	21.92	22.11	21.97	23.24
GPRS 4 Tx slots		24.69	24.78	24.71	26.00	21.69	21.78	21.71	23.00
EDGE 1 Tx slot		25.97	26.17	25.79	27.00	16.97	17.17	16.79	18.00
EDGE 2 Tx slots		24.82	25.17	24.80	26.00	18.82	19.17	18.80	20.00
EDGE 3 Tx slots		23.50	23.70	23.38	24.50	19.24	19.44	19.12	20.24
EDGE 4 Tx slots		21.98	22.14	21.77	23.00	18.98	19.14	18.77	20.00

Band		WCDMA II Ant0			Tune-up Limit (dBm)	WCDMA IV Ant0			Tune-up Limit (dBm)	WCDMA V Ant0			Tune-up Limit (dBm)
TX Channel		9262	9600	9638		1312	1413	1513		4132	4162	4233	
Rx Channel		9662	9600	9938	(dBm)	1537	1638	1738	(dBm)	4367	4407	4468	(dBm)
Frequency (MHz)		1852.4	1880	1907.6	(dBm)	1712.4	1732.6	1752.6	(dBm)	826.4	836.4	846.6	(dBm)
3GPP Rel 99	AMR 12.2Kbps	23.03	23.11	23.07	24.00	23.03	23.07	22.96	24.00	23.16	23.30	23.23	24.00
3GPP Rel 99	RMC 12.2Kbps	23.18	23.22	23.15	24.00	23.11	23.15	23.07	24.00	23.25	23.36	23.31	24.00
3GPP Rel 6	HSDPA Subtest-1	22.25	22.26	21.97	23.00	22.12	22.16	21.89	23.00	22.34	22.29	21.99	23.00
3GPP Rel 6	HSDPA Subtest-2	22.17	22.21	22.03	23.00	22.13	22.09	21.93	23.00	22.22	22.32	22.15	23.00
3GPP Rel 6	HSDPA Subtest-3	21.66	21.66	21.61	22.50	21.59	21.54	21.49	22.50	21.79	21.76	21.64	22.50
3GPP Rel 6	HSDPA Subtest-4	21.64	21.72	21.48	22.50	21.49	21.62	21.44	22.50	21.68	21.78	21.57	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.14	22.14	21.94	23.00	22.09	22.02	21.82	23.00	22.21	22.19	21.94	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.13	22.22	21.85	23.00	22.10	22.09	21.71	23.00	22.20	22.24	21.97	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.62	21.62	21.38	22.50	21.54	21.49	21.30	22.50	21.66	21.71	21.41	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.57	21.68	21.49	22.50	21.42	21.56	21.41	22.50	21.66	21.79	21.58	22.50
3GPP Rel 6	HSUPA Subtest-1	22.18	22.21	22.06	23.00	22.14	22.12	21.93	23.00	22.28	22.32	22.07	23.00
3GPP Rel 6	HSUPA Subtest-2	20.22	20.15	20.10	21.00	20.13	20.08	19.97	21.00	20.25	20.21	20.19	21.00
3GPP Rel 6	HSUPA Subtest-3	21.15	21.19	20.98	22.00	21.05	21.06	20.84	22.00	21.16	21.22	21.07	22.00
3GPP Rel 6	HSUPA Subtest-4	20.16	20.22	20.08	21.00	20.07	20.09	19.99	21.00	20.18	20.32	20.10	21.00
3GPP Rel 6	HSUPA Subtest-5	22.15	22.23	22.04	23.00	22.10	22.11	21.94	23.00	22.21	22.32	22.16	23.00



Band 2 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Mod Ch./F.Freq.	Power Hsp Ch./F.Freq.	Power Hsp Ch./F.Freq.	Turn-up time (sec)	MPR (dB)	
Channel									
1860 1860 1860									
20	QPSK	1	0	22.90	22.90	22.90			
10	QPSK	1	49	22.86	22.86	22.86			
20	QPSK	1	99	22.83	22.88	22.74		24	0
20	QPSK	0	0	21.96	22.08	21.91			
20	QPSK	50	24	21.04	22.08	21.04			
20	QPSK	50	50	21.96	22.07	22.03		23	1
20	QPSK	100	0	21.95	22.09	22.05			
10	QPSK	1	49	21.86	21.89	21.83			
10	16QAM	1	49	21.81	21.91	21.82		23	1
10	16QAM	1	99	21.80	21.89	21.88			
10	16QAM	1	99	20.89	21.94	20.83			
10	16QAM	50	24	20.96	20.99	20.91			
10	16QAM	50	50	20.87	21.03	20.96			
10	16QAM	100	0	20.84	21.03	21.01			
10	64QAM	1	0	20.89	20.91	20.83			
10	64QAM	1	49	20.81	20.92	20.85		22	2
10	64QAM	1	99	20.83	20.90	20.85			
10	64QAM	50	0	19.95	19.98	19.92			
10	64QAM	50	24	20.03	19.98	19.95			
10	64QAM	50	50	20.00	20.00	20.00		21	3
10	64QAM	100	0	19.92	20.01	20.07			
10	256QAM	1	49	17.85	17.94	17.91		19	5
10	256QAM	1	99	17.88	17.83	17.71			
10	256QAM	50	24	17.83	17.82	17.86			
10	256QAM	50	50	18.00	18.08	17.91		19	5
10	256QAM	100	0	17.83	18.06	18.08			
10	256QAM	100	0	17.83	18.06	18.08			
Channel									
1865 1865 1865									
10	QPSK	1	0	22.80	22.89	22.83			
10	QPSK	1	49	22.72	22.81	22.80		24	0
10	QPSK	1	99	22.72	22.76	22.67			
10	QPSK	50	0	21.83	22.01	21.86			
10	QPSK	50	24	21.83	21.84	21.85		23	1
10	QPSK	36	39	21.89	21.98	21.92			
10	QPSK	75	0	21.75	21.92	21.81			
10	16QAM	1	37	21.75	21.72	21.72			
10	16QAM	1	37	21.69	21.84	21.77		23	1
10	16QAM	1	74	21.67	21.87	21.80			
10	16QAM	36	20	20.84	20.89	20.72			
10	16QAM	36	20	20.86	20.84	20.88		22	2
10	16QAM	75	0	20.83	20.90	20.87			
10	64QAM	1	0	20.77	20.81	20.78			
10	64QAM	1	49	20.83	20.90	20.87		22	2
10	64QAM	1	99	20.83	20.90	20.87			
10	64QAM	1	74	20.90	20.75	20.59			
10	64QAM	36	0	19.84	19.92	19.83			
10	64QAM	36	20	19.87	19.88	19.86		21	3
10	64QAM	36	39	19.97	20.01	19.91			
10	64QAM	75	0	19.78	19.85	19.82			
10	256QAM	1	37	17.84	17.89	17.83		19	5
10	256QAM	1	74	17.77	17.87	17.84			
10	256QAM	36	20	17.86	17.86	17.86			
10	256QAM	36	20	17.91	17.97	17.97		19	5
10	256QAM	36	39	17.84	17.87	17.87			
10	256QAM	75	0	17.84	18.04	18.03			
Channel									
1865 1865 1865									
10	QPSK	1	0	22.78	22.87	22.76		24	0
10	QPSK	1	25	22.80	22.81	22.78			
10	QPSK	1	49	22.69	22.81	22.84			
10	QPSK	50	0	21.86	22.02	21.87			
10	QPSK	25	13	22.01	21.98	21.82		23	1
10	QPSK	25	25	21.84	21.87	21.96			
10	QPSK	1	0	21.73	21.82	21.72			
10	16QAM	1	25	21.72	21.84	21.69		23	1
10	16QAM	1	25	21.78	21.86	21.86			
10	16QAM	25	0	20.76	20.90	20.74			
10	16QAM	25	12	20.81	20.90	20.83		22	2
10	16QAM	50	0	20.81	20.88	20.84			
10	16QAM	50	0	20.88	20.90	20.92			
10	64QAM	1	0	20.77	20.83	20.74			
10	64QAM	1	49	20.87	20.93	20.87		22	2
10	64QAM	1	49	20.75	20.80	20.58			
10	64QAM	25	0	19.82	19.84	19.88		21	3
10	64QAM	25	12	19.83	19.85	19.84			
10	64QAM	25	25	19.76	19.80	19.86			
10	64QAM	50	0	19.78	19.91	20.00			
10	64QAM	50	12	17.85	17.87	17.87		19	5
10	256QAM	1	25	17.79	17.88	17.76			
10	256QAM	1	49	17.80	17.85	17.83			
10	256QAM	25	12	17.83	17.86	17.84			
10	256QAM	25	25	17.82	17.86	17.86		19	5
10	256QAM	25	25	17.86	17.82	17.76			
10	256QAM	50	0	17.86	18.05	18.06			
Channel									
1865 1865 1865									
10	QPSK	1	0	22.75	22.87	22.93			
3	QPSK	1	8	22.78	22.92	22.75		24	0
3	QPSK	1	14	22.73	22.74	22.64			
3	QPSK	1	24	22.70	22.73	22.61			
3	QPSK	8	4	21.90	21.91	21.80		23	1
3	QPSK	8	7	21.82	21.84	21.86			
3	QPSK	15	21	21.69	21.87	21.58			
3	16QAM	1	0	21.74	21.79	21.72		23	1
3	16QAM	1	8	21.73	21.75	21.78			
3	16QAM	1	14	21.66	21.71	21.64			
3	16QAM	8	0	20.79	20.87	20.75			
3	16QAM	8	4	20.81	20.85	20.84		22	2
3	16QAM	15	0	20.75	20.86	20.89			
3	16QAM	15	0	20.90	20.92	20.90			
3	16QAM	1	0	20.78	20.83	20.78		22	2
3	16QAM	1	20	20.76	20.80	20.76			
3	64QAM	1	14	20.78	20.77	20.54			
3	64QAM	8	0	19.88	19.91	19.88			
3	64QAM	8	4	19.88	19.85	19.83		21	3
3	64QAM	8	7	19.87	19.87	19.81			
3	64QAM	1	0	17.78	17.84	17.88			
3	256QAM	1	8	17.84	17.88	17.80		19	5
3	256QAM	1	14	17.79	17.82	17.84			
3	256QAM	8	0	17.97	18.00	17.85			
3	256QAM	8	4	17.81	17.87	17.83		19	5
3	256QAM	15	0	17.81	18.07	18.07			
3	256QAM	15	0	17.94	18.01	18.01			
Channel									
1867 1867 1867									
1.4	QPSK	1	0	22.84	22.84	22.75		24	0
1.4	QPSK	1	3	22.79	22.83	22.78			
1.4	QPSK	1	5	22.79	22.74	22.67			
1.4	QPSK	3	22	22.74	22.80	22.69			
1.4	QPSK	3	1	22.88	22.80	22.80			
1.4	QPSK	0	0	22.80	22.80	22.80		23	1
1.4	QPSK	50	24	21.88	22.00	21.96			
1.4	16QAM	1	0	21.78	21.80	21.69			
1.4	16QAM	1	3	21.85	21.88	21.82		23	1
1.4	16QAM	1	5	21.74	21.75	21.59			
1.4	16QAM	3	0	21.69	21.81	21.81			
1.4	16QAM	3	2	21.70	21.70	21.60			
1.4	16QAM	3	21	21.73	21.69	21.75			
1.4	16QAM	5	0	20.87	20.92	20.94		22	2
1.4	16QAM	5	2	20.76	20.80	20.80			
1.4	16QAM	5	20	20.72	20.79	20.79			
1.4	64QAM	1	5	20.70	20.85	20.54		22	2
1.4	64QAM	1	20	20.75	20.79	20.76			
1.4	64QAM	3	0	20.80	20.81	20.81			
1.4	64QAM	3	3	20.73	20.92	20.72		21	3
1.4	64QAM	5	0	19.85	19.85	19.85			
1.4	256QAM	1	0	17.85	17.89	17.88			
1.4	256QAM	1	3	17.86	17.82	17.77		19	5
1.4	256QAM	1	7	17.71	17.73	17.83			
1.4	256QAM	3	0	17.88	17.88	17.84			
1.4	256QAM	3	1	17.84	17.88	17.84		19	5
1.4	256QAM	5	0	17.79	17.85	17.86			
1.4	256QAM	5	0	17.90	18.00	17.96		19	5

Band 4 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Mod Ch./F.Freq.	Power Hsp Ch./F.Freq.	Power Hsp Ch./F.Freq.	Turn-up time (sec)	MPR (dB)	
Channel									
1720 1720 1740									
20	QPSK	1	0	23.02	23.07	23.05			
10	QPSK	1	49	22.98	22.99	22.92		24	0
20	QPSK	1	99	22.96	22.97	22.81			
20	QPSK	50	0	22.02	22.23	21.98			



Band 12 Ant0												
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch./Fires	Power Mid Ch./Fires	Power High Ch./Fires	Turn-up Init. (sec)	MFR (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0	23.18	23.27	23.21	24	0				
10	QPSK	1	25	23.03	23.13	23.08						
10	QPSK	1	49	22.90	23.08	22.99						
10	QPSK	25	0	22.90	22.15	22.00	23	1				
10	QPSK	25	12	22.02	22.11	22.04						
10	QPSK	25	25	22.01	22.08	21.94						
10	QPSK	50	0	22.08	22.14	22.09	23	1				
10	QPSK	50	5	22.13	22.21	22.12						
10	16QAM	1	25	22.08	22.17	22.05						
10	16QAM	1	49	22.03	22.07	21.94	22	2				
10	16QAM	1	25	20.99	21.06	21.02						
10	16QAM	25	12	21.07	21.13	21.05						
10	16QAM	25	25	21.04	21.04	20.95	22	2				
10	16QAM	50	0	21.02	21.11	21.10						
10	64QAM	1	26	21.04	21.11	20.95						
10	64QAM	1	49	20.99	21.02	20.99	21	3				
10	64QAM	25	0	20.90	20.91	20.91						
10	64QAM	25	12	19.97	20.12	20.05						
10	64QAM	25	25	20.00	20.05	19.92	19	5				
10	64QAM	50	0	19.99	20.14	20.02						
10	256QAM	1	25	17.95	18.05	18.04						
10	256QAM	1	49	18.00	18.08	17.94	19	5				
10	256QAM	25	12	17.92	18.10	17.98						
10	256QAM	25	25	17.99	18.16	18.02						
10	256QAM	50	0	18.00	18.03	18.00	19	5				
10	256QAM	50	0	18.00	18.03	18.00						
10	256QAM	50	0	18.11	18.12	18.12						
Channel												
Frequency (MHz)												
5	QPSK	1	0	23.08	23.10	23.11	24	0				
5	QPSK	1	12	22.82	22.91	22.99						
5	QPSK	1	24	22.86	22.89	22.86						
5	QPSK	12	0	21.93	22.10	21.94	23	1				
5	QPSK	12	7	21.93	21.98	21.92						
5	QPSK	12	13	21.93	21.98	21.82						
5	QPSK	25	0	22.00	22.03	21.90	23	1				
5	16QAM	1	0	22.00	22.16	21.98						
5	16QAM	1	12	22.00	22.13	22.01						
5	16QAM	1	24	21.96	21.94	21.85	22	2				
5	16QAM	12	0	20.85	21.01	21.00						
5	16QAM	12	7	21.01	21.08	20.95						
5	16QAM	25	0	20.93	21.06	21.00	22	2				
5	64QAM	1	0	21.04	21.04	21.03						
5	64QAM	1	24	20.97	20.94	20.96						
5	64QAM	12	7	19.88	20.02	19.95	21	3				
5	64QAM	12	13	19.92	19.94	19.81						
5	64QAM	25	0	19.85	20.07	19.96						
5	256QAM	1	12	17.80	18.04	17.96	19	5				
5	256QAM	1	24	17.86	17.87	17.89						
5	256QAM	12	0	17.86	18.02	17.83						
5	256QAM	12	7	17.85	17.83	17.83	19	5				
5	256QAM	12	13	17.82	17.85	17.86						
5	256QAM	25	0	17.82	17.85	17.86						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	23.12	23.09	23.10	24	0				
1.4	QPSK	1	5	22.94	22.10	22.06						
1.4	QPSK	1	5	22.94	22.04	22.02						
1.4	QPSK	3	1	22.91	23.01	22.91	23	1				
1.4	QPSK	3	1	22.90	23.00	22.94						
1.4	16QAM	1	0	22.00	22.10	22.08						
1.4	16QAM	1	5	21.93	22.05	22.02	23	1				
1.4	16QAM	1	5	21.91	22.02	21.88						
1.4	16QAM	3	1	21.96	22.04	21.95						
1.4	16QAM	6	0	20.95	21.06	20.95	22	2				
1.4	64QAM	1	0	21.00	21.08	21.05						
1.4	64QAM	1	5	20.99	21.09	20.81						
1.4	64QAM	3	0	20.90	20.95	20.95	22	2				
1.4	64QAM	3	0	20.89	21.01	20.79						
1.4	64QAM	3	0	20.85	21.04	21.01						
1.4	64QAM	3	3	20.89	20.97	20.89	21	3				
1.4	64QAM	6	0	19.96	20.01	19.93						
1.4	256QAM	1	0	18.00	18.07	18.11						
1.4	256QAM	1	3	17.85	17.89	17.82	19	5				
1.4	256QAM	3	0	17.87	17.86	17.90						
1.4	256QAM	3	0	17.86	18.10	17.88						
1.4	256QAM	3	1	17.84	18.11	17.90	19	5				
1.4	256QAM	3	0	17.93	17.86	17.94						
1.4	256QAM	6	0	18.03	18.00	17.90						

Band 13 Ant0									
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch./Fires	Power Mid Ch./Fires	Power High Ch./Fires	Turn-up Init. (sec)	MFR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	23.09	23.09	23.09	24	0	
10	QPSK	1	25	23.07	23.12	23.07			
10	QPSK	1	49	23.01	23.12	23.05			
10	QPSK	25	0	22.13	22.13	22.13	23	1	
10	QPSK	25	12	22.08	22.11	22.08			
10	QPSK	25	25	22.03	22.13	22.03			
10	QPSK	50	0	22.17	22.17	22.17	23	1	
10	16QAM	1	0	21.99	22.10	21.99			
10	16QAM	1	25	21.99	22.10	21.99			
10	16QAM	1	49	22.02	22.02	21.99	22	2	
10	16QAM	25	0	21.99	22.05	21.99			
10	16QAM	25	12	20.99	20.97	20.97			
10	16QAM	25	25	21.03	21.03	21.03	22	2	
10	16QAM	50	0	21.03	21.03	21.03			
10	64QAM	1	26	20.98	21.09	20.98	22	2	
10	64QAM	1	49	21.01	21.09	21.01			
10	64QAM	25	0	20.95	20.95	20.95			
10	64QAM	25	12	19.95	20.00	19.95	21	3	
10	64QAM	25	25	20.00	20.00	20.00			
10	64QAM	50	0	20.00	20.00	20.00			
10	256QAM	1	0	18.04	18.21	18.07	19	5	
10	256QAM	1	25	18.11	18.20	18.03			
10	256QAM	25	12	18.00	18.20	18.17			
10	256QAM	25	25	18.12	18.31	18.25	19	5	
10	256QAM	50	0	18.12	18.31	18.25			
10	256QAM	50	0	18.12	18.31	18.25			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.92	22.95	22.91	24	0	
5	QPSK	1	12	22.84	22.86	22.82			
5	QPSK	1	24	22.83	22.89	22.86			
5	QPSK	12	0	21.99	22.06	21.92	23	1	
5	QPSK	12	7	21.94	22.02	22.01			
5	QPSK	12	13	21.93	22.02	21.86			
5	QPSK	25	0	21.94	22.00	21.89	23	1	
5	16QAM	1	0	21.87	22.01	21.91			
5	16QAM	1	12	21.83	21.88	21.75			
5	16QAM	1	24	21.85	21.89	21.81	22	2	
5	16QAM	12	0	20.97	20.99	20.96			
5	16QAM	12	7	20.80	20.85	20.75			
5	16QAM	12	13	20.72	20.82	20.62	22	2	
5	16QAM	25	0	20.96	21.03	20.87			
5	16QAM	25	12	20.96	21.03	20.87			
5	16QAM	1	12	20.78	20.91	20.63	22	2	
5	16QAM	1	24	20.93	20.97	20.91			
5	16QAM	1	49	20.93	21.02	20.89			
5	16QAM	12	0	19.93	19.91	19.91	21	3	
5	16QAM	12	13	19.75	19.91	19.76			
5	16QAM	25	0	19.88	19.90	19.88			
5	256QAM	1	12	18.01	18.04	17.88	19	5	
5	256QAM	1	24	17.77	17.92	17.86			
5	256QAM	12	0	17.90	17.94	17.86			
5	256QAM	12	7	17.92	18.06	17.90	19	5	
5	256QAM	12	13	17.90	17.89	17.90			
5	256QAM	25	0	18.04	18.04	18.04			

Band 26 Ant0														
BM [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Turn-up time (sec)	APRS (dB)						
Channel														
Frequency (MHz)														
15	QPSK	1	0	22.91	23.11	22.87	24	0						
15	QPSK	1	37	22.73	22.82	22.79								
15	QPSK	1	74	22.88	22.93	22.87								
15	QPSK	36	0	21.86	21.95	21.81								
15	QPSK	36	20	21.82	21.93	21.73	23	1						
15	QPSK	36	36	21.79	21.91	21.82								
15	QPSK	75	0	21.95	22.03	21.88								
15	16QAM	1	0	21.90	22.01	21.96								
15	16QAM	1	37	21.85	21.92	21.74	23	1						
15	16QAM	1	74	21.89	21.93	21.85								
15	16QAM	36	0	20.84	20.94	20.83								
15	16QAM	36	20	20.82	20.94	20.83								
15	16QAM	36	36	20.77	20.90	20.82	22	2						
15	16QAM	75	0	21.02	21.00	20.98								
15	16QAM	1	0	20.91	21.03	20.93								
15	16QAM	1	37	20.88	20.92	20.75								
15	16QAM	1	74	20.85	20.88	20.85	22	2						
15	16QAM	36	0	19.87	20.01	19.89								
15	16QAM	36	20	19.92	19.93	19.81								
15	16QAM	36	36	19.78	19.95	19.81								
15	16QAM	75	0	19.99	19.98	19.85	19	5						
15	16QAM	1	0	17.86	17.94	17.88								
15	16QAM	1	37	17.74	17.79	17.78								
15	16QAM	1	74	17.89	17.85	17.82								
15	16QAM	36	0	17.87	17.86	17.84	19	5						
15	16QAM	36	20	17.79	17.87	17.85								
15	16QAM	36	36	17.83	17.89	17.83								
15	16QAM	75	0	17.91	17.88	17.87								
Channel														
Frequency (MHz)														
10	QPSK	1	0	22.79	22.93	22.81	24	0						
10	QPSK	1	25	22.83	22.70	22.87								
10	QPSK	1	49	22.76	22.78	22.76								
10	QPSK	25	0	21.71	21.83	21.75								
10	QPSK	25	12	21.74	21.86	21.71	23	1						
10	QPSK	25	25	21.66	21.78	21.77								
10	QPSK	50	0	21.69	21.99	21.81								
10	16QAM	1	0	21.81	21.97	21.81								
10	16QAM	1	25	21.74	21.86	21.61	23	1						
10	16QAM	1	49	21.76	21.78	21.76								
10	16QAM	25	0	20.76	20.85	20.70								
10	16QAM	25	12	20.68	20.84	20.79								
10	16QAM	25	25	20.69	20.87	20.74	22	2						
10	16QAM	50	0	20.96	20.95	20.77								
10	16QAM	1	0	20.77	20.93	20.85								
10	16QAM	1	25	20.75	20.75	20.68								
10	16QAM	1	49	20.79	20.75	20.51	21	3						
10	16QAM	25	0	19.95	19.95	19.84								
10	16QAM	25	12	19.85	19.81	19.77								
10	16QAM	25	25	19.57	19.91	19.70								
10	16QAM	50	0	17.75	17.80	17.75	19	5						
10	16QAM	1	25	17.64	17.66	17.67								
10	16QAM	1	49	17.74	17.83	17.83								
10	16QAM	25	0	17.84	17.84	17.73								
10	16QAM	25	12	17.75	17.89	17.74	19	5						
10	16QAM	25	25	17.78	17.77	17.79								
10	16QAM	50	0	17.81	18.01	17.78								
Channel														
Frequency (MHz)														
5	QPSK	1	0	22.84	22.95	22.87	24	0						
5	QPSK	1	12	22.68	22.73	22.72								
5	QPSK	1	24	22.80	22.89	22.81								
5	QPSK	12	0	21.82	21.96	21.87								
5	QPSK	12	7	21.68	21.87	21.70	23	1						
5	QPSK	12	13	21.69	21.84	21.70								
5	QPSK	36	0	21.82	21.96	21.86								
5	16QAM	1	0	21.83	21.87	21.89								
5	16QAM	1	12	21.75	21.69	21.66	23	1						
5	16QAM	1	24	21.84	21.96	21.76								
5	16QAM	12	0	20.70	20.82	20.79								
5	16QAM	12	7	20.69	20.85	20.74								
5	16QAM	12	13	20.70	20.87	20.77	22	2						
5	16QAM	25	0	20.87	20.85	20.77								
5	16QAM	1	0	20.77	20.91	20.86								
5	16QAM	1	12	20.84	20.87	20.72								
5	16QAM	1	24	20.71	20.74	20.61	22	2						
5	16QAM	12	0	19.83	19.89	19.79								
5	16QAM	12	7	19.77	19.88	19.80								
5	16QAM	12	13	19.71	19.82	19.68								
5	16QAM	25	0	19.94	19.89	19.71	19	5						
5	16QAM	1	0	17.78	17.80	17.81								
5	16QAM	1	12	17.71	17.75	17.72								
5	16QAM	1	24	17.77	17.82	17.83								
5	16QAM	12	0	17.75	17.80	17.83	19	5						
5	16QAM	12	7	17.87	17.82	17.74								
5	16QAM	12	13	17.80	17.83	17.76								
5	16QAM	25	0	17.85	17.85	17.81								
Channel														
Frequency (MHz)														
3	QPSK	1	0	22.87	22.95	22.85	24	0						
3	QPSK	1	8	22.59	22.72	22.69								
3	QPSK	1	14	22.83	22.84	22.77								
3	QPSK	8	0	21.80	21.98	21.78								
3	QPSK	8	4	21.70	21.90	21.69	23	1						
3	QPSK	8	7	21.68	21.84	21.77								
3	QPSK	16	0	21.85	21.95	21.73								
3	16QAM	1	0	21.80	21.92	21.81								
3	16QAM	1	8	21.76	21.65	21.68	23	1						
3	16QAM	1	14	21.78	21.79	21.72								
3	16QAM	8	0	20.72	20.80	20.70								
3	16QAM	8	4	20.76	20.82	20.69								
3	16QAM	8	7	20.62	20.88	20.75	22	2						
3	16QAM	16	0	20.88	20.89	20.76								
3	16QAM	1	0	20.80	20.96	20.81								
3	16QAM	1	8	20.81	20.77	20.69								
3	16QAM	1	14	20.82	20.85	20.78	22	2						
3	16QAM	8	0	19.76	19.86	19.75								
3	16QAM	8	4	19.77	19.84	19.72								
3	16QAM	8	7	19.75	19.82	19.74								
3	16QAM	16	0	19.92	19.88	19.80	19	5						
3	16QAM	1	0	17.76	17.88	17.86								
3	16QAM	1	8	17.65	17.65	17.69								
3	16QAM	1	14	17.79	17.89	17.80								
3	16QAM	8	0	17.81	17.80	17.81	19	5						
3	16QAM	8	4	17.71	17.74	17.78								
3	16QAM	8	7	17.77	17.77	17.76								
3	16QAM	16	0	17.88	17.88	17.78								
Channel														
Frequency (MHz)														
14	QPSK	1	0	22.69	22.85	22.83	24	0						
14	QPSK	1	8	22.59	22.72	22.68								
14	QPSK	1	16	22.76	22.85	22.82								
14	QPSK	8	0	21.68	21.88	21.73								
14	QPSK	8	8	22.65	22.88	22.75	23	1						
14	QPSK	3	0	22.73	22.81	22.72								
14	QPSK	3	8	22.73	22.78	22.73								
14	16QAM	1	0	21.79	21.90	21.82								
14	16QAM	1	8	21.72	21.73	21.68	23	1						
14	16QAM	1	16	21.65	21.88	21.68								
14	16QAM	3	0	21.77	21.83	21.73								
14	16QAM	3	8	21.68	21.79	21.74								
14	16QAM	3	16	21.65	21.85	21.73	22	2						
14	16QAM	6	0	20.88	20.92	20.75								
14	16QAM	1	0	20.76	20.92	20.82								
14	16QAM	1	8	20.76	20.92	20.82								
14	16QAM	1	16	20.72	20.85	20.74	21	3						
14	16QAM	3	0	20.73	20.95	20.79								
14	16QAM	3	8	20.73	20.79	20.81								
14	16QAM	3	16	20.71	20.89	20.70								
14	16QAM	6	0	19.90	19.98	19.79	21	3						
14	16QAM	1	0	19.80	20.00	19.80								
14	16QAM	1	8	17.81	17.83	17.72								
14	16QAM	1	16	17.81	17.83	17.79								
14	16QAM	3	0	17.84	17.84	17.80	19	5						
14	16QAM	3	8	17.74	17.80	17.80								
14	16QAM	3	16	17.70	17.77	17.68								
14	16QAM	6	0	17.80	17.82	17.78								

Band 38 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	22.98	23.19	23.06	24	0	
20	QPSK	1	49	22.97	23.11	23.02			
20	QPSK	1	99	22.93	23.07	23.02			
20	QPSK	50	0	22.14	22.20	22.09			
20	QPSK	50	24	22.05	22.12	22.05	23	1	
20	QPSK	50	50	22.00	22.06	21.96			
20	QPSK	100	0	22.11	22.16	22.07			
20	16QAM	1	0	21.90	22.04	22.03			
20	16QAM	1	49	21.90	22.01	21.89	23	1	
20	16QAM	1	99	21.87	21.92	21.99			
20	16QAM	50	0	21.06	21.17	21.04			
20	16QAM	50	24	21.02	21.02	20.94			
20	16QAM	50	50	20.90	20.97	20.91	22	2	
20	16QAM	100	0	21.03	21.10	20.94			
20	64QAM	1	0	20.98	21.14	21.07			
20	64QAM	1	49	20.98	21.04	20.95			
20	64QAM	1	99	20.85	21.07	21.00	22	2	
20	64QAM	50	0	20.13	20.19	20.06			
20	64QAM	50	24	20.05	20.03	20.07			
20	64QAM	50	50	19.98	19.99	19.97			
20	64QAM	100	0	20.01	20.13	20.02	21	3	
20	256QAM	1	0	17.95	18.21	18.07			
20	256QAM	1	49	17.94	18.07	18.06			
20	256QAM	1	99	17.91	18.12	18.06			
20	256QAM	50	0	18.12	18.22	18.07	19	5	
20	256QAM	50	24	18.03	18.15	18.03			
20	256QAM	50	50	18.01	18.12	18.00			
20	256QAM	100	0	18.10	18.21	18.03			
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	22.84	23.16	23.00	24	0	
15	QPSK	1	37	22.89	23.06	22.99			
15	QPSK	1	74	22.81	22.93	22.91			
15	QPSK	36	0	22.01	22.07	22.01			
15	QPSK	36	20	21.97	21.98	21.96	23	1	
15	QPSK	36	39	21.95	22.03	21.91			
15	QPSK	75	0	21.99	22.13	21.92			
15	16QAM	1	0	21.79	21.90	21.90			
15	16QAM	1	37	21.83	21.96	21.83	23	1	
15	16QAM	1	74	21.74	21.88	21.88			
15	16QAM	36	0	21.01	21.11	20.90			
15	16QAM	36	20	20.96	20.87	20.87			
15	16QAM	36	39	20.78	20.87	20.83	22	2	
15	16QAM	75	0	20.92	21.01	20.82			
15	64QAM	1	0	20.86	21.00	20.97			
15	64QAM	1	37	20.86	20.94	20.83			
15	64QAM	1	74	20.77	21.02	20.86	22	2	
15	64QAM	36	0	20.05	20.05	19.95			
15	64QAM	36	20	19.94	19.90	20.00			
15	64QAM	36	39	19.87	19.85	19.90			
15	64QAM	75	0	19.93	20.09	19.93	21	3	
15	256QAM	1	0	17.84	18.18	17.98			
15	256QAM	1	37	17.87	17.98	17.98			
15	256QAM	1	74	17.80	18.00	17.93			
15	256QAM	36	0	18.03	18.07	17.98	19	5	
15	256QAM	36	20	17.91	18.01	17.94			
15	256QAM	36	39	17.97	18.04	17.95			
15	256QAM	75	0	17.98	18.07	17.93			
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	22.88	23.08	22.97	24	0	
10	QPSK	1	25	22.94	23.06	22.88			
10	QPSK	1	49	22.80	22.94	22.90			
10	QPSK	25	0	22.02	22.08	21.95			
10	QPSK	25	12	21.94	22.06	21.91	23	1	
10	QPSK	25	25	21.90	21.93	21.82			
10	QPSK	50	0	22.04	22.11	21.98			
10	16QAM	1	0	21.76	21.89	21.96			
10	16QAM	1	25	21.77	21.96	21.85	23	1	
10	16QAM	1	49	21.80	21.78	21.89			
10	16QAM	25	0	20.98	21.04	20.91			
10	16QAM	25	12	20.92	20.97	20.81			
10	16QAM	25	25	20.84	20.84	20.79	22	2	
10	16QAM	50	0	20.88	20.99	20.89			
10	64QAM	1	0	20.85	21.05	21.01			
10	64QAM	1	25	20.83	20.91	20.83			
10	64QAM	1	49	20.81	21.03	20.91	21	3	
10	64QAM	25	0	20.02	20.11	19.95			
10	64QAM	25	12	20.00	19.95	19.96			
10	64QAM	25	25	19.89	19.88	19.84			
10	64QAM	50	0	19.97	20.03	19.91	19	5	
10	256QAM	1	0	17.92	18.10	17.92			
10	256QAM	1	25	17.86	18.00	17.97			
10	256QAM	1	49	17.83	18.02	17.91			
10	256QAM	25	0	18.05	18.12	17.94	19	5	
10	256QAM	25	12	17.95	18.11	17.90			
10	256QAM	25	25	17.88	17.97	17.95			
10	256QAM	50	0	18.04	18.09	17.94			
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	22.94	23.10	22.94	24	0	
5	QPSK	1	12	22.87	23.04	22.97			
5	QPSK	1	24	22.85	23.02	22.91			
5	QPSK	12	0	22.07	22.09	21.98			
5	QPSK	12	7	22.01	21.98	21.94	23	1	
5	QPSK	12	13	21.95	22.01	21.91			
5	QPSK	25	0	22.04	22.07	22.03			
5	16QAM	1	0	21.83	21.94	21.99			
5	16QAM	1	12	21.82	21.87	21.85	23	1	
5	16QAM	1	24	21.76	21.84	21.92			
5	16QAM	12	0	20.96	21.10	20.92			
5	16QAM	12	7	20.98	20.89	20.83			
5	16QAM	12	13	20.86	20.84	20.77	22	2	
5	16QAM	25	0	20.99	21.04	20.81			
5	64QAM	1	0	20.90	21.00	21.01			
5	64QAM	1	12	20.95	20.91	20.84			
5	64QAM	1	24	20.70	20.97	20.92	22	2	
5	64QAM	12	0	20.03	20.09	19.97			
5	64QAM	12	7	20.01	19.96	20.01			
5	64QAM	12	13	19.85	19.92	19.91			
5	64QAM	25	0	19.91	20.07	19.89	21	3	
5	256QAM	1	0	17.89	18.11	18.03			
5	256QAM	1	12	17.83	17.95	17.96			
5	256QAM	1	24	17.86	18.02	17.98			
5	256QAM	12	0	18.05	18.10	17.99	19	5	
5	256QAM	12	7	17.94	18.06	17.95			
5	256QAM	12	13	17.96	18.08	17.94			
5	256QAM	25	0	17.98	18.12	17.98			

Band 38 HPUE Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	25.38	25.54	25.46	27	0	
20	QPSK	1	49	25.32	25.40	25.31			
20	QPSK	1	99	25.40	25.48	25.42			
20	QPSK	50	0	24.49	24.62	24.58	26	1	
20	QPSK	50	24	24.42	24.55	24.51			
20	QPSK	50	50	24.35	24.49	24.39			
20	QPSK	100	0	24.45	24.57	24.52	26	1	
20	16QAM	1	0	24.74	24.84	24.69			
20	16QAM	1	49	24.65	24.80	24.76			
20	16QAM	1	99	24.68	24.72	24.62	25	2	
20	16QAM	50	0	23.54	23.62	23.58			
20	16QAM	50	24	23.36	23.46	23.35			
20	16QAM	50	50	23.46	23.51	23.42	24	3	
20	16QAM	100	0	23.54	23.63	23.60			
20	16QAM	1	0	23.51	23.61	23.47			
20	64QAM	1	49	23.34	23.45	23.33	25	2	
20	64QAM	1	99	23.45	23.54	23.41			
20	64QAM	50	0	22.63	22.67	22.58			
20	64QAM	50	24	22.48	22.53	22.39	24	3	
20	64QAM	50	50	22.54	22.62	22.55			
20	64QAM	100	0	22.47	22.61	22.54			
20	256QAM	1	0	20.57	20.70	20.59	22	5	
20	256QAM	1	49	20.52	20.61	20.58			
20	256QAM	1	99	20.51	20.54	20.43			
20	256QAM	50	0	20.64	20.73	20.69	22	5	
20	256QAM	50	24	20.72	20.82	20.78			
20	256QAM	50	50	20.62	20.69	20.59			
20	256QAM	100	0	20.55	20.64	20.55			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	25.51	25.53	25.33	27	0	
15	QPSK	1	37	25.21	25.34	25.22			
15	QPSK	1	74	25.27	25.36	25.34			
15	QPSK	36	0	24.35	24.53	24.40	26	1	
15	QPSK	36	20	24.36	24.49	24.37			
15	QPSK	36	39	24.28	24.36	24.32			
15	QPSK	75	0	24.30	24.44	24.43	26	1	
15	16QAM	1	0	24.63	24.80	24.58			
15	16QAM	1	37	24.55	24.71	24.70			
15	16QAM	1	74	24.60	24.65	24.52	25	2	
15	16QAM	36	0	23.50	23.56	23.48			
15	16QAM	36	20	23.31	23.41	23.25			
15	16QAM	36	39	23.34	23.41	23.35	25	2	
15	16QAM	75	0	23.47	23.55	23.46			
15	64QAM	1	0	23.43	23.55	23.38			
15	64QAM	1	37	23.19	23.37	23.24	24	3	
15	64QAM	1	74	23.36	23.41	23.38			
15	64QAM	36	0	22.54	22.60	22.50			
15	64QAM	36	20	22.39	22.41	22.27	22	5	
15	64QAM	36	39	22.44	22.52	22.21			
15	64QAM	75	0	22.37	22.49	22.42			
15	256QAM	1	0	20.50	20.56	20.46	22	5	
15	256QAM	1	37	20.41	20.57	20.48			
15	256QAM	1	74	20.41	20.50	20.36			
15	256QAM	36	0	20.59	20.62	20.57	22	5	
15	256QAM	36	20	20.59	20.78	20.72			
15	256QAM	36	39	20.59	20.59	20.47			
15	256QAM	75	0	20.42	20.51	20.46			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	25.50	25.49	25.37	27	0	
10	QPSK	1	25	25.26	25.34	25.19			
10	QPSK	1	49	25.31	25.34	25.29			
10	QPSK	25	0	24.39	24.57	24.51	26	1	
10	QPSK	25	12	24.36	24.42	24.47			
10	QPSK	25	25	24.30	24.38	24.34			
10	QPSK	50	0	24.33	24.43	24.41	26	1	
10	16QAM	1	0	24.68	24.81	24.65			
10	16QAM	1	25	24.55	24.75	24.66			
10	16QAM	1	49	24.64	24.62	24.55	25	2	
10	16QAM	25	0	23.42	23.55	23.30			
10	16QAM	25	12	23.26	23.42	23.30			
10	16QAM	25	25	23.35	23.36	23.30	25	2	
10	16QAM	50	0	23.48	23.56	23.45			
10	64QAM	1	0	23.40	23.47	23.34			
10	64QAM	1	25	23.28	23.38	23.25	24	3	
10	64QAM	1	49	23.41	23.45	23.32			
10	64QAM	25	0	22.48	22.60	22.53			
10	64QAM	25	12	22.35	22.48	22.36	22	5	
10	64QAM	25	25	22.39	22.58	22.51			
10	256QAM	1	0	20.39	20.56	20.45			
10	256QAM	1	25	20.48	20.57	20.48	22	5	
10	256QAM	1	49	20.41	20.41	20.33			
10	256QAM	25	0	20.50	20.65	20.58			
10	256QAM	25	12	20.69	20.75	20.67	22	5	
10	256QAM	25	25	20.54	20.62	20.51			
10	256QAM	50	0	20.52	20.54	20.50			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	25.52	25.49	25.42	27	0	
5	QPSK	1	12	25.22	25.26	25.27			
5	QPSK	1	24	25.27	25.39	25.28			
5	QPSK	12	0	24.44	24.50	24.44	26	1	
5	QPSK	12	7	24.33	24.46	24.42			
5	QPSK	12	13	24.24	24.35	24.28			
5	QPSK	25	0	24.31	24.54	24.44	26	1	
5	16QAM	1	0	24.68	24.73	24.61			
5	16QAM	1	12	24.53	24.75	24.66			
5	16QAM	1	24	24.64	24.59	24.51	25	2	
5	16QAM	12	0	23.48	23.52	23.50			
5	16QAM	12	7	23.32	23.41	23.21			
5	16QAM	12	13	23.35	23.48	23.36	24	3	
5	16QAM	25	0	23.44	23.51	23.45			
5	64QAM	1	0	23.45	23.49	23.34			
5	64QAM	1	12	23.20	23.36	23.19	25	2	
5	64QAM	1	24	23.32	23.42	23.36			
5	64QAM	12	0	22.59	22.59	22.47			
5	64QAM	12	7	22.44	22.43	22.27	24	3	
5	64QAM	12	13	22.46	22.53	22.47			
5	64QAM	25	0	22.42	22.56	22.42			
5	256QAM	1	0	20.50	20.60	20.49	22	5	
5	256QAM	1	12	20.44	20.56	20.53			
5	256QAM	1	24	20.44	20.40	20.38			
5	256QAM	12	0	20.56	20.67	20.61	22	5	
5	256QAM	12	7	20.65	20.75	20.69			
5	256QAM	12	13	20.57	20.60	20.49			
5	256QAM	25	0	20.47	20.52	20.46			

Band 41 Ant0												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	22.98	23.14	23.27	23.23	23.25	24	0		
20	QPSK	1	49	22.93	22.88	23.02	22.93	22.95				
20	QPSK	1	99	22.98	23.00	23.10	23.03	23.01				
20	QPSK	50	0	22.04	22.05	22.15	22.07	22.11				
20	QPSK	50	24	22.00	22.05	22.12	22.03	22.04	23	1		
20	QPSK	50	50	21.94	21.97	22.07	22.03	21.93				
20	QPSK	100	0	22.03	22.05	22.16	22.07	22.09				
20	16QAM	1	0	21.99	22.10	22.27	22.19	22.26				
20	16QAM	1	49	21.92	21.88	22.01	21.96	21.99	23	1		
20	16QAM	1	99	22.04	21.99	22.07	22.01	22.07				
20	16QAM	50	0	21.05	21.12	21.15	21.04	21.17				
20	16QAM	50	24	20.98	21.02	21.09	21.09	21.06				
20	16QAM	50	50	20.96	20.93	21.08	21.05	20.97	22	2		
20	16QAM	100	0	21.02	21.00	21.13	21.07	21.11				
20	64QAM	1	0	20.94	21.21	21.23	21.26	21.13				
20	64QAM	1	49	20.96	20.91	21.07	20.92	20.90				
20	64QAM	1	99	20.95	21.00	21.17	21.00	21.08	22	2		
20	64QAM	50	0	20.06	20.08	20.21	20.14	20.17				
20	64QAM	50	24	19.98	20.11	20.17	20.00	20.00				
20	64QAM	50	50	19.98	19.97	20.08	20.02	19.93				
20	64QAM	100	0	20.08	20.11	20.22	20.14	20.10	21	3		
20	256QAM	1	0	17.96	18.05	18.19	18.15	18.14				
20	256QAM	1	49	17.94	17.88	18.01	17.94	17.94				
20	256QAM	1	99	17.97	17.93	18.09	18.02	17.98				
20	256QAM	50	0	18.02	18.04	18.07	18.04	18.02	19	5		
20	256QAM	50	24	18.01	18.02	18.05	17.94	18.02				
20	256QAM	50	50	17.87	17.95	18.09	17.96	17.93				
20	256QAM	100	0	18.03	18.02	18.15	18.01	18.08				
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5				
15	QPSK	1	0	22.88	23.10	23.15	23.14	23.21	24.00	0		
15	QPSK	1	37	22.87	22.83	22.90	22.82	22.83				
15	QPSK	1	74	22.94	22.92	22.97	22.96	22.93				
15	QPSK	36	0	21.90	21.92	22.05	21.92	22.07				
15	QPSK	36	20	21.87	22.00	22.08	21.98	22.01	23	1		
15	QPSK	36	39	21.84	21.91	22.02	21.89	21.83				
15	QPSK	75	0	21.98	22.00	22.11	22.00	21.98				
15	16QAM	1	0	21.86	22.06	22.21	22.15	22.11				
15	16QAM	1	37	21.77	21.73	21.98	21.87	21.94	23	1		
15	16QAM	1	74	21.91	21.89	21.98	21.91	22.02				
15	16QAM	36	0	20.98	21.04	21.10	20.93	21.02				
15	16QAM	36	20	20.91	20.92	21.00	20.97	20.95				
15	16QAM	36	39	20.88	20.83	21.02	20.96	20.92	22	2		
15	16QAM	75	0	20.90	20.91	21.03	21.01	20.97				
15	64QAM	1	0	20.90	21.14	21.12	21.11	21.04				
15	64QAM	1	37	20.86	20.88	20.95	20.89	20.81				
15	64QAM	1	74	20.90	20.97	21.11	20.88	20.97	22	2		
15	64QAM	36	0	20.02	20.00	20.11	20.06	20.10				
15	64QAM	36	20	19.92	20.06	20.05	19.94	19.93				
15	64QAM	36	39	19.89	19.87	19.97	19.94	19.81				
15	64QAM	75	0	19.99	19.99	20.15	20.08	20.03	21	3		
15	256QAM	1	0	17.85	17.94	18.08	18.03	18.07				
15	256QAM	1	37	17.79	17.76	17.87	17.87	17.89				
15	256QAM	1	74	17.92	17.90	17.94	17.90	17.92				
15	256QAM	36	0	17.91	17.98	17.99	17.95	17.97	19	5		
15	256QAM	36	20	17.94	17.93	17.90	17.80	17.90				
15	256QAM	36	39	17.80	17.84	17.96	17.83	17.89				
15	256QAM	75	0	17.90	17.95	18.02	17.92	18.00				
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2501	2547	2593	2639	2685				
10	QPSK	1	0	22.85	23.09	23.15	23.11	23.15	24.00	0		
10	QPSK	1	25	22.86	22.79	22.98	22.87	22.81				
10	QPSK	1	49	22.91	22.85	22.97	22.90	22.91				
10	QPSK	25	0	21.93	22.00	22.06	22.04	22.06				
10	QPSK	25	12	21.85	21.93	22.09	21.91	21.98	23	1		
10	QPSK	25	25	21.90	21.92	21.94	21.98	21.89				
10	QPSK	50	0	21.95	21.99	22.11	21.96	22.00				
10	16QAM	1	0	21.93	22.02	22.19	22.09	22.14				
10	16QAM	1	25	21.79	21.79	21.91	21.86	21.94	23	1		
10	16QAM	1	49	21.94	21.86	21.99	21.90	21.92				
10	16QAM	25	0	20.95	20.97	21.10	20.90	21.12				
10	16QAM	25	12	20.94	20.97	21.00	20.97	20.97				
10	16QAM	25	25	20.87	20.80	21.03	20.95	20.91	22	2		
10	16QAM	50	0	20.99	20.91	21.00	20.98	21.03				
10	64QAM	1	0	20.80	21.12	21.12	21.22	21.05				
10	64QAM	1	25	20.91	20.78	20.96	20.80	20.86				
10	64QAM	1	49	20.89	20.95	21.11	20.85	20.95	22	2		
10	64QAM	25	0	19.99	20.02	20.11	20.00	20.10				
10	64QAM	25	12	19.84	19.98	20.05	19.93	19.92				
10	64QAM	25	25	19.83	19.93	20.03	19.96	19.90				
10	64QAM	50	0	19.96	20.00	20.17	19.99	20.01	21	3		
10	256QAM	1	0	17.91	18.00	18.05	18.03	18.09				
10	256QAM	1	25	17.86	17.79	17.92	17.82	17.80				
10	256QAM	1	49	17.89	17.84	17.97	17.89	17.85				
10	256QAM	25	0	17.89	17.93	17.94	17.92	17.95	19	5		
10	256QAM	25	12	17.94	17.95	17.98	17.87	17.98				
10	256QAM	25	25	17.79	17.82	17.96	17.88	17.86				
10	256QAM	50	0	17.97	17.98	18.06	17.87	18.03				
Channel				39675	40148	40620	41093	41555	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5				
5	QPSK	1	0	22.95	23.08	23.18	23.18	23.22	24.00	0		
5	QPSK	1	12	22.85	22.77	22.88	22.84	22.82				
5	QPSK	1	24	22.84	22.88	22.96	22.97	22.89				
5	QPSK	12	0	21.98	21.96	22.10	21.92	21.99	23	1		
5	QPSK	12	7	21.96	22.01	22.04	21.95	21.94				
5	QPSK	12	13	21.86	21.86	22.02	21.96	21.81				
5	QPSK	25	0	21.97	22.00	22.09	22.03	22.05	23	1		
5	16QAM	1	0	21.91	21.95	22.22	22.07	22.19				
5	16QAM	1	12	21.85	21.83	21.86	21.85	21.86				
5	16QAM	1	24	21.93	21.92	21.92	21.97	21.93	23	1		
5	16QAM	12	0	20.97	21.02	21.11	20.99	21.08				
5	16QAM	12	7	20.84	20.90	21.01	20.97	20.96				
5	16QAM	12	13	20.87	20.89	20.93	21.00	20.83	22	2		
5	16QAM	25	0	20.94	20.95	21.03	20.96	21.12				
5	64QAM	1	0	20.80	21.17	21.20	21.20	20.99				
5	64QAM	1	12	20.87	20.81	20.95	20.81	20.80	22	2		
5	64QAM	1	24	20.85	20.97	21.06	20.85	20.93				
5	64QAM	12	0	20.02	19.96	20.08	20.00	20.10				
5	64QAM	12	7	19.85	19.87	20.12	19.87	19.90	21	3		
5	64QAM	12	13	19.90	19.92	20.03	19.98	19.90				
5	64QAM	25	0	20.00	20.01	20.12	20.04	20.03				
5	256QAM	1	0	17.83	17.92	18.04	18.06	18.08	19	5		
5	256QAM	1	12	17.88	17.75	17.87	17.85	17.90				
5	256QAM	1	24	17.88	17.86	18.01	17.93	17.91				
5	256QAM	12	0	17.96	17.92	18.01	17.96	17.89	19	5		
5	256QAM	12	7	17.97	17.92	17.98	17.83	17.94				
5	256QAM	12	13	17.82	17.83	18.00	17.86	17.78				
5	256QAM	25	0	18.00	17.97	18.01	17.96	17.96				

Band 5 ENDC Ant1										
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				20450	20525	20600				
Frequency (MHz)				829	836.5	844				
10	QPSK	1	0	20.59	20.69	20.60	21.3	0		
10	QPSK	1	25	20.62	20.51	20.44				
10	QPSK	1	49	20.46	20.63	20.39				
10	QPSK	25	0	20.36	20.65	20.48	21.3	0		
10	QPSK	25	12	20.52	20.34	20.34				
10	QPSK	25	25	20.48	20.60	20.32				
10	QPSK	50	0	20.42	20.48	20.38	21.3	0		
10	16QAM	1	0	20.48	20.40	20.45				
10	16QAM	1	25	20.47	20.59	20.27				
10	16QAM	1	49	20.47	20.63	20.43	21.3	0		
10	16QAM	25	0	20.25	20.55	20.60				
10	16QAM	25	12	20.55	20.51	20.31				
10	16QAM	25	25	20.41	20.53	20.28	21.3	0		
10	16QAM	50	0	20.39	20.44	20.55				
10	64QAM	1	0	20.40	20.49	20.66				
10	64QAM	1	25	20.51	20.65	20.36	21.3	0		
10	64QAM	1	49	20.57	20.64	20.46				
10	64QAM	25	0	20.07	20.33	20.32				
10	64QAM	25	12	20.15	20.11	20.28	21	0.3		
10	64QAM	25	25	20.25	20.21	19.95				
10	64QAM	50	0	20.16	20.07	20.12				
10	256QAM	1	0	18.16	18.22	18.20	19	2.3		
10	256QAM	1	25	18.23	18.08	18.05				
10	256QAM	1	49	18.27	18.15	18.21				
10	256QAM	25	0	18.22	18.24	18.03	19	2.3		
10	256QAM	25	12	18.10	18.13	18.10				
10	256QAM	25	25	18.33	18.13	18.12				
10	256QAM	50	0	18.01	18.20	18.27				
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				826.5	836.5	846.5				
5	QPSK	1	0	20.39	20.65	20.45	21.3	0		
5	QPSK	1	12	20.52	20.40	20.23				
5	QPSK	1	24	20.27	20.42	20.23				
5	QPSK	12	0	20.27	20.51	20.30	21.3	0		
5	QPSK	12	7	20.30	20.33	20.26				
5	QPSK	12	13	20.48	20.56	20.33				
5	QPSK	25	0	20.34	20.40	20.26	21.3	0		
5	16QAM	1	0	20.33	20.34	20.30				
5	16QAM	1	12	20.47	20.52	20.08				
5	16QAM	1	24	20.29	20.46	20.43	21.3	0		
5	16QAM	12	0	20.24	20.55	20.52				
5	16QAM	12	7	20.38	20.50	20.29				
5	16QAM	12	13	20.28	20.49	20.12	21.3	0		
5	16QAM	25	0	20.26	20.33	20.51				
5	64QAM	1	0	20.19	20.44	20.63				
5	64QAM	1	12	20.40	20.44	20.24	21.3	0		
5	64QAM	1	24	20.39	20.46	20.26				
5	64QAM	12	0	20.01	20.16	20.17				
5	64QAM	12	7	20.08	20.03	20.18	21	0.3		
5	64QAM	12	13	20.14	20.15	19.93				
5	64QAM	25	0	20.04	19.99	20.02				
5	256QAM	1	0	18.17	18.24	18.07	19	2.3		
5	256QAM	1	12	18.21	18.01	17.89				
5	256QAM	1	24	18.09	18.15	18.19				
5	256QAM	12	0	18.18	18.20	17.82	19	2.3		
5	256QAM	12	7	18.07	17.97	17.96				
5	256QAM	12	13	18.29	17.97	18.05				
5	256QAM	25	0	17.98	18.08	18.25				
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				825.5	836.5	847.5				
3	QPSK	1	0	20.48	20.50	20.56	21.3	0		
3	QPSK	1	8	20.61	20.47	20.45				
3	QPSK	1	14	20.47	20.49	20.27				
3	QPSK	8	0	20.20	20.51	20.35	21.3	0		
3	QPSK	8	4	20.31	20.18	20.15				
3	QPSK	8	7	20.44	20.61	20.25				
3	QPSK	15	0	20.44	20.45	20.21	21.3	0		
3	16QAM	1	0	20.44	20.26	20.28				
3	16QAM	1	8	20.49	20.58	20.21				
3	16QAM	1	14	20.34	20.64	20.42	21.3	0		
3	16QAM	8	0	20.07	20.35	20.52				
3	16QAM	8	4	20.50	20.38	20.27				
3	16QAM	8	7	20.25	20.45	20.21	21.3	0		
3	16QAM	15	0	20.17	20.28	20.41				
3	64QAM	1	0	20.34	20.27	20.44				
3	64QAM	1	8	20.51	20.65	20.25	21.3	0		
3	64QAM	1	14	20.54	20.42	20.45				
3	64QAM	8	0	19.99	20.35	20.30				
3	64QAM	8	4	20.03	20.07	20.11	21	0.3		
3	64QAM	8	7	20.25	20.17	19.85				
3	64QAM	15	0	20.15	19.99	19.91				
3	256QAM	1	0	18.15	18.14	18.11	19	2.3		
3	256QAM	1	8	18.20	17.89	17.83				
3	256QAM	1	14	18.20	17.97	18.22				
3	256QAM	8	0	18.04	18.12	18.01	19	2.3		
3	256QAM	8	4	18.10	18.03	18.03				
3	256QAM	8	7	18.17	17.97	18.10				
3	256QAM	15	0	17.84	18.11	18.15				
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				824.7	836.5	848.3				
1.4	QPSK	1	0	20.46	20.64	20.59	21.3	0		
1.4	QPSK	1	3	20.64	20.30	20.26				
1.4	QPSK	1	5	20.30	20.43	20.33				
1.4	QPSK	3	0	20.31	20.67	20.27	21.3	0		
1.4	QPSK	3	1	20.40	20.34	20.27				
1.4	QPSK	3	3	20.43	20.62	20.25				
1.4	QPSK	6	0	20.27	20.36	20.18	21.3	0		
1.4	16QAM	1	0	20.26	20.41	20.46				
1.4	16QAM	1	3	20.28	20.52	20.16				
1.4	16QAM	1	5	20.47	20.45	20.41	21.3	0		
1.4	16QAM	3	0	20.20	20.51	20.42				
1.4	16QAM	3	1	20.52	20.35	20.33				
1.4	16QAM	3	3	20.37	20.50	20.25	21.3	0		
1.4	16QAM	6	0	20.23	20.22	20.56				
1.4	64QAM	1	0	20.31	20.41	20.67				
1.4	64QAM	1	3	20.47	20.46	20.37	21.3	0		
1.4	64QAM	1	5	20.54	20.42	20.29				
1.4	64QAM	3	0	19.87	20.21	20.13				
1.4	64QAM	3	1	20.16	20.04	20.19	21	0.3		
1.4	64QAM	3	3	20.10	20.07	19.77				
1.4	64QAM	6	0	20.16	19.97	19.90	21	0.3		
1.4	256QAM	1	0	18.10	18.07	18.20				
1.4	256QAM	1	3	18.09	18.07	17.86	19	2.3		
1.4	256QAM	1	5	18.19	18.00	18.18				
1.4	256QAM	3	0	18.07	18.23	17.99				
1.4	256QAM	3	1	18.00	18.09	17.95	19	2.3		
1.4	256QAM	3	3	18.16	17.94	18.04				
1.4	256QAM	6	0	17.97	18.00	18.06				

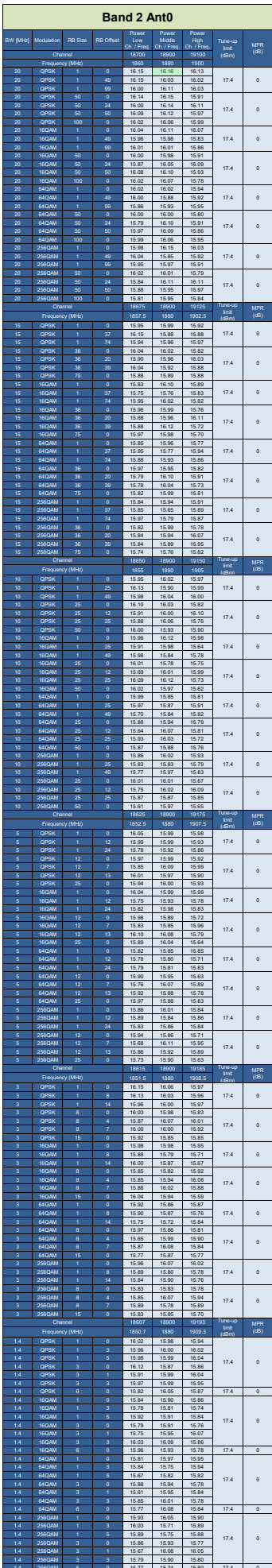
Band 42 FCCAnt2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990			
Frequency (MHz)				3460	3500	3540			
				18.83	18.91	18.66			
20	QPSK	1	0	18.83	18.85	18.64	19.4	0	
20	QPSK	1	49	18.83	18.85	18.64			
20	QPSK	1	99	18.68	18.68	18.88			
20	QPSK	50	0	18.85	18.90	18.66	19.4	0	
20	QPSK	50	24	18.76	18.73	18.59			
20	QPSK	50	50	18.86	18.67	18.89			
20	QPSK	100	0	18.68	18.70	18.64	19.4	0	
20	16QAM	1	0	18.70	18.90	18.57			
20	16QAM	1	49	18.70	18.86	18.64			
20	16QAM	1	99	18.66	18.49	18.78	19.4	0	
20	16QAM	50	0	18.86	18.69	18.48			
20	16QAM	50	24	18.58	18.61	18.56			
20	16QAM	50	50	18.87	18.61	18.80	19.4	0	
20	16QAM	100	0	18.66	18.44	18.56			
20	64QAM	1	0	18.80	18.76	18.62			
20	64QAM	1	49	18.69	18.68	18.42	19.4	0	
20	64QAM	1	99	18.53	18.50	18.82			
20	64QAM	50	0	18.78	18.66	18.50			
20	64QAM	50	24	18.59	18.57	18.45	19.4	0	
20	64QAM	50	50	18.81	18.63	18.70			
20	64QAM	100	0	18.52	18.65	18.47			
20	256QAM	1	0	18.32	18.49	18.26	19	0.4	
20	256QAM	1	49	18.37	18.37	18.29			
20	256QAM	1	99	18.21	18.18	18.49			
20	256QAM	50	0	18.54	18.32	18.32	19	0.4	
20	256QAM	50	24	18.30	18.26	18.10			
20	256QAM	50	50	18.51	18.18	18.55			
20	256QAM	100	0	18.24	18.24	18.34			
Channel				42165	42590	43015			
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	18.65	18.79	18.51	19.4	0	
15	QPSK	1	37	18.70	18.83	18.44			
15	QPSK	1	74	18.67	18.53	18.90			
15	QPSK	36	0	18.86	18.74	18.56	19.4	0	
15	QPSK	36	20	18.55	18.72	18.52			
15	QPSK	36	39	18.88	18.53	18.87			
15	QPSK	75	0	18.49	18.52	18.49	19.4	0	
15	16QAM	1	0	18.63	18.68	18.40			
15	16QAM	1	37	18.69	18.50	18.57			
15	16QAM	1	74	18.64	18.46	18.84	19.4	0	
15	16QAM	36	0	18.68	18.59	18.43			
15	16QAM	36	20	18.38	18.43	18.55			
15	16QAM	36	39	18.83	18.61	18.61	19.4	0	
15	16QAM	75	0	18.60	18.42	18.37			
15	64QAM	1	0	18.62	18.63	18.60			
15	64QAM	1	37	18.64	18.50	18.43	19.4	0	
15	64QAM	1	74	18.44	18.46	18.72			
15	64QAM	36	0	18.72	18.49	18.36			
15	64QAM	36	20	18.38	18.35	18.45	19.4	0	
15	64QAM	36	39	18.67	18.49	18.56			
15	64QAM	75	0	18.32	18.58	18.41			
15	256QAM	1	0	18.25	18.31	18.09	19	0.4	
15	256QAM	1	37	18.20	18.18	18.27			
15	256QAM	1	74	18.16	18.01	18.38			
15	256QAM	36	0	18.40	18.17	18.22	19	0.4	
15	256QAM	36	20	18.14	18.27	17.95			
15	256QAM	36	39	18.31	18.06	18.34			
15	256QAM	75	0	18.14	18.04	18.21			
Channel				42140	42590	43040			
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	18.83	18.73	18.54	19.4	0	
10	QPSK	1	25	18.64	18.86	18.48			
10	QPSK	1	49	18.64	18.51	18.73			
10	QPSK	25	0	18.81	18.59	18.52	19.4	0	
10	QPSK	25	12	18.70	18.71	18.38			
10	QPSK	25	25	18.74	18.49	18.74			
10	QPSK	50	0	18.61	18.66	18.64	19.4	0	
10	16QAM	1	0	18.57	18.87	18.38			
10	16QAM	1	25	18.71	18.66	18.54			
10	16QAM	1	49	18.54	18.50	18.69	19.4	0	
10	16QAM	25	0	18.70	18.47	18.35			
10	16QAM	25	12	18.48	18.50	18.53			
10	16QAM	25	25	18.71	18.43	18.65	19.4	0	
10	16QAM	50	0	18.51	18.29	18.48			
10	64QAM	1	0	18.74	18.62	18.63			
10	64QAM	1	25	18.58	18.58	18.38	19.4	0	
10	64QAM	1	49	18.40	18.35	18.64			
10	64QAM	25	0	18.58	18.59	18.28			
10	64QAM	25	12	18.56	18.57	18.33	19.4	0	
10	64QAM	25	25	18.75	18.52	18.51			
10	64QAM	50	0	18.35	18.58	18.27			
10	256QAM	1	0	18.10	18.40	18.20	19	0.4	
10	256QAM	1	25	18.32	18.24	18.19			
10	256QAM	1	49	18.21	18.01	18.39			
10	256QAM	25	0	18.41	18.14	18.12	19	0.4	
10	256QAM	25	12	18.30	18.06	18.01			
10	256QAM	25	25	18.47	18.05	18.48			
10	256QAM	50	0	18.08	18.18	18.13			
Channel				42115	42590	43065			
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	18.82	18.83	18.62	19.4	0	
5	QPSK	1	12	18.81	18.71	18.48			
5	QPSK	1	24	18.54	18.55	18.86			
5	QPSK	12	0	18.82	18.60	18.62	19.4	0	
5	QPSK	12	7	18.64	18.57	18.41			
5	QPSK	12	13	18.88	18.55	18.78			
5	QPSK	25	0	18.61	18.51	18.54	19.4	0	
5	16QAM	1	0	18.66	18.74	18.38			
5	16QAM	1	12	18.68	18.62	18.61			
5	16QAM	1	24	18.55	18.35	18.59	19.4	0	
5	16QAM	12	0	18.66	18.63	18.34			
5	16QAM	12	7	18.49	18.60	18.58			
5	16QAM	12	13	18.75	18.61	18.70	19.4	0	
5	16QAM	25	0	18.63	18.30	18.46			
5	64QAM	1	0	18.77	18.63	18.58			
5	64QAM	1	12	18.50	18.62	18.36	19.4	0	
5	64QAM	1	24	18.36	18.44	18.70			
5	64QAM	12	0	18.60	18.51	18.45			
5	64QAM	12	7	18.45	18.37	18.33	19.4	0	
5	64QAM	12	13	18.72	18.54	18.53			
5	64QAM	25	0	18.50	18.51	18.46			
5	256QAM	1	0	18.25	18.31	18.13	19	0.4	
5	256QAM	1	12	18.31	18.20	18.15			
5	256QAM	1	24	18.15	18.15	18.33			
5	256QAM	12	0	18.41	18.17	18.24	19	0.4	
5	256QAM	12	7	18.26	18.22	18.00			
5	256QAM	12	13	18.32	18.11	18.45			
5	256QAM	25	0	18.25	18.23	18.32			

Reduced Power Mode for WWAN DSI 3-Standalone

GSM850 A/G	Base Average Power (dBm)			Turn-up Limit	Frame Average Power (dBm)			Turn-up Limit
	TX Channel	128	198	261	Limit	128	198	261
Frequency (MHz)		895.2	895.8	896.8	(dBm)	895.2	896.4	896.8
QRM 1 Tx limit		32.89	32.71	32.85	33.90	33.89	23.71	23.85
QPRS 1 Tx limit		32.89	32.89	32.89	33.90	23.89	23.89	24.59
QPRS 2 Tx limit		30.76	30.54	30.42	31.90	24.76	24.34	24.42
QPRS 3 Tx limit		29.59	29.25	29.18	30.60	24.93	24.69	24.95
QPRS 4 Tx limit		27.48	27.62	27.66	29.00	24.68	24.82	24.60
EDGE 1 Tx limit		28.74	28.71	28.78	27.60	17.74	17.71	17.78
EDGE 2 Tx limit		25.71	25.27	25.60	27.00	13.71	13.07	13.60
EDGE 3 Tx limit		24.37	24.18	24.23	25.60	20.11	19.82	19.87
EDGE 4 Tx limit		22.65	22.54	22.59	24.00	18.62	18.04	18.39

GSM1900 A/G	Base Average Power (dBm)			Turn-up Limit	Frame Average Power (dBm)			Turn-up Limit
	TX Channel	512	861	819	Limit	512	861	819
Frequency (MHz)		1920.2	1920	1909.8	(dBm)	1850.2	1940	1909.8
QRM 1 Tx limit		24.84	24.42	24.54	25.00	15.64	15.22	15.54
QPRS 1 Tx limit		24.85	24.73	24.80	25.00	15.65	15.72	15.80
QPRS 2 Tx limit		21.60	21.76	21.69	23.00	15.60	15.76	15.69
QPRS 3 Tx limit		20.76	20.90	20.70	22.00	16.50	16.54	16.44
QPRS 4 Tx limit		19.28	19.29	19.30	20.60	16.28	16.29	16.30
EDGE 1 Tx limit		15.36	15.04	15.26	21.00	11.06	11.04	11.26
EDGE 2 Tx limit		19.38	19.72	19.23	20.50	13.30	13.72	13.23
EDGE 3 Tx limit		17.80	18.21	17.89	19.00	14.80	14.85	14.74
EDGE 4 Tx limit		16.03	16.73	16.51	17.00	13.03	13.73	13.51

Base TX Channel	WCDMA I A/G			Turn-up Limit	WCDMA IV A/G			Turn-up Limit
	8062	8400	8638	Limit	1912	1413	1513	Limit
Frequency (MHz)	8062	8400	8638	(dBm)	1912	1908	1796	(dBm)
ISPP Ref 0	182.4	1688	1607.8	1712.4	1710.6	1750.8	846.4	846.4
ISPP Ref 1	17.05	17.16	16.98	16.00	17.15	17.00	17.00	17.00
ISPP Ref 2	17.25	17.05	17.17	16.00	17.25	17.00	17.00	17.00
ISPP Ref 3	16.31	16.14	16.20	17.00	16.16	16.09	16.00	22.34
ISPP Ref 4	16.13	16.22	16.25	17.00	16.10	16.09	16.10	22.32
ISPP Ref 5	15.65	15.73	15.75	16.00	15.69	15.60	15.70	21.79
ISPP Ref 6	15.65	15.60	15.60	16.00	15.76	15.74	15.76	21.69
ISPP Ref 7	16.32	16.18	16.13	17.00	16.35	16.32	16.31	22.21
ISPP Ref 8	16.32	16.18	16.13	17.00	16.35	16.32	16.31	22.19
ISPP Ref 9	16.17	16.28	16.22	17.00	16.25	16.30	16.15	22.25
ISPP Ref 10	15.62	15.69	15.61	16.00	15.65	15.70	15.63	21.66
ISPP Ref 11	15.72	15.61	15.69	16.00	15.79	15.84	15.76	21.79
ISPP Ref 12	15.32	15.16	15.00	17.00	15.37	15.35	15.35	22.53
ISPP Ref 13	14.23	14.17	14.09	15.00	14.36	14.38	14.28	20.25
ISPP Ref 14	14.34	14.28	14.16	16.00	14.34	14.34	14.16	21.62
ISPP Ref 15	14.12	14.11	14.08	15.00	14.25	14.26	14.25	20.18
ISPP Ref 16	16.27	16.22	16.07	17.00	16.34	16.40	16.35	22.21



Band 4 Ant0									
RF (MHz)	Modulation	RF BW (MHz)	RF Ch (MHz)	Power Ch1 (dBm)	Power Ch2 (dBm)	Power Freq (dBm)	Time-up (sec)	MPE (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	16.16	16.16	16.16			
20	QPSK	1	49	16.07	16.17	16.04	17.3	0	
20	QPSK	1	97	16.03	16.02	16.02			
20	QPSK	50	0	16.17	16.16	16.09			
20	QPSK	50	24	15.58	15.16	15.16	17.3	0	
20	QPSK	50	48	15.58	15.16	15.16			
20	QPSK	100	0	15.58	16.16	16.12			
20	QPSK	1	0	16.08	16.16	16.07			
20	QPSK	1	49	15.85	15.85	15.84			
20	QPSK	1	99	15.96	15.97	15.97			
20	QPSK	50	24	16.17	16.06	15.94			
20	QPSK	50	48	16.17	16.06	15.94	17.3	0	
20	QPSK	50	96	16.17	16.06	15.94			
20	QPSK	100	96	16.16	16.08	15.94			
20	QPSK	1	0	15.92	16.07	16.03			
20	QPSK	1	49	15.07	16.17	16.05	17.3	0	
20	QPSK	1	98	15.92	16.06	16.01			
20	QPSK	50	24	15.11	15.05	15.04			
20	QPSK	50	48	15.95	15.96	15.90	17.3	0	
20	QPSK	50	96	15.95	15.96	15.90			
20	QPSK	100	96	15.87	16.00	15.91			
20	QPSK	1	0	16.14	16.13	16.02			
20	QPSK	1	49	15.92	15.92	15.93	17.3	0	
20	QPSK	1	99	15.92	15.92	15.93			
20	QPSK	50	24	16.12	16.12	16.07			
20	QPSK	50	48	15.96	15.96	15.91	17.3	0	
20	QPSK	50	96	16.08	16.13	15.92			
20	QPSK	100	96	15.94	15.99	15.97	17.3	0	
Frequency (MHz)									
15	QPSK	1	0	17.175	17.172	17.173			
15	QPSK	1	0	15.99	15.97	16.01			
15	QPSK	1	49	15.94	16.04	15.98	17.3	0	
15	QPSK	1	94	15.90	15.93	15.90			
15	QPSK	36	0	15.97	16.02	16.02			
15	QPSK	36	18	15.88	15.88	15.88	17.3	0	
15	QPSK	36	36	15.12	15.11	15.88			
15	QPSK	72	0	15.90	15.95	16.02			
15	QPSK	72	18	15.88	15.88	15.88	17.3	0	
15	QPSK	72	36	15.12	15.11	15.88			
15	QPSK	1	94	15.74	15.83	15.93			
15	QPSK	1	97	15.72	15.82	15.91	17.3	0	
15	QPSK	36	20	15.74	15.85	15.82			
15	QPSK	36	39	15.59	15.58	15.83	17.3	0	
15	QPSK	72	39	15.72	15.82	15.90			
15	QPSK	1	0	15.96	15.95	15.97			
15	QPSK	1	49	16.07	16.07	16.00	17.3	0	
15	QPSK	1	97	15.94	15.98	15.98			
15	QPSK	36	0	15.91	15.95	15.99			
15	QPSK	36	20	15.74	15.89	15.74	17.3	0	
15	QPSK	36	39	15.59	15.58	15.83			
15	QPSK	72	0	15.94	15.94	15.94			
15	QPSK	72	39	15.91	15.89	15.74			
15	QPSK	1	97	15.95	15.95	15.95	17.3	0	
15	QPSK	36	20	15.74	15.89	15.74			
15	QPSK	36	39	15.59	15.58	15.83	17.3	0	
15	QPSK	72							
Channel									
Frequency (MHz)									
3	QPSK	1	0	17.175	17.172	17.173			
3	QPSK	1	0	16.06	16.06	16.06			
3	QPSK	1	49	15.94	16.04	15.98	17.3	0	
3	QPSK	1	94	15.90	15.93	15.90			
3	QPSK	12	0	15.94	15.88	15.87			
3	QPSK	12	6	15.99	16.07	16.04			
3	QPSK	12	12	15.84	15.88	15.87			
3	QPSK	12	18	15.99	16.07	16.04			
3	QPSK	12	24	15.94	16.07	16.00			
3	QPSK	12	30	15.90	16.02	15.99			
3	QPSK	12	36	15.84	15.88	15.87			
3	QPSK	12	42	15.99	16.07	16.04			
3	QPSK	12	48	15.94	16.07	16.00			
3	QPSK	12	54	15.90	16.02	15.99			
3	QPSK	12	60	15.84	15.88	15.87			
3	QPSK	12	66	15.99	16.07	16.04			
3	QPSK	12	72	15.94	16.07	16.00			
3	QPSK	12	78	15.90	16.02	15.99			
3	QPSK	12	84	15.84	15.88	15.87			
3	QPSK	12	90	15.99	16.07	16.04			
3	QPSK	12	96	15.94	16.07	16.00			
3	QPSK	12	102	15.90	16.02	15.99			
3	QPSK	12	108	15.84	15.88	15.87			
3	QPSK	12	114	15.99	16.07	16.04			
3	QPSK	12	120	15.94	16.07	16.00			
3	QPSK	12	126	15.90	16.02	15.99			
3	QPSK	12	132	15.84	15.88	15.87			
3	QPSK	12	138	15.99	16.07	16.04			
3	QPSK	12	144	15.94	16.07	16.00			
3	QPSK	12	150	15.90	16.02	15.99			
3	QPSK	12	156	15.84	15.88	15.87			
3	QPSK	12	162	15.99	16.07	16.04			
3	QPSK	12	168	15.94	16.07	16.00			
3	QPSK	12	174	15.90	16.02	15.99			
3	QPSK	12	180	15.84	15.88	15.87			
3	QPSK	12	186	15.99	16.07	16.04			
3	QPSK	12	192	15.94	16.07	16.00			
3	QPSK	12	198	15.90	16.02	15.99			
3	QPSK	12	204	15.84	15.88	15.87			
3	QPSK	12	210	15.99	16.07	16.04			
3	QPSK	12	216	15.94	16.07	16.00			
3	QPSK	12	222	15.90	16.02	15.99			
3	QPSK	12	228	15.84	15.88	15.87			
3	QPSK	12	234	15.99	16.07	16.04			
3	QPSK	12	240	15.94	16.07	16.00			
3	QPSK	12	246	15.90	16.02	15.99			
3	QPSK	12	252	15.84	15.88	15.87			
3	QPSK	12	258	15.99	16.07	16.04			
3	QPSK	12	264	15.94	16.07	16.00			
3	QPSK	12	270	15.90	16.02	15.99			
3	QPSK	12	276	15.84	15.88	15.87			
3	QPSK	12	282	15.99	16.07	16.04			
3	QPSK	12	288	15.94	16.07	16.00			
3	QPSK	12	294	15.90	16.02	15.99			
3	QPSK	12	300	15.84	15.88	15.87			
3	QPSK	12	306	15.99	16.07	16.04			
3	QPSK	12	312	15.94	16.07	16.00			
3	QPSK	12	318	15.90	16.02	15.99			
3	QPSK	12	324	15.84	15.88	15.87			
3	QPSK	12	330	15.99	16.07	16.04			
3	QPSK	12	336	15.94	16.07	16.00			
3	QPSK	12	342	15.90	16.02	15.99			
3	QPSK	12	348	15.84	15.88	15.87			
3	QPSK	12	354	15.99	16.07	16.04			
3	QPSK	12	360	15.94	16.07	16.00			
3	QPSK	12	366	15.90	16.02	15.99			
3	QPSK	12	372	15.84	15.88	15.87			
3	QPSK	12	378	15.99	16.07	16.04			
3	QPSK	12	384	15.94	16.07	16.00			
3	QPSK	12	390	15.90	16.02	15.99			
3	QPSK	12	396	15.84	15.88	15.87			
3	QPSK	12	402	15.99	16.07	16.04			
3	QPSK	12	408	15.94	16.07	16.00			
3	QPSK	12	414	15.90	16.02	15.99			
3	QPSK	12	420	15.84	15.88	15.87			
3	QPSK	12	426	15.99	16.07	16.04			
3	QPSK	12	432	15.94	16.07	16.00			
3	QPSK	12	438	15.90	16.02	15.99			
3	QPSK	12	444	15.84	15.88	15.87			
3	QPSK	12	450	15.99	16.07	16.04			
3	QPSK	12	456	15.94	16.07	16.00			
3	QPSK	12	462	15.90	16.02	15.99			
3	QPSK	12	468	15.84	15.88	15.87			
3	QPSK	12	474	15.99	16.07	16.04			
3	QPSK	12	480	15.94	16.07	16.00			
3	QPSK	12	486	15.90	16.02	15.99			
3	QPSK	12	492	15.84	15.88	15.87			
3	QPSK	12	498	15.99	16.07	16.04			
3	QPSK	12	504	15.94	16.07	16.00			
3	QPSK	12	510	15.90	16.02	15.99			
3	QPSK	12	516	15.84	15.88	15.87			
3	QPSK	12	522	15.99	16.07	16.04			
3	QPSK	12	528	15.94	16.07	16.00			
3	QPSK	12	534	15.90	16.02	15.99			
3	QPSK	12	540	15.84	15.88	15.87			
3	QPSK	12	546	15.99	16.07	16.04			
3	QPSK	12	552	15.94	16.07	16.00			
3	QPSK	12	558	15.90	16.02	15.99			
3	QPSK	12	564	15.84	15.88	15.87			
3	QPSK	12	570	15.99	16.07	16.04			
3	QPSK	12	576	15.94	16.07	16.00			
3	QPSK	12	582	15.90	16.02	15.99			
3	QPSK	12	588	15.84	15.88	15.87			
3	QPSK	12	594	15.99	16.07	16.04			
3	QPSK	12	600	15.94	16.07	16.00			
3	QPSK	12	606	15.90	16.02	15.99			
3	QPSK	12	612	15.84	15.88	15.87			</

Band 5 Ant0									
SW (MHz)	Modulation	RIS Slot	RIS Chnl	Power Ch. 1/Freq. 24450	Power Ch. 2/Freq. 25025	Power Ch. 3/Freq. 25600	Time-out slot (s/m)	Uplink (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	8	23.02	23.08	23.00			
10	QPSK	1	26	22.91	23.03	22.92	24	0	
10	QPSK	15	8	22.95	23.01	22.98			
10	QPSK	25	8	22.92	23.13	22.98			
10	QPSK	25	12	22.90	22.98	21.98	23	1	
10	QPSK	25	26	21.98	22.10	22.01			
10	QPSK	50	8	22.98	22.90	22.95			
10	QPSK	50	8	22.93	22.16	22.03			
10	16QAM	1	49	21.96	22.90	21.92			
10	16QAM	25	8	21.99	21.16	21.06			
10	16QAM	25	12	20.99	21.06	20.98	22	2	
10	16QAM	25	25	21.03	21.10	21.08			
10	16QAM	50	8	21.05	22.95	21.05			
10	16QAM	50	8	21.01	21.11	21.01			
10	16QAM	1	25	21.00	21.13	20.99	22	2	
10	16QAM	25	8	21.02	21.09	21.02			
10	16QAM	25	9	20.95	21.13	20.98			
10	16QAM	25	12	20.63	20.98	20.63	21	3	
10	16QAM	25	12	20.99	21.03	20.98			
10	16QAM	50	9	20.97	21.01	20.91			
10	256QAM	1	0	18.84	18.80	17.87			
10	256QAM	1	26	17.85	18.00	17.85	19		
10	256QAM	1	49	17.81	17.94	17.85			
10	256QAM	25	0	17.95	18.08	17.97			
10	256QAM	25	12	17.95	18.00	17.95	19		
10	256QAM	25	26	17.89	18.00	17.89			
10	256QAM	50	0	18.05	18.00	17.42			
Channel									
Frequency (MHz)									
5	QPSK	1	0	82.5	83.5	84.5			
5	QPSK	1	0	82.84	83.02	82.85	24	0	
5	QPSK	12	8	82.89	82.96	82.81			
5	QPSK	1	24	82.90	82.95	82.73			
5	QPSK	12	13	81.85	82.00	81.79	23	1	
5	QPSK	25	0	80.91	80.96	80.85	23	1	
5	QPSK	25	12	80.95	80.96	80.84			
5	16QAM	1	12	80.91	81.03	80.86	22	2	
5	16QAM	25	8	80.99	81.00	80.94			
5	16QAM	1	0	80.93	80.95	80.82	22	2	
5	16QAM	1	12	80.96	81.03	80.89			
5	16QAM	25	0	79.91	80.00	79.96	21	3	
5	16QAM	12	0	79.90	79.95	79.86			
5	16QAM	25	0	79.92	80.00	79.93	19	5	
5	256QAM	1	12	77.82	77.92	77.79			
5	256QAM	1	24	77.78	77.85	77.74			
5	256QAM	12	7	77.80	77.85	77.75	19	5	
5	256QAM	12	13	77.79	78.00	77.85			
Channel									
Frequency (MHz)									
3	QPSK	1	0	22.89	22.96	22.87			
3	QPSK	1	0	22.89	22.96	22.87	24	0	
3	QPSK	1	14	22.93	22.91	22.73			
3	QPSK	1	22	21.93	22.08	21.98			
3	QPSK	8	8	21.88	21.98	21.88	23	1	
3	QPSK	8	7	21.88	22.06	21.92			
3	QPSK	8	7	21.97	22.07	21.93			
3	16QAM	1	8	21.85	22.03	21.78	23	1	
3	16QAM	1	8	21.85	21.98	21.78			
3	16QAM	8	4	20.95	20.99	20.84	22	2	
3	16QAM	8	4	20.91	21.01	21.00			
3	16QAM	16	8	20.96	20.92	20.81			
3	16QAM	0	26	20.97	21.00	20.89	22	2	
3	16QAM	0	26	20.95	21.01	20.83			
3	16QAM	1	14	20.93	20.97	20.79			
3	16QAM	8	0	20.98	20.91	20.81	21	3	
3	16QAM	8	4	19.95	19.98	19.96			
3	16QAM	8	4	19.92	19.97	19.86			
3	256QAM	1	8	17.81	17.86	17.87	19		
3	256QAM	1	14	17.82	17.85	17.79			
3	256QAM	8	4	17.80	17.87	17.84	19	5	
3	256QAM	8	4	17.76	17.80	17.84			
3	256QAM	15	0	17.76	17.84	17.80			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	22.96	22.97	22.87			
1.4	QPSK	1	3	22.78	22.86	22.85			
1.4	QPSK	1	6	22.85	22.85	22.75	24	0	
1.4	QPSK	1	9	22.88	22.91	22.86			
1.4	QPSK	1	3	22.84	23.04	22.88			
1.4	QPSK	1	14	21.93	22.01	21.93	23	1	
1.4	16QAM	1	0	21.93	22.10	21.87			
1.4	16QAM	1	3	21.83	21.84	21.76			
1.4	16QAM	1	14	21.83	21.96	21.82	23	1	
1.4	16QAM	3	0	21.90	22.07	21.94			
1.4	16QAM	3	0	21.86	22.04	21.87			
1.4	16QAM	3	3	20.95	22.04	21.89			
1.4	16QAM	6	0	21.03	21.02	20.96	22	2	
1.4	16QAM	6	0	20.98	21.01	20.93			
1.4	16QAM	9	0	20.95	20.95	20.87			
1.4	16QAM	9	5	20.85	21.01	20.87	22	2	
1.4	16QAM	9	0	20.91	21.00	21.00			
1.4	16QAM	9	3	21.00	21.00	21.00			
1.4	16QAM	9	3	20.92	19.96	19.94	21	3	
1.4	256QAM	0	0	17.82	17.90	17.82			
1.4	256QAM	0	3	17.77	17.86	17.82			
1.4	256QAM	0	3	17.81	17.83	17.81	19	5	
1.4	256QAM	0	9	17.80	18.01	17.82			
1.4	256QAM	0	9	17.81	17.85	17.82			
1.4	256QAM	0	9	17.76	18.04	17.87			
1.4	256QAM	0	0	17.95	18.06	17.86	19	5	

Band 7 Ant0									
HW Model	Modulation	RB Size	RB Offset	Power Ch. 1/Freq	Power Ch. 2/Freq	Power Ch. 3/Freq	Time-slot (ms)	Uplink (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	17.49	17.63	21.60			
20	QPSK	1	48	17.48	17.48	17.38	18.7	0	
20	QPSK	1	96	17.48	17.48	17.38			
20	QPSK	60	0	17.47	17.68	17.36			
20	QPSK	50	24	17.38	17.64	17.53			
20	QPSK	50	80	17.28	17.53	17.56	18.7	0	
20	QPSK	100	0	17.34	17.47	17.44			
20	16QAM	1	0	17.47	17.47	17.34			
20	16QAM	1	48	17.30	17.52	17.26	18.7	0	
20	16QAM	1	96	17.21	17.47	17.53			
20	16QAM	60	0	17.27	17.56	17.23			
20	16QAM	50	24	17.43	17.43	17.54			
20	16QAM	50	80	17.19	17.48	17.43	18.7	0	
20	16QAM	100	0	17.28	17.52	17.25			
20	64QAM	1	0	17.32	17.41	17.42			
20	64QAM	1	48	17.33	17.22	17.18	18.7	0	
20	64QAM	1	96	17.33	17.22	17.18			
20	64QAM	50	24	17.27	17.54	17.25			
20	64QAM	50	80	17.27	17.52	17.51	18.7	0	
20	64QAM	100	0	17.31	17.32	17.36			
20	256QAM	1	0	17.38	17.65	17.33			
20	256QAM	1	48	17.38	17.41	17.27	18.7	0	
20	256QAM	1	96	17.37	17.39	17.55			
20	256QAM	50	24	17.34	17.40	17.21			
20	256QAM	50	80	17.28	17.53	17.53	18.7	0	
20	256QAM	100	0	17.36	17.52	17.48			
20	256QAM	100	0	17.36	17.50	17.25			
Channel									
Frequency (MHz)									
15	QPSK	1	0	17.47	17.48	21.62			
15	QPSK	1	48	17.47	17.48	17.38	18.7	0	
15	QPSK	1	96	17.47	17.48	17.38			
15	QPSK	60	0	17.38	17.41	17.53			
15	QPSK	50	24	17.38	17.48	17.54			
15	QPSK	50	80	17.26	17.33	17.46	18.7	0	
15	QPSK	75	0	17.18	17.25	17.39			
15	16QAM	1	0	17.30	17.52	17.25			
15	16QAM	1	37	17.19	17.24	17.21	18.7	0	
15	16QAM	1	74	17.14	17.47	17.38			
15	16QAM	60	0	17.33	17.42	17.42			
15	16QAM	36	20	17.11	17.30	17.45	18.7	0	
15	16QAM	36	56	17.05	17.46	17.36			
15	16QAM	60	80	17.02	17.52	17.42			
15	64QAM	1	0	17.30	17.29	17.32	18.7	0	
15	64QAM	1	37	17.18	17.19	17.14			
15	64QAM	1	74	17.11	17.17	17.13			
15	64QAM	36	20	17.38	17.56	17.25			
15	64QAM	36	56	17.08	17.46	17.32	18.7	0	
15	64QAM	36	80	17.03	17.42	17.38			
15	64QAM	75	0	17.23	17.34	17.36			
15	256QAM	1	0	17.38	17.54	17.23			
15	256QAM	1	37	17.34	17.39	17.06	18.7	0	
15	256QAM	1	74	17.25	17.3	17.11			
15	256QAM	50	24	17.28	17.42	17.22			
15	256QAM	50	80	17.14	17.32	17.43	18.7	0	
15	256QAM	100	0	17.31	17.45	17.35			
15	256QAM	100	0	17.31	17.43	17.18			
Channel									
Frequency (MHz)									
10	QPSK	1	0	17.49	17.63	21.60			
10	QPSK	1	48	17.48	17.48	17.38	18.7	0	
10	QPSK	1	96	17.48	17.48	17.38			
10	QPSK	60	0	17.47	17.68	17.36			
10	QPSK	25	12	17.36	17.44	17.55			
10	QPSK	25	25	17.11	17.40	17.55	18.7	0	
10	QPSK	25	38	17.09	17.49	17.51			
10	16QAM	1	0	17.30	17.52	17.25			
10	16QAM	1	25	17.11	17.17	17.12	18.7	0	
10	16QAM	1	50	17.02	17.48	17.42			
10	16QAM	25	0	17.15	17.48	17.15			
10	16QAM	25	12	17.23	17.33	17.40	18.7	0	
10	16QAM	25	25	17.15	17.30	17.23			
10	16QAM	50	0	17.13	17.29	17.34			
10	64QAM	1	0	17.36	17.41	17.39			
10	64QAM	1	25	17.22	17.18	17.27	18.7	0	
10	64QAM	1	48	17.14	17.08	17.19			
10	64QAM	25	0	17.32	17.43	17.37			
10	64QAM	25	12	17.15	17.30	17.23	18.7	0	
10	64QAM	25	25	17.19	17.43	17.31			
10	64QAM	50	0	17.22	17.16	17.25			
10	256QAM	1	0	17.38	17.52	17.17			
10	256QAM	1	25	17.12	17.21	17.09	18.7	0	
10	256QAM	1	48	17.28	17.42	17.22			
10	256QAM	25	0	17.22	17.40	17.22	18.7	0	
10	256QAM	25	12	17.22	17.40	17.22			
10	256QAM	25	25	17.14	17.35	17.24			
10	256QAM	50	0	17.31	17.45	17.35			
Channel									
Frequency (MHz)									
5	QPSK	1	0	17.49	17.63	21.60			
5	QPSK	1	12	17.41	17.54	17.32	18.7	0	
5	QPSK	24	12	17.35	17.35	17.42			
5	QPSK	24	36	17.30	17.49	17.51			
5	QPSK	12	7	17.24	17.53	17.39	18.7	0	
5	QPSK	12	13	17.29	17.40	17.49			
5	QPSK	288	0	17.30	17.49	17.57			
5	16QAM	1	0	17.27	17.41	17.15	18.7	0	
5	16QAM	1	12	17.15	17.24	17.03			
5	16QAM	1	24	17.03	17.43	17.40			
5	16QAM	12	0	17.15	17.34	17.02	18.7	0	
5	16QAM	12	7	17.12	17.28	17.37			
5	16QAM	12	13	17.18	17.38	17.28	18.7	0	
5	16QAM	25	0	17.09	17.38	17.31			
5	64QAM	1	0	17.31	17.28	17.35			
5	64QAM	1	12	17.25	17.10	17.09	18.7	0	
5	64QAM	1	24	17.14	17.14	17.07			
5	64QAM	12	0	17.38	17.41	17.38			
5	64QAM	12	7	17.06	17.44	17.30	18.7	0	
5	64QAM	12	13	17.01	17.47	17.33			
5	64QAM	25	0	17.28	17.14	17.26			
5	256QAM	1	0	17.33	17.50	17.11			
5	256QAM	1	12	17.12	17.33	17.14	18.7	0	
5	256QAM	1	24	17.28	17.42	17.22			
5	256QAM	12	0	17.28	17.37	17.31			
5	256QAM	12	7	17.28	17.34	17.19	18.7	0	
5	256QAM	12	13	17.14	17.37	17.26			
5	256QAM	25	0	17.24	17.13	17.22			

Band 12 Ant0												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Med Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dB)	MPE (dB)				
Channel												
Frequency (MHz)				704	707.5	711						
10	QPSK	1	0	23.18	23.27	23.21		24	0			
10	QPSK	1	25	23.03	23.18	23.08						
10	QPSK	1	49	23.02	23.08	22.99						
10	QPSK	25	0	22.00	22.15	22.00						
10	QPSK	25	12	22.02	22.11	22.04		23	1			
10	QPSK	25	25	22.01	22.08	21.94						
10	QPSK	50	0	22.08	22.14	22.09						
10	HQAM	15	0	22.15	22.21	22.12						
10	HQAM	1	25	22.08	22.17	22.08		23	1			
10	HQAM	1	49	22.03	22.07	21.94						
10	HQAM	25	0	20.98	21.16	21.05						
10	HQAM	25	12	21.07	21.13	21.05						
10	HQAM	25	25	21.04	21.04	20.95		22	2			
10	HQAM	50	0	21.05	21.11	21.10						
10	HQAM	1	0	21.17	21.14	21.16						
10	HQAM	1	25	21.04	21.11	20.96						
10	HQAM	1	49	20.99	21.02	20.99		21	3			
10	HQAM	25	0	20.00	20.05	19.92						
10	HQAM	25	12	19.97	20.12	20.05						
10	HQAM	25	25	20.01	20.05	19.95						
10	HQAM	50	0	19.99	20.14	20.02		19	5			
10	HQAM	1	25	18.12	18.16	18.10						
10	HQAM	1	25	17.95	18.08	18.04						
10	HQAM	1	49	18.00	18.14	18.04						
10	HQAM	25	0	18.02	18.14	18.04		19	5			
10	HQAM	25	12	17.99	18.16	18.02						
10	HQAM	25	25	18.00	18.03	18.00						
10	HQAM	50	0	18.12	18.17	18.10						
Channel												
Frequency (MHz)				705.5	707.5	713.5	Turn-up limit (dB)	MPE (dB)				
5	QPSK	1	0	23.08	23.15	23.11		24	0			
5	QPSK	1	12	22.92	23.11	22.99						
5	QPSK	1	24	22.96	22.99	22.95						
5	QPSK	12	0	21.03	22.10	21.94						
5	QPSK	12	7	21.03	21.08	21.02		23	1			
5	QPSK	12	13	21.03	21.06	21.02						
5	QPSK	25	0	22.00	22.03	22.00						
5	HQAM	1	0	22.09	22.16	21.98						
5	HQAM	1	12	22.02	22.13	22.01		23	1			
5	HQAM	1	24	21.96	22.05	21.91						
5	HQAM	12	0	20.85	21.01	21.00						
5	HQAM	12	7	21.01	21.08	20.98						
5	HQAM	12	13	20.96	21.04	20.95		22	2			
5	HQAM	25	0	20.93	21.06	21.00						
5	HQAM	1	0	21.04	21.04	21.03						
5	HQAM	1	12	21.06	21.09	21.03						
5	HQAM	1	24	20.97	20.94	20.95		21	3			
5	HQAM	12	0	19.89	20.01	19.88						
5	HQAM	12	7	19.85	19.91	19.81						
5	HQAM	12	13	19.95	19.94	19.91						
5	HQAM	25	0	19.87	20.07	19.96		19	5			
5	HQAM	1	12	17.80	18.04	17.90						
5	HQAM	1	24	17.88	17.97	17.89						
5	HQAM	12	0	17.87	18.05	17.86						
5	HQAM	12	7	17.88	18.03	17.93		19	5			
5	HQAM	12	13	17.92	17.85	17.86						
5	HQAM	25	0	18.02	18.08	18.05						
Channel												
Frequency (MHz)				706.5	707.5	714.5	Turn-up limit (dB)	MPE (dB)				
3	QPSK	1	0	23.08	23.19	23.08		24	0			
3	QPSK	1	8	22.97	23.11	22.94						
3	QPSK	1	14	22.90	23.00	22.98						
3	QPSK	8	0	21.88	22.12	21.94						
3	QPSK	8	4	21.94	21.99	21.90		23	1			
3	QPSK	8	7	21.88	21.94	21.87						
3	HQAM	1	0	22.01	22.02	22.01						
3	HQAM	1	0	22.09	22.10	22.08						
3	HQAM	1	8	21.98	22.14	21.98		23	1			
3	HQAM	1	14	21.97	21.94	21.95						
3	HQAM	8	0	20.94	21.08	20.95						
3	HQAM	8	4	21.03	21.02	21.00						
3	HQAM	8	7	20.96	20.91	20.92		22	2			
3	HQAM	15	0	20.90	21.01	20.97						
3	HQAM	1	0	21.03	21.07	21.07						
3	HQAM	8	8	21.01	20.98	20.97						
3	HQAM	1	14	20.93	20.90	20.91		21	3			
3	HQAM	8	0	19.94	19.99	19.97						
3	HQAM	8	4	19.89	20.05	19.94						
3	HQAM	8	7	19.89	19.99	19.82						
3	HQAM	15	0	19.94	20.07	19.90		19	5			
3	HQAM	1	0	18.04	18.04	18.00						
3	HQAM	1	8	17.89	17.99	17.89						
3	HQAM	1	14	17.88	17.98	17.86						
3	HQAM	8	0	17.87	18.05	17.90		19	5			
3	HQAM	8	4	17.91	18.09	17.88						
3	HQAM	8	7	17.94	17.90	17.85						
3	HQAM	15	0	18.01	18.07	18.07						
Channel												
Frequency (MHz)				706.7	707.5	716.3	Turn-up limit (dB)	MPE (dB)				
1.4	QPSK	1	0	23.12	23.09	23.08		24	0			
1.4	QPSK	1	3	22.99	23.10	22.98						
1.4	QPSK	1	5	22.94	22.94	22.92						
1.4	QPSK	3	0	22.91	23.07	22.95						
1.4	QPSK	3	1	22.90	23.00	22.94		23	1			
1.4	QPSK	3	3	22.91	23.01	22.81						
1.4	QPSK	8	0	21.09	22.08	22.04						
1.4	HQAM	1	0	22.10	22.16	22.08						
1.4	HQAM	1	3	22.03	22.05	22.02		23	1			
1.4	HQAM	1	5	21.91	22.02	21.89						
1.4	HQAM	3	0	21.85	22.02	22.01						
1.4	HQAM	3	1	21.98	22.04	21.95						
1.4	HQAM	3	3	22.00	22.01	21.84		22	2			
1.4	HQAM	8	0	20.95	21.06	20.95						
1.4	HQAM	1	0	21.09	21.08	21.05						
1.4	HQAM	1	3	20.99	21.05	20.91						
1.4	HQAM	1	5	20.90	20.95	20.85		22	2			
1.4	HQAM	3	0	20.89	20.97	20.89						
1.4	HQAM	3	1	20.85	21.04	21.01						
1.4	HQAM	3	3	20.89	20.97	20.89						
1.4	HQAM	8	0	19.96	20.01	19.91		21	3			
1.4	HQAM	1	0	18.05	18.07	18.11						
1.4	HQAM	1	3	17.85	17.99	17.82						
1.4	HQAM	1	5	17.87	17.96	17.86						
1.4	HQAM	3	0	17.82	18.10	17.86		19	5			
1.4	HQAM	3	1	17.84	18.11	17.90						
1.4	HQAM	3	3	17.83	17.89	17.94						
1.4	HQAM	5	0	18.03	18.00	17.99						

Band 13 Ant0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Med Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dB)	MPE (dB)		
Channel										
Frequency (MHz)				702						
10	QPSK	1	0	23.09			24	0		
10	QPSK	1	25	23.07						
10	QPSK	1	49	23.01						
10	QPSK	25	0	23.13			23	1		
10	QPSK	25	12	23.08						
10	QPSK	25	25	23.06						
10	QPSK	50	0	23.17			23	1		
10	QPSK	50	1	23.26						
10	QPSK	50	25	23.19						
10	QPSK	1	49	23.02			22	2		
10	QPSK	25	25	23.06						
10	QPSK	50	0	23.19						
10	QPSK	25	25	23.07			22	2		
10	QPSK	50	0	23.13						
10	QPSK	50	25	23.09						
10	QPSK	1	25	23.06			22	2		
10	QPSK	1	49	23.01						
10	QPSK	1	73	22.95						
10	QPSK	25	12	23.05			21	3		
10	QPSK	25	25	23.08						
10	QPSK	25	37	23.05						
10	QPSK	1	25	23.11			19	5		
10	QPSK	1	49	23.06						
10	QPSK	1	73	22.98						
10	QPSK	25	0	23.08			19	5		
10	QPSK	25	12	23.12						
10	QPSK	25	25	23.16						
10	QPSK	50	0	23.13			19	5		
10	QPSK	50	1	23.26						
10	QPSK	50	25	23.19						
Frequency (MHz)				779.5	782	784.5	Turn-up limit (dB)	MPE (dB)		
5	QPSK	1	0	22.92	23.05	23.91	24	0		
5	QPSK	1	12	22.84	23.08	23.92				
5	QPSK	1	24	22.83	23.03	23.88				
5	QPSK	12	0	23.09	23.06	23.02	23	1		
5	QPSK	12	7	23.84	23.02	23.01				
5	QPSK	12	14	23.02	23.02	23.02				
5	QPSK	25	0	23.14	23.05	23.00	23	1		
5	QPSK	25	1	23.87	23.01	23.91				
5	QPSK	25	1	23.86	23.08	23.75				
5	QPSK	1	24	23.05	23.88	23.87	23	1		
5	QPSK	12	0	23.97	23.95	23.96				
5	QPSK	12	7	23.95	23.95	23.95				
5	QPSK	12	14	23.72	23.92	23.89	22	2		
5	QPSK	25	0	23.95	23.93	23.97				
5	QPSK	25	1	23.96	23.93	23.93				
5	QPSK	1	12	23.76	23.91	23.83	22	2		
5	QPSK	1	24	23.93	23.97	23.91				
5	QPSK	1	48	23.93	23.90	23.88				
5	QPSK	12	7	19.95	19.91	19.91	21	3		
5	QPSK	12	13	19.75	19.91	19.78				
5	QPSK	12	14	19.83	19.86	19.82				
5	25QAM	1	0	17.86	18.00	17.79	19	5		
5	25QAM	1	12	18.01	18.08	17.89				
5	25QAM	1	24	17.77	17.82	17.86				
5	25QAM	12	0	17.90	17.94	17.87	19	5		
5	25QAM	12	7	17.92	18.00	17.89				
5	25QAM	12	14	17.91	18.05	17.88				
5	25QAM	25	0	18.04	18.16	18.10	19	5		
5	25QAM	25	1	18.04	18.16	18.10				
5	25QAM	25	25	18.04	18.16	18.10				



Band 25 Ant0														
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up time (sec)	MPR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	16.24	16.30	16.08	17.4	0						
20	QPSK	1	49	15.97	16.17	15.89								
20	QPSK	1	99	15.81	15.99	15.94								
20	QPSK	50	0	16.03	16.18	15.88								
20	QPSK	50	24	15.88	15.88	15.91	17.4	0						
20	QPSK	50	50	16.03	16.14	16.04								
20	QPSK	100	0	15.98	16.08	15.97								
20	16QAM	100	0	15.91	16.09	15.97								
20	16QAM	1	49	15.78	15.97	15.76	17.4	0						
20	16QAM	1	99	15.79	15.77	15.83								
20	16QAM	50	0	15.95	16.05	15.95								
20	16QAM	50	24	15.75	15.85	15.81								
20	16QAM	50	50	15.99	16.01	15.96	17.4	0						
20	16QAM	100	0	15.86	15.99	15.83								
20	64QAM	1	0	16.01	16.06	15.99								
20	64QAM	1	49	15.83	15.98	15.87								
20	64QAM	50	0	15.94	16.11	15.87	17.4	0						
20	64QAM	50	24	15.84	15.91	15.71								
20	64QAM	50	50	15.83	16.15	15.59								
20	64QAM	100	0	15.79	15.87	15.88								
20	256QAM	1	49	15.92	15.98	15.82	17.4	0						
20	256QAM	1	99	15.68	15.89	15.94								
20	256QAM	50	0	15.79	15.87	15.88								
20	256QAM	50	24	15.84	15.91	15.71								
20	256QAM	50	50	16.01	16.06	15.97	17.4	0						
20	256QAM	100	0	15.85	15.95	15.75								
Channel														
Frequency (MHz)														
16	QPSK	1	0	15.85	16.08	16.03	17.4	0						
16	QPSK	1	37	15.85	16.08	15.84								
16	QPSK	1	74	15.75	15.93	15.76								
16	QPSK	36	0	15.94	16.02	15.87								
16	QPSK	36	25	15.83	15.81	15.79	17.4	0						
16	QPSK	36	39	15.83	15.95	15.97								
16	QPSK	75	0	15.83	16.01	15.79								
16	16QAM	1	0	15.89	15.95	15.81								
16	16QAM	1	37	15.84	15.91	15.61	17.4	0						
16	16QAM	1	74	15.89	16.05	15.84								
16	16QAM	36	0	15.92	15.98	15.94								
16	16QAM	36	25	15.94	15.90	15.89								
16	16QAM	75	0	15.82	15.89	15.71	17.4	0						
16	64QAM	1	0	15.79	15.86	15.79								
16	64QAM	1	37	15.81	15.89	15.84								
16	64QAM	1	74	15.81	16.15	15.87								
16	64QAM	36	0	15.77	15.92	15.80	17.4	0						
16	64QAM	36	25	15.70	15.75	15.76								
16	64QAM	36	39	15.82	15.92	15.95								
16	64QAM	75	0	15.62	15.92	15.95								
16	256QAM	1	0	15.83	16.08	15.74	17.4	0						
16	256QAM	1	37	15.73	15.92	15.95								
16	256QAM	1	74	15.81	15.91	15.86								
16	256QAM	36	0	15.72	15.84	15.86								
16	256QAM	36	25	15.71	15.91	15.84	17.4	0						
16	256QAM	36	39	15.82	15.97	15.92								
16	256QAM	75	0	15.78	15.78	15.78								
Channel														
Frequency (MHz)														
20	QPSK	1	0	16.09	16.09	16.09	17.4	0						
20	QPSK	1	25	15.94	16.08	15.74								
20	QPSK	1	49	16.01	15.84	15.82								
20	QPSK	36	0	15.84	15.84	15.84								
20	QPSK	36	25	15.70	15.97	15.74	17.4	0						
20	QPSK	25	12	15.70	15.97	15.74								
20	QPSK	25	25	15.95	15.93	15.94								
20	QPSK	75	0	15.85	16.16	15.81								
20	16QAM	1	0	15.89	16.01	15.82	17.4	0						
20	16QAM	1	25	15.86	15.79	15.59								
20	16QAM	1	49	15.86	16.16	15.81								
20	16QAM	25	0	15.82	15.83	15.79								
20	16QAM	25	12	15.72	15.72	15.75	17.4	0						
20	16QAM	25	12	15.82	15.82	15.79								
20	16QAM	50	0	15.74	15.81	15.75								
20	16QAM	50	0	16.02	15.91	15.83								
20	64QAM	1	24	15.68	15.70	15.67	17.4	0						
20	64QAM	1	49	15.58	15.70	15.67								
20	64QAM	25	0	15.84	16.02	15.75								
20	64QAM	25	12	15.75	15.88	15.81								
20	64QAM	25	25	15.93	15.78	15.81	17.4	0						
20	64QAM	50	0	15.65	15.74	15.75								
20	256QAM	1	24	15.68	15.70	15.67								
20	256QAM	1	25	15.68	15.99	15.81								
20	256QAM	1	49	15.85	16.16	15.81	17.4	0						
20	256QAM	25	0	15.80	15.87	15.89								
20	256QAM	25	12	15.78	15.78	15.83								
20	256QAM	25	25	15.90	16.00	15.80								
20	256QAM	75	0	15.96	15.82	15.85	17.4	0						
Channel														
Frequency (MHz)														
20	QPSK	1	0	16.04	16.04	16.04	17.4	0						
20	QPSK	1	12	15.69	15.95	15.79								
20	QPSK	1	24	15.92	15.88	15.86								
20	QPSK	12	0	15.80	15.88	15.80								
20	QPSK	12	7	15.84	15.85	15.75	17.4	0						
20	QPSK	12	13	15.96	16.08	15.92								
20	QPSK	25	0	15.83	15.95	15.82								
20	16QAM	1	0	15.78	15.91	15.88								
20	16QAM	1	12	15.68	15.97	15.59	17.4	0						
20	16QAM	1	24	15.69	15.73	15.75								
20	16QAM	12	0	15.77	16.04	15.83								
20	16QAM	12	7	15.62	15.84	15.75								
20	16QAM	12	13	15.85	15.98	15.84	17.4	0						
20	16QAM	25	0	15.71	15.87	15.80								
20	64QAM	1	0	15.83	15.87	15.78								
20	64QAM	1	12	15.71	15.84	15.81								
20	64QAM	1	24	15.42	15.73	15.78	17.4	0						
20	64QAM	12	0	15.84	16.03	15.69								
20	64QAM	12	7	15.68	15.69	15.69								
20	64QAM	12	13	15.77	16.08	15.86								
20	64QAM	25	0	15.58	15.88	15.86	17.4	0						
20	64QAM	25	0	15.62	16.07	15.87								
20	256QAM	1	0	15.77	15.97	15.87								
20	256QAM	1	12	15.59	15.74	15.75								
20	256QAM	12	0	15.59	15.74	15.75	17.4	0						
Channel														
Frequency (MHz)														
20	QPSK	1	0	16.04	16.04	16.04	17.4	0						
20	QPSK	1	12	15.69	15.95	15.79								
20	QPSK	1	24	15.92	15.88	15.86								
20	QPSK	12	0	15.80	15.88	15.80								
20	QPSK	12	7	15.84	15.85	15.75	17.4	0						
20	QPSK	12	13	15.96	16.08	15.92								
20	QPSK	25	0	15.83	15.95	15.82								
20	16QAM	1	0	15.91	15.99	15.79								
20	16QAM	1	12	15.73	15.84	15.78	17.4	0						
20	16QAM	1	24	15.73	15.84	15.83								
20	16QAM	12	0	15.78	16.05	15.85								
20	16QAM	12	7	15.64	15.76	15.82								
20	16QAM	12	13	15.78	15.98	15.87	17.4	0						
20	16QAM	25	0	15.67	15.87	15.87								
20	64QAM	1	0	15.95	15.95	15.95								
20	64QAM	1	12	15.71	15.84	15.81								
20	64QAM	1	24	15.65	15.78	15.77	17.4	0						
20	64QAM	12	0	15.83	16.03	15.69								
20	64QAM	12	7	15.79	15.85	15.85								
20	64QAM	12	13	15.89	16.18	15.88								
20	64QAM	25	0	15.69	15.71	15.68	17.4	0						
20	64QAM	25	0	15.72	15.84	15.84								
20	64QAM	25	12	15.71	15.80	15.78								
20	64QAM	25	25	15.92	15.82	15.82								
20	256QAM	1	0	15.70	15.94	15.72	17.4	0						
20	256QAM	1	12	15.59	15.74	15.75								
20	256QAM	1	24	15.92	15.88	15.87								
20	256QAM	12	0	15.70	15.84	15.84								
20	256QAM	12	14	15.81	15.94	15.77	17.4	0						
20	256QAM	25	0	15.77	16.02	15.88								
20	256QAM	25	12	15.81	15.79	15.84								
20	256QAM	25	25	15.80	15.95	15.81								
20	256QAM	75	0	15.86	15.87	15.85	17.4	0						
Channel														
Frequency (MHz)														
3	QPSK	1	0	16.83	16.81	16.81	17.4	0						
3	QPSK	1	8	15.81	16.02	15.75								
3	QPSK	1	16	15.80	16.02	15.75								
3	QPSK	8	0	15.98	16.15	15.86								
3	QPSK	8	4	15.86	15.88	15.80	17.4	0						
3	QPSK	8	8	15.79	15.83	15.79								
3	QPSK	16	0	15.91	15.99	15.79								
3	16QAM	1	0	15.73	15.84	15.78								
3	16QAM	1	8	15.78	15.83	15.78	17.4	0						
3	16QAM	1	16	15.74	15.83	15.78								
3	16QAM	8	0	15.84	15.95	15.82								
3	16QAM	8	4	15.78	15.78	15.82								
3	16QAM	1	14	15.78	15.65	15.69	17.4	0						
3	16QAM	1	16	15.78	15.65	15.69								
3	16QAM	8	0	15.84	15.95	15.82								
3	16QAM	8	4	15.78	15.78	15.82								
3	16QAM	8	8	15.74	15.75	15.82	17.4	0						
3	16QAM	16	0	15.91	15.99	15.79								
3	64QAM	1	0	15.83	15.75	15.67								
3	64QAM	1	8	15.74	15.69	15.71								



Band 38 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	19.67	19.70	19.87	20.8	0	
20	QPSK	1	40	19.47	19.48	19.58			
20	QPSK	1	80	19.28	19.40	19.67			
20	QPSK	50	0	19.69	19.69	19.67	20.8	0	
20	QPSK	50	24	19.57	19.57	19.57			
20	QPSK	50	50	19.51	19.51	19.50			
20	QPSK	100	0	19.48	19.50	19.58	20.8	0	
20	HQAM	1	0	19.52	19.58	19.66			
20	HQAM	1	40	19.37	19.42	19.56			
20	HQAM	1	80	19.27	19.30	19.54	20.8	0	
20	HQAM	50	24	19.58	19.58	19.51			
20	HQAM	50	50	19.44	19.59	19.49			
20	HQAM	100	0	19.38	19.42	19.53	20.8	0	
20	HQAM	50	50	19.46	19.40	19.49			
20	HQAM	1	0	19.55	19.45	19.53			
20	HQAM	1	40	19.41	19.45	19.45	20.8	0	
20	HQAM	1	80	19.25	19.30	19.52			
20	HQAM	50	0	19.58	19.55	19.49			
20	HQAM	50	24	19.48	19.41	19.53	20.8	0	
20	HQAM	50	50	19.46	19.40	19.49			
20	HQAM	100	0	19.33	19.38	19.53			
20	256QAM	1	0	17.88	18.11	18.14	19.2	1.6	
20	256QAM	1	40	17.82	17.86	17.90			
20	256QAM	1	80	17.58	17.69	18.14			
20	256QAM	50	0	17.91	17.97	18.07	19.2	1.6	
20	256QAM	50	24	18.04	18.09	18.08			
20	256QAM	50	50	17.87	18.02	17.85			
20	256QAM	100	0	17.80	17.81	17.86	19.2	1.6	
Channel									
Frequency (MHz)									
15	QPSK	1	0	19.57	19.60	19.73	20.8	0	
15	QPSK	1	37	19.39	19.62	19.51			
15	QPSK	1	74	19.46	19.67	19.49			
15	QPSK	36	0	19.59	19.46	19.48	20.8	0	
15	QPSK	36	20	19.45	19.45	19.48			
15	QPSK	36	36	19.49	19.49	19.48			
15	QPSK	75	0	19.35	19.47	19.47	20.8	0	
15	HQAM	1	0	19.38	19.39	19.58			
15	HQAM	1	37	19.33	19.42	19.48			
15	HQAM	1	74	19.47	19.58	19.38	20.8	0	
15	HQAM	36	0	19.60	19.53	19.49			
15	HQAM	36	20	19.25	19.45	19.32			
15	HQAM	36	36	19.23	19.60	19.31	20.8	0	
15	HQAM	75	0	19.30	19.42	19.42			
15	HQAM	1	0	19.44	19.38	19.58			
15	HQAM	1	37	19.42	19.30	19.38	20.8	0	
15	HQAM	1	74	19.52	19.45	19.37			
15	HQAM	36	0	19.38	19.44	19.38			
15	HQAM	36	20	19.38	19.39	19.34	20.8	0	
15	HQAM	36	36	19.42	19.42	19.42			
15	HQAM	75	0	19.24	19.34	19.43			
15	256QAM	1	0	17.83	17.99	17.83	19.2	1.6	
15	256QAM	1	37	17.76	17.77	17.74			
15	256QAM	1	74	17.78	17.85	18.03			
15	256QAM	36	0	18.01	17.75	17.92	19.2	1.6	
15	256QAM	36	20	17.81	18.01	17.86			
15	256QAM	36	36	17.80	17.98	17.83			
15	256QAM	75	0	17.81	17.81	17.79	19.2	1.6	
Channel									
Frequency (MHz)									
10	QPSK	1	0	19.38	19.40	19.57	20.8	0	
10	QPSK	1	25	19.35	19.60	19.57			
10	QPSK	1	49	19.45	19.63	19.48			
10	QPSK	25	0	19.58	19.65	19.62	20.8	0	
10	QPSK	25	12	19.43	19.47	19.58			
10	QPSK	25	25	19.44	19.49	19.48			
10	QPSK	50	0	19.38	19.45	19.59	20.8	0	
10	HQAM	1	0	19.37	19.53	19.53			
10	HQAM	1	25	19.38	19.48	19.50			
10	HQAM	1	49	19.52	19.35	19.41	20.8	0	
10	HQAM	25	0	19.42	19.58	19.51			
10	HQAM	25	12	19.52	19.46	19.36			
10	HQAM	25	25	19.42	19.45	19.36	20.8	0	
10	HQAM	50	0	19.17	19.40	19.32			
10	HQAM	1	0	19.34	19.28	19.43	20.8	0	
10	HQAM	1	25	19.38	19.48	19.50			
10	HQAM	1	49	19.45	19.60	19.35			
10	HQAM	25	0	19.44	19.37	19.40	20.8	0	
10	HQAM	25	12	19.37	19.23	19.48			
10	HQAM	25	25	19.31	19.46	19.40			
10	HQAM	50	0	19.32	19.20	19.47	20.8	0	
10	256QAM	1	0	17.82	17.97	18.06			
10	256QAM	1	25	17.86	17.74	17.82	19.2	1.6	
10	256QAM	1	49	17.75	17.88	17.97			
10	256QAM	25	0	17.85	17.75	17.83	19.2	1.6	
10	256QAM	25	12	17.88	17.69	17.86			
10	256QAM	25	25	17.70	17.85	17.81			
10	256QAM	50	0	17.80	17.80	17.84	19.2	1.6	
Channel									
Frequency (MHz)									
5	QPSK	1	0	19.63	19.68	19.58	20.8	0	
5	QPSK	1	12	19.46	19.67	19.50			
5	QPSK	1	24	19.48	19.58	19.61			
5	QPSK	12	0	19.57	19.68	19.57	20.8	0	
5	QPSK	12	7	19.44	19.57	19.47			
5	QPSK	12	13	19.50	19.53	19.64			
5	QPSK	25	0	19.28	19.46	19.44	20.8	0	
5	HQAM	1	0	19.35	19.44	19.50			
5	HQAM	1	12	19.31	19.40	19.47			
5	HQAM	1	24	19.31	19.37	19.43	20.8	0	
5	HQAM	12	0	19.55	19.50	19.38			
5	HQAM	12	7	19.28	19.46	19.28			
5	HQAM	12	13	19.44	19.37	19.45	20.8	0	
5	HQAM	25	0	19.34	19.26	19.41			
5	HQAM	1	0	19.48	19.31	19.63			
5	HQAM	1	12	19.41	19.38	19.33	20.8	0	
5	HQAM	1	24	19.60	19.49	19.45			
5	HQAM	12	0	19.58	19.46	19.36			
5	HQAM	12	7	19.34	19.25	19.47	20.8	0	
5	HQAM	12	13	19.36	19.52	19.42			
5	HQAM	25	0	19.31	19.17	19.42			
5	256QAM	1	0	17.82	17.84	18.07	19.2	1.6	
5	256QAM	1	12	17.76	17.85	17.71			
5	256QAM	1	24	17.88	17.82	17.88			
5	256QAM	12	0	17.87	17.97	17.88	19.2	1.6	
5	256QAM	12	13	17.80	17.86	17.73			
5	256QAM	25	0	17.82	17.81	17.85			

Band 38 HPUE Ant0												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	21.74	21.78	21.70	22.4	0				
20	QPSK	1	49	21.69	21.68	21.71						
20	QPSK	50	0	21.57	21.67	21.73						
20	QPSK	50	24	21.64	21.60	21.62	22.4	0				
20	QPSK	100	0	21.57	21.77	21.60						
20	QPSK	100	0	21.61	21.63	21.62						
20	16QAM	1	0	21.61	21.63	21.67	22.4	0				
20	16QAM	1	49	21.58	21.58	21.63						
20	16QAM	1	99	21.42	21.68	21.68						
20	16QAM	50	0	21.40	21.77	21.42	22.4	0				
20	16QAM	50	24	21.54	21.64	21.58						
20	16QAM	50	50	21.52	21.70	21.53						
20	16QAM	100	0	21.62	21.63	21.68	22.4	0				
20	16QAM	100	0	21.76	21.64	21.58						
20	16QAM	100	0	21.65	21.64	21.68						
20	64QAM	1	49	21.65	21.64	21.68	22.4	0				
20	64QAM	1	99	21.58	21.68	21.68						
20	64QAM	50	0	21.45	21.72	21.43						
20	64QAM	50	24	21.66	21.59	21.63	22.4	0				
20	64QAM	50	50	21.57	21.60	21.58						
20	64QAM	100	0	21.54	21.58	21.44						
20	64QAM	100	0	21.43	21.57	21.34	22	0.4				
20	256QAM	1	49	21.63	21.62	21.60						
20	256QAM	1	99	21.09	21.50	21.20						
20	256QAM	1	99	21.09	21.50	21.20	22	0.4				
20	256QAM	50	24	21.28	21.19	21.25						
20	256QAM	50	50	21.23	21.30	21.25						
20	256QAM	100	0	21.21	21.31	21.18	Tune-up Int. (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
15	QPSK	1	0	21.73	21.68	21.73	22.4	0				
15	QPSK	1	37	21.63	21.67	21.67						
15	QPSK	1	74	21.42	21.68	21.62						
15	QPSK	1	74	21.42	21.68	21.62	22.4	0				
15	QPSK	36	20	21.62	21.44	21.58						
15	QPSK	36	20	21.62	21.44	21.58						
15	QPSK	75	0	21.62	21.62	21.65	22.4	0				
15	QPSK	75	0	21.40	21.44	21.54						
15	16QAM	1	0	21.63	21.60	21.48						
15	16QAM	1	37	21.54	21.67	21.58	22.4	0				
15	16QAM	1	74	21.41	21.65	21.50						
15	16QAM	36	0	21.30	21.30	21.31						
15	16QAM	36	0	21.53	21.33	21.38	22.4	0				
15	16QAM	36	39	21.50	21.53	21.24						
15	16QAM	75	0	21.52	21.52	21.57						
15	64QAM	1	0	21.77	21.41	21.30	22	0.4				
15	64QAM	1	37	21.58	21.57	21.58						
15	64QAM	1	74	21.42	21.68	21.59						
15	64QAM	36	0	21.40	21.69	21.34	22.4	0				
15	64QAM	36	20	21.51	21.36	21.40						
15	64QAM	75	0	21.43	21.36	21.29						
15	256QAM	1	0	21.58	21.38	21.28	22	0.4				
15	256QAM	1	37	21.02	21.33	21.21						
15	256QAM	1	74	21.08	20.58	21.21						
15	256QAM	1	74	21.08	20.58	21.28	22	0.4				
15	256QAM	36	20	21.27	21.02	21.07						
15	256QAM	36	39	21.16	21.14	21.06						
15	256QAM	75	0	21.18	21.14	21.10	Tune-up Int. (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0	21.60	21.69	21.54	22.4	0				
10	QPSK	1	25	21.62	21.50	21.54						
10	QPSK	1	50	21.62	21.50	21.62						
10	QPSK	25	0	21.49	21.76	21.30	22.4	0				
10	QPSK	25	12	21.47	21.61	21.61						
10	QPSK	25	12	21.47	21.61	21.61						
10	QPSK	50	0	21.51	21.62	21.43	22	0				
10	QPSK	50	0	21.51	21.62	21.47						
10	16QAM	1	0	21.45	21.61	21.52						
10	16QAM	1	25	21.59	21.68	21.62	22.4	0				
10	16QAM	1	49	21.23	21.52	21.46						
10	16QAM	25	0	21.21	21.56	21.22						
10	16QAM	25	12	21.59	21.36	21.26	22.4	0				
10	16QAM	25	12	21.59	21.36	21.26						
10	16QAM	50	0	21.56	21.49	21.27						
10	64QAM	1	0	21.34	21.51	21.20	22	0.4				
10	64QAM	1	25	21.05	21.24	21.33						
10	256QAM	1	49	20.92	21.04	21.05						
10	256QAM	1	49	20.92	21.04	21.05	22	0.4				
10	256QAM	25	12	21.28	21.04	21.21						
10	256QAM	25	12	21.28	21.04	21.21						
10	256QAM	25	25	21.10	21.09	21.01	Tune-up Int. (dBm)	MPR (dB)				
10	256QAM	50	0	21.29	21.29	21.14						
Channel												
Frequency (MHz)												
5	QPSK	1	0	21.58	21.73	21.71	22.4	0				
5	QPSK	1	12	21.67	21.65	21.68						
5	QPSK	1	24	21.63	21.63	21.58						
5	QPSK	12	0	21.37	21.74	21.62	22.4	0				
5	QPSK	12	7	21.44	21.53	21.67						
5	QPSK	12	14	21.43	21.49	21.46						
5	QPSK	25	0	21.43	21.52	21.33	22.4	0				
5	16QAM	1	0	21.54	21.61	21.53						
5	16QAM	1	12	21.73	21.58	21.63						
5	16QAM	1	24	21.25	21.65	21.49	22.4	0				
5	16QAM	12	7	21.37	21.34	21.48						
5	16QAM	12	7	21.37	21.34	21.48						
5	16QAM	12	13	21.40	21.63	21.52	22.4	0				
5	64QAM	1	0	21.51	21.26	21.47						
5	64QAM	1	0	21.59	21.43	21.34						
5	64QAM	12	0	21.36	21.53	21.44	22	0				
5	64QAM	12	12	21.60	21.61	21.57						
5	64QAM	12	13	21.43	21.58	21.61						
5	64QAM	25	0	21.45	21.34	21.42	22	0.4				
5	256QAM	1	12	21.34	21.29	21.46						
5	256QAM	1	12	21.01	21.05	21.22						
5	256QAM	1	24	20.91	21.03	21.07	22	0.4				
5	256QAM	12	7	21.17	21.08	21.14						
5	256QAM	12	7	21.20	21.19	21.20						
5	256QAM	12	13	21.16	21.25	21.08	22	0.4				
5	256QAM	25	0	21.29	21.29	21.14						
5	256QAM	25	0	21.29	21.29	21.14						

Band 41 Ant0													
RW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Turn-up test (dBm)	MPR (dB)
Channel													
				39790	40188	40620	41065	41490	41915	42340	42785		
20	QPSK	1	0	19.36	19.52	19.73	19.70	19.68	19.68	19.68	19.68		
20	QPSK	1	40	19.33	19.44	19.65	19.64	19.63	19.63	19.63	19.63	20.8	0
20	QPSK	1	80	19.33	19.45	19.64	19.64	19.67	19.67	19.67	19.67		
20	QPSK	50	0	19.24	19.51	19.68	19.58	19.47	19.47	19.47	19.47		
20	QPSK	50	24	19.26	19.44	19.65	19.61	19.46	19.46	19.46	19.46	20.8	0
20	QPSK	50	48	19.30	19.37	19.55	19.51	19.43	19.43	19.43	19.43		
20	QPSK	100	0	19.37	19.52	19.68	19.56	19.47	19.47	19.47	19.47		
20	16QAM	1	0	19.37	19.47	19.60	19.59	19.52	19.52	19.52	19.52	20.8	0
20	16QAM	1	40	19.29	19.40	19.49	19.51	19.41	19.41	19.41	19.41		
20	16QAM	1	80	19.22	19.38	19.55	19.31	19.67	19.67	19.67	19.67		
20	16QAM	50	0	19.17	19.32	19.63	19.56	19.50	19.50	19.50	19.50	20.8	0
20	16QAM	50	24	19.31	19.20	19.49	19.55	19.50	19.50	19.50	19.50		
20	16QAM	50	50	19.20	19.31	19.61	19.38	19.64	19.64	19.64	19.64		
20	16QAM	100	0	19.22	19.37	19.67	19.36	19.60	19.60	19.60	19.60	20.8	0
20	16QAM	1	0	19.15	19.24	19.55	19.55	19.55	19.55	19.55	19.55		
20	16QAM	1	40	19.32	19.46	19.48	19.43	19.48	19.48	19.48	19.48	20.8	0
20	16QAM	1	80	19.19	19.35	19.56	19.45	19.52	19.52	19.52	19.52		
20	16QAM	50	0	19.28	19.48	19.65	19.59	19.55	19.55	19.55	19.55	20.8	0
20	16QAM	50	24	19.34	19.50	19.68	19.59	19.49	19.49	19.49	19.49		
20	16QAM	50	50	19.19	19.37	19.51	19.43	19.44	19.44	19.44	19.44	20.8	0
20	16QAM	100	0	19.28	19.39	19.50	19.42	19.69	19.69	19.69	19.69		
20	256QAM	1	0	17.83	17.81	18.14	18.14	18.06	18.06	18.06	18.06	19	1.8
20	256QAM	1	40	17.85	17.79	18.12	18.11	18.06	18.06	18.06	18.06		
20	256QAM	1	80	17.81	17.86	17.97	17.83	17.99	17.99	17.99	17.99	22	0.4
20	256QAM	50	0	17.82	17.85	17.97	17.87	17.79	17.79	17.79	17.79		
20	256QAM	50	24	17.72	17.84	18.05	17.89	17.95	17.95	17.95	17.95	19	1.8
20	256QAM	50	50	17.62	17.79	17.88	17.81	17.89	17.89	17.89	17.89	22	0.4
20	256QAM	100	0	17.62	17.80	17.97	17.87	17.85	17.85	17.85	17.85		
Channel													
				39795	40173	40620	41066	41515	41915	42340	42785		
19	QPSK	1	0	19.34	19.25	19.62	19.33	19.43	19.43	19.43	19.43	20.80	0
19	QPSK	1	37	19.38	19.44	19.52	19.52	19.68	19.68	19.68	19.68		
19	QPSK	1	74	19.18	19.52	19.47	19.46	19.47	19.47	19.47	19.47	22.40	0
19	QPSK	36	0	19.34	19.27	19.54	19.54	19.45	19.45	19.45	19.45		
19	QPSK	36	20	19.29	19.40	19.46	19.49	19.64	19.64	19.64	19.64	22.4	0
19	QPSK	36	40	19.29	19.36	19.46	19.46	19.46	19.46	19.46	19.46		
19	QPSK	75	0	19.21	19.33	19.49	19.54	19.37	19.37	19.37	19.37	20.8	0
19	16QAM	1	0	19.31	19.40	19.56	19.59	19.54	19.54	19.54	19.54	20.8	0
19	16QAM	1	37	19.28	19.33	19.44	19.48	19.49	19.49	19.49	19.49		
19	16QAM	1	74	19.25	19.51	19.53	19.57	19.29	19.29	19.29	19.29	20.8	0
19	16QAM	36	0	19.12	19.44	19.56	19.50	19.48	19.48	19.48	19.48		
19	16QAM	36	20	19.01	19.40	19.65	19.52	19.29	19.29	19.29	19.29	20.8	0
19	16QAM	36	39	19.21	19.53	19.46	19.53	19.39	19.39	19.39	19.39		
19	16QAM	75	0	19.30	19.28	19.38	19.42	19.33	19.33	19.33	19.33	20.8	0
19	16QAM	1	0	19.20	19.40	19.65	19.52	19.48	19.48	19.48	19.48		
19	16QAM	1	37	19.18	19.37	19.55	19.31	19.57	19.57	19.57	19.57	20.8	0
19	16QAM	1	74	19.16	19.43	19.54	19.58	19.34	19.34	19.34	19.34		
19	16QAM	36	0	19.23	19.30	19.56	19.47	19.57	19.57	19.57	19.57	20.8	0
19	16QAM	36	20	19.25	19.48	19.47	19.49	19.57	19.57	19.57	19.57		
19	16QAM	36	39	19.04	19.46	19.49	19.49	19.49	19.49	19.49	19.49	20.8	0
19	16QAM	75	0	19.12	19.37	19.49	19.37	19.45	19.45	19.45	19.45		
19	256QAM	1	0	17.72	17.77	18.05	18.07	17.65	17.65	17.65	17.65	19	1.8
19	256QAM	1	37	17.71	17.66	18.14	17.87	17.60	17.60	17.60	17.60		
19	256QAM	1	74	17.72	17.80	17.98	17.89	17.59	17.59	17.59	17.59	22	0.4
19	256QAM	36	0	17.55	17.77	17.89	17.84	17.66	17.66	17.66	17.66		
19	256QAM	36	20	17.65	17.69	17.83	17.81	17.60	17.60	17.60	17.60	22	0.4
19	256QAM	36	39	17.68	17.62	17.86	17.69	17.78	17.78	17.78	17.78		
19	256QAM	75	0	17.62	17.78	17.91	17.86	17.46	17.46	17.46	17.46	22	0.4
Channel													
				39795	40173	40620	41066	41515	41915	42340	42785		
19	QPSK	1	0	19.24	19.30	19.43	19.49	19.41	19.41	19.41	19.41	20.80	0
19	QPSK	1	25	19.28	19.30	19.55	19.48	19.45	19.45	19.45	19.45		
19	QPSK	1	49	19.27	19.31	19.43	19.49	19.60	19.60	19.60	19.60		
19	QPSK	25	0	19.28	19.30	19.44	19.44	19.44	19.44	19.44	19.44	20.8	0
19	QPSK	25	12	19.20	19.36	19.39	19.39	19.39	19.39	19.39	19.39		
19	QPSK	25	25	19.13	19.39	19.47	19.38	19.38	19.38	19.38	19.38		
19	QPSK	50	0	19.20	19.32	19.57	19.36	19.46	19.46	19.46	19.46	20.8	0
19	16QAM	1	0	19.17	19.28	19.44	19.47	19.59	19.59	19.59	19.59		
19	16QAM	1	25	19.26	19.40	19.29	19.44	19.26	19.26	19.26	19.26	20.8	0
19	16QAM	1	49	19.01	19.40	19.39	19.21	19.48	19.48	19.48	19.48		
19	16QAM	25	0	19.31	19.08	19.53	19.53	19.32	19.32	19.32	19.32	20.8	0
19	16QAM	25	12	19.27	19.37	19.53	19.34	19.53	19.53	19.53	19.53		
19	16QAM	25	25	19.27	19.11	19.46	19.53	19.45	19.45	19.45	19.45	20.8	0
19	16QAM	50	0	19.32	19.28	19.38	19.42	19.53	19.53	19.53	19.53		
19	16QAM	1	0	19.29	19.44	19.34	19.41	19.53	19.53	19.53	19.53	20.8	0
19	16QAM	1	49	19.07	19.31	19.41	19.31	19.42	19.42	19.42	19.42		
19	16QAM	25	0	19.30	19.16	19.63	19.39	19.44	19.44	19.44	19.44	20.8	0
19	16QAM	25	12	19.23	19.27	19.34	19.39	19.60	19.60	19.60	19.60		
19	16QAM	25	25	19.14	19.37	19.26	19.25	19.44	19.44	19.44	19.44	20.8	0
19	16QAM	50	0	19.24	19.20	19.48	19.25	19.56	19.56	19.56	19.56		
19	256QAM	1	0	17.50	17.73	17.80	17.85	17.65	17.65	17.65	17.65	19	1.8
19	256QAM	1	25	17.46	17.67	17.80	17.76	17.56	17.56	17.56	17.56		
19	256QAM	1	49	17.58	17.58	17.82	17.80	17.63	17.63	17.63	17.63	22	0.4
19	256QAM	25	0	17.57	17.80	17.87	17.80	17.59	17.59	17.59	17.59		
19	256QAM	25	12	17.59	17.60	17.80	17.75	17.48	17.48	17.48	17.48	22	0.4
19	256QAM	25	25	17.58	17.71	17.97	17.77	17.28	17.28	17.28	17.28		
19	256QAM	50	0	17.72	17.73	17.83	17.88	17.72	17.72	17.72	17.72	22	0.4
Channel													
				39795	40173	40620	41066	41515	41915	42340	42785		
5	QPSK	1	0	19.32	19.27	19.50	19.40	19.42	19.42	19.42	19.42	20.80	0
5	QPSK	1	15	19.32	19.20	19.48	19.38	19.67	19.67	19.67	19.67		
5	QPSK	1	24	19.17	19.52	19.45	19.34	19.26	19.26	19.26	19.26	22.4	0
5	QPSK	12	0	19.16	19.42	19.46	19.40	19.30	19.30	19.30	19.30		
5	QPSK	12	7	19.21	19.22	19.53	19.32	19.51	19.51	19.51	19.51	20.8	0
5	QPSK	12	13	19.06	19.48	19.43	19.32	19.27	19.27	19.27	19.27		
5	QPSK	25	0	19.27	19.32	19.68	19.39	19.49	19.49	19.49	19.49		
5	QPSK	25	15	19.22	19.36	19.60	19.50	19.44	19.44	19.44	19.44	20.8	0
5	QPSK	25	24	19.07	19.47	19.43	19.32	19.27	19.27	19.27	19.27.		

Band 5 Ant1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up Int. (dB)	MPE (dB)		
Channel										
				825	836.5	844				
10	QPSK	1	0	23.33	23.38	23.35	24	0		
10	QPSK	1	25	23.18	23.26	23.25				
10	QPSK	1	49	23.07	23.21	23.18				
10	QPSK	25	0	22.12	22.28	22.18				
10	QPSK	25	12	22.13	22.28	22.17	23	1		
10	QPSK	25	25	22.18	22.22	22.14				
10	QPSK	50	0	22.11	22.19	22.11				
10	HQAM	1	0	22.06	22.12	21.99				
10	HQAM	1	25	21.98	22.06	22.00	23	1		
10	HQAM	1	49	21.88	22.00	21.94				
10	HQAM	25	0	21.10	21.23	21.10				
10	HQAM	25	12	21.19	21.27	21.19				
10	HQAM	25	25	21.10	21.22	21.12	22	2		
10	HQAM	50	0	21.13	21.24	21.12				
10	HQAM	1	0	21.12	21.17	21.07				
10	HQAM	1	25	20.95	21.05	20.98				
10	HQAM	1	49	21.18	21.23	21.10	22	2		
10	HQAM	25	0	20.15	20.20	20.07				
10	HQAM	25	12	20.07	20.13	20.07				
10	HQAM	25	25	20.12	20.19	20.05				
10	HQAM	50	0	20.11	20.15	20.02	21	3		
10	HQAM	1	0	19.10	19.16	19.05				
10	HQAM	1	25	17.07	18.06	18.07				
10	HQAM	1	49	18.06	18.13	18.03				
10	HQAM	25	0	18.07	18.15	18.00	19	5		
10	HQAM	25	12	17.99	18.07	17.94				
10	HQAM	25	25	18.07	18.12	18.06				
10	HQAM	50	0	18.00	18.14	18.00				
Channel										
				20425	20455	20495	Tune-up Int. (dB)	MPE (dB)		
Frequency (MHz)				830.5	836.5	844.5				
5	QPSK	1	0	23.26	23.31	23.28	24	0		
5	QPSK	1	12	23.05	23.17	23.08				
5	QPSK	1	24	22.96	23.12	23.02				
5	QPSK	12	0	22.01	22.18	22.10				
5	QPSK	12	7	22.08	22.12	22.06	23	1		
5	QPSK	12	13	22.08	22.10	22.07				
5	QPSK	25	0	22.00	22.15	22.05				
5	HQAM	1	0	22.01	22.05	21.88				
5	HQAM	1	12	21.84	21.97	21.89	23	1		
5	HQAM	1	24	21.80	21.92	21.80				
5	HQAM	12	0	21.09	21.09	21.05				
5	HQAM	12	7	21.12	21.20	21.08				
5	HQAM	12	13	21.02	21.13	21.06	22	2		
5	HQAM	25	0	21.08	21.16	21.14				
5	HQAM	1	0	21.05	21.12	20.99				
5	HQAM	1	12	20.95	21.06	20.98				
5	HQAM	1	24	21.10	21.12	21.02	21	3		
5	HQAM	12	0	20.07	20.17	20.00				
5	HQAM	12	7	20.03	20.02	19.99				
5	HQAM	12	13	20.01	20.05	19.95				
5	HQAM	25	0	20.07	20.03	19.92	19	5		
5	HQAM	1	0	19.01	19.15	17.99				
5	HQAM	1	12	17.88	18.02	17.94				
5	HQAM	1	24	18.03	18.08	17.95				
5	HQAM	12	0	18.02	18.06	17.92	19	5		
5	HQAM	12	7	17.96	17.92	17.84				
5	HQAM	12	13	17.87	17.88	18.03				
5	HQAM	25	0	17.87	18.10	18.05				
Channel										
				20415	20425	20435	Tune-up Int. (dB)	MPE (dB)		
Frequency (MHz)				834.7	836.5	843.5				
3	QPSK	1	0	23.21	23.24	23.22	24	0		
3	QPSK	1	8	23.03	23.13	23.12				
3	QPSK	1	14	22.94	23.11	23.06				
3	QPSK	8	0	22.08	22.17	22.09				
3	QPSK	8	4	22.09	22.20	22.11	23	1		
3	QPSK	8	7	22.07	22.15	22.09				
3	QPSK	16	0	22.06	22.08	22.00				
3	HQAM	1	0	21.97	22.07	21.93				
3	HQAM	1	8	21.85	21.88	21.86	23	1		
3	HQAM	1	14	21.17	21.84	21.80				
3	HQAM	8	0	21.01	21.18	21.07				
3	HQAM	8	4	21.05	21.12	21.13				
3	HQAM	8	7	21.06	21.11	21.06	22	2		
3	HQAM	16	0	21.00	21.16	21.12				
3	HQAM	1	0	20.98	21.06	21.00				
3	HQAM	1	8	20.95	20.93	20.70				
3	HQAM	1	14	21.09	21.15	20.99	21	3		
3	HQAM	8	0	20.03	20.17	19.99				
3	HQAM	8	4	20.03	20.05	20.02				
3	HQAM	8	7	20.09	20.10	20.00				
3	HQAM	16	0	20.02	20.01	19.96	19	5		
3	HQAM	1	0	19.01	19.11	17.94				
3	HQAM	1	8	17.96	17.99	17.95				
3	HQAM	1	14	17.92	18.04	17.96				
3	HQAM	8	0	17.97	18.11	17.93	19	5		
3	HQAM	8	4	17.86	17.86	17.91				
3	HQAM	8	7	17.95	18.01	17.97				
3	HQAM	16	0	17.91	18.01	17.96				
Channel										
				20407	20425	20443	Tune-up Int. (dB)	MPE (dB)		
Frequency (MHz)				834.7	836.5	843.5				
1.4	QPSK	1	0	23.07	23.24	23.17	24	0		
1.4	QPSK	1	3	23.03	23.22	23.17				
1.4	QPSK	1	5	22.95	23.11	23.11				
1.4	QPSK	3	0	23.08	23.18	23.07				
1.4	QPSK	3	1	23.10	23.16	23.03	23	1		
1.4	QPSK	3	3	23.07	23.12	23.04				
1.4	QPSK	6	0	22.04	22.07	22.00				
1.4	HQAM	1	0	21.92	22.07	21.84				
1.4	HQAM	1	3	21.89	21.92	21.87	23	1		
1.4	HQAM	1	5	21.11	21.81	21.86				
1.4	HQAM	3	0	22.02	22.13	22.08				
1.4	HQAM	3	1	22.07	22.13	22.06				
1.4	HQAM	6	0	21.00	21.13	21.08	22	2		
1.4	HQAM	1	0	21.03	21.03	21.01				
1.4	HQAM	1	3	20.99	20.98	20.90				
1.4	HQAM	1	5	21.04	21.09	21.02				
1.4	HQAM	3	0	21.09	21.07	20.96	22	2		
1.4	HQAM	3	1	20.93	21.06	21.00				
1.4	HQAM	3	3	21.01	21.12	20.91				
1.4	HQAM	6	0	20.01	20.02	19.99				
1.4	HQAM	1	0	18.05	18.04	17.98	21	3		
1.4	HQAM	1	3	17.88	17.95	17.90				

Band 42 FCCAnt2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up time (dBm)	MPR (dB)		
Channel				42190	42590	42990	Turn-up time (dBm)	MPR (dB)		
Frequency (MHz)				42190	42590	42990				
20	QPSK	1	0	21.13	21.41	21.35	22	0		
20	QPSK	1	48	21.30	21.37	21.35				
20	QPSK	1	96	21.39	21.24	21.21				
20	QPSK	50	0	21.29	21.40	21.22				
20	QPSK	50	24	21.18	21.26	21.16	22	0		
20	QPSK	50	60	21.24	21.33	21.36				
20	QPSK	100	0	21.16	21.31	21.25				
20	HQAM	1	0	21.30	21.23	21.27				
20	HQAM	1	48	21.07	21.23	21.35	22	0		
20	HQAM	50	0	21.39	21.03	21.03				
20	HQAM	50	24	21.40	21.36	21.14				
20	HQAM	50	24	21.22	21.35	21.02				
20	HQAM	50	50	21.31	21.52	20.99	22	0		
20	HQAM	100	0	21.16	21.29	21.21				
20	HQAM	1	0	21.01	21.05	20.95				
20	HQAM	1	48	21.13	21.16	21.32				
20	HQAM	1	96	21.14	21.33	21.06	21	1		
20	HQAM	50	0	20.51	20.42	20.39				
20	HQAM	50	24	20.28	20.35	20.48				
20	HQAM	50	50	20.51	20.25	20.42				
20	HQAM	100	0	20.45	20.41	20.28	19	3		
20	25GQAM	1	0	18.57	18.41	18.44				
20	25GQAM	1	48	18.34	18.35	18.44				
20	25GQAM	1	96	18.51	18.26	18.33				
20	25GQAM	25	0	18.41	18.41	18.37	19	3		
20	25GQAM	50	24	18.24	18.43	18.15				
20	25GQAM	50	50	18.31	18.48	18.39				
20	25GQAM	100	0	18.16	18.35	18.33				
Channel				42155 <th>42550</th> <th>42955</th> <th>Turn-up time (dBm)</th> <th colspan="2">MPR (dB)</th>	42550	42955	Turn-up time (dBm)	MPR (dB)		
Frequency (MHz)				42155	42550	42955	Turn-up time (dBm)	MPR (dB)		
15	QPSK	1	0	21.33	21.32	21.22				
15	QPSK	1	37	21.20	21.18	21.28	22	0		
15	QPSK	15	74	21.32	21.21	21.12				
15	QPSK	36	0	21.27	21.35	21.08				
15	QPSK	36	20	21.15	21.12	21.02				
15	QPSK	75	0	21.17	21.28	21.05	22	0		
15	QPSK	75	0	21.01	21.13	21.13				
15	HQAM	1	0	21.21	21.15	21.17				
15	HQAM	1	37	21.10	21.18	21.16				
15	HQAM	1	74	21.31	21.04	20.94	22	0		
15	HQAM	36	0	21.18	21.32	21.05				
15	HQAM	36	36	21.15	21.13	21.21				
15	HQAM	36	39	21.11	21.12	20.88				
15	HQAM	75	0	21.00	21.39	21.10	22	0		
15	HQAM	1	0	20.85	20.95	20.95				
15	HQAM	1	37	20.99	21.09	21.28				
15	HQAM	1	74	21.14	21.15	20.97				
15	HQAM	36	0	20.31	20.25	20.15	21	1		
15	HQAM	36	20	20.23	20.23	20.36				
15	HQAM	36	39	20.52	20.23	20.22				
15	HQAM	75	0	20.47	20.25	20.15				
15	25GQAM	1	0	18.35	18.34	18.39	19	3		
15	25GQAM	1	37	18.13	18.35	18.40				
15	25GQAM	1	74	18.33	18.18	18.31				
15	25GQAM	36	0	18.22	18.40	18.28				
15	25GQAM	36	20	18.25	18.24	17.99	19	3		
15	25GQAM	36	39	18.09	18.27	18.29				
15	25GQAM	75	0	18.12	18.30	18.40				
Channel				42140	42540	42940	Turn-up time (dBm)	MPR (dB)		
Frequency (MHz)				42140	42540	42940	Turn-up time (dBm)	MPR (dB)		
10	QPSK	1	0	21.33	21.33	21.29				
10	QPSK	1	25	21.08	21.39	21.30	22	0		
10	QPSK	1	49	21.33	21.18	21.11				
10	QPSK	36	0	21.08	21.39	21.04				
10	QPSK	25	12	21.19	21.14	21.01				
10	QPSK	25	25	21.14	21.31	21.34	22	0		
10	QPSK	50	0	20.34	21.32	21.07				
10	HQAM	1	0	21.29	21.08	21.11				
10	HQAM	1	25	21.03	21.01	21.11				
10	HQAM	1	49	21.35	20.97	20.88	22	0		
10	HQAM	25	0	21.29	21.32	21.07				
10	HQAM	25	12	21.13	21.22	21.08				
10	HQAM	25	25	21.12	21.07	20.91				
10	HQAM	50	0	21.09	21.38	21.08	22	0		
10	HQAM	1	0	20.97	20.80	20.59				
10	HQAM	1	25	20.95	21.10	21.33				
10	HQAM	1	49	21.12	21.09	21.04				
10	HQAM	25	0	20.44	20.42	20.23	21	1		
10	HQAM	25	12	20.06	20.18	20.34				
10	HQAM	25	25	20.48	20.22	20.22				
10	HQAM	50	0	20.25	20.39	20.28				
10	25GQAM	1	0	18.50	18.29	18.45	19	3		
10	25GQAM	1	25	18.19	18.47	18.38				
10	25GQAM	1	49	18.41	18.27	18.28				
10	25GQAM	25	0	18.27	18.53	18.17				
10	25GQAM	25	12	18.04	18.23	18.26	19	3		
10	25GQAM	25	25	18.20	18.45	18.40				
10	25GQAM	50	0	17.97	18.16	18.31				
Channel				42115 <th>42510</th> <th>42905</th> <th>Turn-up time (dBm)</th> <th colspan="2">MPR (dB)</th>	42510	42905	Turn-up time (dBm)	MPR (dB)		
Frequency (MHz)				42115 <th>42510<th>42905</th><th rowspan="2">Turn-up time (dBm)</th><th colspan="2" rowspan="2">MPR (dB)</th></th>	42510 <th>42905</th> <th rowspan="2">Turn-up time (dBm)</th> <th colspan="2" rowspan="2">MPR (dB)</th>	42905	Turn-up time (dBm)	MPR (dB)		
5	QPSK	1	0	21.40	21.21	21.23				
5	QPSK	1	12	21.32	21.25	21.15	22	0		
5	QPSK	1	24	21.25	21.19	21.19				
5	QPSK	12	0	21.29	21.26	21.19				
5	QPSK	12	7	21.11	21.07	21.17				
5	QPSK	12	13	21.19	21.35	21.20	22	0		
5	QPSK	25	0	21.18	21.12	21.16				
5	HQAM	1	0	21.22	21.21	21.12				
5	HQAM	1	12	21.04	21.17	21.14				
5	HQAM	1	24	21.20	20.88	20.96	22	0		
5	HQAM	12	0	21.20	21.32	20.93				
5	HQAM	12	7	21.12	21.15	21.23				
5	HQAM	12	13	21.07	20.93	20.85				
5	HQAM	25	0	20.95	21.27	21.09	22	0		
5	HQAM	1	0	20.89	21.00	20.81				
5	HQAM	1	12	20.95	21.02	21.18				
5	HQAM	1	24	21.15	21.18	21.00				
5	HQAM	12	0	20.53	20.34	20.22	21	1		
5	HQAM	12	7	20.26	20.21	20.48				
5	HQAM	12	13	20.43	20.07	20.24				
5	HQAM	25	0	20.30	20.53	20.58				
5	25GQAM	1	0	18.37	18.41	18.44	19	3		
5	25GQAM	1	12	18.14	18.41	18.45				
5	25GQAM	1	24	18.35	18.13	18.28				
5	25GQAM	12	0	18.34	18.67	18.17				
5	25GQAM	12	7	18.08	18.20	18.11	19	3		
5	25GQAM	12	13	18.12	18.45	18.19				
5	25GQAM	25	0	18.09	18.38	18.15				

Reduced Power Mode for WWAN DBS 3-Simultaneous

GSM/2G A/B	Base Average Power (dBm)			Tx Power Limit (dBm)	Frame Average Power (dBm)			Tx Power Limit (dBm)
	TX Channel	814.2	816.4	818.8	TX Channel	814.2	816.4	818.8
Frequency (MHz)								
GSM 1 Tx slot	32.80	32.75	32.80	33.80	23.80	23.75	23.80	24.80
GPRS 1 Tx slot	32.80	32.80	32.80	33.80	23.80	23.80	23.80	24.80
GPRS 2 Tx slot	32.76	32.74	32.42	31.60	24.76	24.34	24.42	25.30
GPRS 3 Tx slot	29.79	29.70	29.76	30.50	24.93	24.50	24.50	26.24
GPRS 4 Tx slot	27.68	27.60	27.66	28.00	24.68	24.62	24.68	26.00
EDGE 1 Tx slot	29.74	29.71	24.79	27.00	17.74	17.71	17.76	18.50
EDGE 2 Tx slot	25.73	25.67	25.68	27.00	15.73	15.67	15.68	21.00
EDGE 3 Tx slot	24.37	24.36	24.23	25.00	15.11	15.02	15.07	21.04
EDGE 4 Tx slot	23.82	23.79	23.70	24.00	15.02	15.04	15.30	21.00

GSM/2G A/B	Base Average Power (dBm)			Tx Power Limit (dBm)	Frame Average Power (dBm)			Tx Power Limit (dBm)
	TX Channel	812	861	810	TX Channel	812	861	810
Frequency (MHz)								
GSM 1 Tx slot	23.08	23.55	23.26	23.80	14.05	14.05	14.25	14.80
GPRS 1 Tx slot	23.48	23.44	23.48	23.80	14.48	14.44	14.48	14.80
GPRS 2 Tx slot	20.26	20.60	20.40	21.00	14.26	14.60	14.48	15.80
GPRS 3 Tx slot	18.82	18.80	18.61	20.80	15.30	15.30	15.30	18.54
GPRS 4 Tx slot	17.80	18.02	17.80	19.20	14.80	15.02	14.80	16.30
EDGE 1 Tx slot	18.28	18.45	18.23	20.80	18.23	18.45	18.23	13.80
EDGE 2 Tx slot	16.02	16.36	16.07	19.80	12.02	12.36	12.07	13.30
EDGE 3 Tx slot	15.77	15.91	15.56	17.80	12.51	12.65	12.30	13.54
EDGE 4 Tx slot	15.20	15.41	15.42	16.30	12.20	12.41	12.42	13.30

Base	WCDMA B A/B			Tx Power Limit (dBm)	WCDMA B A/B			Tx Power Limit (dBm)
	TX Channel	8650	8650	8650	TX Channel	8152	8153	8153
Frequency (MHz)								
SCPP Full 8	AWG 12 20pps	15.03	15.01	15.05	16.30	15.74	15.59	15.57
SCPP Full 8	AWG 12 20pps	15.31	15.22	15.22	16.30	15.70	15.50	15.77
SCPP Full 8	ISGPA Subslot-1	14.25	14.03	14.10	15.20	14.66	14.76	15.00
SCPP Full 8	ISGPA Subslot-2	14.15	14.21	14.25	15.30	14.81	14.62	15.85
SCPP Full 8	ISGPA Subslot-3	13.83	13.88	13.83	14.80	14.32	14.41	14.38
SCPP Full 8	ISGPA Subslot-4	13.05	13.05	13.77	14.80	14.30	14.21	15.10
SCPP Full 8	DC-HSDPA Subslot-1	14.33	14.11	14.22	15.30	14.91	14.85	14.71
SCPP Full 8	DC-HSDPA Subslot-2	14.07	14.30	14.80	15.30	14.60	14.71	15.85
SCPP Full 8	DC-HSDPA Subslot-3	13.54	13.62	13.68	14.80	14.27	14.13	14.22
SCPP Full 8	DC-HSDPA Subslot-4	13.17	13.05	13.05	14.80	14.30	14.28	15.10
SCPP Full 8	HSPA Subslot-1	14.27	14.19	14.05	15.30	14.70	14.80	15.80
SCPP Full 8	HSPA Subslot-2	13.28	13.06	12.01	13.30	12.83	12.83	12.89
SCPP Full 8	HSPA Subslot-3	13.22	13.15	13.07	14.30	13.81	13.80	14.80
SCPP Full 8	HSPA Subslot-4	12.19	12.09	12.04	13.30	12.65	12.89	12.85
SCPP Full 8	HSPA Subslot-5	14.16	14.20	14.11	15.20	14.86	14.81	14.75

Base	WCDMA V A/B			Tx Power Limit (dBm)	WCDMA V A/B			Tx Power Limit (dBm)
	TX Channel	8152	8153	8153	TX Channel	8152	8153	8153
Frequency (MHz)								
SCPP Full 8	AWG 12 20pps	15.03	15.01	15.05	16.30	15.74	15.59	15.57
SCPP Full 8	AWG 12 20pps	15.31	15.22	15.22	16.30	15.70	15.50	15.77
SCPP Full 8	ISGPA Subslot-1	14.25	14.03	14.10	15.20	14.66	14.76	15.00
SCPP Full 8	ISGPA Subslot-2	14.15	14.21	14.25	15.30	14.81	14.62	15.85
SCPP Full 8	ISGPA Subslot-3	13.83	13.88	13.83	14.80	14.32	14.41	14.38
SCPP Full 8	ISGPA Subslot-4	13.05	13.05	13.77	14.80	14.30	14.21	15.10
SCPP Full 8	DC-HSDPA Subslot-1	14.33	14.11	14.22	15.30	14.91	14.85	14.71
SCPP Full 8	DC-HSDPA Subslot-2	14.07	14.30	14.80	15.30	14.60	14.71	15.85
SCPP Full 8	DC-HSDPA Subslot-3	13.54	13.62	13.68	14.80	14.27	14.13	14.22
SCPP Full 8	DC-HSDPA Subslot-4	13.17	13.05	13.05	14.80	14.30	14.28	15.10
SCPP Full 8	HSPA Subslot-1	14.27	14.19	14.05	15.30	14.70	14.80	15.80
SCPP Full 8	HSPA Subslot-2	13.28	13.06	12.01	13.30	12.83	12.83	12.89
SCPP Full 8	HSPA Subslot-3	13.22	13.15	13.07	14.30	13.81	13.80	14.80
SCPP Full 8	HSPA Subslot-4	12.19	12.09	12.04	13.30	12.65	12.89	12.85
SCPP Full 8	HSPA Subslot-5	14.16	14.20	14.11	15.20	14.86	14.81	14.75



Band 2 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up Int. (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				18700	18800	18900			
20	QPSK	1	0	15.40	15.44	15.22			
20	QPSK	1	49	15.28	15.25	15.28		18.3	0
20	QPSK	1	99	15.16	15.22	15.16			
20	QPSK	50	0	15.22	15.40	15.01			
20	QPSK	50	24	15.22	15.22	15.33		18.3	0
20	QPSK	50	49	15.16	15.22	15.28			
20	QPSK	100	0	15.26	15.30	15.16			
20	16QAM	1	0	15.26	15.37	15.27		18.3	0
20	16QAM	1	49	15.20	15.27	15.27			
20	16QAM	1	99	15.14	15.10	15.07			
20	16QAM	50	0	15.14	15.04	15.11		18.3	0
20	16QAM	50	24	15.02	15.15	15.15			
20	16QAM	50	49	15.18	15.29	15.05			
20	16QAM	100	0	15.11	15.23	14.92			
20	64QAM	1	49	15.08	15.03	15.20		18.3	0
20	64QAM	1	99	15.13	15.18	15.21			
20	64QAM	50	0	15.27	15.25	15.03			
20	64QAM	50	24	14.99	15.37	15.05		18.3	0
20	64QAM	50	49	15.18	15.29	15.05			
20	64QAM	100	0	15.18	15.20	15.03			
20	256QAM	1	0	15.22	15.34	15.23			
20	256QAM	1	49	15.27	15.02	14.99		18.3	0
20	256QAM	1	99	15.12	15.08	14.95			
20	256QAM	50	0	15.20	15.14	15.02			
20	256QAM	50	24	15.04	15.37	15.29		18.3	0
20	256QAM	50	49	15.03	15.28	15.12			
20	256QAM	100	0	14.93	15.10	15.11			
Channel									
Frequency (MHz)				18970	18980	18990	Turn-up Int. (dBm)	MPR (dB)	
15	QPSK	1	0	15.40	15.39	15.10		18.3	0
15	QPSK	1	37	15.07	15.03	15.07			
15	QPSK	1	74	14.93	15.07	15.07			
15	QPSK	36	0	15.24	15.23	14.93			
15	QPSK	36	39	15.19	15.10	15.26		18.3	0
15	QPSK	36	74	14.95	15.17	14.93			
15	QPSK	75	0	15.10	15.31	15.08			
15	16QAM	1	0	15.12	15.21	15.15		18.3	0
15	16QAM	1	39	15.08	15.24	15.08			
15	16QAM	1	74	15.03	14.98	15.07			
15	16QAM	36	0	15.10	14.90	14.96			
15	16QAM	36	39	15.11	15.10	14.96		18.3	0
15	16QAM	36	74	14.95	15.10	14.96			
15	16QAM	75	0	15.07	15.22	14.95			
15	16QAM	75	39	15.11	15.10	14.96		18.3	0
15	16QAM	75	74	14.97	14.97	14.93			
15	64QAM	1	37	14.90	14.89	15.15		18.3	0
15	64QAM	1	74	15.03	14.86	15.08			
15	64QAM	36	0	15.07	15.20	14.95			
15	64QAM	36	39	15.11	15.10	14.90		18.3	0
15	64QAM	36	74	14.95	15.10	14.96			
15	256QAM	1	0	15.10	15.25	15.15			
15	256QAM	1	39	15.10	15.02	14.98		18.3	0
15	256QAM	1	74	14.93	14.90	14.87			
15	256QAM	36	0	15.18	15.07	14.99			
15	256QAM	36	39	15.17	15.15	14.94		18.3	0
15	256QAM	36	74	14.96	15.24	14.82			
15	256QAM	75	0	14.86	15.24	14.82			
15	256QAM	75	39	15.07	15.03	14.82		18.3	0
15	256QAM	75	74	14.98	14.98	14.78			
15	256QAM	1	74	14.93	14.90	14.87			
15	256QAM	36	0	15.10	15.07	14.98		18.3	0
15	256QAM	36	39	15.00	15.00	15.26			
15	256QAM	36	74	14.94	15.09	14.87		18.3	0
15	256QAM	75	0	14.72	14.99	15.11			
Channel									
Frequency (MHz)				18955	18960	18965	Turn-up Int. (dBm)	MPR (dB)	
10	QPSK	1	0	15.26	15.36	15.11		18.3	0
10	QPSK	1	25	15.17	15.26	15.16			
10	QPSK	1	49	15.08	15.27	14.99			
10	QPSK	25	0	15.03	15.33	14.93			
10	QPSK	25	12	15.21	15.10	15.24		18.3	0
10	QPSK	25	49	15.05	15.30	15.00			
10	QPSK	50	0	15.11	15.17	15.16			
10	16QAM	1	0	15.27	15.27	15.26		18.3	0
10	16QAM	1	49	14.97	15.01	14.93			
10	16QAM	1	99	15.12	15.06	15.03			
10	16QAM	25	0	15.13	14.94	15.07		18.3	0
10	16QAM	25	12	15.05	15.14	15.05			
10	16QAM	25	49	14.98	15.08	14.92			
10	16QAM	50	0	14.91	15.10	14.70			
10	16QAM	50	24	15.05	15.14	15.05		18.3	0
10	16QAM	50	49	14.93	14.95	15.00			
10	64QAM	1	25	14.93	14.95	15.00			
10	64QAM	1	74	15.03	14.86	15.08		18.3	0
10	64QAM	25	0	15.07	15.20	14.95			
10	64QAM	25	12	14.96	14.90	14.84			
10	64QAM	25	49	14.90	14.80	14.76		18.3	0
10	64QAM	50	0	14.92	14.71	14.93			
10	64QAM	50	24	14.92	14.98	14.80			
10	64QAM	50	49	14.84	14.82	14.80		18.3	0
10	256QAM	1	25	15.03	14.95	14.81			
10	256QAM	1	74	14.96	14.78	14.80		18.3	0
10	256QAM	25	0	15.02	15.01	14.87			
10	256QAM	25	12	14.76	14.84	14.65		18.3	0
10	256QAM	25	49	14.76	14.84	14.65			
10	256QAM	50	0	14.87	14.90	14.84			
10	256QAM	50	24	14.99	14.90	15.02		18.3	0
10	256QAM	50	49	14.86	14.75	14.87			
Channel									
Frequency (MHz)				18965	18969	18973	Turn-up Int. (dBm)	MPR (dB)	
5	QPSK	1	0	15.10	15.23	14.95		18.3	0
5	QPSK	1	12	15.08	15.21	14.92			
5	QPSK	1	24	15.08	14.78	14.97			
5	QPSK	12	0	15.05	15.13	14.91			
5	QPSK	12	7	14.93	15.01	14.92		18.3	0
5	QPSK	12	13	15.12	14.88	15.04			
5	QPSK	25	0	14.97	15.07	14.93			
5	16QAM	1	0	14.80	15.10	15.00		18.3	0
5	16QAM	1	12	14.81	14.81	14.88			
5	16QAM	1	49	14.80	14.80	14.76			
5	16QAM	25	0	15.07	14.93	14.74		18.3	0
5	16QAM	25	12	14.70	14.90	14.74			
5	16QAM	25	49	14.97	15.06	14.82			
5	16QAM	50	0	14.92	14.71	14.93			
5	16QAM	50	24	14.82	15.18	15.13		18.3	0
5	16QAM	50	49	14.83	14.95	14.81			
5	16QAM	100	0	14.96	14.94	14.87			
5	16QAM	100	24	14.96	15.01	15.05		18.3	0
5	16QAM	100	49	14.92	15.03	14.74			
5	16QAM	150	0	14.98	14.96	14.87			
5	16QAM	150	24	14.85	14.94	14.87		18.3	0
5	16QAM	150	49	14.95	14.89	14.89			
5	256QAM	1	0	15.06	14.91	15.02			
5	256QAM	1	14	14.89	14.83	14.86		18.3	0
5	256QAM	1	24	14.89	14.89	14.86			
5	256QAM	12	0	14.97	15.01	14.62			
5	256QAM	12	7	14.80	14.80	14.84		18.3	0
5	256QAM	12	13	15.06	15.12	14.78			
5	256QAM	15	0	14.91	14.86	15.01			
Channel									
Frequency (MHz)				17172.5	17172.5	17172.5	Turn-up Int. (dBm)	MPR (dB)	
1.4	QPSK	1	0	15.10	15.26	15.06		18.3	0
1.4	QPSK	1	14	14.90	14.92	15.05			
1.4	QPSK	8	0	14.98	15.12	14.89			
1.4	QPSK	8	7	15.01	14.94	14.95		18.3	0
1.4	QPSK	8	7	14.99	14.95	14.95			
1.4	QPSK	15	0	14.88	15.19	15.07			
1.4	QPSK	15	7	14.87	15.11	14.84		18.3	0
1.4	QPSK	1	8	14.91	14.93	14.65			
1.4	16QAM	1	14	14.75	14.80	14.82			
1.4	16QAM	1	14	14.86	15.11	14.74		18.3	0
1.4	16QAM	8	4	14.70	14.90	14.76			
1.4	16QAM	8	7	15.16	15.15	14.76			
1.4	16QAM	1	0	14.87	14.94	15.11		18.3	0
1.4	16QAM	1	0	14.82	15.17	15.23			
1.4	16QAM	8	0	15.10	14.93	14.65			
1.4	16QAM	8	4	14.91	14.86	14.84		18.3	0
1.4	16QAM	8	4	14.98	15.27	14.98			
1.4	16QAM	15	0	14.81	14.95	14.80			
1.4	256QAM	1	0	14.99	15.09	14.86			
1.4	256QAM	1	14	14.93	14.83	14.81		18.3	0
1.4	256QAM	1	14	14.89	14.79	14.93			
1.4	256QAM	8	0	15.02	15.04	14.70			
1.4	256QAM	8	7	14.80	14.80	14		18.3	0

Band 12 Ant0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq 23660	Power Mid Ch / Freq 23665	Power High Ch / Freq 23730	Tune-up freq (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	23.18	23.21	23.21	24	0		
10	QPSK	1	26	23.03	23.18	23.08				
10	QPSK	1	48	23.02	23.08	23.08				
10	QPSK	25	0	22.00	22.15	22.00	23	1		
10	QPSK	25	12	22.02	22.11	22.04				
10	QPSK	25	26	22.01	22.08	21.94				
10	16QAM	1	0	22.15	22.21	22.12	23	1		
10	16QAM	1	26	22.08	22.17	22.06				
10	16QAM	1	48	22.03	22.07	21.94				
10	16QAM	25	0	20.88	21.16	21.10	22	2		
10	16QAM	25	12	21.03	21.13	21.05				
10	16QAM	25	26	21.04	21.04	20.90				
10	64QAM	1	0	21.17	21.14	21.16	22	2		
10	64QAM	1	26	21.04	21.11	20.96				
10	64QAM	1	48	20.99	21.02	20.99				
10	64QAM	25	0	20.00	20.11	19.91	21	3		
10	64QAM	25	12	20.00	20.05	19.92				
10	64QAM	25	26	19.99	20.14	20.02				
10	256QAM	1	0	18.12	18.16	18.16	19	5		
10	256QAM	1	26	17.95	18.08	18.04				
10	256QAM	1	48	18.00	18.08	17.94				
10	256QAM	25	0	18.00	18.14	18.04	19	5		
10	256QAM	25	12	17.99	18.16	18.02				
10	256QAM	25	26	18.00	18.03	18.00				
10	256QAM	50	0	18.11	18.12	18.12	Channel	23760	23765	23770
Channel										
Frequency (MHz)										
5	QPSK	1	0	23.08	23.10	23.11	24	0		
5	QPSK	1	12	22.92	23.11	22.99				
5	QPSK	1	24	22.86	23.08	22.95				
5	QPSK	12	7	21.93	22.10	21.94	23	1		
5	QPSK	12	13	21.93	21.98	21.92				
5	QPSK	12	19	22.02	22.03	22.00				
5	16QAM	1	0	22.09	22.16	21.98	23	1		
5	16QAM	1	12	22.00	22.13	21.91				
5	16QAM	1	24	21.98	21.94	21.85				
5	16QAM	12	0	20.85	21.01	21.00	22	2		
5	16QAM	12	7	21.01	21.05	21.05				
5	16QAM	12	13	20.96	20.95	20.86				
5	16QAM	25	0	20.93	21.06	21.00	22	2		
5	64QAM	1	0	21.04	21.07	21.03				
5	64QAM	1	12	20.91	20.99	20.88				
5	64QAM	1	24	20.87	20.94	20.86	22	2		
5	64QAM	12	0	19.89	20.07	19.98				
5	64QAM	12	7	19.88	20.02	19.95				
5	64QAM	12	13	19.96	19.94	19.91	21	3		
5	64QAM	25	0	19.87	20.07	19.98				
5	256QAM	1	0	18.03	18.07	18.11				
5	256QAM	1	12	17.80	18.04	17.86	19	5		
5	256QAM	1	24	17.86	17.97	17.89				
5	256QAM	12	0	17.97	18.02	17.94				
5	256QAM	12	7	17.88	18.03	17.93	19	5		
5	256QAM	12	13	17.92	17.95	17.96				
5	256QAM	25	0	18.02	18.08	18.05				
Channel										
Frequency (MHz)										
3	QPSK	1	0	23.06	23.10	23.08	24	0		
3	QPSK	1	8	22.97	23.11	22.94				
3	QPSK	1	16	22.90	23.00	22.96				
3	QPSK	8	0	21.86	22.12	21.94	23	1		
3	QPSK	8	4	21.94	21.99	21.90				
3	QPSK	8	7	21.88	21.94	21.87				
3	16QAM	1	0	22.01	22.02	22.01	23	1		
3	16QAM	1	8	21.98	22.14	21.98				
3	16QAM	1	16	21.97	21.94	21.90				
3	16QAM	8	0	20.94	21.08	20.95	22	2		
3	16QAM	8	4	21.03	21.02	21.00				
3	16QAM	8	7	20.96	20.91	20.82				
3	16QAM	16	0	20.90	21.01	20.97	22	2		
3	64QAM	1	0	21.03	21.07	21.07				
3	64QAM	1	8	21.01	20.96	20.87				
3	64QAM	1	16	20.93	20.96	20.91	21	3		
3	64QAM	8	0	19.94	19.99	19.97				
3	64QAM	8	4	19.89	20.05	19.92				
3	64QAM	8	7	19.89	19.99	19.92	19	5		
3	64QAM	15	0	19.94	20.07	19.90				
3	256QAM	1	0	18.04	18.04	18.09				
3	256QAM	1	5	17.99	17.99	17.92	19	5		
3	256QAM	1	14	17.86	17.98	17.86				
3	256QAM	8	0	17.87	18.06	17.90				
3	256QAM	8	4	17.91	18.05	17.98	19	5		
3	256QAM	8	7	17.94	17.92	17.85				
3	256QAM	15	0	18.01	18.07	18.07				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	23.12	23.09	23.08	24	0		
1.4	QPSK	1	3	22.99	23.10	22.96				
1.4	QPSK	1	5	22.94	22.94	22.92				
1.4	QPSK	3	0	22.91	23.07	22.95	23	1		
1.4	QPSK	3	1	22.90	23.05	22.94				
1.4	QPSK	3	1	22.91	23.01	22.81				
1.4	QPSK	8	0	21.09	22.05	22.04	23	1		
1.4	16QAM	1	0	22.10	22.16	22.08				
1.4	16QAM	1	3	22.03	22.06	22.02				
1.4	16QAM	1	5	21.91	22.02	21.89	23	1		
1.4	16QAM	3	0	21.86	22.02	22.01				
1.4	16QAM	3	1	21.96	22.04	21.95				
1.4	16QAM	3	3	22.00	22.01	21.94	22	2		
1.4	16QAM	8	0	20.95	21.08	20.95				
1.4	64QAM	1	0	21.09	21.08	21.09				
1.4	64QAM	1	3	20.99	21.05	20.81	22	2		
1.4	64QAM	1	8	20.90	20.95	20.95				
1.4	64QAM	3	0	20.89	21.01	20.79				
1.4	64QAM	3	1	20.85	21.04	21.01	21	3		
1.4	64QAM	8	0	20.80	20.97	20.89				
1.4	64QAM	8	0	19.96	20.91	19.93				
1.4	256QAM	1	0	18.05	18.07	18.11	19	5		
1.4	256QAM	1	5	17.87	17.98	17.86				
1.4	256QAM	1	5	17.87	17.98	17.86	19	5		
1.4	256QAM	3	1	17.94	18.11	17.80				
1.4	256QAM	3	1	17.94	18.11	17.80				
1.4	256QAM	3	1	17.94	17.99	17.80	19	5		
1.4	256QAM	3	1	17.93	17.99	17.80				
1.4	256QAM	3	1	17.93	17.99	17.80				



Band 25 Ant0																
BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch 1 / Freq (MHz)	Power Level Ch 2 / Freq (MHz)	Power Level Ch 3 / Freq (MHz)	Tune-up Int. (dB)	MPR (dB)								
Channel																
Frequency (MHz)																
20	QPSK	1	0	15.34	15.45	15.21			16.3	0						
20	QPSK	1	49	15.02	15.17	15.08										
20	QPSK	1	99	15.24	15.06	15.11										
20	QPSK	50	0	15.21	15.31	15.19										
20	QPSK	50	24	15.08	15.24	15.11			16.3	0						
20	QPSK	50	49	15.15	15.28	15.15										
20	QPSK	100	0	15.08	15.25	15.23										
20	16QAM	1	0	15.20	15.08	15.26										
20	16QAM	1	49	15.13	15.10	15.20			16.3	0						
20	16QAM	1	99	15.10	15.26	15.23										
20	16QAM	50	0	15.06	15.29	15.06										
20	16QAM	50	24	15.09	15.13	15.24										
20	16QAM	100	0	15.15	15.12	15.24			16.3	0						
20	64QAM	1	0	15.05	15.24	15.09										
20	64QAM	1	49	15.01	15.12	15.19										
20	64QAM	1	99	15.14	15.05	15.09										
20	64QAM	50	0	15.15	15.13	15.19			16.3	0						
20	64QAM	50	24	15.07	15.15	15.17										
20	64QAM	50	50	15.16	15.06	15.13										
20	64QAM	100	0	15.15	15.15	15.18										
20	256QAM	1	0	15.07	15.11	15.24			16.3	0						
20	256QAM	1	49	15.07	15.11	15.24										
20	256QAM	1	99	15.19	15.20	15.09										
20	256QAM	50	0	15.18	15.27	15.15										
20	256QAM	50	24	15.12	15.05	15.21			16.3	0						
20	256QAM	50	50	15.02	15.27	15.16										
20	256QAM	100	0	15.02	15.22	15.16										
20	256QAM	100	24	15.03	15.24	15.24										
Channel																
Frequency (MHz)																
20	QPSK	1	0	15.32	15.43	15.17			16.3	0						
20	QPSK	1	37	15.21	15.18	15.21										
20	QPSK	1	74	15.21	15.16	15.53										
20	QPSK	36	0	15.21	15.18	15.23										
20	QPSK	36	20	15.02	15.25	15.11			16.3	0						
20	QPSK	36	36	15.17	15.10	15.21										
20	QPSK	75	0	15.20	15.28	15.03										
20	QPSK	1	0	15.18	16.12	16.07										
20	16QAM	1	37	15.15	16.10	16.14			16.3	0						
20	16QAM	1	74	16.24	16.23	16.08										
20	16QAM	36	0	15.17	16.11	16.19										
20	16QAM	36	20	16.21	16.08	16.26										
20	16QAM	75	0	16.03	16.26	16.03			16.3	0						
20	16QAM	75	0	16.05	16.08	16.12										
20	16QAM	100	0	16.24	16.08	16.27										
20	64QAM	1	37	16.18	16.12	16.04										
20	64QAM	1	74	16.04	16.10	16.03			16.3	0						
20	64QAM	36	0	16.17	16.15	16.25										
20	64QAM	36	20	16.21	16.08	16.26										
20	64QAM	75	0	16.09	16.05	16.14										
20	256QAM	1	0	16.15	16.10	16.26			16.3	0						
20	256QAM	1	37	16.10	16.06	16.17										
20	256QAM	1	74	16.21	16.17	16.08										
20	256QAM	36	0	16.12	16.19	16.10										
20	256QAM	36	20	16.03	16.09	16.20			16.3	0						
20	256QAM	36	36	16.05	16.28	16.24										
20	256QAM	75	0	16.15	16.29	16.09										
Channel																
Frequency (MHz)																
10	QPSK	1	0	16.22	16.09	16.03			16.3	0						
10	QPSK	1	25	16.04	16.19	16.08										
10	QPSK	1	49	16.19	16.21	16.17										
10	QPSK	25	0	16.00	16.09	16.13										
10	QPSK	25	12	16.22	16.24	16.20			16.3	0						
10	QPSK	25	24	16.18	16.12	16.10										
10	QPSK	90	0	16.23	16.26	16.08										
10	QPSK	1	0	16.16	16.12	16.07										
10	16QAM	1	25	16.07	16.26	16.13			16.3	0						
10	16QAM	1	49	16.07	16.28	16.14										
10	16QAM	25	0	16.12	16.06	16.25										
10	16QAM	25	12	16.10	16.15	16.15										
10	16QAM	25	24	16.03	16.06	16.18			16.3	0						
10	16QAM	90	0	16.14	16.13	16.20										
10	64QAM	1	25	16.20	16.24	16.05										
10	64QAM	1	25	16.02	16.21	16.11										
10	64QAM	25	0	16.14	16.22	16.04			16.3	0						
10	64QAM	25	12	16.24	16.28	16.09										
10	64QAM	90	0	16.19	16.07	16.08										
10	256QAM	1	0	16.21	16.11	16.26										
10	256QAM	1	25	16.02	16.12	16.25			16.3	0						
10	256QAM	1	49	16.12	16.12	16.05										
10	256QAM	25	0	16.11	16.21	16.13										
10	256QAM	25	12	16.03	16.23	16.08										
10	256QAM	25	24	16.13	16.25	16.09			16.3	0						
10	256QAM	90	0	16.19	16.08	16.16										
Channel																
Frequency (MHz)																
5	QPSK	1	0	16.02	16.10	16.17			16.3	0						
5	QPSK	1	12	16.05	16.18	16.16										
5	QPSK	1	24	16.20	16.24	16.08										
5	QPSK	12	0	16.03	16.05	16.15										
5	QPSK	12	7	16.21	16.12	16.16			16.3	0						
5	QPSK	12	13	16.24	16.09	16.20										
5	QPSK	25	0	16.19	16.11	16.25										
5	QPSK	25	0	16.16	16.09	16.22										
5	16QAM	1	12	16.16	16.17	16.16			16.3	0						
5	16QAM	1	24	16.21	16.21	16.09										
5	16QAM	12	0	16.02	16.18	16.08										
5	16QAM	12	7	16.05	16.28	16.14										
5	16QAM	12	13	16.17	16.10	16.04			16.3	0						
5	16QAM	25	0	16.06	16.27	16.14										
5	64QAM	1	0	16.04	16.07	16.22										
5	64QAM	1	12	16.23	16.10	16.15										
5	64QAM	1	24	16.08	16.07	16.25			16.3	0						
5	64QAM	12	0	16.14	16.26	16.09										
5	64QAM	12	7	16.07	16.28	16.14										
5	64QAM	12	13	16.10	16.20	16.03										
5	256QAM	1	0	16.07	16.10	16.17			16.3	0						
5	256QAM	1	12	16.23	16.07	16.26										
5	256QAM	24	0	16.23	16.17	16.09										
5	256QAM	12	0	16.11	16.25	16.15										
5	256QAM	12	7	16.07	16.10	16.15			16.3	0						
5	256QAM	12	13	16.21	16.22	16.16										
5	256QAM	25	0	16.19	16.25	16.09										
5	256QAM	25	12	16.03	16.23	16.08										
5	256QAM	25	24	16.13	16.25	16.09			16.3	0						
5	256QAM	90	0	16.19	16.08	16.16										
Channel																
Frequency (MHz)																
3	QPSK	1	0	15.32	15.43	15.17			16.3	0						
3	QPSK	1	8	15.15	15.08	15.15										
3	QPSK	1	8	15.19	15.05	15.20										
3	QPSK	1	14	16.20	16.15	16.16										
3	QPSK	15	0	15.20	15.10	15.25			16.3	0						
3	QPSK	8	4	15.06	15.12	15.11										
3	QPSK	8	7	16.11	16.27	16.05										
3	QPSK	15	0	15.10	15.20	15.21										
3	16QAM	1	0	15.23	15.25	15.17			16.3	0						
3	16QAM	1	8	16.12	16.07	16.09										
3	16QAM	8	4	15.07	15.13	15.14										
3	16QAM	8	7	16.23	16.13	15.19										
3	16QAM	8	14	16.20	16.07	16.19			16.3	0						
3	16QAM	15	0	15.07	16.05	15.11										
3	16QAM	15	0	15.06	16.21	15.20										
3	16QAM	15	8	16.09	16.21	15.20										
3	64QAM	1	0	15.05	15.28	15.09			16.3	0						
3	64QAM	1	8	15.05	15.12	15.18										
3	64QAM	1	14	16.19	16.24	16.15										
3	64QAM	8	0	15.07	15.16	15.28										
3	64QAM	8	4	15.09	16.20	15.19			16.3	0						
3	64QAM	8	7	16.02	16.17	15.06										
3	64QAM	15	0	15.13	16.21	15.16										
3	64QAM	15	8	16.21	16.28	15.16										
3	256QAM	1	0	15.18	16.22	15.14			16.3	0						
3	256QAM	1	14	16.06	16.10	15.16										
3	256QAM	15	0	15.18	16.22	15.14										
3	256QAM	15	8	16.17	16.23	15.17										
3	256QAM	8	4	15.17	16.23	15.17			16.3	0						
3	256QAM	8	7	15.03	16.25	15.17										
3	256QAM	15	0	15.13	16.23	15.22										
Channel																
Frequency (MHz)																
14	QPSK	3	0	15.40	15.40	15.18			16.3	0						
14	QPSK	3	3	15.19	15.10	15.21										
14	QPSK	3	6	15.17	16.21	16.07										
14	QPSK	3	9	16.22	15.24	15.27										
14	QPSK	3	1	15.22	16.24	15.08			16.3	0						
14	QPSK	3	4	15.14	16.20	15.08										
14	QPSK	15	0	15.15	16.28	15.11										
14	16QAM	1	0	15.00	15.13	15.21										
14	16QAM	1	3	15.18	15.14	15.08			16.3	0						
14	16QAM															



Band 38 Ant0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up Int. (dBm)	MPR (dB)		
Channel				37960	38000	38100				
Frequency (MHz)				2580	2596	2610				
20	QPSK	1	0	19.67	19.70	19.67	20.8	0		
20	QPSK	1	40	19.67	19.65	19.58				
20	QPSK	1	80	19.68	19.68	19.67				
20	QPSK	50	0	19.66	19.66	19.67				
20	QPSK	50	24	19.67	19.67	19.67	20.8	0		
20	QPSK	50	50	19.61	19.67	19.66				
20	QPSK	100	0	19.66	19.66	19.66				
20	HQAM	1	0	19.52	19.59	19.65				
20	HQAM	1	40	19.57	19.62	19.68	20.8	0		
20	HQAM	1	80	19.57	19.55	19.54				
20	HQAM	50	0	19.58	19.59	19.57				
20	HQAM	50	24	19.56	19.48	19.46				
20	HQAM	50	50	19.44	19.50	19.49	20.8	0		
20	HQAM	100	0	19.38	19.42	19.51				
20	HQAM	1	0	19.65	19.46	19.63				
20	HQAM	1	40	19.61	19.45	19.45				
20	HQAM	1	80	19.61	19.45	19.45	20.8	0		
20	HQAM	1	99	19.65	19.59	19.57				
20	HQAM	50	0	19.58	19.59	19.48				
20	HQAM	50	24	19.48	19.47	19.53				
20	HQAM	50	50	19.46	18.60	19.49	20.8	0		
20	HQAM	100	0	19.33	19.39	19.53				
20	HQAM	1	0	17.98	18.11	17.85				
20	HQAM	1	40	17.82	17.86	17.89				
20	256QAM	1	0	17.98	17.86	18.14	19.2	1.6		
20	256QAM	50	0	18.05	17.91	18.07				
20	256QAM	50	24	18.04	18.00	18.09				
20	256QAM	50	50	17.87	18.02	17.86				
20	256QAM	100	0	17.92	17.81	17.85	19.2	1.6		
Channel				2577.5 <th>2595<th>2612.5<th colspan="2"></th></th></th>	2595 <th>2612.5<th colspan="2"></th></th>	2612.5 <th colspan="2"></th>				
Frequency (MHz)				19.67 <th>19.60<th>19.57<th colspan="2"></th></th></th>	19.60 <th>19.57<th colspan="2"></th></th>	19.57 <th colspan="2"></th>				
15	QPSK	1	0	19.67	19.60	19.57	20.8	0		
15	QPSK	1	40	19.63	19.62	19.61				
15	QPSK	1	74	19.49	19.67	19.49				
15	QPSK	36	0	19.69	19.64	19.46				
15	QPSK	36	36	19.45	19.45	19.46	20.8	0		
15	QPSK	36	39	19.34	19.46	19.65				
15	QPSK	75	0	19.35	19.47	19.47				
15	HQAM	1	0	19.38	19.39	19.58				
15	HQAM	1	27	19.33	19.63	19.48	20.8	0		
15	HQAM	1	74	19.47	19.36	19.38				
15	HQAM	36	0	19.60	19.53	19.48				
15	HQAM	36	20	18.18	19.48	19.32				
15	HQAM	36	36	19.32	19.37	19.45	20.8	0		
15	HQAM	75	0	19.30	19.42	19.42				
15	HQAM	1	0	18.44	19.38	19.58				
15	HQAM	1	37	18.42	19.35	19.38	20.8	0		
15	HQAM	1	74	19.52	19.46	19.37				
15	HQAM	36	0	19.36	19.44	19.50				
15	HQAM	36	20	19.38	19.35	19.34				
15	HQAM	36	39	19.42	19.55	19.29	20.8	0		
15	HQAM	75	0	19.24	19.34	19.43				
15	256QAM	1	0	17.93	17.90	17.89				
15	256QAM	1	27	17.76	17.79	17.74				
15	256QAM	1	74	17.78	17.96	18.07	19.2	1.6		
15	256QAM	36	0	18.01	17.75	17.92				
15	256QAM	36	20	17.91	18.01	17.85				
15	256QAM	36	36	17.90	17.86	17.89				
15	256QAM	75	0	17.81	17.81	17.79	19.2	1.6		
Channel				37960	38000	38200				
Frequency (MHz)				2615	2606	2615				
10	QPSK	1	0	19.68	19.60	19.57	20.8	0		
10	QPSK	1	25	19.35	19.65	19.57				
10	QPSK	1	48	19.45	19.63	19.46				
10	QPSK	25	0	19.68	19.65	19.62				
10	QPSK	25	12	19.43	19.47	19.58	20.8	0		
10	QPSK	25	24	19.44	19.45	19.46				
10	QPSK	50	0	19.38	19.45	19.69				
10	HQAM	1	0	19.37	19.53	19.53				
10	HQAM	1	25	19.39	19.48	19.50	20.8	0		
10	HQAM	1	49	19.62	19.35	19.41				
10	HQAM	25	0	19.42	19.46	19.51				
10	HQAM	25	12	19.32	19.46	19.36				
10	HQAM	25	25	19.42	19.45	19.36	20.8	0		
10	HQAM	50	0	19.17	19.40	19.32				
10	HQAM	1	0	19.34	19.26	19.43				
10	HQAM	1	25	19.32	19.20	19.30	20.8	0		
10	HQAM	1	49	19.45	19.60	19.55				
10	HQAM	25	0	18.44	19.37	19.40				
10	HQAM	25	12	19.27	19.23	19.46				
10	HQAM	25	25	19.31	19.48	19.40	20.8	0		
10	HQAM	50	0	19.32	19.20	19.47				
10	256QAM	1	0	17.82	17.87	18.06	19.2	1.6		
10	256QAM	1	25	17.86	17.74	17.82				
10	256QAM	1	49	17.76	17.85	17.97				
10	256QAM	25	0	17.85	17.72	17.83				
10	256QAM	25	12	18.05	17.89	17.96	19.2	1.6		
10	256QAM	25	25	17.70	17.89	17.81				
10	256QAM	50	0	17.80	17.80	17.84				
Channel				37775	38000	38225				
Frequency (MHz)				2615	2606	2615				
5	QPSK	1	0	19.63	19.68	19.66	20.8	0		
5	QPSK	1	12	19.46	19.67	19.50				
5	QPSK	1	24	19.48	19.58	19.61				
5	QPSK	12	0	19.67	19.66	19.67				
5	QPSK	12	7	19.44	19.57	19.47	20.8	0		
5	QPSK	12	11	19.35	19.51	19.64				
5	QPSK	25	0	19.68	19.48	19.44				
5	HQAM	1	0	19.35	19.44	19.59				
5	HQAM	1	12	19.31	19.40	19.47	20.8	0		
5	HQAM	1	24	19.51	19.37	19.43				
5	HQAM	12	0	19.55	19.60	19.58				
5	HQAM	12	7	19.39	19.45	19.36				
5	HQAM	12	13	18.44	19.57	19.45	20.8	0		
5	HQAM	25	0	19.34	19.36	19.41				
5	HQAM	1	0	19.49	19.37	19.63				
5	HQAM	1	12	19.41	19.38	19.33				
5	HQAM	1	24	19.60	19.45	19.45	20.8	0		
5	HQAM	12	0	19.55	19.48	19.36				
5	HQAM	12	7	19.34	19.20	19.47				
5	HQAM	12	13	19.38	19.52	19.42				
5	HQAM	25	0	19.33	19.17	19.42	20.8	0		

Band 41 Ant0																
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Mode Ch / Freq	Power Mode Ch / Freq	Power High Mode Ch / Freq	Power High Ch / Freq	Time-up limit (dBm)	MPE (dB)						
Channel																
Frequency (MHz)																
20	QPSK	1	0	19.36	19.52	19.73	19.79	19.88	20.8	0						
20	QPSK	1	49	19.33	19.44	19.52	19.53	19.63								
20	QPSK	1	99	19.38	19.46	19.64	19.51	19.67								
20	QPSK	50	0	19.34	19.51	19.68	19.58	19.47								
20	QPSK	50	24	19.28	19.44	19.65	19.51	19.48	20.8	0						
20	QPSK	50	50	19.33	19.37	19.58	19.51	19.55								
20	QPSK	100	0	19.32	19.47	19.55	19.55	19.47								
20	16QAM	1	0	19.37	19.47	19.60	19.59	19.52								
20	16QAM	1	49	19.29	19.40	19.49	19.51	19.43	20.8	0						
20	16QAM	1	99	19.32	19.38	19.55	19.51	19.67								
20	16QAM	50	0	19.17	19.32	19.63	19.58	19.60								
20	16QAM	50	24	19.31	19.22	19.49	19.55	19.60								
20	16QAM	50	50	19.25	19.33	19.61	19.38	19.64	20.8	0						
20	16QAM	100	0	19.39	19.35	19.56	19.58	19.60								
20	64QAM	1	0	19.18	19.34	19.58	19.68	19.68								
20	64QAM	1	49	19.32	19.45	19.45	19.43	19.48								
20	64QAM	1	99	19.39	19.25	19.56	19.44	19.58	20.8	0						
20	64QAM	50	0	19.28	19.49	19.65	19.59	19.65								
20	64QAM	50	24	19.34	19.20	19.68	19.65	19.49								
20	64QAM	50	50	19.39	19.37	19.51	19.43	19.44								
20	64QAM	100	0	19.28	19.39	19.50	19.45	19.68	20.8	0						
20	256QAM	1	0	17.63	17.81	18.14	18.14	18.06								
20	256QAM	1	49	17.65	17.79	18.12	18.11	18.06								
20	256QAM	1	99	17.61	17.78	17.85	17.87	17.79								
20	256QAM	50	0	17.67	17.79	18.05	17.97	17.79	19	1.8						
20	256QAM	50	24	17.72	17.84	18.05	17.89	17.80								
20	256QAM	50	50	17.62	17.78	17.88	17.81	17.89								
20	256QAM	100	0	17.62	17.77	18.00	17.87	17.78								
Channel																
Frequency (MHz)																
19	QPSK	1	0	19.34	19.25	19.62	19.51	19.45	20.80	0						
19	QPSK	1	49	19.38	19.44	19.52	19.52	19.63								
19	QPSK	1	99	19.19	19.52	19.47	19.48	19.47								
19	QPSK	36	0	19.34	19.27	19.54	19.54	19.45								
19	QPSK	36	39	19.38	19.45	19.48	19.48	19.45	20.8	0						
19	QPSK	36	99	19.19	19.52	19.48	19.50	19.34								
19	QPSK	75	0	19.21	19.33	19.49	19.54	19.37								
19	16QAM	1	0	19.31	19.40	19.56	19.59	19.54								
19	16QAM	1	37	19.28	19.33	19.44	19.49	19.58	20.8	0						
19	16QAM	1	74	19.25	19.31	19.53	19.57	19.29								
19	16QAM	36	0	19.12	19.44	19.56	19.50	19.48								
19	16QAM	36	39	19.21	19.28	19.59	19.32	19.58								
19	16QAM	36	99	19.33	19.37	19.48	19.48	19.45	20.8	0						
19	16QAM	75	0	19.30	19.25	19.38	19.42	19.53								
19	64QAM	1	0	19.20	19.40	19.65	19.52	19.48								
19	64QAM	1	37	19.18	19.37	19.55	19.47	19.47								
19	64QAM	1	74	19.19	19.43	19.54	19.58	19.34	20.8	0						
19	64QAM	36	0	19.23	19.32	19.58	19.47	19.57								
19	64QAM	36	39	19.25	19.45	19.47	19.49	19.57								
19	64QAM	36	99	19.24	19.48	19.49	19.40	19.49								
19	64QAM	75	0	19.12	19.37	19.49	19.37	19.46	20.8	0						
19	256QAM	1	0	17.72	17.77	18.05	18.07	17.85								
19	256QAM	1	37	17.71	17.69	18.14	17.97	17.88								
19	256QAM	1	74	17.72	17.80	17.86	17.86	17.86								
19	256QAM	36	0	17.55	17.77	17.89	17.84	17.86	19	1.8						
19	256QAM	36	39	17.55	17.69	17.83	17.91	17.80								
19	256QAM	36	99	17.58	17.62	17.86	17.86	17.78								
19	256QAM	75	0	17.62	17.78	18.01	17.86	17.68								
Channel																
Frequency (MHz)																
19	QPSK	1	0	19.24	19.33	19.62	19.59	19.61	20.80	0						
19	QPSK	1	25	19.28	19.30	19.55	19.48	19.45								
19	QPSK	1	99	19.27	19.31	19.48	19.49	19.49								
19	QPSK	25	0	19.29	19.10	19.60	19.44	19.25								
19	QPSK	25	12	19.26	19.36	19.59	19.59	19.48	20.8	0						
19	QPSK	25	19	19.13	19.38	19.47	19.38	19.47								
19	QPSK	50	0	19.20	19.32	19.67	19.56	19.46								
19	16QAM	1	0	19.27	19.28	19.44	19.47	19.45								
19	16QAM	1	25	19.25	19.40	19.29	19.44	19.29	20.8	0						
19	16QAM	1	49	19.31	19.40	19.39	19.21	19.48								
19	16QAM	25	0	19.31	19.08	19.63	19.53	19.42								
19	16QAM	25	12	19.27	19.37	19.53	19.34	19.51								
19	16QAM	25	25	19.27	19.11	19.48	19.53	19.47	20.8	0						
19	16QAM	50	0	19.32	19.28	19.38	19.42	19.53								
19	64QAM	1	0	19.12	19.47	19.34	19.24	19.48								
19	64QAM	1	25	19.29	19.44	19.34	19.41	19.53								
19	64QAM	1	49	19.07	19.31	19.41	19.31	19.42	20.8	0						
19	64QAM	25	0	19.30	19.18	19.63	19.39	19.34								
19	64QAM	25	12	19.23	19.27	19.34	19.39	19.60								
19	64QAM	25	25	19.14	19.37	19.26	19.35	19.44								
19	64QAM	50	0	19.24	19.20	19.48	19.25	19.58	19	1.8						
19	256QAM	1	0	17.60	17.73	17.80	17.85	17.65								
19	256QAM	1	25	17.46	17.62	17.90	17.76	17.58								
19	256QAM	1	49	17.58	17.59	17.92	17.80	17.63								
19	256QAM	25	0	17.67	17.60	17.87	17.80	17.69	19	1.8						
19	256QAM	25	12	17.79	17.62	18.02	17.72	17.86								
19	256QAM	25	25	17.68	17.71	17.91	17.77	17.89								
19	256QAM	50	0	17.72	17.73	17.83	17.86	17.72								
Channel																
Frequency (MHz)																
5	QPSK	1	0	19.32	19.27	19.50	19.40	19.42	20.80	0						
5	QPSK	1	12	19.32	19.28	19.48	19.38	19.67								
5	QPSK	1	24	19.27	19.32	19.45	19.34	19.55								
5	QPSK	12	0	19.16	19.22	19.48	19.40	19.30								
5	QPSK	12	7	19.21	19.22	19.53	19.52	19.61	20.8	0						
5	QPSK	12	19	19.08	19.48	19.53	19.37	19.27								
5	QPSK	25	0	19.37	19.32	19.68	19.53	19.46								
5	16QAM	1	0	19.22	19.36	19.60	19.59	19.44								
5	16QAM	1	12	19.27	19.25	19.55	19.49	19.29	20.8	0						
5	16QAM	1	24	19.15	19.30	19.47	19.37	19.55								
5	16QAM	12	0	19.31	19.44	19.47	19.46	19.48								
5	16QAM	12	19	19.16	19.36	19.49	19.46	19.49								
5	16QAM	12	13	19.15	19.41	19.26	19.29	19.47	20.8	0						
5	16QAM	12	19	19.24	19.19	19.35	19.34	19.54								
5	64QAM	1	0	19.15	19.13	19.35	19.54	19.61								
5	64QAM	1	12	19.19	19.27	19.30	19.28	19.47								
5	64QAM	1	24	19.18	19.13	19.34	19.48	19.44	20.8	0						
5	64QAM	12	0	19.36	19.08	19.05	19.38	19.32								
5	64QAM	12	13	19.22	19.43	19.47	19.33	19.56								
5	64QAM	12	19	19.23	19.34	19.34	19.34	19.48								
5	64QAM	25	0	19.28	19.23	19.28	19.25	19.54	20.8	0						
5	64QAM	25	12	19.27	19.16	19.27	19.27	19.55								
5	256QAM	1	0	17.63	17.70	17.75	17.80	17.67								
5	256QAM	1	24	17.56	17.62	17.81	17.75	17.67								
5	256QAM	12	0	17.58	17.68	17.81	17.72	17.81	19	1.8						
5	256QAM	12	7	17.73	17.82	17.89	17.72	17.77								
5	256QAM	12	13	17.66	17.78	17.81	17.72	17.81								
5	256QAM	25	0	17.67	17.67	17.86	17.79	17.61								
Channel																
Frequency (MHz)																

Band 5 Ant1									
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									
				20450	20520	20590			
10	QPSK	1	0	22.55	22.61	22.53	23.5	0	
10	QPSK	1	25	22.49	22.56	22.50			
10	QPSK	1	49	22.50	22.48	22.49			
10	QPSK	25	12	21.98	22.03	21.98			
10	QPSK	25	26	21.94	21.98	21.93			
10	QPSK	50	0	22.03	22.10	21.99	23	0.5	
10	16QAM	1	0	22.10	22.28	22.16			
10	16QAM	1	25	21.96	22.12	22.04			
10	16QAM	1	49	21.99	22.05	21.99			
10	16QAM	25	12	21.08	21.15	21.09			
10	16QAM	25	26	20.96	21.03	20.93	22	1.5	
10	64QAM	1	0	21.04	21.21	21.18			
10	64QAM	1	25	21.07	21.16	20.98			
10	64QAM	1	49	21.00	21.03	20.99			
10	64QAM	25	0	19.90	20.08	19.90			
10	64QAM	25	12	20.10	20.13	19.97	21	2.5	
10	64QAM	25	26	19.97	20.08	20.02			
10	256QAM	1	0	18.10	18.21	18.12			
10	256QAM	1	25	17.96	18.02	17.97			
10	256QAM	1	49	17.92	18.03	17.94			
10	256QAM	25	0	18.06	18.18	18.04	19	4.5	
10	256QAM	25	12	18.14	18.19	18.15			
10	256QAM	25	26	17.95	18.03	17.89			
10	256QAM	50	0	17.87	17.97	17.89			
Channel									
				20450	20520	20590	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	22.51	22.50	22.40	23.5	0	
5	QPSK	1	12	22.38	22.50	22.35			
5	QPSK	1	24	22.38	22.45	22.35			
5	QPSK	12	0	21.98	22.13	21.92			
5	QPSK	12	7	21.84	21.89	21.76			
5	QPSK	12	14	21.92	21.92	21.83	23	0.5	
5	QPSK	26	0	22.01	22.13	21.95			
5	16QAM	1	0	21.94	22.18	22.02			
5	16QAM	1	12	21.80	21.96	21.83			
5	16QAM	1	24	21.97	21.90	21.82			
5	16QAM	12	0	21.00	21.10	20.99	22	1.5	
5	16QAM	12	7	20.89	21.08	21.05			
5	16QAM	12	13	20.85	20.86	20.89			
5	16QAM	25	0	20.98	21.18	21.01			
5	64QAM	1	0	20.87	21.14	21.08			
5	64QAM	1	12	21.01	21.13	20.88	22	1.5	
5	64QAM	1	24	20.92	20.99	20.84			
5	64QAM	12	0	19.83	19.99	19.89			
5	64QAM	12	7	20.03	20.08	19.91			
5	64QAM	12	13	19.86	20.03	19.88			
5	64QAM	25	0	19.72	19.84	19.74	21	2.5	
5	256QAM	1	0	17.95	18.13	17.95			
5	256QAM	1	12	17.83	17.98	17.85			
5	256QAM	1	24	17.81	17.98	17.85			
5	256QAM	12	0	17.95	18.10	17.94			
5	256QAM	12	7	18.11	18.09	18.07	19	4.5	
5	256QAM	12	13	17.77	17.80	17.80			
5	256QAM	25	0	17.83	17.85	17.81			
Channel									
				20450	20520	20590	Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	22.49	22.57	22.41	23.5	0	
3	QPSK	1	8	22.32	22.42	22.39			
3	QPSK	1	14	22.22	22.37	22.34			
3	QPSK	8	0	22.04	22.10	21.99			
3	QPSK	8	4	21.91	21.88	21.83			
3	QPSK	8	7	21.83	21.88	21.83	23	0.5	
3	QPSK	16	0	22.01	22.07	21.91			
3	16QAM	1	0	21.93	22.22	22.13			
3	16QAM	1	8	21.92	22.10	21.82			
3	16QAM	1	14	21.89	21.88	21.83			
3	16QAM	8	0	20.97	21.13	20.95	22	1.5	
3	16QAM	8	4	20.87	21.09	21.03			
3	16QAM	8	7	20.93	20.86	20.82			
3	16QAM	16	0	21.07	21.19	20.97			
3	64QAM	1	0	20.91	21.15	21.10			
3	64QAM	1	8	20.99	21.03	20.85	22	1.5	
3	64QAM	1	14	20.92	20.97	20.75			
3	64QAM	8	0	19.86	19.97	19.83			
3	64QAM	8	4	19.98	20.05	19.94			
3	64QAM	8	7	19.79	19.87	19.80			
3	64QAM	16	0	19.78	19.89	19.69	21	2.5	
3	256QAM	1	0	17.99	18.13	17.98			
3	256QAM	1	8	17.79	17.81	17.88			
3	256QAM	1	14	17.80	17.88	17.86			
3	256QAM	8	0	17.93	18.05	17.99			
3	256QAM	8	4	18.06	18.16	18.07	19	4.5	
3	256QAM	8	7	17.88	17.95	17.83			
3	256QAM	16	0	17.81	17.82	17.85			
Channel									
				20467	20520	20594	Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	22.39	22.50	22.50	23.5	0	
1.4	QPSK	1	3	22.39	22.40	22.42			
1.4	QPSK	1	14	22.23	22.45	22.30			
1.4	QPSK	3	0	21.95	22.05	21.92			
1.4	QPSK	3	1	21.85	22.00	21.83			
1.4	QPSK	3	3	21.87	21.88	21.88	23	0.5	
1.4	QPSK	6	0	21.91	22.01	21.88			
1.4	16QAM	1	0	22.05	22.17	22.12			
1.4	16QAM	1	3	21.92	22.08	21.87			
1.4	16QAM	1	5	21.97	22.03	21.86			
1.4	16QAM	3	0	21.69	22.19	22.03	23	0.5	
1.4	16QAM	3	1	21.90	21.98	21.92			
1.4	16QAM	3	3	21.79	21.89	21.87			
1.4	16QAM	6	0	20.96	21.20	20.98			
1.4	64QAM	1	0	20.90	21.04	21.14			
1.4	64QAM	1	3	21.01	21.08	20.80	22	1.5	
1.4	64QAM	1	6	20.93	20.99	20.75			
1.4	64QAM	3	0	20.81	20.94	20.68			
1.4	64QAM	3	1	20.94	21.00	20.84			
1.4	64QAM	3	3	20.90	20.93	20.80			
1.4	64QAM	6	0	19.72	19.83	19.62	21	2.5	
1.4	256QAM	1	0	17.95	18.17	18.07			
1.4	256QAM	1	3	17.78	17.86	17.86			
1.4	256QAM	1	5	17.89	17.99	17.85			
1.4	256QAM	3	0	17.94	18.06	17.93			
1.4	256QAM	3	6	18.02	18.15	17.89	19	4.5	
1.4	256QAM	3	3	17.82	17.99	17.72			
1.4	256QAM	6	0	17.83	17.82	17.85			

Band 7 Ant1									
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									
				20560	21100	21360			
20	QPSK	1	0	18.81	18.88	18.84	17.8	0	
20	QPSK	1	49	18.62	18.81	18.83			
20	QPSK	1	99	18.73	18.85	18.82	17.8	0	
20	QPSK	1	149	18.65	18.81	18.83			
20	QPSK	50	24	18.67	18.86	18.70	17.8	0	
20	QPSK	50	59	18.66	18.67	18.85			
20	QPSK	50	109	18.68	18.82	18.77	17.8	0	
20	QPSK	1	0	18.79	18.84	18.66			
20	HQAM	1	49	18.74	18.71	18.83	17.8	0	
20	HQAM	1	99	18.75	18.73	18.63			
20	HQAM	50	0	18.67	18.81	18.70	17.8	0	
20	HQAM	50	24	18.74	18.63	18.83			
20	HQAM	50	74	18.65	18.82	18.74	17.8	0	
20	HQAM	100	0	18.77	18.80	18.66			
20	HQAM	50	0	18.64	18.65	18.82	17.8	0	
20	HQAM	1	99	18.70	18.76	18.73			
20	HQAM	50	0	18.65	18.72	18.82	17.8	0	
20	HQAM	1	149	18.62	18.80	18.79			
20	HQAM	50	59	18.60	18.78	18.63	17.8	0	
20	HQAM	100	0	18.72	18.76	18.71			
20	HQAM	50	0	18.64	18.66	18.77	17.8	0	
20	HQAM	1	49	18.79	18.81	18.65			
20	HQAM	50	99	18.73	18.63	18.77	17.8	0	
20	HQAM	1	149	18.61	18.65	18.77			
20	HQAM	50	24	18.79	18.82	18.62	17.8	0	
20	HQAM	100	0	18.77	18.81	18.79			
20	HQAM	50	0	18.67	18.61	18.84	17.8	0	
Channel				20660	21100	21370			
				20660	21100	21370	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	18.74	18.62	18.78	17.8	0	
15	QPSK	1	37	18.75	18.81	18.63			
15	QPSK	1	74	18.77	18.83	18.72	17.8	0	
15	QPSK	1	111	18.68	18.78	18.72			
15	QPSK	30	24	18.74	18.64	18.72	17.8	0	
15	QPSK	30	39	18.74	18.62	18.79			
15	QPSK	30	74	18.67	18.72	18.83	17.8	0	
15	HQAM	1	0	18.78	18.65	18.79			
15	HQAM	1	37	18.59	18.60	18.86	17.8	0	
15	HQAM	1	74	18.77	18.77	18.63			
15	HQAM	30	0	18.75	18.76	18.64	17.8	0	
15	HQAM	30	20	18.62	18.62	18.85			
15	HQAM	30	50	18.74	18.60	18.77	17.8	0	
15	HQAM	75	0	18.81	18.74	18.77			
15	HQAM	1	0	18.66	18.79	18.77	17.8	0	
15	HQAM	1	37	18.74	18.63	18.82			
15	HQAM	30	0	18.68	18.75	18.64	17.8	0	
15	HQAM	1	74	18.60	18.75	18.64			
15	HQAM	30	0	18.72	18.63	18.85	17.8	0	
15	HQAM	1	111	18.61	18.65	18.77			
15	HQAM	30	39	18.75	18.64	18.77	17.8	0	
15	HQAM	75	0	18.59	18.68	18.90			
15	HQAM	1	0	18.63	18.73	18.73	17.8	0	
15	HQAM	1	37	18.74	18.69	18.63			
15	HQAM	1	74	18.63	18.72	18.73	17.8	0	
15	HQAM	1	111	18.62	18.75	18.63			
15	HQAM	30	20	18.72	18.66	18.78	17.8	0	
15	HQAM	30	39	18.61	18.70	18.83			
15	HQAM	75	0	18.78	18.74	18.72	17.8	0	
Channel				20660	21100	21400			
				20660	21100	21400	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	18.73	18.61	18.76	17.8	0	
10	QPSK	1	26	18.67	18.71	18.74			
10	QPSK	1	49	18.59	18.68	18.75	17.8	0	
10	QPSK	1	75	18.61	18.68	18.65			
10	QPSK	25	12	18.75	18.63	18.65	17.8	0	
10	QPSK	25	26	18.78	18.64	18.74			
10	QPSK	25	50	18.76	18.61	18.74	17.8	0	
10	HQAM	1	0	18.84	18.65	18.71			
10	HQAM	1	25	18.68	18.70	18.62	17.8	0	
10	HQAM	1	50	18.69	18.68	18.74			
10	HQAM	25	0	18.60	18.68	18.77	17.8	0	
10	HQAM	25	12	18.67	18.81	18.63			
10	HQAM	25	26	18.68	18.69	18.64	17.8	0	
10	HQAM	50	0	18.72	18.81	18.65			
10	HQAM	1	0	18.73	18.62	18.62	17.8	0	
10	HQAM	1	26	18.69	18.69	18.67			
10	HQAM	25	0	18.74	18.62	18.73	17.8	0	
10	HQAM	25	26	18.69	18.72	18.75			
10	HQAM	25	50	18.60	18.69	18.64	17.8	0	
10	HQAM	50	0	18.76	18.63	18.81			
10	HQAM	1	26	18.63	18.74	18.70	17.8	0	
10	HQAM	1	49	18.72	18.78	18.66			
10	HQAM	25	12	18.67	18.83	18.66	17.8	0	
10	HQAM	25	26	18.68	18.68	18.64			
10	HQAM	50	0	18.79	18.74	18.65	17.8	0	
10	HQAM	1	0	18.60	18.69	18.77			
10	HQAM	1	26	18.68	18.78	18.66	17.8	0	
10	HQAM	1	49	18.74	18.74	18.64			
10	HQAM	25	12	18.63	18.81	18.64	17.8	0	
10	HQAM	25	26	18.68	18.68	18.63			
10	HQAM	50	0	18.79	18.74	18.65	17.8	0	
10	HQAM	1	0	18.60	18.69	18.77			
10	HQAM	1	26	18.68	18.78	18.66	17.8	0	
10	HQAM	1	49	18.74	18.74	18.64			
10	HQAM	25	12	18.63	18.81	18.64	17.8	0	
10	HQAM	25	26	18.68	18.68	18.63			
10	HQAM	50	0	18.79	18.74	18.65	17.8	0	
10	HQAM	1	0	18.60	18.69	18.77			
10	HQAM	1	26	18.68	18.78	18.66	17.8	0	
10	HQAM	1	49	18.74	18.74	18.64			
10	HQAM	25	12	18.63	18.81	18.64	17.8	0	
10	HQAM	25	26	18.68	18.68	18.63			
10	HQAM	50	0	18.79	18.74	18.65	17.8	0	
10	HQAM	1	0	18.60	18.69	18.77			
10	HQAM	1	26	18.68	18.78	18.66	17.8	0	
10	HQAM	1	49	18.74	18.74	18.64			
10	HQAM	25	12	18.63	18.81	18.64	17.8	0	
10	HQAM	25	26	18.68	18.68	18.63			
10	HQAM	50	0	18.79	18.74	18.65	17.8	0	
10	HQAM	1	0	18.60	18.69	18.77			
10	HQAM	1	26	18.68	18.78	18.66	17.8	0	
10	HQAM	1	49	18.74	18.74	18.64			
10	HQAM	25	12	18.63	18.81	18.64	17.8	0	
10	HQAM	25	26	18.68	18.68	18.63			
10	HQAM	50	0	18.79	18.74	18.65	17.8	0	
10	HQAM	1	0	18.60	18.69	18.77			
10	HQAM	1	26	18.68	18.78	18.66	17.8	0	
10	HQAM	1	49	18.74	18.74	18.64			
10	HQAM	25	12	18.63	18.81	18.64	17.8	0	
10	HQAM	25	26	18.68	18.68	18.63			
10	HQAM	50	0	18.79	18.74	18.65	17.8	0	
10	HQAM	1	0	18.60	18.69	18.77			
10	HQAM	1	26	18.68	18.78	18.66	17.8	0	
10	HQAM	1	49	18.74	18.74	18.64			
10	HQAM	25	12	18.63	18.81	18.64	17.8	0	
10	HQAM	25	26	18.68	18.68	18.63			
10	HQAM	50	0	18.79	18.74	18.65	17.8	0	
10	HQAM	1	0	18.60	18.69	18.77			
10	HQAM	1	26	18.68	18.78	18.66	17.8	0	
10	HQAM	1	49	18.74	18.74	18.64			
10	HQAM	25	12	18.63	18.81	18.64	17.8	0	
10	HQAM	25	26	18.68	18.68	18.63			
10	HQAM	50	0	18.79	18.74	18.65	17.8	0	
10	HQAM	1	0	18.60	18.69	18.77			
10	HQAM	1	26	18.68	18.78	18.66	17.8	0	
10	HQAM	1	49	18.74	18.74	18.64			
10	HQAM	25	12	18.63	18.81	18.64	17.8	0	
10	HQAM	25	26	18.68	18.68	18.63			
10	HQAM	50	0	18.79	18.74	18.65	17.8	0	
10	HQAM	1	0	18.60	18.69	18.77			
10	HQAM	1	26	18.68	18.78	18.66	17.8	0	
10	HQAM	1	49	18.74	18.74	18.64			
10	HQAM	25	12	18.63	18.81	18.64	17.8	0	
10	HQAM	25	26	18.68	18.68	18.63			
10	HQAM	50	0	18.79	18.74	18.65	17.8	0	
10	HQAM	1	0	18.60	18.69	18.77			
10	HQAM	1	26	18.68	18.78	18.66	17.8	0	
10	HQAM	1	49	18.74	18.74	18.64			
10	HQAM	25	12	18.63	18.81	18.64	17.8	0	
10	HQAM	25	26	18.68	18.68	18.63			
10	HQAM	50	0	18.79	18.74	18.65	17.8	0	
10	HQAM	1	0	18.60	18.69	18.77			
10	HQAM	1	26	18.68	18.78	18.66	17.8	0	
10	HQAM	1	49	18.74	18.74	18.64			
10	HQAM	25	12	18.63	18.81	18.64	17.8	0	
10	HQAM	25	26	18.68	18.68	18.63			
10	HQAM	50	0	18.79	18.74	18.65	17.8	0	
10	HQAM	1	0	18.60	18.69	18.77			
10	HQAM	1	26	18.68	18.78	18.66	17.8	0	
10	HQAM	1	49	18.74	18.74	18.64			
10	HQAM	25	12	18.63	18.81	18.64	17.8	0	
10	HQAM	25	26	18.68	18.68	18.63			
10	HQAM	50	0	18.79	18.74				

Band 42 FCCAnt2										
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				42400	42500	42600	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3460	3500	3540				
20	QPSK	1	0	18.34	18.35	18.35	19	0		
20	QPSK	1	48	18.08	18.25	18.23				
20	QPSK	1	99	18.25	18.18	18.14				
20	QPSK	50	0	18.31	18.32	18.30				
20	QPSK	50	24	18.27	18.32	18.10	19	0		
20	QPSK	50	50	18.08	18.20	18.05				
20	QPSK	100	0	18.24	18.25	18.24				
20	16QAM	1	0	18.04	18.27	18.07				
20	16QAM	1	48	18.24	18.28	18.12	19	0		
20	16QAM	1	99	18.16	18.37	18.14				
20	16QAM	50	0	18.20	18.24	18.15				
20	16QAM	50	24	18.20	18.21	18.13				
20	16QAM	50	50	18.10	18.10	18.08	19	0		
20	16QAM	100	0	18.09	18.10	18.17				
20	16QAM	1	0	18.03	18.10	18.17				
20	16QAM	1	48	18.06	18.32	18.07				
20	16QAM	1	99	18.16	18.30	18.17	19	0		
20	16QAM	50	0	18.03	18.10	18.14				
20	16QAM	50	24	18.19	18.34	18.15				
20	16QAM	50	50	18.22	18.18	18.18				
20	16QAM	100	0	18.12	18.03	18.08	19	0		
20	256QAM	1	0	18.11	18.19	18.17				
20	256QAM	1	48	18.27	18.26	18.18				
20	256QAM	1	99	18.19	18.15	18.02				
20	256QAM	50	0	18.10	18.30	18.04	19	0		
20	256QAM	50	24	18.22	18.25	18.15				
20	256QAM	50	50	18.03	18.30	18.01				
20	256QAM	100	0	18.18	18.34	18.18				
Channel				42400	42500	42600	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3467.5	3500	3542.5				
15	QPSK	1	0	18.21	18.32	18.16	18	0		
15	QPSK	1	37	18.20	18.27	18.05				
15	QPSK	1	74	18.05	18.22	17.99				
15	QPSK	36	0	18.20	18.15	18.20				
15	QPSK	36	20	18.08	18.18	18.13	19	0		
15	QPSK	36	39	18.08	18.18	18.04				
15	QPSK	75	0	18.04	18.20	18.10				
15	16QAM	1	0	18.20	18.38	18.09				
15	16QAM	1	37	18.18	18.22	18.19	19	0		
15	16QAM	1	74	18.20	18.29	18.08				
15	16QAM	36	0	18.14	18.27	18.06				
15	16QAM	36	39	18.14	18.27	18.06				
15	16QAM	36	20	18.21	18.37	17.98	19	0		
15	16QAM	36	39	18.22	18.10	18.14				
15	16QAM	75	0	18.07	18.23	18.05				
15	16QAM	1	0	18.07	18.37	18.19				
15	16QAM	1	37	18.13	18.35	18.22	19	0		
15	16QAM	1	74	18.20	18.18	18.04				
15	16QAM	36	0	18.19	18.22	18.18				
15	16QAM	36	20	18.23	18.07	18.15				
15	16QAM	36	39	18.09	18.28	18.21	19	0		
15	16QAM	75	0	18.05	18.32	18.01				
15	256QAM	1	0	18.11	18.35	17.88				
15	256QAM	1	37	18.09	18.27	18.04				
15	256QAM	1	74	18.02	18.30	18.17	19	0		
15	256QAM	36	0	18.09	18.20	17.95				
15	256QAM	36	20	18.09	18.17	18.09				
15	256QAM	36	39	18.15	18.24	18.12				
15	256QAM	75	0	18.08	18.35	18.20	19	0		
Channel				42440	42560	42680				
Frequency (MHz)				3465	3500	3540				
10	QPSK	1	0	18.12	18.33	18.18	19	0		
10	QPSK	1	25	18.22	18.30	18.08				
10	QPSK	1	49	18.10	18.24	18.18				
10	QPSK	25	0	18.16	18.24	18.17				
10	QPSK	25	12	18.08	18.16	18.18	19	0		
10	QPSK	25	25	18.11	18.34	18.05				
10	QPSK	50	0	18.03	18.23	18.15				
10	16QAM	1	0	18.13	18.30	18.02				
10	16QAM	1	25	18.04	18.32	18.07	19	0		
10	16QAM	1	49	18.03	18.18	18.21				
10	16QAM	25	0	18.16	18.22	18.01				
10	16QAM	25	12	18.21	18.28	18.13				
10	16QAM	25	25	18.09	18.07	18.01	19	0		
10	16QAM	50	0	18.15	18.18	18.03				
10	16QAM	1	0	18.20	18.24	18.10				
10	16QAM	1	25	18.09	18.32	18.07				
10	16QAM	1	49	18.15	18.10	18.09	19	0		
10	16QAM	25	0	18.13	18.15	18.07				
10	16QAM	25	12	18.20	18.10	18.05				
10	16QAM	25	25	18.03	18.22	18.08				
10	16QAM	50	0	18.08	18.31	18.05	19	0		
10	256QAM	1	0	18.03	18.24	18.13				
10	256QAM	1	25	18.13	18.34	18.19				
10	256QAM	1	49	18.17	18.35	18.20				
10	256QAM	25	0	18.14	18.23	18.10	19	0		
10	256QAM	25	12	18.09	18.19	18.11				
10	256QAM	25	25	18.18	18.25	18.13				
10	256QAM	12	13	18.02	18.18	18.12				
10	16QAM	25	0	18.04	18.15	18.18	19	0		
10	16QAM	1	0	18.18	18.30	18.21				
10	16QAM	1	12	18.14	18.24	17.99				
10	16QAM	1	24	18.01	18.35	18.10				
10	16QAM	12	0	18.20	18.38	18.22	19	0		
10	16QAM	12	7	18.14	18.30	18.11				
10	16QAM	12	13	18.05	18.31	18.22				
10	16QAM	25	0	18.22	18.29	18.14				
10	256QAM	1	0	18.00	18.31	18.14	19	0		
10	256QAM	1	12	18.02	18.16	18.15				
10	256QAM	1	24	18.07	18.15	18.02				
10	256QAM	12	0	18.24	18.20	18.18				
10	256QAM	12	7	18.12	18.20	18.03	19	0		
10	256QAM	12	13	18.01	18.28	18.19				
10	256QAM	25	0	18.09	18.35	18.14				



Reduced Power Mode for WWAN DSI 6-Standalone

GSM1900 A/B		Base Average Power (dBm)			Turn-up		Flatten Average Power (dBm)			Turn-up	
Tx Channel		812	868	812	Limit	812	868	812	Limit	812	Limit
Frequency (MHz)		824.2	836.4	848.6	(dBm)	824.2	836.4	848.6	(dBm)	824.2	836.4
GSM 1 Tx visit		22.86	22.23	22.86	33.00	23.89	23.11	22.86	24.00	22.86	24.00
GPRS 1 Tx visit		32.80	32.65	32.88	33.00	33.80	33.65	33.80	34.00	32.80	34.00
GPRS 2 Tx visit		30.76	30.34	30.42	31.00	34.76	34.34	34.42	35.00	30.76	35.00
GPRS 3 Tx visit		29.19	29.52	29.16	30.00	24.93	24.59	24.93	25.00	29.19	25.00
GPRS 4 Tx visit		27.88	27.69	27.56	28.00	24.68	24.62	24.68	26.00	27.88	26.00
EDGE 1 Tx visit		20.74	20.71	20.70	27.00	17.74	17.71	17.70	18.00	20.74	18.00
EDGE 2 Tx visit		20.72	20.67	20.68	27.00	19.72	19.67	19.68	21.00	20.72	21.00
EDGE 3 Tx visit		20.67	20.16	20.21	25.00	20.11	19.62	19.67	21.00	20.67	21.00
EDGE 4 Tx visit		21.02	22.52	21.30	24.00	19.02	19.54	19.30	21.00	21.02	21.00

GSM1900 A/B		Base Average Power (dBm)			Turn-up		Flatten Average Power (dBm)			Turn-up	
Tx Channel		812	868	812	Limit	812	868	812	Limit	812	Limit
Frequency (MHz)		824.2	836.4	848.6	(dBm)	824.2	836.4	848.6	(dBm)	824.2	836.4
GSM 1 Tx visit		30.07	30.04	30.00	30.00	21.07	21.04	21.00	21.00	30.07	30.00
GPRS 1 Tx visit		30.19	30.35	30.18	30.00	21.19	21.32	21.18	21.00	30.19	21.00
GPRS 2 Tx visit		27.04	27.20	27.38	28.00	21.04	21.20	21.38	22.00	27.04	22.00
GPRS 3 Tx visit		26.18	26.37	26.23	27.00	21.62	22.11	21.97	23.00	26.18	23.00
GPRS 4 Tx visit		24.60	24.78	24.71	26.00	21.60	21.78	21.71	23.00	24.60	23.00
EDGE 1 Tx visit		20.67	20.17	20.79	27.00	18.67	17.17	18.79	18.00	20.67	18.00
EDGE 2 Tx visit		20.62	20.17	20.69	26.00	18.62	18.17	18.69	26.00	20.62	26.00
EDGE 3 Tx visit		20.50	20.70	20.38	24.00	19.24	19.44	19.12	20.00	20.50	20.00
EDGE 4 Tx visit		21.08	22.54	21.77	23.00	18.98	19.54	18.77	20.00	21.08	20.00

Band		WCDMA 8 A/B			Turn-up		WCDMA 11 A/B			Turn-up	
Tx Channel		8852	8940	8938	Limit	8852	8940	8938	Limit	8852	Limit
Frequency (MHz)		8852	8940	8938	(dBm)	8852	8940	8938	(dBm)	8852	Limit
SCPP Full 0		22.36	22.02	22.36	23.00	19.36	19.02	19.36	21.40	22.36	23.00
SCPP Full 0		22.95	22.02	22.97	23.00	20.36	20.02	20.37	21.40	22.95	23.00
SCPP Full 0		21.09	21.09	21.07	22.00	19.35	19.40	19.36	20.40	22.09	21.00
SCPP Full 0		21.86	22.04	21.89	22.00	19.25	19.37	19.28	20.40	22.22	22.00
SCPP Full 0		21.53	21.57	21.47	22.00	18.70	18.83	18.67	20.00	21.70	21.00
SCPP Full 0		21.37	21.47	21.39	22.00	18.94	19.05	18.84	19.90	21.68	21.00
SCPP Full 0		22.05	21.89	22.04	22.00	19.41	19.48	19.29	20.40	22.21	21.00
SCPP Full 0		21.96	21.89	21.93	22.00	19.43	19.41	19.40	20.40	22.24	21.00
SCPP Full 0		21.40	21.45	21.56	22.00	18.63	18.88	18.95	19.90	21.66	21.00
SCPP Full 0		21.40	21.41	21.63	22.00	18.67	18.94	19.08	19.90	21.66	21.00
SCPP Full 0		22.03	22.03	21.67	22.00	19.43	19.42	19.37	20.40	22.28	22.00
SCPP Full 0		22.04	19.89	22.02	20.00	17.48	17.34	17.41	18.40	20.25	20.00
SCPP Full 0		20.88	21.12	21.07	21.00	18.34	18.39	18.41	19.40	21.18	21.00
SCPP Full 0		20.52	19.93	19.93	20.00	17.40	17.38	17.27	18.40	20.18	20.00
SCPP Full 0		21.87	22.00	22.02	22.00	19.42	19.33	19.43	20.40	22.21	22.00



Band 2 Ant0											
BW [MHz]	Modulation	RB Size	RB Offset	Power Mod Ch./F.Freq.	Power Hsp Ch./F.Freq.	Power Hsp Ch./F.Freq.	Turn-up time (sec)	MPR (dB)			
Channel											
Frequency [MHz]											
20	QPSK	1	0	22.16	22.20	22.15	23.3	0			
20	QPSK	1	49	22.10	22.17	22.02					
20	QPSK	1	99	22.05	22.11	22.16					
20	QPSK	50	0	21.76	21.81	21.77	23	0.3			
20	QPSK	50	24	21.81	21.83	21.79					
20	QPSK	50	50	21.82	21.70	21.81					
20	16QAM	1	0	21.87	22.00	21.79	23	0.3			
20	16QAM	1	49	21.73	21.81	21.71					
20	16QAM	1	99	21.85	21.96	21.76					
20	16QAM	50	0	20.88	20.94	20.85	22	1.3			
20	16QAM	50	24	20.83	20.59	20.88					
20	16QAM	50	50	20.88	20.87	20.79					
20	64QAM	1	0	20.93	20.86	20.94	22	1.3			
20	64QAM	1	49	20.91	20.82	20.88					
20	64QAM	1	99	20.85	20.85	20.82					
20	64QAM	50	24	19.97	19.86	19.94	21	2.3			
20	64QAM	50	50	19.93	19.87	19.76					
20	64QAM	100	0	19.71	19.91	19.76					
20	256QAM	1	0	17.74	17.82	17.80	19	4.3			
20	256QAM	1	99	17.84	17.69	17.76					
20	256QAM	50	0	17.86	17.82	17.83					
20	256QAM	50	24	17.83	17.87	17.85	19	4.3			
20	256QAM	50	50	17.73	17.84	17.84					
20	256QAM	100	0	17.86	17.76	17.84					
Channel											
Frequency [MHz]											
15	QPSK	1	0	18.97	18.99	18.95	23.3	0			
15	QPSK	1	49	22.01	22.05	22.02					
15	QPSK	1	74	22.02	21.91	21.95					
15	QPSK	36	0	21.79	21.89	21.73	23	0.3			
15	QPSK	36	36	21.77	21.86	21.84					
15	QPSK	36	39	21.81	21.89	21.68					
15	QPSK	75	0	21.71	21.80	21.72	23	0.3			
15	16QAM	1	99	21.81	21.81	21.59					
15	16QAM	1	37	21.81	21.82	21.73					
15	16QAM	1	74	21.66	21.79	21.75	22	1.3			
15	16QAM	36	24	21.74	21.72	17.86					
15	16QAM	36	20	20.73	20.87	20.64					
15	16QAM	50	24	20.85	20.89	20.73	21	2.3			
15	16QAM	75	0	20.86	20.94	20.77					
15	64QAM	1	0	20.84	20.82	20.87					
15	64QAM	1	99	20.83	20.70	20.86	21	2.3			
15	64QAM	50	0	19.49	19.52	19.53					
15	64QAM	1	74	20.58	20.52	20.77					
15	64QAM	36	0	19.80	19.70	19.69	19	4.3			
15	64QAM	36	39	19.81	19.87	19.84					
15	64QAM	36	39	19.52	19.70	19.51					
15	64QAM	75	0	19.82	19.88	19.86	19	4.3			
15	256QAM	1	37	17.74	17.87	17.54					
15	256QAM	1	74	17.82	17.63	17.69					
15	256QAM	36	24	17.86	17.86	17.86	19	4.3			
15	256QAM	36	20	17.87	17.83	17.76					
15	256QAM	36	39	17.83	17.84	17.58					
15	256QAM	75	0	17.44	17.52	17.63	23.3	0			
15	QPSK	1	0	22.11	22.13	22.13					
15	QPSK	1	25	21.86	22.14	21.94					
15	QPSK	1	49	21.88	21.96	22.13	23	0.3			
15	QPSK	25	0	21.70	21.81	21.73					
15	QPSK	25	13	21.87	21.81	21.84					
15	QPSK	25	25	21.72	21.66	21.82	23	0.3			
15	QPSK	25	25	21.80	21.74	21.87					
15	16QAM	1	0	21.84	21.89	21.64					
15	16QAM	1	25	21.84	21.70	21.69	23	0.3			
15	16QAM	1	83	21.83	21.82	21.87					
15	16QAM	25	0	20.77	20.80	20.81					
15	16QAM	25	12	20.70	20.52	20.68	22	1.3			
15	16QAM	25	12	20.69	20.73	20.68					
15	16QAM	50	0	20.68	20.72	20.64					
15	16QAM	1	0	20.82	20.83	20.82	22	1.3			
15	64QAM	75	0	19.49	19.53	19.53					
15	64QAM	1	49	20.49	20.59	20.81					
15	64QAM	25	0	19.73	19.59	19.59	21	2.3			
15	64QAM	25	0	19.87	19.87	19.86					
15	64QAM	25	25	19.74	19.73	19.53					
15	64QAM	50	0	19.55	19.66	19.56	19	4.3			
15	256QAM	1	0	17.68	17.77	17.68					
15	256QAM	1	25	17.75	17.75	17.75					
15	256QAM	1	49	17.82	17.65	17.67	19	4.3			
15	256QAM	1	99	17.87	17.83	17.83					
15	256QAM	25	12	17.89	17.87	17.80					
15	256QAM	25	25	17.86	17.87	17.86	19	4.3			
15	256QAM	25	25	17.86	17.87	17.86					
15	256QAM	50	0	17.76	17.83	17.75					
Channel											
Frequency [MHz]											
5	QPSK	1	0	22.07	22.11	22.01	23.3	0			
5	QPSK	1	12	22.10	22.15	22.03					
5	QPSK	1	24	21.92	22.01	21.94					
5	QPSK	1	24	21.92	21.91	21.84	23	0.3			
5	QPSK	1	50	21.84	21.84	21.86					
5	QPSK	12	7	21.76	21.84	21.68					
5	QPSK	12	13	21.74	21.60	21.80	23	0.3			
5	16QAM	1	0	21.78	21.88	21.79					
5	16QAM	1	0	21.78	21.88	21.81					
5	16QAM	1	12	21.58	21.77	21.66	23	0.3			
5	16QAM	1	12	21.57	21.75	21.60					
5	16QAM	12	0	20.73	20.73	20.74					
5	16QAM	12	7	20.83	20.87	20.59	22	1.3			
5	16QAM	12	8	20.87	20.83	20.83					
5	16QAM	25	0	20.80	20.74	20.83					
5	16QAM	1	0	20.72	20.70	20.83	22	1.3			
5	64QAM	15	0	20.85	20.81	20.56					
5	64QAM	1	24	20.47	20.83	20.29					
5	64QAM	12	0	19.89	19.74	19.86	21	2.3			
5	64QAM	12	0	19.90	19.86	19.82					
5	64QAM	12	13	19.81	19.87	19.81					
5	64QAM	1	0	19.86	19.86	19.86	19	4.3			
5	64QAM	1	0	17.85	17.88	17.83					
5	256QAM	1	12	17.84	17.66	17.59					
5	256QAM	1	24	17.80	17.88	17.88	19	4.3			
5	256QAM	1	24	17.80	17.88	17.88					
5	256QAM	12	7	17.89	17.86	17.73					
5	256QAM	12	13	17.89	17.86	17.73	19	4.3			
5	256QAM	12	13	17.89	17.86	17.73					
5	256QAM	12	13	17.89	17.86	17.73					
Channel											
Frequency [MHz]											
3	QPSK	1	0	22.17	22.19	22.15	23.3	0			
3	QPSK	1	8	22.04	22.12	21.90					
3	QPSK	1	14	22.00	22.01	21.94					
3	QPSK	1	24	21.92	21.91	21.84	23	0.3			
3	QPSK	1	50	21.84	21.84	21.86					
3	QPSK	12	7	21.76	21.84	21.68					
3	QPSK	12	13	21.74	21.60	21.80	23	0.3			
3	16QAM	1	0	21.78	21.88	21.79					
3	16QAM	1	0	21.78	21.88	21.81					
3	16QAM	1	12	21.58	21.77	21.66	23	0.3			
3	16QAM	1	12	21.57	21.75	21.60					
3	16QAM	12	0	20.73	20.73	20.74					
3	16QAM	12	7	20.83	20.87	20.59	22	1.3			
3	16QAM	12	8	20.87	20.83	20.83					
3	16QAM	15	0	20.83	20.73	20.79					
3	16QAM	1	0	20.83	20.78	20.78	22	1.3			
3	64QAM	1	8	20.82	20.85	20.48					
3	64QAM	1	14	20.50	20.68	20.48					
3	64QAM	8	0	19.89	19.78	19.81	21	2.3			
3	64QAM	8	7	19.82	19.86	19.82					
3	64QAM	8	7	19.49	19.89	19.49					
3	64QAM	1	0	17.68	17.71	17.63	19	4.3			
3	64QAM	1	14	17.68	17.61	17.62					
3	64QAM	1	14	17.68	17.61	17.62					
3	64QAM	8	0	17.84	17.64	17.73	19	4.3			
3	64QAM	8	7	17.86	17.67	17.76					
3	64QAM	8	7	17.63	17.81	17.66					
3	256QAM	1	0	17.80	17.62	17.76	23	0.3			
3	256QAM	1	8	17.67	17.62	17.62					
3	256QAM	1	14	17.67	17.62	17.62					
Channel											
Frequency [MHz]											
1.4	QPSK	1	0	22.17	22.21	22.14	23.3	0			
1.4	QPSK	1	8	22.06	22.20	21.89					
1.4	QPSK	1	20	21.97	22.00	21.89					
1.4	QPSK	3	0	21.55	21.81	21.57	23.5	0			
1.4	QPSK	3	1	21.72	21.87	21.62					
1.4	QPSK	3	1	21.92	21.84	21.82					
1.4	QPSK	5	0	21.86	21.77	21.88	23	0.2			
1.4	QPSK	5	1	21.76	21.88	21.71					
1.4	QPSK	5	1	21.81	21.86	21.73					
1.4	16QAM	1	0	21.83	21.87	21.73	23	0.3			
1.4	16QAM	1	8	21.87	21.86	21.80					
1.4	16QAM	3	0	21.49	21.55	21.48					
1.4	16QAM	3	1	21.72	21.77	21.81	22	1.3			
1.4	16QAM	3	1	21.85	21.86	21.77					
1.4	16QAM	3	1	20.86	20.84	20.91					
1.4	16QAM	3	1	20.93	20.64	20.49	22	1.3			
1.4	16QAM	3	1	20.93	20.64	20.49					
1.4	16QAM	3	1	20.70	20.74	20.69					
1.4	16QAM	3	1	20.88	20.63	20.50	22	1.3			
1.4	16QAM	3	1	20.88	20.63	20.50					
1.4	16QAM	3	1	20.88	20.63	20.50					
1.4	16QAM	3	0	19.56	19.71	19.81	21	2.8			
1.4	16QAM	3	0	17.64	17.64	17.74					
1.4	16QAM	3									



Band 12 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dB)	APR3 (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	23.18	23.27	23.21			
10	QPSK	1	25	23.03	23.10	23.06	24	0	
10	QPSK	1	49	23.02	23.08	23.06			
10	QPSK	25	0	22.00	22.10	22.00			
10	QPSK	25	12	22.02	22.11	22.04			
10	QPSK	25	25	22.01	22.08	21.94	23	1	
10	QPSK	50	0	22.08	22.14	22.09			
10	16QAM	1	0	22.15	22.21	22.12			
10	16QAM	1	25	22.08	22.17	22.06	23	1	
10	16QAM	1	49	22.03	22.07	21.94			
10	16QAM	25	0	20.98	21.10	21.05			
10	16QAM	25	12	21.07	21.13	21.05	22	2	
10	16QAM	25	25	21.04	21.04	20.96			
10	16QAM	50	0	21.05	21.13	21.10			
10	64QAM	1	0	21.17	21.14	21.10			
10	64QAM	1	25	21.04	21.11	21.06	22	2	
10	64QAM	1	49	20.99	21.02	20.99			
10	64QAM	25	0	20.00	20.11	19.91			
10	64QAM	25	12	19.97	20.12	20.05			
10	64QAM	25	25	20.00	20.05	19.92	21	3	
10	64QAM	50	0	19.99	19.14	20.02			
10	256QAM	1	0	18.12	18.16	18.16			
10	256QAM	1	25	17.85	18.08	18.04	19	5	
10	256QAM	1	49	18.00	18.08	17.94			
10	256QAM	25	0	17.92	18.04	18.04			
10	256QAM	25	12	17.99	18.18	18.02	19	5	
10	256QAM	25	25	18.00	18.03	18.00			
10	256QAM	50	0	18.11	18.11	18.11			
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.08	23.15	23.11			
5	QPSK	1	12	22.92	23.11	22.99	24	0	
5	QPSK	1	24	22.96	22.99	22.96			
5	QPSK	12	0	21.93	22.10	21.94			
5	QPSK	12	7	21.93	21.98	21.92	23	1	
5	QPSK	12	13	21.93	21.98	21.82			
5	QPSK	25	0	22.00	22.03	22.00			
5	16QAM	1	0	22.09	22.16	21.98			
5	16QAM	1	12	22.00	22.13	22.01	23	1	
5	16QAM	1	24	21.96	22.01	21.96			
5	16QAM	12	0	20.85	21.01	21.00			
5	16QAM	12	7	21.01	21.08	20.95	22	2	
5	16QAM	12	13	20.96	20.95	20.90			
5	16QAM	25	0	20.93	21.08	21.00			
5	64QAM	1	0	21.04	21.04	21.03			
5	64QAM	1	12	21.00	21.01	21.00	22	2	
5	64QAM	1	24	20.97	21.04	20.95			
5	64QAM	12	0	19.89	20.01	19.86			
5	64QAM	12	7	19.88	20.00	19.85	21	3	
5	64QAM	12	13	19.96	19.94	19.91			
5	64QAM	25	0	19.87	19.87	19.86			
5	256QAM	1	0	17.86	18.00	17.79			
5	256QAM	1	12	17.80	18.04	17.90	19	5	
5	256QAM	1	24	17.86	17.87	17.89			
5	256QAM	12	0	17.88	18.03	17.89			
5	256QAM	12	7	17.88	18.03	17.83	19	5	
5	256QAM	12	13	17.92	17.85	17.96			
5	256QAM	25	0	18.02	18.01	18.05			
Channel									
Frequency (MHz)									
3	QPSK	1	0	23.05	23.05	23.05			
3	QPSK	1	8	22.97	23.11	22.94	24	0	
3	QPSK	1	14	22.90	23.00	22.96			
3	QPSK	8	0	21.86	22.12	21.94			
3	QPSK	8	4	21.94	21.95	21.90	23	1	
3	QPSK	8	7	21.88	21.94	21.87			
3	16QAM	1	0	22.01	22.02	22.01			
3	16QAM	1	0	22.09	22.10	22.09			
3	16QAM	1	8	21.98	22.14	21.96	23	1	
3	16QAM	1	14	21.97	21.94	21.96			
3	16QAM	8	0	20.94	21.08	20.99			
3	16QAM	8	4	21.03	21.02	21.00	22	2	
3	16QAM	8	7	20.96	20.91	20.92			
3	16QAM	15	0	20.90	21.01	20.97			
3	64QAM	1	0	21.03	21.07	21.07	22	2	
3	64QAM	1	8	21.01	20.98	20.97			
3	64QAM	1	14	20.93	20.90	20.91			
3	64QAM	8	0	19.94	19.99	19.97			
3	64QAM	8	4	19.89	20.00	19.94	21	3	
3	64QAM	8	7	19.89	19.99	19.82			
3	64QAM	15	0	19.94	20.07	19.95			
3	256QAM	1	0	18.04	18.04	18.09			
3	256QAM	1	8	17.89	17.99	17.82	19	5	
3	256QAM	1	14	17.86	17.96	17.86			
3	256QAM	8	0	17.87	18.00	17.85			
3	256QAM	8	4	17.91	18.09	17.96	19	5	
3	256QAM	8	7	17.94	17.95	17.85			
3	256QAM	15	0	18.01	18.07	18.07			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	23.12	23.09	23.09			
1.4	QPSK	1	3	22.99	23.10	22.96	24	0	
1.4	QPSK	1	5	22.94	22.94	22.92			
1.4	QPSK	3	0	22.91	23.07	22.96			
1.4	QPSK	3	1	22.90	23.00	22.94			
1.4	QPSK	3	3	22.91	23.01	22.81	23	1	
1.4	QPSK	8	0	21.98	22.08	22.04			
1.4	16QAM	1	0	22.10	22.16	22.08			
1.4	16QAM	1	3	22.03	22.05	22.02	23	1	
1.4	16QAM	1	5	21.91	22.02	21.89			
1.4	16QAM	3	0	21.85	22.02	22.01			
1.4	16QAM	3	1	21.96	22.04	21.95			
1.4	16QAM	3	3	22.00	22.01	21.94			
1.4	16QAM	6	0	20.95	21.06	20.95	22	2	
1.4	64QAM	1	0	21.09	21.08	21.05			
1.4	64QAM	1	3	20.99	21.05	20.81			
1.4	64QAM	1	5	20.90	20.95	20.95	22	2	
1.4	64QAM	3	0	20.89	21.01	20.79			
1.4	64QAM	3	1	20.85	21.04	21.01			
1.4	64QAM	3	3	20.89	20.97	20.89	21	3	
1.4	64QAM	6	0	19.96	20.01	19.93			
1.4	256QAM	1	0	18.05	18.07	18.11			
1.4	256QAM	1	3	17.85	17.99	17.82	19	5	
1.4	256QAM	1	5	17.87	17.96	17.82			
1.4	256QAM	3	0	17.92	18.10	17.88			
1.4	256QAM	3	1	17.94	18.11	17.80			
1.4	256QAM	3	3	17.93	17.89	17.94	19	5	
1.4	256QAM	6	0	18.03	18.00	17.99			

Band 13 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dB)	APR3 (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0		762	23.09			
10	QPSK	1	25		23.07		24	0	
10	QPSK	1	49		23.01				
10	QPSK	25	0		22.13		23	1	
10	QPSK	25	12		22.08				
10	QPSK	25	25		22.06				
10	QPSK	50	0		22.17				
10	16QAM	1	0		22.06				
10	16QAM	1	25		21.99		23	1	
10	16QAM	1	49		22.02				
10	16QAM	25	0		21.98				
10	16QAM	25	12		20.99		22	2	
10	16QAM	25	25		20.97				
10	16QAM	50	0		21.13				
10	64QAM	1	0		21.09				
10	64QAM	1	25		20.96		22	2	
10	64QAM	1	49		21.09				
10	64QAM	25	0		20.03				
10	64QAM	25	12		19.95		21	3	
10	64QAM	25	25		19.98				
10	64QAM	50	0		20.09				
10	256QAM	1	0		18.04				
10	256QAM	1	25		18.11		19	5	
10	256QAM	1	49		18.05				
10	256QAM	25	0		18.08				
10	256QAM	25	12		18.12		19	5	
10	256QAM	25	25		18.03				
10	256QAM	50	0		18.16				
Channel									
Frequency (MHz)									
5	QPSK	1	0		779.5	762	784.5		
5	QPSK	1	12		22.82	23.05	22.81	24	0
5	QPSK	1	24		22.84	22.88	22.82		
5	QPSK	1	36		21.83	21.83	21.88		
5	QPSK	12	0		21.99	22.06	21.92		
5	QPSK	12	7		21.84	22.02	22.01	23	1
5	QPSK	12	13		21.93	22.02	21.88		
5	QPSK	25	0		21.84	22.09	22.00		
5	16QAM	1	0		21.87	22.01	21.81		
5	16QAM	1	12		21.82	21.88	21.75	23	1
5	16QAM	1	24		21.85	21.88	21.87		
5	16QAM	12	0		20.97	20.95	20.96		
5	16QAM	12	7		20.90	20.95	20.75		
5	16QAM	12	13		20.72	20.92	20.89	22	2
5	16QAM	25	0		20.95	21.03	20.87		
5	16QAM	25	12		20.98	21.05	20.92		
5	16QAM	1	12		20.76	20.91	20.83	22	2
5	16QAM	1	24		20.93	20.97	20.91		
5	16QAM	12	0		19.93	19.92	19.88		
5	16QAM	12	7		19.85	19.91	19.81	21	3
5	16QAM	12	13		19.75	19.91	19.78		
5	256QAM	1	0		17.86	18.00	17.79		
5	256QAM	1	12		18.01	18.08	17.88	19	5
5	256QAM	1	24		17.77	17.82	17.86		
5	256QAM	12	0		17.90	17.94	17.86		
5	256QAM	12	7		17.92	18.06	17.86		
5	256QAM	12	13		17.85	18.06	17.86	19	5
5	256QAM	25	0		18.04	18.16	18.10		

Band 25 Ant0											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turnup time (sec)	MPE (dB)			
Channel											
Frequency (MHz)											
20	QPSK	1	0	22.14	22.20	22.08	23.3	0			
20	QPSK	1	49	22.13	22.23	22.07					
20	QPSK	1	99	22.00	22.09	22.06					
20	QPSK	50	0	21.89	22.10	21.72	23	0.3			
20	QPSK	50	24	21.84	21.92	21.80					
20	QPSK	50	50	21.87	21.90	21.76					
20	QPSK	100	0	21.81	22.03	21.88	23	0.3			
20	QPSK	100	50	21.72	21.89	21.79					
20	QPSK	1	99	21.93	21.92	21.83					
20	16QAM	1	99	21.93	21.92	21.83	22	1.3			
20	16QAM	50	0	20.81	21.10	20.98					
20	16QAM	50	24	20.72	20.85	20.78					
20	16QAM	50	50	20.69	20.74	20.61	21	2.3			
20	16QAM	100	0	20.80	21.09	20.75					
20	16QAM	1	0	20.88	20.98	20.72					
20	64QAM	1	49	20.72	20.83	20.76	22	1.3			
20	64QAM	1	99	20.79	20.86	20.85					
20	64QAM	50	24	19.88	20.04	19.77					
20	64QAM	50	50	19.86	20.12	19.76	21	2.3			
20	64QAM	100	0	19.72	19.87	19.73					
20	256QAM	1	49	17.94	17.90	17.89					
20	256QAM	1	99	17.75	17.72	17.82	19	4.3			
20	256QAM	50	0	17.81	17.85	17.86					
20	256QAM	50	24	17.94	17.98	17.75					
20	256QAM	50	50	17.84	17.83	17.72	19	4.3			
20	256QAM	100	0	17.40	17.63	17.59					
Channel											
Frequency (MHz)											
16	QPSK	1	0	22.01	22.11	21.87	23.3	0			
16	QPSK	1	37	22.05	22.08	21.93					
16	QPSK	1	74	21.85	22.04	21.89					
16	QPSK	36	0	21.83	21.93	21.89	23	0.3			
16	QPSK	36	18	21.86	21.73	21.71					
16	QPSK	36	36	21.69	21.78	21.63					
16	QPSK	75	0	21.62	21.90	21.56	23	0.3			
16	QPSK	75	0	21.65	21.83	21.71					
16	16QAM	1	37	21.82	21.81	21.72					
16	16QAM	1	74	21.76	21.79	21.78	22	1.3			
16	16QAM	36	0	20.67	21.00	20.68					
16	16QAM	36	20	20.71	20.83	20.72					
16	16QAM	36	36	20.65	20.88	20.64	21	2.3			
16	16QAM	75	0	20.60	20.98	20.71					
16	64QAM	1	0	20.78	20.78	20.58	22	1.3			
16	64QAM	1	37	20.67	20.79	20.75					
16	64QAM	1	74	20.71	20.75	20.77					
16	64QAM	36	0	19.67	19.86	19.58	21	2.3			
16	64QAM	36	20	19.79	19.80	19.64					
16	64QAM	36	36	19.77	19.93	19.67					
16	64QAM	75	0	19.64	19.87	19.72	19	4.3			
16	256QAM	1	0	17.56	17.60	17.58					
16	256QAM	1	37	17.74	17.91	17.85					
16	256QAM	1	74	17.85	17.87	17.77	19	4.3			
16	256QAM	36	0	17.62	17.84	17.73					
16	256QAM	36	20	17.85	17.84	17.55					
16	256QAM	36	36	17.94	17.78	17.71	19	4.3			
16	256QAM	75	0	17.40	17.60	17.56					
Channel											
Frequency (MHz)											
16	QPSK	1	0	21.87	22.00	21.84	23.3	0			
16	QPSK	1	25	21.94	22.08	21.96					
16	QPSK	1	49	21.85	22.07	22.05					
16	QPSK	36	0	21.79	21.92	21.87	23	0.3			
16	QPSK	36	18	21.82	21.80	21.72					
16	QPSK	36	25	21.91	21.80	21.72					
16	QPSK	25	25	21.67	21.78	21.72	23	0.3			
16	QPSK	50	0	21.84	21.92	21.87					
16	16QAM	1	0	21.62	21.84	21.69					
16	16QAM	1	26	21.62	21.88	21.62	23	0.3			
16	16QAM	1	49	21.76	21.74	21.83					
16	16QAM	25	0	20.80	21.05	20.80					
16	16QAM	25	12	20.67	20.86	20.72	22	1.3			
16	16QAM	36	0	20.60	20.71	20.68					
16	16QAM	50	0	20.62	20.87	20.59					
16	64QAM	1	0	20.69	20.82	20.52	22	1.3			
16	64QAM	1	24	20.66	20.84	20.75					
16	64QAM	1	49	20.64	20.72	20.65					
16	64QAM	25	0	19.71	20.03	19.73	21	2.3			
16	64QAM	25	12	19.70	19.87	19.68					
16	64QAM	25	25	19.68	19.86	19.67					
16	64QAM	50	0	19.51	19.80	19.69	19	4.3			
16	256QAM	1	0	17.72	17.80	17.85					
16	256QAM	1	26	17.86	17.70	17.85					
16	256QAM	1	49	17.73	17.54	17.85	19	4.3			
16	256QAM	25	0	17.62	17.81	17.83					
16	256QAM	25	12	17.91	17.80	17.73					
16	256QAM	25	25	17.83	17.95	17.86	19	4.3			
16	256QAM	50	0	17.40	17.60	17.59					
Channel											
Frequency (MHz)											
5	QPSK	1	0	22.03	22.16	22.03	23.3	0			
5	QPSK	1	12	21.94	22.22	21.86					
5	QPSK	1	24	21.94	21.99	21.93					
5	QPSK	12	0	21.73	22.11	21.73	23	0.3			
5	QPSK	12	7	21.86	21.87	21.84					
5	QPSK	12	13	21.71	21.79	21.64					
5	QPSK	25	0	21.70	21.88	20.75	23	0.3			
5	16QAM	1	0	21.50	21.79	21.79					
5	16QAM	1	12	21.74	21.84	21.84					
5	16QAM	1	24	21.93	21.81	21.72	22	1.3			
5	16QAM	12	0	20.71	20.88	20.84					
5	16QAM	12	7	20.62	20.84	20.63					
5	16QAM	12	13	20.67	20.81	20.62	21	2.3			
5	16QAM	25	0	20.74	20.96	20.68					
5	64QAM	1	0	20.62	20.88	20.67	22	1.3			
5	64QAM	1	12	20.68	20.89	20.69					
5	64QAM	1	24	20.78	20.74	20.70					
5	64QAM	12	0	19.73	19.93	19.63	21	2.3			
5	64QAM	12	7	19.84	20.12	19.78					
5	64QAM	12	13	19.77	19.84	19.72					
5	64QAM	25	0	19.62	19.81	19.69	19	4.3			
5	256QAM	1	0	17.78	17.78	17.59					
5	256QAM	1	12	17.81	17.65	17.73					
5	256QAM	1	24	17.86	17.63	17.76	19	4.3			
5	256QAM	12	0	17.69	17.90	17.71					
5	256QAM	12	7	17.87	17.97	17.65					
5	256QAM	12	13	17.85	17.94	17.63	19	4.3			
5	256QAM	25	0	17.62	17.81	17.68					
Channel											
Frequency (MHz)											
3	QPSK	1	0	21.99	22.10	21.95	23.3	0			
3	QPSK	1	8	22.11	22.21	21.89					
3	QPSK	1	14	21.92	22.06	21.97					
3	QPSK	8	0	21.73	22.05	21.71	23	0.3			
3	QPSK	8	4	21.80	21.86	21.83					
3	QPSK	8	7	21.83	21.77	21.73					
3	QPSK	15	0	21.71	21.80	21.59	23	0.3			
3	16QAM	1	0	21.68	21.71	21.61					
3	16QAM	1	8	21.63	21.72	21.64					
3	16QAM	1	14	21.84	21.78	21.72	22	1.3			
3	16QAM	8	0	20.80	21.00	20.85					
3	16QAM	8	4	20.68	20.86	20.76					
3	16QAM	8	7	20.64	20.71	20.61	22	1.3			
3	16QAM	15	0	20.80	21.01	20.88					
3	16QAM	15	8	20.69	20.74	20.68					
3	16QAM	1	8	20.71	20.82	20.74	22	1.3			
3	16QAM	1	14	20.79	20.71	20.67					
3	16QAM	8	4	19.71	20.02	19.63					
3	256QAM	1	0	17.67	17.67	17.50	19	4.3			
3	256QAM	1	8	17.75	17.77	17.60					
3	256QAM	1	14	17.78	17.68	17.73					
3	256QAM	1	14	17.99	17.71	17.82	19	4.3			
3	256QAM	8	0	17.79	17.85	17.71					
3	256QAM	8	4	17.82	17.88	17.74					
3	256QAM	8	7	17.90	17.84	17.64	19	4.3			
3	256QAM	15	0	17.44	17.73	17.63					
Channel											
Frequency (MHz)											
1.4	QPSK	1	0	22.11	22.15	22.09	23.3	0			
1.4	QPSK	1	8	22.22	22.29	22.17					
1.4	QPSK	1	14	22.00	22.10	22.05					
1.4	QPSK	3	0	21.78	22.05	21.79	23	0.3			
1.4	QPSK	3	4	21.82	21.99	21.77					
1.4	QPSK	3	7	21.85	21.88	21.78					
1.4	QPSK	3	3	21.70	21.72	21.71	23	0.3			
1.4	QPSK	6	0	21.71	21.88	21.68					
1.4	QPSK	3	14	21.72	21.83	21.73					
1.4	16QAM	1	0	21.68	21.82	21.68	23	0.3			
1.4	16QAM	1	8	21.73	21.83	21.73					
1.4	16QAM	1	14	21.75	21.71	21.64					
1.4	16QAM	3	0	21.74	21.69	21.52	22	1.3			
1.4	16QAM	3	3	20.85	20.96	20.69					
1.4	16QAM	3	14	20.84	20.76	20.72					
1.4	16QAM	3	3	20.54	20.76	20.62	22	1.3			
1.4	16QAM	6	0	20.56	20.73	20.61					
1.4	16QAM	3	6	20.63	20.91	20.75					
1.4	16QAM	3	3	20.53	20.62	20.60	21	2.3			
1.4	16QAM	6	0	20.54	20.64	20.61					
1.4	16QAM	3	6	20.62	20.82	20.69					
1.4	16QAM	6	0	19.52	19.62	19.57	21	2.3			
1.4	16QAM	3	3	19.53	19.67	19.74					
1.4	16QAM	3	6	19.58	19.78	19.75					
1.4	256QAM	1	8	17.67	17.68	17.44	19	4.3			
1.4	256QAM	1	3	17.80	17.79	17.61					
1.4	256QAM	1	6	17.							



Band 38 Ant0											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Turn-up time (dBm)	MPR (dB)			
Channel				37650	38050	38150					
Frequency (MHz)				22.91	22.95	22.93					
20	QPSK	1	0	22.91	22.95	22.93	23.8	0			
20	QPSK	1	49	22.81	22.87	22.87					
20	QPSK	1	99	22.84	22.90	22.90					
20	QPSK	50	0	22.08	22.30	22.19					
20	QPSK	50	24	22.11	22.08	22.24					
20	QPSK	50	50	22.00	22.22	22.13	23	0.8			
20	QPSK	100	0	22.14	22.22	21.99					
20	16QAM	1	0	22.85	22.29	22.13					
20	16QAM	1	49	22.12	22.34	22.12					
20	16QAM	1	99	21.95	22.98	22.21					
20	16QAM	50	0	21.24	21.24	21.20	22	1.8			
20	16QAM	50	24	21.95	21.95	21.25					
20	16QAM	50	50	21.13	21.24	21.07					
20	64QAM	1	0	21.27	21.24	21.24					
20	64QAM	1	49	21.23	21.07	21.12					
20	64QAM	1	99	21.07	21.30	21.08	22	1.8			
20	64QAM	50	0	20.29	20.14	20.15					
20	64QAM	50	24	20.12	20.13	20.15					
20	64QAM	50	50	20.14	20.05	20.21					
20	64QAM	100	0	19.93	20.03	20.04					
20	256QAM	1	0	18.07	18.22	18.25	19	4.8			
20	256QAM	1	49	18.07	18.19	18.11					
20	256QAM	1	99	18.04	18.14	18.10					
20	256QAM	50	0	18.24	18.27	18.18					
20	256QAM	50	24	18.17	18.24	18.10					
20	256QAM	50	50	18.12	18.05	18.28	19	4.8			
20	256QAM	100	0	18.10	18.04	18.05					
Channel				37625	38050	38175					
Frequency (MHz)				22.73	22.75	22.73					
15	QPSK	1	0	22.83	22.79	22.73	23.8	0			
15	QPSK	1	37	22.74	22.79	22.84					
15	QPSK	1	74	22.81	22.92	22.84					
15	QPSK	36	0	22.02	22.28	22.15					
15	QPSK	36	20	21.92	22.09	22.11					
15	QPSK	75	0	21.92	22.10	21.81	23	0.8			
15	16QAM	1	0	21.94	22.18	22.08					
15	16QAM	1	37	21.11	21.34	21.03					
15	16QAM	1	74	21.87	22.01	22.01					
15	16QAM	36	0	21.25	21.15	21.00					
15	16QAM	36	20	21.00	20.26	20.26	22	1.8			
15	16QAM	36	39	21.08	21.26	20.88					
15	16QAM	75	0	20.98	21.07	20.99					
15	64QAM	1	0	21.07	21.13	21.05					
15	64QAM	1	37	21.07	21.09	20.95					
15	64QAM	1	74	20.98	21.00	20.96	22	1.8			
15	64QAM	36	0	20.14	20.09	19.88					
15	64QAM	36	20	19.93	19.99	20.11					
15	64QAM	36	39	20.14	20.09	19.88					
15	64QAM	75	0	19.77	20.00	19.25					
15	256QAM	1	0	18.07	18.19	18.10	19	4.8			
15	256QAM	1	37	17.96	18.15	18.15					
15	256QAM	1	74	18.02	18.02	17.99					
15	256QAM	36	0	18.21	18.27	17.88					
15	256QAM	36	20	18.18	18.20	17.89					
15	256QAM	36	39	18.00	17.98	18.29	19	4.8			
15	256QAM	75	0	18.01	17.90	17.86					
Channel				37625	38050	38175					
Frequency (MHz)				22.75	22.95	26.15					
10	QPSK	1	0	22.84	22.89	22.73	23.8	0			
10	QPSK	1	25	22.77	22.71	22.77					
10	QPSK	1	49	22.78	22.94	22.78					
10	QPSK	1	99	22.81	22.96	22.81					
10	QPSK	25	12	22.12	21.90	22.29					
10	QPSK	25	25	21.94	22.04	22.02	23	0.8			
10	QPSK	50	0	21.15	22.22	21.95					
10	16QAM	1	0	22.03	22.14	22.08					
10	16QAM	1	25	21.90	22.05	22.01					
10	16QAM	1	49	21.81	22.00	22.14					
10	16QAM	25	0	21.10	21.26	21.00	22	1.8			
10	16QAM	25	12	20.80	20.97	21.18					
10	16QAM	25	25	21.06	21.10	20.88					
10	16QAM	50	0	20.99	21.02	21.13					
10	64QAM	1	0	21.08	21.16	20.99					
10	64QAM	1	25	21.08	20.95	21.11	22	1.8			
10	64QAM	1	49	20.93	20.91	20.84					
10	64QAM	25	0	20.26	20.00	20.00					
10	64QAM	25	12	20.00	20.08	20.00					
10	64QAM	25	25	20.14	20.07	20.15					
10	64QAM	50	0	19.88	19.93	19.87	21	2.8			
10	256QAM	1	0	17.90	18.17	18.25					
10	256QAM	1	25	18.09	18.15	18.10					
10	256QAM	1	49	17.91	18.09	17.92					
10	256QAM	25	0	18.21	18.28	18.07					
10	256QAM	25	12	17.90	18.17	18.00	19	4.8			
10	256QAM	25	25	18.02	17.92	18.17					
10	256QAM	50	0	18.07	17.90	18.01					
Channel				37675.5	38050	38175.5					
Frequency (MHz)				22.73	22.93	22.92					
5	QPSK	1	0	22.83	22.93	22.92	23.8	0			
5	QPSK	1	12	22.88	22.87	22.90					
5	QPSK	1	24	22.73	22.78	22.87					
5	QPSK	12	0	22.03	22.21	22.07					
5	QPSK	12	7	21.89	21.90	22.19					
5	QPSK	12	13	21.94	22.19	22.12	23	0.8			
5	QPSK	25	0	22.00	22.14	21.81					
5	16QAM	1	0	21.87	22.12	21.96					
5	16QAM	1	12	21.91	21.94	22.08					
5	16QAM	1	24	21.95	22.15	22.02	22	1.8			
5	16QAM	12	7	20.89	20.99	21.27					
5	16QAM	12	13	20.95	21.21	20.99					
5	16QAM	25	0	21.11	21.00	21.17					
5	64QAM	1	0	21.09	21.20	20.99					
5	64QAM	1	12	21.09	20.94	21.02	22	1.8			
5	64QAM	1	24	20.89	20.95	20.83					
5	64QAM	12	0	20.11	19.95	19.94					
5	64QAM	12	7	20.14	19.96	20.02					
5	64QAM	12	13	19.99	20.02	20.21					
5	64QAM	25	0	19.92	19.86	20.03	21	2.8			
5	256QAM	1	0	17.91	18.05	18.04					
5	256QAM	1	12	17.99	18.15	18.11					
5	256QAM	1	24	18.04	18.01	17.93					
5	256QAM	12	0	18.11	18.06	18.05					
5	256QAM	12	7	18.04	18.13	18.04	19	4.8			
5	256QAM	12	13	18.03	17.93	18.19					
5	256QAM	25	0	18.00	17.97	18.00					

Band 38 HPUE Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Turn-up test (dBm)	MPR (dB)	
Channel				37650	38050	38150			
Frequency (MHz)				24.6	24.6	24.6			
20	QPSK	1	0	24.64	24.65	24.64	25.4	0	
20	QPSK	1	49	24.60	24.42	24.43			
20	QPSK	1	99	24.62	24.44	24.62			
20	QPSK	50	0	24.50	24.63	24.42			
20	QPSK	50	24	24.53	24.62	24.60			
20	QPSK	50	50	24.60	24.54	24.52	25.4	0	
20	QPSK	100	0	24.50	24.55	24.53			
20	16QAM	1	0	24.43	24.43	24.41			
20	16QAM	1	49	24.41	24.54	24.58	25.4	0	
20	16QAM	1	99	24.47	24.57	24.42			
20	16QAM	50	0	23.77	23.70	23.87			
20	16QAM	50	24	23.79	23.69	23.88	25	0.4	
20	16QAM	50	50	23.50	23.57	23.48			
20	16QAM	100	0	23.76	23.68	23.72			
20	16QAM	100	24	23.68	23.49	23.54	25	0.4	
20	16QAM	100	50	23.71	23.44	23.67			
20	16QAM	50	0	22.77	22.76	22.59			
20	16QAM	50	24	22.75	22.60	22.78	24	1.4	
20	16QAM	50	50	22.50	22.57	22.48			
20	16QAM	100	0	22.82	22.81	22.67			
20	256QAM	1	0	20.76	20.68	20.67	22	3.4	
20	256QAM	1	49	20.76	20.67	20.67			
20	256QAM	1	99	20.76	20.68	20.67			
20	256QAM	50	0	20.58	20.58	20.84			
20	256QAM	50	24	20.70	20.73	20.71			
20	256QAM	50	50	20.45	20.62	20.61	22	3.4	
20	256QAM	100	0	20.45	20.61	20.61			
Channel				37625	38025	38175			
Frequency (MHz)				24.6	24.6	24.6	Turn-up test (dBm)	MPR (dB)	
15	QPSK	1	0	24.64	24.65	24.64	25.4	0	
15	QPSK	1	49	24.39	24.30	24.43			
15	QPSK	1	99	24.56	24.38	24.51			
15	QPSK	50	0	24.50	24.48	24.33			
15	QPSK	50	24	24.55	24.46	24.48			
15	QPSK	50	50	24.54	24.47	24.53	25.4	0	
15	QPSK	75	0	24.66	24.30	24.53			
15	16QAM	1	0	24.25	24.33	24.24			
15	16QAM	1	49	24.34	24.34	24.27	25.4	0	
15	16QAM	1	99	24.47	24.43	24.51			
15	16QAM	36	0	23.50	23.57	23.69			
15	16QAM	36	24	23.73	23.69	23.27	25	0.4	
15	16QAM	36	50	23.54	23.30	23.43			
15	16QAM	72	0	23.70	23.70	23.72			
15	16QAM	1	0	20.73	20.65	20.56	25	0.4	
15	16QAM	1	37	23.67	23.51	23.68			
15	16QAM	1	74	23.61	23.52	23.57			
15	16QAM	36	0	22.77	22.78	22.59	24	1.4	
15	16QAM	36	24	22.74	22.60	22.46			
15	16QAM	36	50	22.50	22.57	22.43			
15	16QAM	72	0	22.75	22.68	22.68	24	1.4	
15	256QAM	1	0	20.68	20.63	20.62			
15	256QAM	1	37	20.60	20.53	20.27			
15	256QAM	1	74	20.48	20.42	20.27	22	3.4	
15	256QAM	50	0	20.56	20.56	20.56			
15	256QAM	50	24	20.59	20.59	20.59			
15	256QAM	50	50	20.46	20.43	20.30			
15	256QAM	72	0	20.46	20.43	20.30			
Channel				37600	38000	38200	Turn-up test (dBm)	MPR (dB)	
Frequency (MHz)				24.6	24.6	24.6			
10	QPSK	1	0	24.64	24.65	24.64	25.4	0	
10	QPSK	1	25	24.58	24.33	24.45			
10	QPSK	1	50	24.44	24.33	24.45			
10	QPSK	25	0	24.35	24.37	24.36			
10	QPSK	25	12	24.51	24.47	24.54			
10	QPSK	25	25	24.47	24.43	24.47	25.4	0	
10	QPSK	50	0	24.58	24.37	24.37			
10	16QAM	1	0	24.33	24.28	24.30			
10	16QAM	1	25	24.33	24.28	24.30	25.4	0	
10	16QAM	1	50	24.33	24.28	24.30			
10	16QAM	25	0	23.73	23.57	23.62			
10	16QAM	25	12	23.78	23.58	23.52	25	0.4	
10	16QAM	25	25	23.62	23.39	23.47			
10	16QAM	50	0	23.64	23.56	23.71			
10	16QAM	1	0	20.73	20.58	20.53	25	0.4	
10	16QAM	1	25	23.69	23.38	23.45			
10	16QAM	1	50	23.61	23.33	23.63			
10	16QAM	25	0	22.69	22.49	22.56	24	1.4	
10	16QAM	25	12	22.63	22.40	22.53			
10	16QAM	25	25	22.28	22.43	22.38			
10	16QAM	50	0	22.77	22.72	22.58	24	1.4	
10	16QAM	50	25	22.54	22.54	22.74			
10	256QAM	1	0	20.58	20.53	20.25			
10	256QAM	1	49	20.44	20.41	20.54	22	3.4	
10	256QAM	25	0	20.63	20.58	20.58			
10	256QAM	25	12	20.46	20.47	20.54			
10	256QAM	25	25	20.51	20.22	20.25			
10	256QAM	50	0	20.70	20.69	20.70			
Channel				37775	38075	38225	Turn-up test (dBm)	MPR (dB)	
Frequency (MHz)				24.6	24.6	24.6			
5	QPSK	1	0	24.60	24.65	24.65	25.4	0	
5	QPSK	1	12	24.42	24.32	24.42			
5	QPSK	1	24	24.44	24.33	24.43			
5	QPSK	12	0	24.47	24.37	24.32			
5	QPSK	12	7	24.32	24.33	24.46			
5	QPSK	12	14	24.41	24.31	24.45	25.4	0	
5	QPSK	25	0	24.51	24.46	24.41			
5	16QAM	1	0	24.20	24.36	24.19			
5	16QAM	1	12	24.24	24.38	24.44	25.4	0	
5	16QAM	1	24	24.32	24.41	24.40			
5	16QAM	12	0	23.63	23.51	23.59			
5	16QAM	12	7	23.77	23.53	23.40	25	0.4	
5	16QAM	12	13	23.49	23.34	23.47			
5	16QAM	25	0	23.54	23.58	23.54			
5	16QAM	1	0	22.71	22.56	22.60	25	0.4	
5	16QAM	1	12	23.44	23.45	23.33			
5	16QAM	1	24	23.43	23.39	23.47			
5	16QAM	12	0	22.69	22.36	22.56	24	1.4	
5	16QAM	12	13	22.28	22.28	22.38			
5	16QAM	25	0	22.69	22.55	22.53			
5	256QAM	1	0	20.71	20.69	20.69	22	3.4	
5	256QAM	1	12	20.44	20.47	20.52			
5	256QAM	1	24	20.56	20.54	20.72			
5	256QAM	12	0	20.70	20.67	20.67			
5	256QAM	12	7	20.54	20.74	20.70			
5	256QAM	12	13	20.66	20.29	20.41	22	3.4	
5	256QAM	25	0	20.69	20.59	20.59			
5	256QAM	25	12	20.46	20.46	20.46			

Band 41 Ant0											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low-Mid Ch / Freq	Power Mid Ch / Freq	Power High-Mid Ch / Freq	Power High Ch / Freq	Tune-up Int (dB)	MPR (dB)	
Channel											
Frequency (MHz)				39750	40185	40620	41055	41490			
20	QPSK	1	0	22.63	22.60	22.57	22.58	22.51	23.8	0	
20	QPSK	1	49	22.66	22.69	22.65	22.73	22.61			
20	QPSK	50	0	22.70	22.61	22.62	22.66	22.65	23	0.8	
20	QPSK	50	24	21.99	21.95	22.13	22.02	22.05			
20	QPSK	50	24	21.82	21.80	22.05	22.05	21.85	23	0.8	
20	QPSK	50	50	21.82	21.82	22.02	22.02	21.85			
20	QPSK	100	0	22.02	21.95	22.19	22.12	22.12	23	0.8	
20	16QAM	1	0	21.92	21.89	22.11	22.09	22.06			
20	16QAM	1	49	21.95	21.79	22.22	22.25	21.93	22	1.8	
20	16QAM	1	99	21.85	21.90	22.01	21.75	21.90			
20	16QAM	50	0	20.83	21.02	21.17	21.01	20.94	22	1.8	
20	16QAM	50	24	20.74	20.91	21.15	20.98	20.84			
20	16QAM	50	50	20.97	21.12	21.21	20.95	20.94	22	1.8	
20	16QAM	100	0	20.85	21.02	21.12	21.17	21.03			
20	64QAM	1	0	20.99	21.02	21.15	21.17	20.93	22	1.8	
20	64QAM	1	49	20.87	20.95	21.05	20.92	20.84			
20	64QAM	1	99	20.95	21.05	21.09	20.92	20.76	21	2.8	
20	64QAM	50	0	19.85	20.09	20.56	20.03	20.07			
20	64QAM	50	24	19.83	20.03	20.27	20.14	20.07	21	2.8	
20	64QAM	50	50	19.93	19.90	20.00	19.85	19.77			
20	64QAM	100	0	19.80	20.00	20.06	19.88	19.84	19	4.8	
20	256QAM	1	0	17.87	18.03	18.15	18.05	18.04			
20	256QAM	1	49	17.89	17.81	18.12	17.89	17.87	19	4.8	
20	256QAM	1	99	17.80	18.13	18.12	17.87	17.83			
20	256QAM	36	0	17.83	18.11	18.14	18.07	17.89	19	4.8	
20	256QAM	36	24	17.93	17.98	18.28	18.08	17.98			
20	256QAM	50	24	17.93	17.93	18.08	17.85	17.80	19	4.8	
20	256QAM	50	50	17.75	18.04	18.04	17.75	17.82			
Channel											
Frequency (MHz)				39750	40173	40620	41068	41515	Tune-up Int (dB)	MPR (dB)	
15	QPSK	1	0	22.74	22.77	22.81	22.73	22.68	23.80	0	
15	QPSK	1	37	22.82	22.84	22.78	22.84	22.88			
15	QPSK	1	74	22.93	22.85	22.80	22.84	22.87	23	0.8	
15	QPSK	36	0	22.91	21.78	22.12	21.83	21.89			
15	QPSK	36	20	21.75	21.78	22.05	21.96	21.81	23	0.8	
15	QPSK	36	39	21.68	21.73	22.00	21.73	21.74			
15	QPSK	75	0	21.98	21.89	22.01	22.05	22.08	23	0.8	
15	16QAM	1	0	21.90	21.94	21.99	22.00	22.02			
15	16QAM	1	37	21.86	21.93	21.98	21.98	21.75	22	1.8	
15	16QAM	1	74	21.61	21.73	21.95	21.82	21.86			
15	16QAM	36	0	20.62	20.93	20.98	20.88	20.88	22	1.8	
15	16QAM	36	20	20.63	20.95	20.99	20.87	20.72			
15	16QAM	36	39	20.68	20.96	21.01	20.95	20.94	22	1.8	
15	16QAM	75	0	20.63	20.95	21.01	20.94	20.88			
15	64QAM	1	0	20.98	20.98	21.01	20.99	20.87	21	2.8	
15	64QAM	1	37	20.80	20.89	21.00	20.92	20.86			
15	64QAM	1	74	20.99	20.92	21.00	20.72	20.74	21	2.8	
15	64QAM	36	0	19.71	19.88	20.92	19.93	19.87			
15	64QAM	36	20	19.77	19.93	20.14	20.15	19.94	19	4.8	
15	64QAM	36	39	19.84	19.92	20.00	19.78	19.78			
15	64QAM	75	0	19.73	19.81	20.07	19.71	19.79	19	4.8	
15	256QAM	1	0	17.85	17.84	18.12	17.81	18.01			
15	256QAM	1	37	17.85	17.84	18.06	17.85	17.98	19	4.8	
15	256QAM	36	0	17.74	17.89	18.11	17.86	17.74			
Channel											
Frequency (MHz)				39700	40160	40600	41040	41480	Tune-up Int (dB)	MPR (dB)	
10	QPSK	1	0	22.89	22.81	22.92	22.76	22.76	23.80	0	
10	QPSK	1	25	22.44	22.57	22.76	22.64	22.62			
10	QPSK	1	49	22.50	22.61	22.71	22.61	22.51	23	0.8	
10	QPSK	25	0	21.84	21.83	22.12	22.01	21.84			
10	QPSK	25	12	21.63	21.78	21.83	22.05	21.82	23	0.8	
10	QPSK	25	25	21.68	21.81	21.82	21.64	21.80			
10	QPSK	50	0	21.87	21.74	22.17	22.08	22.02	23	0.8	
10	16QAM	1	0	21.80	21.94	22.10	21.97	21.82			
10	16QAM	1	25	21.68	21.77	21.92	21.84	21.78	22	1.8	
10	16QAM	1	49	21.65	21.91	22.08	21.68	21.88			
10	16QAM	25	0	20.80	20.94	21.02	20.96	20.80	22	1.8	
10	16QAM	25	12	20.70	20.73	21.05	20.77	20.70			
10	16QAM	25	25	20.76	20.82	21.12	21.08	20.93	22	1.8	
10	16QAM	50	0	20.75	21.00	21.09	21.06	20.85			
10	64QAM	1	0	20.69	20.69	21.01	20.93	20.68	22	1.8	
10	64QAM	1	49	20.78	20.99	21.08	20.88	20.67			
10	64QAM	25	0	19.87	19.95	19.91	19.87	19.82	21	2.8	
10	64QAM	25	12	19.75	20.05	20.19	20.12	20.02			
10	64QAM	25	25	19.84	19.76	19.94	19.74	19.74	19	4.8	
10	64QAM	50	0	19.84	19.87	20.02	19.84	19.82			
10	256QAM	1	0	17.77	17.91	18.16	17.85	17.97	19	4.8	
10	256QAM	1	25	17.75	17.89	17.95	17.88	17.82			
10	256QAM	1	49	17.71	18.14	18.00	17.91	17.89	19	4.8	
10	256QAM	25	0	18.03	17.93	18.11	17.89	17.70			
10	256QAM	25	12	18.04	18.02	18.08	18.06	17.94	19	4.8	
10	256QAM	25	25	17.77	17.99	18.10	18.07	17.77			
10	256QAM	50	0	17.78	17.78	18.05	17.67	17.74			
Channel											
Frequency (MHz)				39675	40145	40600	41050	41495	Tune-up Int (dB)	MPR (dB)	
5	QPSK	1	0	22.57	22.72	22.95	22.89	22.70	23.80	0	
5	QPSK	1	12	22.50	22.82	22.83	22.55	22.50			
5	QPSK	1	24	22.49	22.78	22.82	22.55	22.80	23	0.8	
5	QPSK	12	0	21.80	21.72	21.97	21.88	21.89			
5	QPSK	12	7	21.76	21.75	21.97	21.69	21.77	23	0.8	
5	QPSK	12	13	21.78	21.67	21.97	21.62	21.88			
5	QPSK	25	0	22.92	21.79	21.96	21.69	22.01	23	0.8	
5	16QAM	1	0	21.77	21.68	22.11	22.09	22.05			
5	16QAM	1	12	21.73	21.65	22.11	21.88	21.78	22	1.8	
5	16QAM	1	24	21.82	21.77	21.84	21.70	21.82			
5	16QAM	12	0	20.69	20.82	21.09	20.81	20.73	22	1.8	
5	16QAM	12	7	20.67	20.67	21.12	20.81	20.69			
5	16QAM	12	13	20.76	21.00	21.17	20.82	20.84	22	1.8	
5	16QAM	25	0	20.75	21.01	21.12	21.01	21.02			
5	64QAM	1	0	20.98	20.86	20.95	21.11	20.94	22	1.8	
5	64QAM	1	12	20.86	20.95	21.05	20.92	20.72			
5	64QAM	1	24	20.85	20.96	20.98	20.75	20.78	21	2.8	
5	64QAM	12	0	19.81	20.09	20.60	19.88	19.93			
5	64QAM	12	7	19.82	19.84	20.12	19.82	19.82	21	2.8	
5	64QAM	12	13	19.89	19.75	19.89	19.70	19.71			
5	64QAM	25	0	19.79	19.97	20.05	19.81	19.79	19	4.8	
5	64QAM	25	12	19.79	19.94	20.02	19.79	19.74			
5	256QAM	1	0	17.73	17.73	18.04	17.67	17.87	19	4.8	
5	256QAM	1	12	17.73	17.73	18.04	17.67	17.87			
5	256QAM	12	0	18.03	18.00	18.10	17.95	17.71	19	4.8	
5	256QAM	12	7	18.00	18.00	18.10	17.95	17.71			
5	256QAM	12	13	17.77	17.97	18.13	17.88	17.84	19	4.8	
5	256QAM	25	0	17.77	17.92	18.12	17.77	17.87			
5	256QAM	25	0	17.75	17.84	18.05	17.75	17.70			

Band 5 Ant1														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up Int. (dB)	MFR (dB)						
Channel														
Frequency (MHz)														
10	QPSK	1	0	23.33	23.38	23.35	24	0						
10	QPSK	1	25	23.18	23.26	23.20								
10	QPSK	1	49	23.07	23.21	23.16								
10	QPSK	25	0	22.12	22.28	22.18								
10	QPSK	25	12	22.19	22.28	22.17	23	1						
10	QPSK	25	25	22.18	22.22	22.14								
10	QPSK	50	0	22.11	22.19	22.11								
10	16QAM	1	0	22.06	22.12	21.99								
10	16QAM	1	25	21.98	22.06	21.94	23	1						
10	16QAM	1	49	21.88	22.00	21.84								
10	16QAM	25	0	21.10	21.23	21.10								
10	16QAM	25	12	21.19	21.27	21.19								
10	16QAM	25	25	21.10	21.22	21.12	22	2						
10	16QAM	50	0	21.13	21.24	21.21								
10	84QAM	1	0	21.12	21.17	21.07								
10	84QAM	1	25	20.95	21.09	20.96								
10	84QAM	1	49	21.18	21.23	21.13	21	3						
10	84QAM	25	0	20.15	20.30	20.07								
10	84QAM	25	12	20.07	20.13	20.01								
10	84QAM	25	25	20.12	20.18	20.05								
10	84QAM	50	0	20.11	20.15	20.02	19	5						
10	256QAM	1	0	18.10	18.18	18.05								
10	256QAM	1	25	17.97	18.06	18.01								
10	256QAM	1	49	18.08	18.13	18.03								
10	256QAM	25	0	18.07	18.10	18.00	19	5						
10	256QAM	25	12	17.99	18.07	17.94								
10	256QAM	25	25	18.07	18.12	18.06								
10	256QAM	50	0	18.00	18.14	18.10								
Channel														
Frequency (MHz)														
5	QPSK	1	0	23.26	23.31	23.26	24	0						
5	QPSK	1	12	23.05	23.17	23.06								
5	QPSK	1	24	22.95	23.12	23.02								
5	QPSK	12	0	22.01	22.18	22.10								
5	QPSK	12	7	22.08	22.12	22.00	23	1						
5	QPSK	12	13	22.06	22.10	22.07								
5	QPSK	25	0	22.09	22.19	22.05								
5	16QAM	1	0	22.01	22.06	21.88								
5	16QAM	1	12	21.84	21.97	21.85	23	1						
5	16QAM	1	24	21.69	21.88	21.65								
5	16QAM	12	0	21.05	21.09	21.05								
5	16QAM	12	7	21.12	21.20	21.08								
5	16QAM	12	13	21.05	21.09	21.00	22	2						
5	16QAM	25	0	21.08	21.16	21.14								
5	84QAM	1	0	21.05	21.12	20.99								
5	84QAM	1	12	20.85	20.98	20.80								
5	84QAM	1	24	21.10	21.12	21.02	21	3						
5	84QAM	12	0	20.07	20.17	20.00								
5	84QAM	12	7	20.05	20.09	19.95								
5	84QAM	12	13	20.01	20.05	19.95								
5	84QAM	25	0	20.07	20.03	19.90	19	5						
5	256QAM	1	0	18.01	18.15	17.95								
5	256QAM	1	12	17.88	18.02	17.84								
5	256QAM	1	24	18.03	18.08	17.93								
5	256QAM	12	0	18.02	18.06	17.87	19	5						
5	256QAM	12	7	17.96	17.92	17.84								
5	256QAM	12	13	17.97	17.88	18.03								
5	256QAM	25	0	17.97	18.10	18.05								
Channel														
Frequency (MHz)														
3	QPSK	1	0	23.21	23.24	23.22	24	0						
3	QPSK	1	8	23.03	23.13	23.12								
3	QPSK	1	14	22.94	23.11	23.06								
3	QPSK	8	0	22.08	22.17	22.05								
3	QPSK	8	4	22.09	22.20	22.11	23	1						
3	QPSK	8	7	22.07	22.15	22.09								
3	QPSK	16	0	22.06	22.08	21.98								
3	16QAM	1	0	21.97	22.07	21.93								
3	16QAM	1	8	21.85	21.98	21.85	23	1						
3	16QAM	1	14	21.17	21.34	21.16								
3	16QAM	8	0	21.01	21.18	21.07								
3	16QAM	8	4	21.05	21.12	21.13								
3	16QAM	8	7	21.06	21.11	21.06	22	2						
3	16QAM	15	0	21.00	21.18	21.12								
3	84QAM	1	0	20.98	21.08	21.00								
3	84QAM	1	8	20.85	20.93	20.79								
3	84QAM	1	14	21.09	21.15	20.99	21	3						
3	84QAM	8	0	20.03	20.17	19.99								
3	84QAM	8	4	20.03	20.06	20.02								
3	84QAM	8	7	20.09	20.10	20.00								
3	84QAM	15	0	20.02	20.01	19.96	19	5						
3	256QAM	1	0	18.01	18.11	17.84								
3	256QAM	1	8	17.90	17.99	17.93								
3	256QAM	1	14	17.92	18.04	17.86								
3	256QAM	8	0	17.97	18.11	17.83	19	5						
3	256QAM	8	4	17.86	17.88	17.81								
3	256QAM	8	7	17.96	18.01	17.91								
3	256QAM	15	0	17.91	18.01	17.85								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	23.27	23.31	23.24	24	0						
1.4	QPSK	1	3	23.03	23.22	23.17								
1.4	QPSK	1	5	22.95	23.11	23.11								
1.4	QPSK	3	0	23.10	23.15	23.03								
1.4	QPSK	3	3	23.07	23.12	23.04	23	1						
1.4	QPSK	8	0	22.14	22.07	22.01								
1.4	16QAM	1	0	21.92	22.07	21.84								
1.4	16QAM	1	3	21.89	21.92	21.87								
1.4	16QAM	1	5	21.81	21.91	21.85	23	1						
1.4	16QAM	3	0	22.02	22.13	22.05								
1.4	16QAM	3	1	22.07	22.13	22.06								
1.4	16QAM	3	3	21.98	22.07	22.04								
1.4	16QAM	8	0	21.00	21.13	21.08	22	2						
1.4	84QAM	1	0	21.03	21.03	21.01								
1.4	84QAM	1	3	20.88	20.98	20.89								
1.4	84QAM	1	5	21.04	21.09	21.02								
1.4	84QAM	3	0	21.09	21.07	20.96	22	2						
1.4	84QAM	3	1	20.93	21.08	21.00								
1.4	84QAM	3	3	21.01	21.12	20.91								
1.4	84QAM	8	0	20.01	20.02	19.99								
1.4	256QAM	1	0	18.05	18.04	17.88	21	3						
1.4	256QAM	1	3	17.88	17.95	17.89								
1.4	256QAM	1	5	17.97	17.99	17.85								
1.4	256QAM	3	0	17.96	18.06	17.86								
1.4	256QAM	3	1	17.89	17.92	17.85	19	5						
1.4	256QAM	3	3	17.99	18.08	18.03								
1.4	256QAM	3	5	18.02	18.07	18.00								



Band 42 FCCAnt2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up time (dBm)	MPR (dB)		
Channel				42190	42590	42990	Turn-up time (dBm)	MPR (dB)		
Frequency (MHz)				42190	42590	42990				
20	QPSK	1	0	23.49	23.53	23.48	24	0		
20	QPSK	1	48	23.32	23.43	23.32				
20	QPSK	1	96	23.38	23.48	23.32				
20	QPSK	50	0	22.45	22.55	22.49	23	1		
20	QPSK	50	24	22.38	22.51	22.38				
20	QPSK	50	48	22.39	22.54	22.48				
20	QPSK	100	0	22.35	22.50	22.40	23	1		
20	HQAM	1	0	22.45	22.57	22.55				
20	HQAM	1	48	22.29	22.49	22.27				
20	HQAM	50	0	22.41	22.48	22.38	22	2		
20	HQAM	50	24	21.51	21.59	21.53				
20	HQAM	50	48	21.53	21.58	21.52				
20	HQAM	100	0	21.29	21.47	21.43	22	2		
20	HQAM	1	0	21.52	21.57	21.55				
20	HQAM	1	48	21.37	21.48	21.38				
20	HQAM	50	0	20.50	20.54	20.80	21	3		
20	HQAM	50	24	20.45	20.54	20.47				
20	HQAM	50	50	20.45	20.62	20.58				
20	HQAM	100	0	20.43	20.62	20.51	19	5		
20	256QAM	1	0	18.53	18.55	18.48				
20	256QAM	1	48	18.36	18.45	18.29				
20	256QAM	1	96	18.37	18.50	18.29	19	5		
20	256QAM	50	0	18.50	18.68	18.56				
20	256QAM	50	24	18.43	18.57	18.42				
20	256QAM	50	50	18.44	18.65	18.50	Turn-up time (dBm)	MPR (dB)		
Channel				42155 <th>42590</th> <th>42955</th>	42590	42955				
Frequency (MHz)				42155 <th>42590</th> <th>42955</th> <th rowspan="2">Turn-up time (dBm)</th> <th colspan="2" rowspan="2">MPR (dB)</th>	42590	42955	Turn-up time (dBm)	MPR (dB)		
15	QPSK	1	0	23.43	23.45	23.32				
15	QPSK	1	37	23.25	23.28	23.21	24	0		
15	QPSK	1	74	23.29	23.35	23.27				
15	QPSK	36	0	22.39	22.52	22.48				
15	QPSK	36	20	22.24	22.39	22.35	23	1		
15	QPSK	36	39	22.31	22.47	22.42				
15	QPSK	75	0	22.21	22.38	22.27				
15	HQAM	1	0	22.39	22.42	22.42	23	1		
15	HQAM	1	37	22.21	22.44	22.21				
15	HQAM	1	74	22.29	22.33	22.32				
15	HQAM	36	0	21.41	21.47	21.40	22	2		
15	HQAM	36	39	21.29	21.41	21.25				
15	HQAM	36	59	21.38	21.41	21.39				
15	HQAM	75	0	21.25	21.45	21.38	22	2		
15	HQAM	1	0	21.45	21.57	21.58				
15	HQAM	1	37	21.33	21.33	21.22				
15	HQAM	1	74	21.41	21.45	21.27	21	3		
15	HQAM	36	0	20.36	20.57	20.52				
15	HQAM	36	20	20.39	20.41	20.42				
15	HQAM	36	39	20.35	20.52	20.48	19	5		
15	HQAM	75	0	20.29	20.54	20.47				
15	256QAM	1	0	18.41	18.46	18.37				
15	256QAM	1	37	18.22	18.35	18.20	19	5		
15	256QAM	1	74	18.34	18.48	18.25				
15	256QAM	36	0	18.40	18.53	18.41				
15	256QAM	36	20	18.29	18.53	18.37	19	5		
15	256QAM	36	39	18.37	18.57	18.40				
15	256QAM	75	0	18.34	18.54	18.36				
Channel				42140	42590	42940	Turn-up time (dBm)	MPR (dB)		
Frequency (MHz)				42140	42590	42940				
10	QPSK	1	0	23.40	23.48	23.34	24	0		
10	QPSK	1	25	23.18	23.39	23.22				
10	QPSK	1	49	23.34	23.41	23.21				
10	QPSK	36	0	22.39	22.45	22.35	23	1		
10	QPSK	25	12	22.33	22.57	22.35				
10	QPSK	25	25	22.38	22.40	22.38				
10	QPSK	36	0	22.28	22.40	22.28	23	1		
10	HQAM	1	0	22.37	22.64	22.44				
10	HQAM	1	25	22.20	22.42	22.12				
10	HQAM	1	49	22.14	22.34	22.29	22	1		
10	HQAM	25	0	21.43	21.51	21.44				
10	HQAM	25	12	21.50	21.42	21.35				
10	HQAM	25	25	21.29	21.44	21.44	22	2		
10	HQAM	50	0	21.33	21.41	21.28				
10	HQAM	1	0	21.48	21.65	21.46	22	2		
10	HQAM	1	25	21.29	21.57	21.23				
10	HQAM	1	49	21.40	21.50	21.52				
10	HQAM	25	0	20.45	20.49	20.55	21	3		
10	HQAM	25	12	20.31	20.40	20.42				
10	HQAM	25	25	20.40	20.59	20.48				
10	HQAM	50	0	20.34	20.58	20.47	19	5		
10	256QAM	1	0	18.42	18.44	18.43				
10	256QAM	1	25	18.25	18.46	18.23				
10	256QAM	1	49	18.53	18.45	18.23	19	5		
10	256QAM	25	0	18.45	18.57	18.51				
10	256QAM	25	12	18.31	18.42	18.37				
10	256QAM	25	25	18.40	18.55	18.35	19	5		
10	256QAM	50	0	18.33	18.50	18.35				
Channel				42115 <th>42590</th> <th>42965</th> <th rowspan="2">Turn-up time (dBm)</th> <th colspan="2" rowspan="2">MPR (dB)</th>	42590	42965	Turn-up time (dBm)	MPR (dB)		
Frequency (MHz)				42115 <th>42590</th> <th>42965</th>	42590	42965				
5	QPSK	1	0	23.43	23.45	23.36	24	0		
5	QPSK	1	12	23.19	23.35	23.17				
5	QPSK	1	24	23.27	23.43	23.22				
5	QPSK	12	0	22.38	22.43	22.44	23	1		
5	QPSK	12	7	22.26	22.42	22.27				
5	QPSK	12	13	22.32	22.39	22.36				
5	QPSK	25	0	22.27	22.47	22.31	23	1		
5	HQAM	1	0	22.39	22.53	22.48				
5	HQAM	1	12	22.22	22.48	22.19				
5	HQAM	1	24	22.29	22.39	22.31	22	2		
5	HQAM	12	0	21.47	21.55	21.40				
5	HQAM	12	7	21.24	21.40	21.25				
5	HQAM	12	13	21.38	21.43	21.41	22	2		
5	HQAM	25	0	21.36	21.44	21.28				
5	HQAM	1	0	21.40	21.50	21.43				
5	HQAM	1	12	21.09	21.57	21.38	21	3		
5	HQAM	1	24	21.38	21.37	21.33				
5	HQAM	12	0	20.40	20.59	20.54				
5	HQAM	12	7	20.40	20.48	20.43	19	5		
5	HQAM	12	13	20.35	20.58	20.45				
5	HQAM	25	0	20.39	20.55	20.42				
5	256QAM	1	0	18.44	18.40	18.35	19	5		
5	256QAM	1	12	18.28	18.31	18.25				
5	256QAM	1	24	18.23	18.44	18.15				
5	256QAM	12	0	18.36	18.57	18.53	19	5		
5	256QAM	12	7	18.33	18.43	18.29				
5	256QAM	12	13	18.53	18.60	18.38				
5	256QAM	25	0	18.38	18.54	18.32	Turn-up time (dBm)	MPR (dB)		
Channel				42115 <th>42590</th> <th>42965</th>	42590	42965				
Frequency (MHz)				42115 <th>42590</th> <th>42965</th> <th rowspan="2">Turn-up time (dBm)</th> <th colspan="2" rowspan="2">MPR (dB)</th>	42590	42965	Turn-up time (dBm)	MPR (dB)		
5	QPSK	1	0	23.43	23.45	23.36				
5	QPSK	1	12	23.19	23.35	23.17	24	0		
5	QPSK	1	24	23.27	23.43	23.22				
5	QPSK	12	0	22.38	22.43	22.44				
5	QPSK	12	7	22.26	22.42	22.27	23	1		
5	QPSK	12	13	22.32	22.39	22.36				
5	QPSK	25	0	22.27	22.47	22.31				
5	HQAM	1	0	22.39	22.53	22.48	23	1		
5	HQAM	1	12	22.22	22.48	22.19				
5	HQAM	1	24	22.29	22.39	22.31				
5	HQAM	12	0	21.47	21.55	21.40	22	2		
5	HQAM	12	7	21.24	21.40	21.25				
5	HQAM	12	13	21.38	21.43	21.41				
5	HQAM	25	0	21.36	21.44	21.28	22	2		
5	HQAM	1	0	21.40	21.50	21.43				
5	HQAM	1	12	21.09	21.57	21.38				
5	HQAM	1	24	21.38	21.37	21.33	21	3		
5	HQAM	12	0	20.40	20.59	20.54				
5	HQAM	12	7	20.40	20.48	20.43				
5	HQAM	12	13	20.35	20.58	20.45	19	5		
5	HQAM	25	0	20.39	20.55	20.42				
5	256QAM	1	0	18.44	18.40	18.35				
5	256QAM	1	12	18.28	18.31	18.25	19	5		
5	256QAM	1	24	18.23	18.44	18.15				
5	256QAM	12	0	18.36	18.57	18.53				
5	256QAM	12	7	18.33	18.43	18.29	19	5		
5	256QAM	12	13	18.53	18.60	18.38				
5	256QAM	25	0	18.38	18.54	18.32				



Reduced Power Mode for WWAN DBS E-Simultaneous

CDMA2000 Ant Tx Channel	Base Average Power (dBm)			Turn-up Limit (dBm)	Frame Average Power (dBm)			Turn-up Limit (dBm)
	198	199	201		198	199	201	
Frequency (MHz)	824.2	824.4	824.8		824.2	824.4	824.8	
CDMA 1 Tx slot	32.80	32.71	32.62	33.00	33.00	33.71	33.60	34.00
QPRS 1 Tx slot	32.80	32.68	32.88	33.00	33.80	23.85	23.88	24.80
QPRS 2 Tx slot	33.70	30.78	33.42	33.00	34.70	24.39	24.42	25.30
QPRS 3 Tx slot	29.18	29.28	29.35	30.00	34.02	24.09	24.90	25.24
QPRS 4 Tx slot	27.58	27.62	27.56	29.00	24.98	24.62	24.98	26.00
EDGE 1 Tx slot	28.74	28.71	28.76	27.00	17.74	17.71	17.76	18.50
EDGE 2 Tx slot	28.73	28.67	28.68	27.00	19.73	19.67	19.68	21.00
EDGE 3 Tx slot	28.37	28.38	28.32	26.00	19.11	19.01	19.07	21.24
EDGE 4 Tx slot	22.62	22.64	22.39	24.00	19.62	19.64	19.36	21.00

CDMA2000 Ant Tx Channel	Base Average Power (dBm)			Turn-up Limit (dBm)	Frame Average Power (dBm)			Turn-up Limit (dBm)
	198.2	198.0	199.2		198.2	198.0	199.2	
Frequency (MHz)	869.2	869.0	869.2		869.2	869.0	869.2	
CDMA 1 Tx slot	30.07	30.04	30.00	30.00	21.07	21.04	21.00	21.50
QPRS 1 Tx slot	31.46	30.82	31.46	30.00	21.06	21.32	21.36	21.50
QPRS 2 Tx slot	27.04	27.29	27.38	28.00	21.04	21.09	21.38	22.50
QPRS 3 Tx slot	26.18	26.07	26.23	27.00	21.02	22.11	21.97	23.24
QPRS 4 Tx slot	24.60	24.78	24.71	26.00	21.60	21.78	21.71	23.00
EDGE 1 Tx slot	26.97	26.17	25.79	27.00	16.97	17.17	16.79	18.00
EDGE 2 Tx slot	26.62	26.12	24.60	26.00	18.62	18.71	18.60	20.00
EDGE 3 Tx slot	23.52	23.79	23.38	24.00	19.24	19.44	19.12	20.24
EDGE 4 Tx slot	21.06	22.14	21.77	23.00	18.36	18.34	18.77	20.00

SBS Tx Channel	WCDMA 8 Ant			Turn-up Limit (dBm)	WCDMA 1V Ant			Turn-up Limit (dBm)	WCDMA 1V Ant			Turn-up Limit (dBm)	
	9262	9650	9538		1312	1433	1513		4132	4165	4228		
Frequency (MHz)	9662	9660	9668		1637	1638	1738		4367	4407	4468		
SCPP Rel#0	AMR 12.2kops	22.86	22.62	22.88	23.50	20.18	20.07	20.37	21.40	23.16	23.30	23.25	24.00
SCPP Rel#1	RMBC 12.2kops	22.65	22.65	22.67	23.50	20.36	20.45	20.37	21.40	23.25	23.36	23.35	24.00
SCPP Rel#2	HS-PA Subslot-1	21.08	21.06	21.07	22.75	19.35	19.40	19.36	20.40	22.34	22.29	21.96	23.00
SCPP Rel#3	HS-PA Subslot-2	21.88	22.04	21.93	22.75	19.25	19.37	19.28	20.40	22.22	22.32	22.15	23.00
SCPP Rel#4	HS-PA Subslot-3	21.53	21.51	21.47	22.20	19.70	19.83	19.67	19.90	21.79	21.76	21.64	22.50
SCPP Rel#5	HS-PA Subslot-4	21.37	21.47	21.39	22.20	19.84	19.95	19.84	19.96	21.68	21.78	21.57	22.50
SCPP Rel#6	DC-HSPA Subslot-1	22.55	21.89	22.54	22.50	19.47	19.48	19.29	20.40	22.21	22.19	21.94	23.00
SCPP Rel#7	DC-HSPA Subslot-2	21.96	21.89	21.93	22.50	19.43	19.41	19.43	20.40	22.20	22.24	21.97	23.00
SCPP Rel#8	DC-HSPA Subslot-3	21.40	21.45	21.56	22.00	19.93	19.88	19.95	19.90	21.66	21.71	21.45	22.50
SCPP Rel#9	DC-HSPA Subslot-4	21.40	21.44	21.53	22.00	19.97	19.94	19.98	19.90	21.66	21.79	21.58	22.50
SCPP Rel#0	HSPA Subslot-1	22.03	22.03	21.97	22.50	19.43	19.37	19.37	20.40	22.28	22.32	22.07	23.00
SCPP Rel#1	HSPA Subslot-2	22.04	19.90	22.02	20.00	17.40	17.34	17.43	18.40	20.25	20.21	20.10	21.00
SCPP Rel#2	HSPA Subslot-3	22.89	21.12	21.07	21.00	18.34	18.39	18.41	19.40	21.16	21.22	21.07	22.00
SCPP Rel#3	HSPA Subslot-4	20.62	19.83	19.80	20.00	17.40	17.38	17.27	18.40	20.18	20.12	20.10	21.00
SCPP Rel#4	HSPA Subslot-5	21.97	22.09	21.92	22.50	19.42	19.35	19.43	20.40	22.21	22.23	22.10	23.00



Band 2 Ant0											
BW [MHz]	Modulation	RB Size	RB Offset	Power Mod Ch./F.Freq.	Power Hsp Ch./F.Freq.	Power Hsp Ch./F.Freq.	Turn-up time (sec)	MPR (dB)			
Channel											
Frequency [MHz]											
20	QPSK	1	0	22.16	22.20	22.15	23.3	0			
20	QPSK	1	49	22.10	22.17	22.02					
20	QPSK	1	99	22.05	22.11	22.16					
20	QPSK	50	0	21.76	21.81	21.77	23	0.3			
20	QPSK	50	24	21.81	21.83	21.79					
20	QPSK	50	50	21.82	21.70	21.81					
20	16QAM	1	0	21.87	22.00	21.79	23	0.3			
20	16QAM	1	49	21.73	21.81	21.71					
20	16QAM	1	99	21.85	21.96	21.76					
20	16QAM	50	0	20.88	20.94	20.85	22	1.3			
20	16QAM	50	24	20.83	20.59	20.88					
20	16QAM	50	50	20.88	20.87	20.79					
20	64QAM	1	0	20.93	20.86	20.94	22	1.3			
20	64QAM	1	49	20.91	20.82	20.88					
20	64QAM	1	99	20.85	20.85	20.82					
20	64QAM	50	24	19.97	19.86	19.94	21	2.3			
20	64QAM	50	50	19.93	19.87	19.76					
20	64QAM	100	0	19.71	19.91	19.76					
20	256QAM	1	0	17.74	17.82	17.80	19	4.3			
20	256QAM	1	99	17.84	17.69	17.76					
20	256QAM	50	0	17.86	17.82	17.83					
20	256QAM	50	24	17.83	17.87	17.85	19	4.3			
20	256QAM	50	50	17.73	17.84	17.84					
20	256QAM	100	0	17.86	17.76	17.84					
Channel											
Frequency [MHz]											
15	QPSK	1	0	18.97	18.99	18.95	23.3	0			
15	QPSK	1	49	22.01	22.05	22.02					
15	QPSK	1	74	22.02	21.91	21.95					
15	QPSK	36	0	21.79	21.89	21.73	23	0.3			
15	QPSK	36	36	21.77	21.86	21.84					
15	QPSK	36	39	21.81	21.89	21.68					
15	QPSK	75	0	21.71	21.80	21.72	23	0.3			
15	16QAM	1	99	21.81	21.81	21.59					
15	16QAM	1	37	21.81	21.82	21.73					
15	16QAM	1	74	21.66	21.79	21.75	22	1.3			
15	16QAM	36	24	21.74	21.72	17.86					
15	16QAM	36	20	20.73	20.87	20.64					
15	16QAM	50	24	20.85	20.89	20.73	21	2.3			
15	16QAM	75	0	20.86	20.94	20.77					
15	64QAM	1	0	20.84	20.82	20.87					
15	64QAM	1	99	20.83	20.70	20.86	21	2.3			
15	64QAM	50	0	19.49	19.52	19.53					
15	64QAM	1	74	20.58	20.52	20.77					
15	64QAM	36	0	19.80	19.70	19.69	19	4.3			
15	64QAM	36	39	19.81	19.87	19.84					
15	64QAM	36	39	19.52	19.70	19.51					
15	64QAM	75	0	19.82	19.88	19.86	19	4.3			
15	256QAM	1	37	17.74	17.87	17.54					
15	256QAM	1	74	17.82	17.63	17.69					
15	256QAM	36	24	17.86	17.86	17.86	19	4.3			
15	256QAM	36	20	17.87	17.83	17.76					
15	256QAM	36	39	17.83	17.84	17.58					
15	256QAM	75	0	17.44	17.52	17.63	23.3	0			
15	QPSK	1	0	22.11	22.13	22.13					
15	QPSK	1	25	21.86	22.14	21.94					
15	QPSK	1	49	21.88	21.96	22.13	23	0.3			
15	QPSK	25	0	21.70	21.81	21.73					
15	QPSK	25	13	21.87	21.81	21.84					
15	QPSK	25	25	21.72	21.66	21.82	23	0.3			
15	QPSK	25	25	21.80	21.74	21.87					
15	16QAM	1	0	21.84	21.89	21.64					
15	16QAM	1	25	21.84	21.70	21.69	23	0.3			
15	16QAM	1	83	21.83	21.82	21.87					
15	16QAM	25	0	20.77	20.80	20.81					
15	16QAM	25	12	20.70	20.52	20.68	22	1.3			
15	16QAM	25	12	20.69	20.73	20.68					
15	16QAM	50	0	20.68	20.72	20.64					
15	16QAM	1	0	20.82	20.83	20.82	22	1.3			
15	64QAM	75	0	19.49	19.53	19.53					
15	64QAM	1	49	20.49	20.59	20.81					
15	64QAM	25	0	19.73	19.59	19.59	21	2.3			
15	64QAM	25	0	19.87	19.87	19.86					
15	64QAM	25	25	19.74	19.73	19.53					
15	64QAM	50	0	19.55	19.66	19.56	19	4.3			
15	256QAM	1	0	17.68	17.77	17.68					
15	256QAM	1	25	17.75	17.75	17.75					
15	256QAM	1	49	17.82	17.65	17.67	19	4.3			
15	256QAM	1	99	17.87	17.83	17.83					
15	256QAM	25	12	17.89	17.87	17.80					
15	256QAM	25	25	17.86	17.87	17.86	19	4.3			
15	256QAM	25	25	17.86	17.87	17.86					
15	256QAM	50	0	17.76	17.83	17.75					
Channel											
Frequency [MHz]											
5	QPSK	1	0	22.07	22.11	22.01	23.3	0			
5	QPSK	1	12	22.10	22.15	22.03					
5	QPSK	1	24	21.92	22.01	21.94					
5	QPSK	1	24	21.92	21.91	21.84	23	0.3			
5	QPSK	1	50	21.84	21.84	21.86					
5	QPSK	12	7	21.76	21.84	21.68					
5	QPSK	12	13	21.74	21.60	21.80	23	0.3			
5	16QAM	1	0	21.78	21.88	21.79					
5	16QAM	1	0	21.78	21.88	21.81					
5	16QAM	1	12	21.58	21.77	21.66	23	0.3			
5	16QAM	1	12	21.57	21.75	21.60					
5	16QAM	12	0	20.73	20.73	20.74					
5	16QAM	12	7	20.83	20.67	20.59	22	1.3			
5	16QAM	12	8	20.87	20.83	20.83					
5	16QAM	25	0	20.80	20.74	20.83					
5	16QAM	1	0	20.72	20.70	20.83	22	1.3			
5	64QAM	15	0	20.85	20.81	20.56					
5	64QAM	1	24	20.47	20.83	20.29					
5	64QAM	12	0	19.89	19.74	19.66	21	2.3			
5	64QAM	12	0	19.90	19.86	19.82					
5	64QAM	12	13	19.81	19.87	19.81					
5	64QAM	1	0	19.86	19.86	19.86	19	4.3			
5	64QAM	1	0	17.85	17.88	17.83					
5	256QAM	1	12	17.84	17.66	17.59					
5	256QAM	1	24	17.80	17.88	17.80	19	4.3			
5	256QAM	1	24	17.80	17.88	17.80					
5	256QAM	12	7	17.89	17.86	17.73					
5	256QAM	12	13	17.89	17.86	17.73	19	4.3			
5	256QAM	12	13	17.89	17.86	17.73					
5	256QAM	12	13	17.89	17.86	17.73					
Channel											
Frequency [MHz]											
3	QPSK	1	0	22.17	22.19	22.15	23.3	0			
3	QPSK	1	8	22.04	22.12	21.90					
3	QPSK	1	14	22.00	22.01	21.94					
3	QPSK	1	24	21.92	21.91	21.84	23	0.3			
3	QPSK	1	50	21.84	21.84	21.86					
3	QPSK	8	4	21.72	21.78	21.61					
3	QPSK	8	12	21.76	21.64	21.82	23	0.3			
3	QPSK	15	0	21.73	21.89	21.82					
3	16QAM	1	0	21.71	21.83	21.72					
3	16QAM	1	8	21.72	21.77	21.63	23	0.3			
3	16QAM	1	14	21.71	21.71	21.63					
3	16QAM	1	24	21.75	21.74	21.61					
3	16QAM	8	0	20.75	20.87	20.73	22	1.3			
3	16QAM	8	8	20.87	20.76	20.77					
3	16QAM	8	7	20.83	20.81	20.77					
3	16QAM	15	0	20.83	20.73	20.79	22	1.3			
3	16QAM	15	8	20.85	20.78	20.74					
3	16QAM	1	8	20.82	20.85	20.48					
3	16QAM	1	14	20.50	20.68	20.48	21	2.3			
3	64QAM	3	0	19.86	19.86	19.81					
3	64QAM	8	4	19.86	19.78	19.82					
3	64QAM	8	7	19.82	19.86	19.82	21	2.3			
3	64QAM	8	7	19.49	19.49	19.49					
3	64QAM	1	0	17.68	17.71	17.68					
3	64QAM	1	0	17.68	17.71	17.62	19	4.3			
3	64QAM	1	14	17.73	17.42	17.48					
3	64QAM	8	0	17.84	17.64	17.73					
3	64QAM	8	7	17.86	17.76	17.76	19	4.3			
3	64QAM	8	7	17.83	17.81	17.76					
3	256QAM	1	0	17.80	17.62	17.76					
Channel											
Frequency [MHz]											
1.4	QPSK	1	0	22.17	22.21	22.14	23.3	0			
1.4	QPSK	1	8	22.06	22.20	21.89					
1.4	QPSK	1	20	21.97	22.00	21.89					
1.4	QPSK	3	0	21.55	21.81	21.57	23.5	0			
1.4	QPSK	3	1	21.72	21.87	21.62					
1.4	QPSK	3	1	21.62	21.84	21.62					
1.4	QPSK	5	0	21.86	21.77	21.88	23	0.2			
1.4	QPSK	5	1	21.76	21.88	21.71					
1.4	QPSK	5	1	21.61	21.85	21.63					
1.4	16QAM	1	0	21.83	21.87	21.73	23	0.3			
1.4	16QAM	1	8	21.87	21.86	21.86					
1.4	16QAM	3	0	21.49	21.55	21.48					
1.4	16QAM	3	3	21.72	21.77	21.81	22	1.3			
1.4	16QAM	3	3	20.83	20.64	20.49					
1.4	16QAM	3	3	20.83	20.64	20.49					
1.4	16QAM	3	0	20.70	20.74	20.69	22	1.3			
1.4	16QAM	3	3	20.88	20.63	20.50					
1.4	16QAM	3	3	20.88	20.63	20.50					
1.4	16QAM	3	0	19.56	19.71	19.81	21	2.8			
1.4	16QAM	3	3	17.64	17.64	17.74					
1.4	16QAM	3	3	17.64	17.64	17.64					
1.4	16QAM	3	0	17.76	17.81	17.83	19	4.3			
1.4	16QAM	3	3	17.82	17.82	17.82					
1.4	16QAM	3	3	17							



Band 12 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dB)	APR3 (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	23.18	23.27	23.21			
10	QPSK	1	25	23.03	23.10	23.06	24	0	
10	QPSK	1	49	23.02	23.08	23.06			
10	QPSK	25	0	22.00	22.10	22.00			
10	QPSK	25	12	22.02	22.11	22.04			
10	QPSK	25	25	22.01	22.08	21.94	23	1	
10	QPSK	50	0	22.08	22.14	22.09			
10	16QAM	1	0	22.15	22.21	22.12			
10	16QAM	1	25	22.08	22.17	22.06	23	1	
10	16QAM	1	49	22.03	22.07	21.94			
10	16QAM	25	0	20.98	21.10	21.05			
10	16QAM	25	12	21.07	21.13	21.05	22	2	
10	16QAM	25	25	21.04	21.04	20.96			
10	16QAM	50	0	21.05	21.13	21.10			
10	64QAM	1	0	21.17	21.14	21.10			
10	64QAM	1	25	21.04	21.11	20.96	22	2	
10	64QAM	1	49	20.99	21.00	20.99			
10	64QAM	25	0	20.00	20.11	19.91			
10	64QAM	25	12	19.97	20.12	20.05			
10	64QAM	25	25	20.00	20.05	19.91	21	3	
10	64QAM	50	0	19.99	19.14	20.02			
10	256QAM	1	0	18.12	18.16	18.16			
10	256QAM	1	25	17.85	18.08	18.04	19	5	
10	256QAM	1	49	18.00	18.08	17.94			
10	256QAM	25	0	17.92	18.04	18.04			
10	256QAM	25	12	17.99	18.18	18.02	19	5	
10	256QAM	25	25	18.00	18.03	18.00			
10	256QAM	50	0	18.11	18.11	18.11			
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.08	23.15	23.11			
5	QPSK	1	12	22.92	23.11	22.99	24	0	
5	QPSK	1	24	22.96	22.99	22.96			
5	QPSK	12	0	21.93	22.10	21.94			
5	QPSK	12	7	21.93	21.98	21.92	23	1	
5	QPSK	12	13	21.93	21.98	21.82			
5	QPSK	25	0	22.00	22.03	22.00			
5	16QAM	1	0	22.09	22.16	21.98			
5	16QAM	1	12	22.00	22.13	22.01	23	1	
5	16QAM	1	24	21.96	22.01	21.96			
5	16QAM	12	0	20.85	21.01	21.00			
5	16QAM	12	7	21.01	21.08	20.95	22	2	
5	16QAM	12	13	20.96	20.95	20.95			
5	16QAM	25	0	20.93	21.08	21.00			
5	64QAM	1	0	21.04	21.04	21.03			
5	64QAM	1	12	21.00	21.00	21.00	22	2	
5	64QAM	1	24	20.97	20.94	20.95			
5	64QAM	12	0	19.89	20.01	19.86			
5	64QAM	12	7	19.88	20.00	19.88			
5	64QAM	12	13	19.96	19.94	19.91	21	3	
5	64QAM	25	0	19.87	19.87	19.86			
5	256QAM	1	0	18.00	18.00	18.00			
5	256QAM	1	12	17.80	18.04	17.90	19	5	
5	256QAM	1	24	17.86	17.87	17.89			
5	256QAM	12	0	17.88	18.03	17.88			
5	256QAM	12	7	17.88	18.03	17.83	19	5	
5	256QAM	12	13	17.92	17.85	17.96			
5	256QAM	25	0	18.02	18.01	18.05			
Channel									
Frequency (MHz)									
3	QPSK	1	0	23.05	23.05	23.05			
3	QPSK	1	8	22.97	23.11	22.94	24	0	
3	QPSK	1	14	22.90	23.00	22.96			
3	QPSK	8	0	21.86	22.12	21.94			
3	QPSK	8	4	21.94	21.95	21.90	23	1	
3	QPSK	8	7	21.88	21.94	21.87			
3	16QAM	1	0	22.01	22.02	22.01			
3	16QAM	1	0	22.09	22.10	22.09			
3	16QAM	1	8	21.98	22.14	21.96	23	1	
3	16QAM	1	14	21.97	21.94	21.96			
3	16QAM	8	0	20.94	21.08	20.99			
3	16QAM	8	4	21.03	21.02	21.00	22	2	
3	16QAM	8	7	20.96	20.91	20.92			
3	16QAM	15	0	20.90	21.01	20.97			
3	64QAM	1	0	21.03	21.07	21.07	22	2	
3	64QAM	1	8	21.01	20.98	20.97			
3	64QAM	1	14	20.93	20.90	20.91			
3	64QAM	8	0	19.94	19.99	19.97			
3	64QAM	8	4	19.89	20.00	19.94	21	3	
3	64QAM	8	7	19.89	19.99	19.82			
3	64QAM	15	0	19.94	20.07	19.95			
3	256QAM	1	0	18.04	18.04	18.09			
3	256QAM	1	8	17.89	17.99	17.82	19	5	
3	256QAM	1	14	17.86	17.96	17.86			
3	256QAM	8	0	17.87	18.00	17.85			
3	256QAM	8	4	17.91	18.09	17.96	19	5	
3	256QAM	8	7	17.94	17.95	17.85			
3	256QAM	15	0	18.01	18.07	18.07			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	23.12	23.09	23.09			
1.4	QPSK	1	3	22.99	23.10	22.96	24	0	
1.4	QPSK	1	5	22.94	22.94	22.92			
1.4	QPSK	3	0	22.91	23.07	22.95			
1.4	QPSK	3	1	22.90	23.00	22.94			
1.4	QPSK	3	3	22.91	23.01	22.81	23	1	
1.4	QPSK	8	0	21.98	22.08	22.04			
1.4	16QAM	1	0	22.10	22.16	22.08			
1.4	16QAM	1	3	22.03	22.05	22.02			
1.4	16QAM	1	5	21.91	22.02	21.89	23	1	
1.4	16QAM	3	0	21.85	22.02	22.01			
1.4	16QAM	3	1	21.96	22.04	21.95			
1.4	16QAM	3	3	22.00	22.01	21.84			
1.4	16QAM	6	0	20.95	21.06	20.95	22	2	
1.4	64QAM	1	0	21.09	21.08	21.05			
1.4	64QAM	1	3	20.99	21.05	20.81			
1.4	64QAM	1	5	20.90	20.95	20.95	22	2	
1.4	64QAM	3	0	20.89	21.01	20.79			
1.4	64QAM	3	1	20.85	21.04	21.01			
1.4	64QAM	3	3	20.89	20.97	20.89			
1.4	64QAM	6	0	19.96	20.01	19.93	21	3	
1.4	256QAM	1	0	18.05	18.07	18.11			
1.4	256QAM	1	3	17.85	17.99	17.82	19	5	
1.4	256QAM	1	5	17.87	17.96	17.82			
1.4	256QAM	3	0	17.92	18.10	17.88			
1.4	256QAM	3	1	17.94	18.11	17.80			
1.4	256QAM	3	3	17.93	17.89	17.94	19	5	
1.4	256QAM	6	0	18.03	18.00	17.99			

Band 13 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dB)	APR3 (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0		762	23.09			
10	QPSK	1	25		23.07		24	0	
10	QPSK	1	49		23.01				
10	QPSK	25	0		22.13				
10	QPSK	25	12		22.08		23	1	
10	QPSK	25	25		22.06				
10	QPSK	50	0		22.17				
10	16QAM	1	0		22.06				
10	16QAM	1	25		21.99		23	1	
10	16QAM	1	49		22.02				
10	16QAM	25	0		21.98				
10	16QAM	25	12		20.99		22	2	
10	16QAM	25	25		20.97				
10	16QAM	50	0		21.13				
10	64QAM	1	0		21.09				
10	64QAM	1	25		20.96		22	2	
10	64QAM	1	49		21.09				
10	64QAM	25	0		20.03				
10	64QAM	25	12		19.95		21	3	
10	64QAM	25	25		19.98				
10	64QAM	50	0		20.09				
10	256QAM	1	0		18.04				
10	256QAM	1	25		18.11		19	5	
10	256QAM	1	49		18.05				
10	256QAM	25	0		18.08				
10	256QAM	25	12		18.12		19	5	
10	256QAM	25	25		18.03				
10	256QAM	50	0		18.16				
Channel									
Frequency (MHz)									
5	QPSK	1	0		779.5	762	784.5		
5	QPSK	1	12		22.82	23.05	22.81	24	0
5	QPSK	1	24		22.84	22.88	22.82		
5	QPSK	1	36		21.83	21.83	21.88		
5	QPSK	12	0		21.99	22.06	21.92		
5	QPSK	12	7		21.84	22.02	22.01	23	1
5	QPSK	12	13		21.93	22.02	21.88		
5	QPSK	25	0		21.84	22.09	22.00		
5	16QAM	1	0		21.87	22.01	21.81		
5	16QAM	1	12		21.82	21.88	21.75	23	1
5	16QAM	1	24		21.85	21.88	21.87		
5	16QAM	12	0		20.97	20.95	20.96		
5	16QAM	12	7		20.90	20.95	20.75		
5	16QAM	12	13		20.72	20.92	20.89	22	2
5	16QAM	25	0		20.95	21.03	20.87		
5	16QAM	25	12		20.98	21.05	20.92		
5	16QAM	1	12		20.76	20.91	20.83	22	2
5	16QAM	1	24		20.93	20.97	20.91		
5	16QAM	12	0		19.93	19.92	19.88		
5	16QAM	12	7		19.85	19.91	19.81	21	3
5	16QAM	12	13		19.75	19.91	19.78		
5	16QAM	1	0		19.83	19.86	19.82		
5	256QAM	1	0		17.86	18.00	17.79		
5	256QAM	1	12		18.01	18.08	17.88	19	5
5	256QAM	1	24		17.77	17.82	17.86		
5	256QAM	12	0		17.90	17.94	17.85		
5	256QAM	12	7		17.92	18.06	17.86		
5	256QAM	12	13		17.87	18.02	17.86	19	5
5	256QAM	25	0		18.04	18.16	18.10		

Band 25 Ant0											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turnup time (sec)	MPE (dB)			
Channel											
Frequency (MHz)											
20	QPSK	1	0	22.14	22.20	22.08	23.3	0			
20	QPSK	1	49	22.13	22.23	22.07					
20	QPSK	1	99	22.00	22.09	22.06					
20	QPSK	50	0	21.89	22.10	21.72					
20	QPSK	50	24	21.84	21.92	21.88	23	0.3			
20	QPSK	50	50	21.87	21.90	21.76					
20	QPSK	100	0	21.81	22.03	21.68					
20	16QAM	50	0	21.72	21.89	21.79					
20	16QAM	1	49	21.82	21.92	21.83	23	0.3			
20	16QAM	1	99	21.93	21.92	21.83					
20	16QAM	50	0	20.81	21.10	20.98					
20	16QAM	50	24	20.72	20.85	20.78					
20	16QAM	50	50	20.69	20.74	20.61	22	1.3			
20	16QAM	100	0	20.80	21.09	20.75					
20	64QAM	1	0	20.88	20.98	20.72					
20	64QAM	1	49	20.72	20.83	20.76					
20	64QAM	1	99	20.79	20.86	20.85	21	2.3			
20	64QAM	50	24	19.88	20.04	19.77					
20	64QAM	50	50	19.83	19.98	19.88					
20	64QAM	100	0	19.72	19.87	19.73					
20	256QAM	1	49	17.94	17.90	17.89	19	4.3			
20	256QAM	1	99	17.75	17.72	17.82					
20	256QAM	50	0	17.81	17.85	17.86					
20	256QAM	50	24	17.94	17.98	17.75					
20	256QAM	50	50	17.84	17.83	17.72	19	4.3			
20	256QAM	100	0	17.40	17.63	17.56					
Channel											
Frequency (MHz)											
16	QPSK	1	0	22.01	22.11	21.88	23.3	0			
16	QPSK	1	37	22.05	22.08	21.93					
16	QPSK	1	74	21.85	22.04	21.89					
16	QPSK	36	0	21.83	21.93	21.69					
16	QPSK	36	36	21.86	21.73	21.71	23	0.3			
16	QPSK	36	72	21.89	21.78	21.63					
16	QPSK	72	0	21.62	21.90	21.56					
16	16QAM	1	74	21.65	21.83	21.71					
16	16QAM	1	37	21.82	21.81	21.72	23	0.3			
16	16QAM	1	74	21.76	21.79	21.65					
16	16QAM	36	0	20.67	21.00	20.68					
16	16QAM	36	20	20.71	20.83	20.72					
16	16QAM	36	36	20.65	20.88	20.84	22	1.3			
16	16QAM	75	0	20.60	20.98	20.71					
16	64QAM	1	0	20.78	20.78	20.58					
16	64QAM	1	37	20.67	20.79	20.64					
16	64QAM	1	74	20.71	20.75	20.77	21	2.3			
16	64QAM	36	0	19.67	19.86	19.58					
16	64QAM	36	20	19.79	19.80	19.64					
16	64QAM	36	36	19.77	19.93	19.87					
16	64QAM	75	0	19.64	19.87	19.72	19	4.3			
16	256QAM	1	74	17.86	17.85	17.86					
16	256QAM	1	37	17.74	17.91	17.85					
16	256QAM	1	74	17.85	17.87	17.77					
16	256QAM	36	0	17.82	17.84	17.73	19	4.3			
16	256QAM	36	20	17.85	17.84	17.55					
16	256QAM	36	36	17.84	17.78	17.71					
16	256QAM	75	0	17.40	17.63	17.56					
Channel											
Frequency (MHz)											
16	QPSK	1	0	21.87	22.00	21.84	23.3	0			
16	QPSK	1	25	21.94	22.08	21.96					
16	QPSK	1	49	21.85	22.07	22.05					
16	QPSK	25	0	21.82	21.92	21.68					
16	QPSK	25	12	21.91	21.80	21.72	23	0.3			
16	QPSK	25	25	21.67	21.78	21.72					
16	QPSK	50	0	21.84	21.90	21.67					
16	16QAM	1	0	21.62	21.84	21.69					
16	16QAM	1	25	21.62	21.88	21.62	23	0.3			
16	16QAM	1	49	21.76	21.74	21.83					
16	16QAM	25	0	20.80	21.05	20.80					
16	16QAM	25	12	20.67	20.86	20.72					
16	16QAM	50	0	20.60	20.71	20.68	22	1.3			
16	16QAM	50	12	20.63	20.71	20.68					
16	16QAM	50	0	20.62	20.87	20.59					
16	16QAM	1	0	20.69	20.82	20.52					
16	64QAM	1	24	20.66	20.84	20.75	22	1.3			
16	64QAM	1	49	20.64	20.72	20.65					
16	64QAM	25	0	19.71	20.03	19.73					
16	64QAM	25	12	19.70	19.82	19.68					
16	64QAM	25	25	19.68	19.86	19.67	21	2.3			
16	64QAM	50	0	19.51	19.80	19.69					
16	256QAM	1	0	17.72	17.80	17.85					
16	256QAM	1	25	17.86	17.70	17.85					
16	256QAM	25	12	17.81	17.80	17.73	19	4.3			
16	256QAM	25	25	17.83	17.85	17.66					
16	256QAM	50	0	17.40	17.63	17.56					
Channel											
Frequency (MHz)											
5	QPSK	1	0	22.03	22.16	22.03			23.3	0	
5	QPSK	1	12	21.94	22.22	21.86					
5	QPSK	1	24	21.94	21.99	21.93					
5	QPSK	12	0	21.73	22.11	21.73					
5	QPSK	12	7	21.86	21.87	21.84	23	0.3			
5	QPSK	12	13	21.71	21.79	21.64					
5	QPSK	25	0	21.70	21.88	20.75					
5	16QAM	1	0	21.50	21.79	21.79					
5	16QAM	1	12	21.74	21.84	21.84	23	0.3			
5	16QAM	1	24	21.93	21.81	21.72					
5	16QAM	12	0	20.71	20.88	20.84					
5	16QAM	12	7	20.62	20.84	20.63					
5	16QAM	12	13	20.67	20.81	20.62	22	1.3			
5	16QAM	25	0	20.74	20.96	20.68					
5	64QAM	1	0	20.62	20.88	20.67					
5	64QAM	1	12	20.68	20.89	20.69					
5	64QAM	1	24	20.78	20.74	20.70	21	2.3			
5	64QAM	12	0	19.73	19.93	19.63					
5	64QAM	12	7	19.84	20.12	19.78					
5	64QAM	12	13	19.77	19.84	19.72					
5	64QAM	25	0	19.62	19.81	19.69	19	4.3			
5	256QAM	1	0	17.78	17.78	17.59					
5	256QAM	1	12	17.81	17.85	17.73					
5	256QAM	1	24	17.86	17.63	17.76					
5	256QAM	12	0	17.69	17.90	17.71	19	4.3			
5	256QAM	12	7	17.87	17.97	17.65					
5	256QAM	12	13	17.85	17.94	17.63					
5	256QAM	25	0	17.62	17.81	17.68					
Channel											
Frequency (MHz)											
3	QPSK	1	0	22.09	22.19	22.05	23.3	0			
3	QPSK	1	8	22.11	22.21	22.07					
3	QPSK	1	14	21.92	22.06	21.89					
3	QPSK	8	0	21.73	22.05	21.71					
3	QPSK	8	4	21.80	21.86	21.83	23	0.3			
3	QPSK	8	7	21.83	21.77	21.73					
3	QPSK	15	0	21.71	21.80	21.59					
3	16QAM	1	0	21.68	21.71	21.67					
3	16QAM	1	8	21.63	21.72	21.64	23	0.3			
3	16QAM	1	14	21.84	21.78	21.72					
3	16QAM	8	0	20.80	21.00	20.85					
3	16QAM	8	4	20.68	20.86	20.76					
3	16QAM	8	7	20.54	20.71	20.61	22	1.3			
3	16QAM	15	0	20.80	21.01	20.68					
3	16QAM	15	0	20.69	20.78	20.64					
3	64QAM	1	0	20.71	20.82	20.74					
3	64QAM	1	14	20.79	20.71	20.67	21				



Band 38 Ant0												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up Int. (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	22.91	22.95	22.93	23.8	0				
20	QPSK	1	49	22.81	22.87	22.87						
20	QPSK	1	98	22.84	22.92	22.90						
20	QPSK	50	0	22.08	22.30	22.19						
20	QPSK	50	24	22.11	22.08	22.24	23	0.8				
20	QPSK	50	49	22.03	22.22	22.13						
20	QPSK	100	0	22.14	22.22	21.99						
20	HQAM	1	0	22.65	22.29	22.13						
20	HQAM	1	49	22.12	22.50	21.92	23	0.8				
20	HQAM	1	99	21.98	22.09	22.21						
20	HQAM	50	0	21.24	21.27	21.01						
20	HQAM	50	24	21.06	21.65	21.28						
20	HQAM	50	50	21.13	21.24	21.01	22	1.8				
20	HQAM	100	0	21.21	21.10	21.10						
20	84QAM	1	0	21.27	21.25	21.04						
20	84QAM	1	49	21.23	21.07	21.12						
20	84QAM	1	99	21.07	21.00	21.04	22	1.8				
20	84QAM	50	0	20.29	20.14	20.15						
20	84QAM	50	24	20.12	20.13	20.15						
20	84QAM	50	50	20.14	20.05	20.21						
20	84QAM	100	0	19.93	20.03	20.04	21	2.8				
20	256QAM	1	0	18.07	18.22	18.25						
20	256QAM	1	49	18.07	18.19	18.11						
20	256QAM	1	99	18.04	18.14	18.19						
20	256QAM	50	0	18.22	18.27	18.16	19	4.8				
20	256QAM	50	24	18.17	18.24	18.10						
20	256QAM	50	50	18.12	18.05	18.28						
20	256QAM	100	0	18.10	18.04	18.03						
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.83	22.75	22.73	23.8	0				
15	QPSK	1	47	22.74	22.79	22.84						
15	QPSK	1	74	22.81	22.82	22.84						
15	QPSK	36	0	22.02	22.39	22.15						
15	QPSK	36	20	21.92	22.02	22.11	23	0.8				
15	QPSK	36	49	21.92	22.02	22.08						
15	QPSK	75	0	21.92	22.10	21.81						
15	HQAM	1	0	21.04	22.18	22.08						
15	HQAM	1	47	22.11	21.94	22.02	23	0.8				
15	HQAM	1	74	21.87	22.01	22.01						
15	HQAM	36	0	21.25	21.15	21.00						
15	HQAM	36	20	21.00	20.96	21.08						
15	HQAM	36	49	21.08	21.26	20.86	22	1.8				
15	HQAM	75	0	20.86	21.07	20.99						
15	HQAM	1	0	21.07	21.15	21.05						
15	HQAM	1	27	21.07	21.09	20.95						
15	HQAM	1	74	20.96	21.06	20.90	22	1.8				
15	HQAM	36	0	20.14	20.90	20.88						
15	84QAM	36	20	18.93	19.59	20.11						
15	84QAM	36	49	19.02	19.00	19.02						
15	84QAM	75	0	19.77	20.00	19.95	19	2.8				
15	256QAM	1	0	18.07	18.19	18.07						
15	256QAM	1	47	18.08	18.13	18.10						
15	256QAM	1	74	18.02	18.02	17.99						
15	256QAM	36	0	18.21	18.27	17.98	19	4.8				
15	256QAM	36	20	18.18	18.20	17.89						
15	256QAM	36	49	18.00	17.98	18.20						
15	256QAM	75	0	18.01	17.89	17.86						
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.84	22.80	22.80	23.8	0				
10	QPSK	1	25	22.77	22.71	22.77						
10	QPSK	1	49	22.76	22.84	22.78						
10	QPSK	25	0	21.91	22.05	22.18						
10	QPSK	25	12	22.12	21.95	22.26	23	0.8				
10	QPSK	25	25	21.84	22.04	22.02						
10	QPSK	50	0	22.15	22.21	21.96						
10	HQAM	1	0	22.03	22.14	22.08						
10	HQAM	1	25	21.80	22.05	22.01	23	0.8				
10	HQAM	1	49	21.81	22.00	22.14						
10	HQAM	25	0	21.10	21.26	21.00						
10	HQAM	25	12	20.90	20.97	21.16						
10	HQAM	25	25	21.06	21.10	20.98	22	1.8				
10	HQAM	50	0	20.99	21.02	21.13						
10	HQAM	1	25	21.09	20.95	21.11						
10	84QAM	1	49	20.93	20.91	20.84						
10	HQAM	25	0	20.26	20.00	20.08	22	1.8				
10	84QAM	25	12	20.00	20.08	20.00						
10	84QAM	25	25	20.14	20.07	20.15						
10	84QAM	50	0	19.88	19.93	19.87						
10	256QAM	1	0	17.90	18.17	18.25	19	4.8				
10	256QAM	1	25	18.09	18.15	18.10						
10	256QAM	1	49	17.91	18.05	17.92						
10	256QAM	25	0	18.21	18.28	18.07						
10	256QAM	25	12	17.99	18.17	18.09	19	4.8				
10	256QAM	25	25	18.02	17.92	18.17						
10	256QAM	50	0	18.07	17.90	18.01						
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.83	22.93	22.92	23.8	0				
5	QPSK	1	12	22.88	22.87	22.90						
5	QPSK	1	24	22.73	22.79	22.87						
5	QPSK	12	0	22.03	22.21	22.07						
5	QPSK	12	7	21.89	21.90	22.19	23	0.8				
5	QPSK	12	13	21.84	22.18	22.12						
5	QPSK	25	0	22.09	22.14	21.61						
5	HQAM	1	0	21.87	22.12	21.96						
5	HQAM	1	12	21.91	21.84	22.08	23	0.8				
5	HQAM	1	24	21.06	22.10	22.02						
5	HQAM	12	0	21.08	21.09	21.04						
5	HQAM	12	7	20.89	20.92	21.27						
5	HQAM	12	13	20.95	21.71	20.90	22	1.8				
5	HQAM	25	0	21.11	21.00	21.17						
5	HQAM	1	0	21.09	21.25	20.99						
5	HQAM	1	12	21.09	20.94	21.02						
5	84QAM	1	24	20.89	20.99	20.83	21	2.8				
5	HQAM	12	0	20.11	19.92	19.94						
5	HQAM	12	7	20.14	19.95	20.07						
5	HQAM	12	13	19.99	20.02	20.21						
5	HQAM	25	0	19.93	19.95	20.03	19	4.8				
5	256QAM	1	0	17.91	18.05	18.04						
5	256QAM	1	12	17.99	18.10	18.11						
5	256QAM	1	24	18.04	18.01	17.93						
5	256QAM	12	0	18.11	18.06	18.05						
5	256QAM	12	7	18.04	18.13	18.04	19	4.8				
5	256QAM	12	13	18.03	17.92	18.18						
5	256QAM	25	0	18.00	17.97	18.00						

Band 38 HPUE Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up Int. (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	24.64	24.55	24.60	25.4	0	
20	QPSK	1	49	24.60	24.42	24.43			
20	QPSK	1	99	24.62	24.44	24.63			
20	QPSK	50	0	24.50	24.63	24.42			
20	QPSK	50	24	24.53	24.62	24.66	25.4	0	
20	QPSK	50	49	24.60	24.54	24.52			
20	QPSK	100	0	24.50	24.55	24.53			
20	16QAM	1	0	24.43	24.43	24.41	25.4	0	
20	16QAM	1	49	24.43	24.43	24.43			
20	16QAM	1	99	24.47	24.57	24.52			
20	16QAM	50	0	23.77	23.70	23.67			
20	16QAM	50	24	23.80	23.68	23.68	25	0.4	
20	16QAM	50	50	23.63	23.50	23.60			
20	16QAM	100	0	23.76	23.69	23.72			
20	16QAM	100	24	23.80	23.68	23.68	25	0.4	
20	16QAM	100	50	23.68	23.55	23.55			
20	16QAM	100	99	23.72	23.76	23.73			
20	16QAM	100	0	22.77	22.70	22.67	24	1.4	
20	16QAM	100	24	22.75	22.62	22.78			
20	16QAM	100	49	22.78	22.66	22.48			
20	16QAM	100	99	22.82	22.81	22.87			
20	256QAM	1	0	20.76	20.60	20.67	22	3.4	
20	256QAM	1	49	20.69	20.57	20.65			
20	256QAM	1	99	20.60	20.55	20.84			
20	256QAM	50	0	20.58	20.72	20.72			
20	256QAM	50	24	20.70	20.73	20.71	22	3.4	
20	256QAM	50	49	20.65	20.62	20.69			
20	256QAM	100	0	20.74	20.71	20.73			
Channel									
Frequency (MHz)									
10	QPSK	1	0	24.64	24.56	24.61	25.4	0	
10	QPSK	1	37	24.39	24.30	24.43			
10	QPSK	1	74	24.62	24.42	24.51			
10	QPSK	36	0	24.35	24.48	24.48			
10	QPSK	36	20	24.55	24.50	24.58	25.4	0	
10	QPSK	36	36	24.47	24.47	24.51			
10	QPSK	75	0	24.65	24.54	24.59			
10	16QAM	1	0	24.25	24.33	24.23	25	0	
10	16QAM	1	37	24.43	24.43	24.43			
10	16QAM	1	74	24.47	24.43	24.51			
10	16QAM	36	0	23.58	23.57	23.69			
10	16QAM	36	20	23.73	23.58	23.27	25	0.4	
10	16QAM	36	36	23.54	23.30	23.43			
10	16QAM	75	0	23.70	23.64	23.64			
10	16QAM	1	0	23.73	23.05	23.05	25	0.4	
10	16QAM	1	37	23.67	23.51	23.58			
10	16QAM	1	74	23.63	23.28	23.57			
10	16QAM	36	0	22.77	22.76	22.98			
10	16QAM	36	20	22.74	22.60	22.86	24	1.4	
10	16QAM	36	36	22.73	22.64	22.43			
10	16QAM	75	0	22.75	22.48	22.48			
10	256QAM	1	0	20.69	20.63	20.72	22	3.4	
10	256QAM	1	37	20.60	20.52	20.27			
10	256QAM	1	74	20.49	20.25	20.25			
10	256QAM	36	0	20.75	20.69	20.75			
10	256QAM	36	20	20.59	20.49	20.72	22	3.4	
10	256QAM	36	39	20.46	20.43	20.70			
10	256QAM	75	0	20.74	20.59	20.71			
Channel									
Frequency (MHz)									
10	QPSK	1	0	24.61	24.50	24.54	25.4	0	
10	QPSK	1	25	24.68	24.33	24.48			
10	QPSK	1	49	24.64	24.44	24.52			
10	QPSK	25	0	24.35	24.37	24.35			
10	QPSK	25	12	24.51	24.47	24.54	25.4	0	
10	QPSK	25	25	24.47	24.47	24.47			
10	QPSK	50	0	24.58	24.47	24.57			
10	16QAM	1	0	24.33	24.28	24.30	25.4	0	
10	16QAM	1	25	24.39	24.29	24.30			
10	16QAM	1	49	24.26	24.30	24.37			
10	16QAM	25	0	23.73	23.37	23.52			
10	16QAM	25	12	23.78	23.38	23.32	25	0.4	
10	16QAM	25	25	23.52	23.39	23.71			
10	16QAM	50	0	23.58	23.46	23.45			
10	16QAM	1	0	23.73	23.36	23.35	25	0.4	
10	16QAM	1	25	23.69	23.38	23.48			
10	16QAM	1	49	23.62	23.22	23.63			
10	16QAM	25	0	22.59	22.20	22.76			
10	16QAM	25	12	22.53	22.40	22.73	24	1.4	
10	16QAM	25	25	22.48	22.43	22.38			
10	16QAM	50	0	22.77	22.21	22.47			
10	256QAM	1	0	20.64	20.59	20.79	22	3.4	
10	256QAM	1	25	20.58	20.53	20.25			
10	256QAM	1	49	20.44	20.40	20.67			
10	256QAM	25	0	20.63	20.56	20.56			
10	256QAM	25	12	20.49	20.41	20.54	22	3.4	
10	256QAM	25	25	20.51	20.22	20.35			
10	256QAM	50	0	20.70	20.52	20.61			
Channel									
Frequency (MHz)									
5	QPSK	1	0	24.60	24.54	24.56	25.4	0	
5	QPSK	1	12	24.42	24.32	24.42			
5	QPSK	1	24	24.61	24.41	24.63			
5	QPSK	12	0	24.47	24.37	24.38			
5	QPSK	12	7	24.32	24.33	24.40	25.4	0	
5	QPSK	12	14	24.43	24.34	24.41			
5	QPSK	25	0	24.51	24.48	24.41			
5	16QAM	1	0	24.29	24.38	24.19	25.4	0	
5	16QAM	1	12	24.35	24.28	24.44			
5	16QAM	1	24	24.32	24.41	24.40			
5	16QAM	12	0	23.63	23.31	23.59			
5	16QAM	12	7	23.77	23.53	23.40	25	0.4	
5	16QAM	12	13	23.49	23.34	23.57			
5	16QAM	1	0	23.71	23.38	23.54			
5	16QAM	1	12	23.64	23.45	23.33	25	0.4	
5	16QAM	1	24	23.71	23.47	23.47			
5	16QAM	12	13	22.72	22.55	22.62			
5	16QAM	12	7	22.59	22.22	22.75	24	1.4	
5	16QAM	12	14	22.48	22.48	22.48			
5	16QAM	25	0	22.69	22.55	22.53			
5	256QAM	1	0	20.71	20.53	20.63	22	3.4	
5	256QAM	1	12	20.44	20.47	20.70			
5	256QAM	1	24	20.55	20.44	20.72			
5	256QAM	12	0	20.67	20.67	20.67			
5	256QAM	12	7	20.54	20.74	20.75	22	3.4	
5	256QAM	12	13	20.68	20.20	20.41			
5	256QAM	25	0	20.74	20.59	20.61			

Band 41 Ant0															
RW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Turn-up test (dBm)	MFR (dB)
Channel															
39870 40185 40600 41055 41480															
20	QPSK	1	0	22.73	22.80	22.87	22.83	22.81	22.81	22.83	22.81	22.83	22.81	23.8	0
20	QPSK	1	40	22.66	22.69	22.93	22.73	22.73	22.61	22.73	22.61	22.73	22.61		
20	QPSK	1	80	22.70	22.81	22.93	22.86	22.86	22.83	22.86	22.83	22.86	22.83		
20	QPSK	50	0	21.99	21.95	22.13	22.02	22.02	22.05	22.02	22.05	22.02	22.05		
20	QPSK	50	24	21.82	21.90	22.05	22.05	22.05	21.85	22.05	21.85	22.05	21.85	23	0.8
20	QPSK	50	48	21.82	21.90	22.05	22.05	22.05	21.85	22.05	21.85	22.05	21.85		
20	QPSK	100	0	22.02	21.95	22.19	22.12	22.12	22.12	22.12	22.12	22.12	22.12		
20	16QAM	1	0	21.92	21.89	22.11	22.09	22.06	22.06	22.06	22.06	22.06	22.06		
20	16QAM	1	40	21.85	21.79	22.22	22.05	22.05	21.90	22.05	21.90	22.05	21.90	23	0.8
20	16QAM	1	80	21.85	21.90	22.01	21.75	21.75	21.89	21.75	21.89	21.75	21.89		
20	16QAM	50	0	20.93	21.02	21.17	21.03	20.94	20.94	21.03	20.94	21.03	20.94		
20	16QAM	50	24	20.74	20.81	21.16	20.96	20.96	20.84	20.96	20.84	20.96	20.84		
20	16QAM	50	50	20.97	21.12	21.21	20.96	20.94	20.94	21.03	20.94	21.03	20.94	22	1.8
20	16QAM	100	0	20.92	21.02	21.20	21.14	21.14	21.03	21.03	21.14	21.03	21.14		
20	16QAM	100	1	20.74	21.02	21.12	21.17	21.03	20.94	21.03	20.94	21.03	20.94		
20	16QAM	1	40	20.87	20.90	21.02	20.92	20.84	20.84	20.92	20.84	20.92	20.84		
20	16QAM	1	80	20.75	21.05	21.06	20.73	20.73	20.73	20.73	20.73	20.73	20.73	21	2.8
20	16QAM	50	0	19.85	20.20	20.08	20.03	20.07	20.07	20.07	20.07	20.07	20.07		
20	16QAM	50	24	19.83	20.03	20.27	20.14	20.07	20.07	20.07	20.07	20.07	20.07		
20	16QAM	50	50	19.93	19.80	20.00	19.85	19.77	19.77	19.85	19.77	19.85	19.77		
20	16QAM	100	0	19.89	20.00	20.06	19.88	19.84	19.84	19.88	19.84	19.88	19.84	19	4.8
20	256QAM	1	0	17.87	18.03	18.19	18.05	18.04	18.04	18.05	18.04	18.05	18.04		
20	256QAM	1	40	17.89	17.91	18.12	17.89	17.87	17.87	17.89	17.87	17.89	17.87		
20	256QAM	1	80	17.80	18.13	18.12	17.67	17.59	17.59	17.67	17.59	17.67	17.59		
20	256QAM	50	0	17.83	17.88	18.14	18.07	17.88	17.88	18.07	17.88	18.07	17.88	19	4.8
20	256QAM	50	24	17.03	17.88	18.28	18.06	17.96	17.96	18.06	17.96	18.06	17.96		
20	256QAM	50	50	17.03	17.83	18.06	17.85	17.85	17.85	17.85	17.85	17.85	17.85		
20	256QAM	100	0	17.73	18.14	17.75	17.75	17.75	17.75	17.75	17.75	17.75	17.75		
Channel															
39870 40173 40600 41055 41515															
39870 40173 40600 41055 41515															
16	QPSK	1	0	22.74	22.77	22.83	22.73	22.83	22.83	22.73	22.83	22.73	22.83	23.80	0
16	QPSK	1	37	22.62	22.64	22.78	22.64	22.68	22.68	22.68	22.68	22.68	22.68		
16	QPSK	1	74	22.06	22.66	22.80	22.64	22.67	22.67	22.67	22.67	22.67	22.67		
16	QPSK	36	0	22.01	21.76	22.12	21.63	21.69	21.69	21.63	21.69	21.63	21.69		
16	QPSK	36	20	21.75	21.76	22.05	21.96	21.81	21.81	21.96	21.81	21.96	21.81	23	0.8
16	QPSK	36	40	21.69	21.93	22.05	21.73	21.74	21.74	21.93	21.73	21.93	21.73		
16	QPSK	75	0	21.96	21.88	22.01	22.05	22.08	22.08	22.05	22.08	22.05	22.08		
16	16QAM	1	0	21.90	21.94	21.99	22.00	22.02	22.02	22.02	22.02	22.02	22.02		
16	16QAM	1	37	21.68	21.80	21.85	21.86	21.79	21.79	21.85	21.79	21.85	21.79	23	0.8
16	16QAM	1	74	21.61	21.73	21.95	21.82	21.85	21.85	21.82	21.85	21.82	21.85		
16	16QAM	36	0	20.82	20.93	20.96	20.88	20.88	20.88	20.88	20.88	20.88	20.88		
16	16QAM	36	20	20.83	20.95	20.99	20.87	20.87	20.87	20.87	20.87	20.87	20.87		
16	16QAM	36	39	20.98	20.96	21.01	20.95	20.94	20.94	20.95	20.94	20.95	20.94	22	1.8
16	16QAM	75	0	20.85	20.85	21.01	20.94	20.88	20.88	21.01	20.94	20.88	20.88		
16	16QAM	1	37	20.89	20.89	21.00	20.82	20.86	20.86	21.00	20.82	20.86	20.82		
16	16QAM	1	74	20.86	20.82	21.00	20.72	20.74	20.74	21.00	20.72	20.74	20.72		
16	16QAM	36	0	19.71	19.86	20.02	19.63	19.67	19.67	19.63	19.67	19.63	19.67	21	2.8
16	16QAM	36	20	19.77	19.93	20.14	20.15	19.94	19.94	20.14	19.94	20.14	19.94		
16	16QAM	36	39	19.71	19.86	20.02	19.63	19.67	19.67	19.63	19.67	19.63	19.67		
16	16QAM	75	0	19.73	19.81	20.07	19.71	19.75	19.75	20.07	19.75	20.07	19.75		
16	256QAM	1	0	17.85	17.84	18.12	17.91	18.01	18.01	17.91	18.01	17.91	18.01	19	4.8
16	256QAM	1	37	17.85	17.84	18.12	17.91	18.01	18.01	17.91	18.01	17.91	18.01		
16	256QAM	1	74	17.82	18.04	17.91	17.96	17.89	17.89	17.96	17.89	17.96	17.89		
16	256QAM	36	0	17.99	18.00	17.98	17.92	17.77	17.77	17.92	17.77	17.92	17.77		
16	256QAM	36	20	17.95	17.77	18.14	17.71	17.65	17.65	17.77	17.65	17.77	17.65	19	4.8
16	256QAM	36	39	17.92	17.77	18.14	17.71	17.65	17.65	17.77	17.65	17.77	17.65		
16	256QAM	36	74	17.87	18.04	17.84	17.83	17.67	17.67	17.83	17.67	17.83	17.67		
16	256QAM	75	0	17.74	17.69	18.11	17.66	17.72	17.72	17.69	17.72	17.69	17.72		
Channel															
39870 40173 40600 41055 41565															
39870 40173 40600 41055 41565															
16	QPSK	1	0	22.61	22.67	22.93	22.59	22.65	22.65	22.59	22.65	22.59	22.65	23.80	0
16	QPSK	1	35	22.44	22.57	22.76	22.64	22.62	22.62	22.64	22.62	22.64	22.62		
16	QPSK	1	40	22.50	22.61	22.71	22.51	22.51	22.51	22.51	22.51	22.51	22.51		
16	QPSK	12	0	21.84	21.80	22.12	22.01	22.01	22.01	22.01	22.01	22.01	22.01		
16	QPSK	25	12	21.63	21.79	21.83	22.05	21.82	21.82	22.05	21.82	22.05	21.82	23	0.8
16	QPSK	25	25	21.66	21.81	21.92	21.64	21.65	21.65	21.92	21.65	21.92	21.65		
16	QPSK	50	0	21.67	21.74	21.17	22.06	22.06	22.06	22.06	22.06	22.06	22.06		
16	16QAM	1	0	21.89	21.94	22.10	21.87	21.82	21.82	22.10	21.82	22.10	21.82		
16	16QAM	1	25	21.68	21.77	21.92	21.84	21.78	21.78	21.92	21.78	21.92	21.78	23	0.8
16	16QAM	1	40	21.69	21.81	22.06	21.96	21.88	21.88	22.06	21.88	22.06	21.88		
16	16QAM	25	0	20.80	20.94	21.02	20.96	20.80	20.80	21.02	20.96	21.02	20.80		
16	16QAM	25	10	20.79	20.73	21.05	20.77	20.73	20.73	21.05	20.73	21.05	20.73		
16	16QAM	50	0	20.75	21.00	21.00	20.89	20.83	20.83	21.00	20.83	21.00	20.83	22	1.8
16	16QAM	50	10	20.76	20.70	21.02	20.74	20.70	20.70	21.02	20.74	21.02	20.70	21	2.8
16	16QAM	1	0	20.90	21.00	21.08	21.00	20.95	20.95	21.08	21.00	21.08	20.95		
16	16QAM	1	25	20.89	20.89	21.01	20.93	20.89	20.89	21.01	20.93	21.01	20.89		
16	16QAM	1	40	20.79	20.93	21.00	20.73	20.67	20.67	21.00	20.73	21.00	20.67		
16	16QAM	25	0	19.67	19.86	19.91	19.67	19.62	19.62	19.91	19.62	19.91	19.62	21	2.8
16	16QAM	25	19	19.75	20.05	20.13	20.12	20.02	20.02	20.13	20.02	20.13	20.02		
16	16QAM	25	34	19.84	19.76	19.99	19.76	19.74	19.74	19.99	19.76	19.99	19.76		
16	16QAM	50	0	19.84	19.87	20.02	19.84	19.82	19.82	20.02	19.84	20.02	19.82		
16	256QAM	1	0	17.77	17.81	18.01	17.67	17.59	17.59	18.01	17.67	17.59	18.01	19	4.8
16	256QAM	1	26	17.75	17.69	17.95	17.78	17.82	17.82	17.95	17.78	17.95	17.82		
16	256QAM	1	49	17.73	18.14	18.00	17.90	17.91	17.91	18.00	17.90	18.00	17.91		
16	256QAM	1	73	18.03	18.03	17.86	17.86	17.74	17.74	18.03	17.86	18.03	17.86		
16	256QAM	25	12	18.04	18.02	18.06	17.98	17.91	17.91	18.06	17.98	18.06	17.91	19	4.8
16	256QAM	25	25	17.77	17.77	18.00	18.02	17.97	17.97	18.00	18.02	17.97	17.97		
16	256QAM	25	50	17.77	17.77	18.00	18.02	17.97	17.97	18.00	18.02	17.97	17.97		
16	256QAM	50	0	17.75	18.14	17.85	17.75	17.74	17.74	18.14	17.85	17.75	17.74		
Channel															
39870 40173 40600 41055 41665															
39870 40173 40600 41055 41665															
16	QPSK	1	0	22.67	22.72	22.95	22.5								

Band 5 Ant1														
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq. [2046.5]	Power Mid Ch / Freq. [2046.5]	Power High Ch / Freq. [2046.5]	Turn-up time (min)	APPR (dB)						
Channel														
Frequency (MHz)														
10	QPSK	1	0	23.33	23.33	23.35	24	0						
10	QPSK	1	25	23.18	23.28	23.20								
10	QPSK	1	49	23.07	23.21	23.16								
10	QPSK	25	0	22.12	22.28	22.18								
10	QPSK	25	12	22.19	22.26	22.17	23	1						
10	QPSK	25	25	22.18	22.22	22.14								
10	QPSK	50	0	22.11	22.19	22.11								
10	16QAM	1	0	22.08	22.12	21.99								
10	16QAM	1	25	21.98	22.06	22.00	23	1						
10	16QAM	1	49	21.88	22.00	21.94								
10	16QAM	25	0	21.10	21.23	21.10								
10	16QAM	25	12	21.19	21.27	21.19								
10	16QAM	25	25	21.10	21.22	21.12	22	2						
10	16QAM	50	0	21.13	21.24	21.21								
10	84QAM	1	0	21.12	21.17	21.07								
10	84QAM	1	25	20.95	21.05	20.90								
10	84QAM	1	49	21.18	21.23	21.13	21	3						
10	84QAM	25	0	20.15	20.20	20.07								
10	84QAM	25	12	20.07	20.13	20.01								
10	84QAM	25	25	20.12	20.18	20.05								
10	84QAM	50	0	20.11	20.15	20.02	19	5						
10	84QAM	1	25	18.10	18.18	18.05								
10	256QAM	1	25	17.97	18.06	18.01								
10	256QAM	1	49	18.08	18.13	18.03								
10	256QAM	25	0	18.07	18.10	18.02	19	5						
10	256QAM	25	12	17.99	18.07	17.94								
10	256QAM	25	25	18.07	18.12	18.06								
10	256QAM	50	0	18.00	18.14	18.03								
Channel														
Frequency (MHz)														
5	QPSK	1	0	23.26	23.31	23.26	24	0						
5	QPSK	1	12	23.05	23.17	23.06								
5	QPSK	1	24	22.95	23.12	23.02								
5	QPSK	12	0	22.01	22.18	22.10								
5	QPSK	12	7	22.08	22.12	22.06	23	1						
5	QPSK	12	13	22.06	22.10	22.07								
5	QPSK	25	0	22.09	22.19	22.05								
5	16QAM	1	0	22.01	22.06	21.88								
5	16QAM	1	12	21.84	21.97	21.85	23	1						
5	16QAM	1	24	21.69	21.90	21.80								
5	16QAM	12	0	21.05	21.09	21.05								
5	16QAM	12	7	21.12	21.20	21.08								
5	16QAM	12	13	21.06	21.13	21.06	22	2						
5	16QAM	25	0	21.08	21.16	21.14								
5	84QAM	1	0	21.05	21.12	20.99								
5	84QAM	1	25	20.86	20.98	20.86								
5	84QAM	1	24	21.10	21.12	21.02	21	3						
5	84QAM	12	0	20.07	20.17	20.00								
5	84QAM	12	7	20.05	20.09	19.95								
5	84QAM	12	13	20.01	20.05	19.95								
5	84QAM	25	0	20.07	20.03	19.90	19	5						
5	256QAM	1	0	18.01	18.05	17.92								
5	256QAM	1	12	17.88	18.02	17.84								
5	256QAM	1	24	18.03	18.08	17.93								
5	256QAM	12	0	18.02	18.06	17.87	19	5						
5	256QAM	12	7	17.96	17.92	17.84								
5	256QAM	12	13	17.97	17.88	18.03								
5	256QAM	25	0	17.97	18.10	18.05								
Channel														
Frequency (MHz)														
3	QPSK	1	0	23.21	23.24	23.22	24	0						
3	QPSK	1	8	23.03	23.13	23.12								
3	QPSK	1	14	22.94	23.11	23.06								
3	QPSK	8	0	22.08	22.17	22.08								
3	QPSK	8	4	22.09	22.20	22.11	23	1						
3	QPSK	8	7	22.07	22.15	22.09								
3	QPSK	16	0	22.06	22.08	22.00								
3	16QAM	1	0	21.97	22.07	21.93								
3	16QAM	1	8	21.85	21.98	21.85	23	1						
3	16QAM	1	14	21.17	21.34	21.24								
3	16QAM	8	0	21.01	21.10	21.07								
3	16QAM	8	4	21.05	21.12	21.13								
3	16QAM	8	7	21.06	21.11	21.06	22	2						
3	16QAM	15	0	21.00	21.10	21.12								
3	84QAM	1	0	20.98	21.06	21.00								
3	84QAM	1	8	20.88	20.93	20.79								
3	84QAM	1	14	21.09	21.15	20.99	21	3						
3	84QAM	8	0	20.03	20.17	19.99								
3	84QAM	8	4	20.03	20.06	20.02								
3	84QAM	8	7	20.09	20.10	20.00								
3	84QAM	15	0	20.02	20.01	19.96	19	5						
3	256QAM	1	0	18.01	18.11	17.84								
3	256QAM	1	8	17.90	17.99	17.83								
3	256QAM	1	14	17.92	18.04	17.86								
3	256QAM	8	0	17.97	18.11	17.83	19	5						
3	256QAM	8	4	17.86	17.98	17.81								
3	256QAM	8	7	17.96	18.01	17.91								
3	256QAM	15	0	17.91	18.01	17.86								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	23.27	23.31	23.24	24	0						
1.4	QPSK	1	3	23.03	23.22	23.17								
1.4	QPSK	1	5	22.95	23.11	23.11								
1.4	QPSK	3	0	23.08	23.18	23.07								
1.4	QPSK	3	1	23.10	23.16	23.03	23	1						
1.4	QPSK	3	3	23.07	23.12	23.04								
1.4	QPSK	8	0	22.14	22.07	22.01								
1.4	16QAM	1	0	21.92	22.07	21.84								
1.4	16QAM	1	3	21.89	21.92	21.87	23	1						
1.4	16QAM	1	5	21.81	21.91	21.88								
1.4	16QAM	3	0	22.02	22.13	22.05								
1.4	16QAM	3	1	22.07	22.13	22.06								
1.4	16QAM	3	3	21.98	22.07	22.04	22	2						
1.4	16QAM	8	0	21.00	21.13	21.08								
1.4	84QAM	1	0	21.03	21.03	21.01								
1.4	84QAM	1	3	20.88	20.98	20.89								
1.4	84QAM	1	5	21.04	21.09	21.02	22	2						
1.4	84QAM	3	0	21.09	21.07	20.96								
1.4	84QAM	3	1	20.93	21.06	21.00								
1.4	84QAM	3	3	21.01	21.12	20.91								
1.4	84QAM	6	0	20.01	20.02	19.99	21	3						
1.4	256QAM	1	0	18.05	18.04	17.88								
1.4	256QAM	1	3	17.88	17.95	17.80								
1.4	256QAM	1	5	17.97	17.99	17.85								
1.4	256QAM	3	0	17.96	18.06	17.86	19	5						
1.4	256QAM	3	1	17.89	17.92	17.85								
1.4	256QAM	3	3	17.99	18.08	18.03								
1.4	256QAM	6	0	17.94	18.02	18.03	19	5						



Band 42 FCCAnt2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up time (min)	MPR (dB)	
Channel				42190	42590	42990			
Frequency (MHz)				42190	42590	42990			
20	QPSK	1	0	23.49	23.53	23.48	24	0	
20	QPSK	1	48	23.32	23.43	23.32			
20	QPSK	1	96	23.38	23.46	23.32			
20	QPSK	50	0	22.45	22.55	22.49	23	1	
20	QPSK	50	24	22.38	22.51	22.38			
20	QPSK	50	50	22.39	22.54	22.48			
20	QPSK	100	0	22.35	22.50	22.40	23	1	
20	HQAM	1	0	22.45	22.57	22.55			
20	HQAM	1	48	22.29	22.49	22.27			
20	HQAM	50	0	22.41	22.48	22.38	22	2	
20	HQAM	50	24	21.51	21.59	21.53			
20	HQAM	50	50	21.53	21.58	21.52			
20	HQAM	100	0	21.29	21.47	21.43	22	2	
20	HQAM	1	0	21.52	21.57	21.55			
20	HQAM	1	48	21.37	21.48	21.38			
20	HQAM	50	0	20.50	20.54	20.50	21	3	
20	HQAM	50	24	20.45	20.54	20.47			
20	HQAM	50	50	20.45	20.52	20.58			
20	HQAM	100	0	20.43	20.62	20.51	19	5	
20	25GQAM	1	0	18.53	18.55	18.48			
20	25GQAM	1	48	18.36	18.45	18.29			
20	25GQAM	1	96	18.37	18.50	18.29	19	5	
20	25GQAM	50	0	18.50	18.68	18.58			
20	25GQAM	50	24	18.43	18.57	18.42			
20	25GQAM	50	50	18.44	18.65	18.50			
20	25GQAM	100	0	18.44	18.62	18.44			
Channel				43165	43540	43515	Turn-up time (min)	MPR (dB)	
Frequency (MHz)				43165	43540	43515			
Frequency (MHz)				43165	43540	43515			
15	QPSK	1	0	23.43	23.39	23.39	24	0	
15	QPSK	1	37	23.25	23.28	23.21			
15	QPSK	1	74	23.29	23.35	23.27			
15	QPSK	36	0	22.39	22.52	22.48	23	1	
15	QPSK	36	20	22.24	22.39	22.35			
15	QPSK	36	39	22.31	22.47	22.42			
15	QPSK	75	0	22.21	22.38	22.27	23	1	
15	HQAM	1	0	22.39	22.42	22.42			
15	HQAM	1	37	22.21	22.44	22.21			
15	HQAM	1	74	22.29	22.33	22.32	22	2	
15	HQAM	36	0	21.41	21.47	21.40			
15	HQAM	36	39	21.29	21.41	21.25			
15	HQAM	36	39	21.38	21.41	21.39	22	2	
15	HQAM	75	0	21.25	21.45	21.38			
15	HQAM	1	0	21.45	21.57	21.58			
15	HQAM	1	37	21.33	21.33	21.22	22	2	
15	HQAM	1	74	21.41	21.45	21.27			
15	HQAM	36	0	20.36	20.57	20.52			
15	HQAM	36	20	20.39	20.41	20.42	21	3	
15	HQAM	36	39	20.35	20.52	20.48			
15	HQAM	75	0	20.29	20.54	20.47			
15	25GQAM	1	0	18.41	18.46	18.37	19	5	
15	25GQAM	1	37	18.22	18.35	18.20			
15	25GQAM	1	74	18.34	18.48	18.25			
15	25GQAM	36	0	18.40	18.53	18.41	19	5	
15	25GQAM	36	20	18.29	18.53	18.37			
15	25GQAM	36	39	18.37	18.57	18.40			
15	25GQAM	75	0	18.34	18.54	18.36			
Channel				43140	43540	43560			
Frequency (MHz)				43140	43540	43560	Turn-up time (min)	MPR (dB)	
10	QPSK	1	0	23.40	23.48	23.34	24	0	
10	QPSK	1	25	23.18	23.39	23.22			
10	QPSK	1	49	23.34	23.41	23.21			
10	QPSK	36	0	22.39	22.45	22.35	23	1	
10	QPSK	25	12	22.33	22.57	22.35			
10	QPSK	25	25	22.38	22.40	22.38			
10	QPSK	36	0	22.28	22.40	22.28	23	1	
10	HQAM	1	0	22.37	22.64	22.44			
10	HQAM	1	25	22.20	22.42	22.12			
10	HQAM	1	49	22.14	22.34	22.29	23	1	
10	HQAM	25	0	21.43	21.51	21.44			
10	HQAM	25	12	21.30	21.42	21.25			
10	HQAM	25	25	21.29	21.44	21.44	22	2	
10	HQAM	50	0	21.33	21.41	21.28			
10	HQAM	1	0	21.48	21.65	21.48	22	2	
10	HQAM	1	25	21.29	21.57	21.23			
10	HQAM	1	49	21.40	21.55	21.52			
10	HQAM	25	0	20.45	20.49	20.55	21	3	
10	HQAM	25	12	20.31	20.40	20.42			
10	HQAM	25	25	20.40	20.59	20.48			
10	HQAM	50	0	20.34	20.58	20.47	19	5	
10	25GQAM	1	0	18.42	18.44	18.43			
10	25GQAM	1	25	18.25	18.46	18.23			
10	25GQAM	1	49	18.33	18.46	18.23	19	5	
10	25GQAM	25	0	18.45	18.57	18.51			
10	25GQAM	25	12	18.31	18.42	18.27			
10	25GQAM	25	25	18.40	18.55	18.35			
10	25GQAM	50	0	18.33	18.50	18.35			
Channel				43115	43540	43565	Turn-up time (min)	MPR (dB)	
Frequency (MHz)				43115	43540	43565			
Frequency (MHz)				43115	43540	43565			
5	QPSK	1	0	23.43	23.45	23.38	24	0	
5	QPSK	1	12	23.19	23.35	23.17			
5	QPSK	1	24	23.27	23.43	23.22			
5	QPSK	12	0	22.38	22.43	22.44	23	1	
5	QPSK	12	7	22.26	22.42	22.27			
5	QPSK	12	13	22.32	22.39	22.36			
5	QPSK	25	0	22.27	22.47	22.31	23	1	
5	HQAM	1	0	22.38	22.53	22.48			
5	HQAM	1	12	22.22	22.48	22.19			
5	HQAM	1	24	22.29	22.39	22.31	22	2	
5	HQAM	12	0	21.47	21.55	21.40			
5	HQAM	12	7	21.24	21.40	21.25			
5	HQAM	12	13	21.38	21.43	21.41	22	2	
5	HQAM	25	0	21.36	21.44	21.28			
5	HQAM	1	0	21.40	21.50	21.43			
5	HQAM	1	12	21.09	21.37	21.08	21	3	
5	HQAM	1	24	21.38	21.37	21.33			
5	HQAM	12	0	20.48	20.59	20.54			
5	HQAM	12	7	20.40	20.48	20.43	19	5	
5	HQAM	12	13	20.35	20.58	20.45			
5	HQAM	25	0	20.39	20.55	20.42			
5	25GQAM	1	0	18.44	18.40	18.38	19	5	
5	25GQAM	1	12	18.28	18.31	18.25			
5	25GQAM	1	24	18.23	18.44	18.18			
5	25GQAM	12	0	18.36	18.57	18.53	19	5	
5	25GQAM	12	7	18.33	18.43	18.29			
5	25GQAM	12	13	18.33	18.60	18.38			
5	25GQAM	25	0	18.38	18.54	18.32			

Uplink CA power

Ant 0 Full Power

CA_7C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	arget MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20850	21048	QPSK	1	99	1	0	2	0	22.91	24.00
21100	21298	QPSK	1	99	1	0	2	0	23.01	24.00
21350	21152	QPSK	1	0	1	99	2	0	22.94	24.00

Ant 0 Full Power

CA_41C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	arget 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	2	0	23.11	24.00
40185	40383	QPSK	1	99	1	0	2	0	23.17	24.00
40620	40818	QPSK	1	99	1	0	2	0	23.09	24.00
41055	41253	QPSK	1	99	1	0	2	0	23.04	24.00
41490	41292	QPSK	1	0	1	99	2	0	23.01	24.00

Ant0 Down Power For DS13

CA_7C										
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				
20850	21048	QPSK	1	99	1	0	2	0	17.55	18.70
21100	21298	QPSK	1	99	1	0	2	0	17.43	18.70
21350	21152	QPSK	1	0	1	99	2	0	17.58	18.70

Ant0 Down Power For DS16

CA_7C										
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				
20850	21048	QPSK	1	99	1	0	2	0	20.69	22.00
21100	21298	QPSK	1	99	1	0	2	0	20.74	22.00
21350	21152	QPSK	1	0	1	99	2	0	20.81	22.00

Ant0 Down Power For DS13

CA_41C										
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	2	0	19.72	20.80
40185	40383	QPSK	1	99	1	0	2	0	19.63	20.80
40620	40818	QPSK	1	99	1	0	2	0	19.66	20.80
41055	41253	QPSK	1	99	1	0	2	0	19.70	20.80
41490	41292	QPSK	1	0	1	99	2	0	19.59	20.80

Ant0 Down Power For DS16

CA_41C										
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	22.83	23.80
40185	40383	QPSK	1	99	1	0	1	0	22.91	23.80
40620	40818	QPSK	1	99	1	0	1	0	22.81	23.80
41055	41253	QPSK	1	99	1	0	1	0	22.79	23.80
41490	41292	QPSK	1	0	1	99	1	0	22.95	23.80

Dlink CA power

2CA DL

CA List	PCC									SCC					Power	
	LTE	BW	BW	UL	UL	Mod.	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA
	Band	Ant	Freq (MHz)	Freq (MHz)	Channel		RB	RB Offset		Band	(MHz)	Freq (MHz)	Channel		Tx. Power (dBm)	Tx. Power (dBm)
CA_2A-4A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2133	2175	4x4MIMO	22.85	22.96
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.85	23.07
CA_2A-5A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		22.79	22.96
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	22.94	23.08
CA_2A-7A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	22.81	22.96
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.91	23.03
CA_4A-5A	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		22.91	23.07
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 4	20M	2133	2175	4x4MIMO	22.86	23.08
CA_4A-17A	Band 4	Ant0	10M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 17	10M	740	5790		23.02	23.07
	Band 17	Ant0	10M	710	23790	QPSK	1	0		Band 4	10M	2133	2175	4x4MIMO	23.14	23.19
CA_5A-66A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 66	20M	2145	66786	4x4MIMO	22.92	23.08
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		23.06	23.11
CA_7B	Band 7	Ant0	15M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2544	3193	4x4MIMO	22.89	23.02
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2555	3298	4x4MIMO	22.98	23.03
CA_7A-7A	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2688	3425	4x4MIMO	22.93	23.03
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 28	15M	876.5	8865		22.94	23.03
CA_7A-26A	Band 7	Ant0	15M	831.5	26865	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	22.89	23.11
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 42	20M	3500	42590	4x4MIMO	22.83	23.03
CA_7A-42A	Band 42	Ant0	20M	3500	42590	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	23.36	23.53
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	22.90	23.03
CA_7A-66A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	23.09	23.11
	Band 38	Ant0	15M	2595	38000	QPSK	1	0	4x4MIMO	Band 38	15M	2610	38150	4x4MIMO	23.02	23.16
CA_38C	Band 41	Ant0	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2613	40818	4x4MIMO	23.10	23.27
CA_42A-42A	Band 42	Ant0	20M	3500	42590	QPSK	1	0	4x4MIMO	Band 42	5M	3548	43065	4x4MIMO	23.43	23.53
CA_66B	Band 66	Ant0	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2154	66879	4x4MIMO	22.88	23.11
CA_66C	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2165	66984	4x4MIMO	22.91	23.11
CA_66A-66A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2198	67311	4x4MIMO	23.02	23.11

3CA DL

3CA List	PCC									SCC1				SCC2				Power			
	LTE	BW	BW	UL	UL	Mod.	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	Power	
	Band	Ant	(MHz)	Freq. (MHz)	Channel		RB	RB Offset		Band	(MHz)	Freq. (MHz)	Channel		Band	(MHz)	Freq. (MHz)	Channel		Tx. Power (dBm)	Without CA (dBm)
	Band	Ant	(MHz)	Freq. (MHz)	Channel		RB	RB Offset		Band	(MHz)	Freq. (MHz)	Channel		Band	(MHz)	Freq. (MHz)	Channel		Tx. Power (dBm)	Without CA (dBm)
CA_2A-4A-5A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 5	10M	881.5	2525		22.75	22.96
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.91	23.07
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	23.03	23.08
CA_2A-7A-7A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	22.72	22.96
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.97	23.03
	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	22.88	22.96
CA_2A-7C	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.88	23.03
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 2	20M	2554.8	3298	4x4MIMO	22.86	23.07
CA_5A-7C	Band 4	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.84	23.03
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	22.95	23.08
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 5	10M	881.5	2525		22.82	23.03
CA_5A-7A-66A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	23.01	23.08
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 5	10M	881.5	2525		22.84	23.03
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	23.07	23.11
CA_7A-66A-66A	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	22.82	23.03
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	22.86	23.11
	CA_41D	Band 41	Ant0	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 41	20M	2632.6	41016	4x4MIMO	23.12
CA_41A-41C	Band 41	Ant0	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	5M	2687.5	41565	4x4MIMO	Band 41	20M	2675.8	41448	4x4MIMO	23.09	23.27
CA_41A-41A-41A	Band 41	Ant0	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	5M	2687.5	41565	4x4MIMO	Band 41	20M	2508	39750	4x4MIMO	23.07	23.27
CA_42D	Band 42	Ant2	20M	3460	42190	QPSK	1	0	4x4MIMO	Band 42	20M	3479.8	42388	4x4MIMO	Band 42	10M	3494.2	42532	4x4MIMO	23.46	23.53



4CA DL

Configure	PCC									SCC1					SCC2					SCC3					Power	
	LTE	BW	BW	UL	UL		UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	
	Band	Ant	(MHz)	Freq.	Channel	Mod.	RB	RB Offset		Band	(MHz)	Freq.	Channel		Band	(MHz)	Freq.	Channel		Band	(MHz)	Freq.	Channel		Tx. Power (dBm)	Tx. Power (dBm)
CA_41C_41C	Band 41	Ant0	20M	2506	39750	QPSK	1	0	4x4MIMO	Band 41	20M	2525.8	39948	4x4MIMO	Band 41	20M	2660.2	41292	4x4MIMO	Band 41	20M	2680	41490	4x4MIMO	23.12	23.27
CA_41E	Band 41	Ant0	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 41	20M	2632.6	41016	4x4MIMO	Band 41	20M	2652.4	41214	4x4MIMO	23.21	23.27
CA_41A_41D	Band 41	Ant0	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2545.6	40146	4x4MIMO	Band 41	20M	2525.8	39948	4x4MIMO	Band 41	20M	2508	39750	4x4MIMO	23.18	23.27

Full Power level/Default Power level/ Pmax Power Level for 5GNR

n7 Ant0								
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				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	23.36	23.41	23.31	24.0	0.0
40	PI/2 BPSK	1	108	23.21	23.36	23.26		
40	PI/2 BPSK	1	214	23.29	23.43	23.28		
40	PI/2 BPSK	108	0	22.76	22.85	22.79		
40	PI/2 BPSK	108	54	23.31	23.39	23.33	24.0	0.0
40	PI/2 BPSK	108	108	22.81	22.93	22.80	23.5	0.5
40	PI/2 BPSK	216	0	22.81	22.98	22.89		
40	QPSK	1	1	23.42	23.48	23.36	24.0	0.0
40	QPSK	1	108	23.33	23.44	23.30		
40	QPSK	1	214	23.25	23.40	23.25		
40	QPSK	108	0	22.28	22.37	22.31		
40	QPSK	108	54	23.33	23.39	23.26	24.0	0.0
40	QPSK	108	108	22.29	22.44	22.29	23.0	1.0
40	QPSK	216	0	22.37	22.48	22.39		
40	16QAM	1	1	22.40	22.48	22.33	23.0	1.0
40	64QAM	1	1	21.10	21.17	21.03	21.5	2.5
40	256QAM	1	1	19.15	19.29	19.21	19.5	4.5
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2565		
30	PI/2 BPSK	1	1	23.34	23.41	23.31	24.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2567.5		
25	PI/2 BPSK	1	1	23.36	23.37	23.30	24.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	23.30	23.34	23.24	24.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	23.36	23.39	23.25	24.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	23.28	23.32	23.27	24.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	23.29	23.40	23.31	24.0	0.0

n66 Ant0								
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				345000	349000	353000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	23.31	23.36	23.22	24.0	0.0
40	PI/2 BPSK	1	108	23.32	23.39	23.24		
40	PI/2 BPSK	1	214	23.35	23.40	23.34		
40	PI/2 BPSK	108	0	22.72	22.78	22.74		
40	PI/2 BPSK	108	54	23.35	23.43	23.37	24.0	0.0
40	PI/2 BPSK	108	108	22.85	22.95	22.82	23.5	0.5
40	PI/2 BPSK	216	0	22.84	22.98	22.92		
40	QPSK	1	1	23.29	23.48	23.35	24.0	0.0
40	QPSK	1	108	23.30	23.38	23.24		
40	QPSK	1	214	23.27	23.42	23.36		
40	QPSK	108	0	22.17	22.30	22.20		
40	QPSK	108	54	23.13	23.26	23.16	24.0	0.0
40	QPSK	108	108	22.32	22.41	22.34	23.0	1.0
40	QPSK	216	0	22.44	22.50	22.43		
40	16QAM	1	1	22.32	22.44	22.37	23.0	1.0
40	64QAM	1	1	20.93	21.07	20.93	21.5	2.5
40	256QAM	1	1	19.02	19.17	19.11	19.5	4.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	PI/2 BPSK	1	1	23.23	23.33	23.24	24.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	23.23	23.36	23.26	24.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.25	23.32	23.25	24.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	23.20	23.37	23.20	24.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.19	23.40	23.29	24.0	0.0

n38 Ant0								
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				518004	519000	519996	24.0	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	23.31	23.39	23.27	24.0	0.0
40	PI/2 BPSK	1	53	23.34	23.42	23.30		
40	PI/2 BPSK	1	104	23.40	23.46	23.34	23.5	0.5
40	PI/2 BPSK	50	0	22.75	22.91	22.79		
40	PI/2 BPSK	50	28	23.35	23.44	23.36	23.5	0.5
40	PI/2 BPSK	50	56	22.78	22.94	22.85		
40	PI/2 BPSK	100	0	22.80	22.89	22.79	24.0	0.0
40	QPSK	1	1	23.47	23.52	23.48		
40	QPSK	1	53	23.30	23.38	23.24	23.0	1.0
40	QPSK	1	104	23.33	23.45	23.37		
40	QPSK	50	0	22.43	22.48	22.39	23.0	1.0
40	QPSK	50	28	23.33	23.43	23.31		
40	QPSK	50	56	22.35	22.43	22.30	23.0	1.0
40	QPSK	100	0	22.38	22.48	22.38		
40	16QAM	1	1	22.51	22.65	22.60	21.5	2.5
40	64QAM	1	1	21.15	21.25	21.18		
40	256QAM	1	1	19.23	19.28	19.19	19.5	4.5
Channel				517002	519000	520998	24.0	0.0
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	23.40	23.48	23.41	24.0	0.0
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610	24.0	0.0
20	QPSK	1	1	23.42	23.43	23.34		

n41 Ant0								
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	518598	528000	24.0	0.0
Frequency (MHz)				2540.01	2592.99	2640		
100	PI/2 BPSK	1	1	23.16	23.28	23.20	23.5	0.5
100	PI/2 BPSK	1	137	23.24	23.35	23.28		
100	PI/2 BPSK	1	271	23.37	23.49	23.45	23.0	1.0
100	PI/2 BPSK	135	0	22.67	22.76	22.69		
100	PI/2 BPSK	135	69	23.24	23.32	23.26	24.0	0.0
100	PI/2 BPSK	135	138	22.80	22.86	22.79		
100	PI/2 BPSK	270	0	22.86	22.92	22.86	24.0	0.0
100	QPSK	1	1	23.27	23.35	23.30		
100	QPSK	1	137	23.25	23.33	23.17	23.0	1.0
100	QPSK	1	271	23.14	23.23	23.10		
100	QPSK	135	0	22.08	22.23	22.18	23.0	1.0
100	QPSK	135	69	23.24	23.34	23.19		
100	QPSK	135	138	22.23	22.30	22.24	23.0	1.0
100	QPSK	270	0	22.24	22.38	22.33		
100	16QAM	1	1	22.35	22.42	22.32	21.5	2.5
100	64QAM	1	1	20.92	21.06	21.00		
100	256QAM	1	1	18.98	19.09	18.94	19.5	4.5
Channel				508200	518598	528996	24.0	0.0
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	23.14	23.40	23.19	24.0	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2536.02	2592.99	2649.99	24.0	0.0
80	QPSK	1	1	23.18	23.48	23.21		
Channel				505200	518598	531996	24.0	0.0
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	23.13	23.38	23.17	24.0	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99	24.0	0.0
50	QPSK	1	1	23.12	23.43	23.17		
Channel				503202	518598	534000	24.0	0.0
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	23.21	23.41	23.25	24.0	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98	24.0	0.0
30	QPSK	1	1	23.15	23.43	23.17		
Channel				501204	518598	535998	24.0	0.0
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	23.16	23.47	23.16	24.0	0.0



n5 Ant1								
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	24.0	0.0
Frequency (MHz)				831.5	836.5	841.5		
20	PI/2 BPSK	1	1	23.50	23.75	23.89	24.0	0.0
20	PI/2 BPSK	1	53	23.61	23.70	23.61		
20	PI/2 BPSK	1	104	23.53	23.57	23.53	23.5	0.5
20	PI/2 BPSK	50	0	23.06	23.14	23.00		
20	PI/2 BPSK	50	28	23.48	23.62	23.53	24.0	0.0
20	PI/2 BPSK	50	56	23.01	23.08	22.93		
20	PI/2 BPSK	100	0	22.94	23.05	22.92	23.5	0.5
20	QPSK	1	1	23.76	23.70	23.68		
20	QPSK	1	53	23.60	23.68	23.57	24.0	0.0
20	QPSK	1	104	23.50	23.55	23.44		
20	QPSK	50	0	22.47	22.59	22.54	23.0	1.0
20	QPSK	50	28	23.52	23.64	23.58		
20	QPSK	50	56	22.43	22.52	22.40	23.0	1.0
20	QPSK	100	0	22.50	22.57	22.52		
20	16QAM	1	1	22.86	22.97	22.88	23.0	1.0
20	64QAM	1	1	21.35	21.45	21.32		
20	256QAM	1	1	19.35	19.42	19.29	21.5	2.5
Channel				166300	167300	168300	24.0	0.0
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.64	23.63	23.54	24.0	0.0
Channel				166800	167300	168800		
Frequency (MHz)				820	836.5	844	24.0	0.0
10	QPSK	1	1	23.72	23.65	23.53		
Channel				165300	167300	169300	24.0	0.0
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	23.64	23.66	23.58	24.0	0.0

n7 Ant1								
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				504000	507000	510000	24.0	0.0
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	23.23	23.35	23.23	24.0	0.0
40	PI/2 BPSK	1	108	23.16	23.31	23.24		
40	PI/2 BPSK	1	214	23.31	23.36	23.31	23.5	0.5
40	PI/2 BPSK	108	0	22.73	22.83	22.79		
40	PI/2 BPSK	108	54	23.22	23.27	23.12	24.0	0.0
40	PI/2 BPSK	108	108	22.70	22.78	22.71		
40	PI/2 BPSK	216	0	22.62	22.77	22.64	23.5	0.5
40	QPSK	1	1	23.27	23.39	23.34		
40	QPSK	1	108	23.22	23.33	23.19	24.0	0.0
40	QPSK	1	214	23.16	23.25	23.11		
40	QPSK	108	0	22.21	22.27	22.14	23.0	1.0
40	QPSK	108	54	23.24	23.29	23.22		
40	QPSK	108	108	22.23	22.28	22.21	23.0	1.0
40	QPSK	216	0	22.18	22.29	22.22		
40	16QAM	1	1	21.85	21.92	21.77	23.0	1.0
40	64QAM	1	1	20.96	21.04	20.89		
40	256QAM	1	1	18.82	18.94	18.90	19.5	4.5
Channel				503000	507000	511000	24.0	0.0
Frequency (MHz)				2515	2535	2555		
30	PI/2 BPSK	1	1	23.11	23.28	23.20	24.0	0.0
Channel				502500	507000	511500		
Frequency (MHz)				2512.5	2535	2557.5	24.0	0.0
25	PI/2 BPSK	1	1	23.19	23.24	23.23		
Channel				502000	507000	512000	24.0	0.0
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	23.12	23.31	23.28	24.0	0.0
Channel				501500	507000	512500		
Frequency (MHz)				2507.5	2535	2562.5	24.0	0.0
15	QPSK	1	1	23.18	23.33	23.20		
Channel				501000	507000	513000	24.0	0.0
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	23.14	23.23	23.25	24.0	0.0
Channel				500500	507000	513500		
Frequency (MHz)				2502.5	2535	2567.5	24.0	0.0
5	QPSK	1	1	23.12	23.29	23.23		

n66 Ant1								
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				346000	349000	352000		
Frequency (MHz)				1720	1745	1760		
40	PI/2 BPSK	1	1	23.10	23.21	23.15		
40	PI/2 BPSK	1	108	23.18	23.27	23.21	24.0	0.0
40	PI/2 BPSK	1	214	23.10	23.22	23.12		
40	PI/2 BPSK	108	0	22.59	22.74	22.60	23.5	0.5
40	PI/2 BPSK	108	54	23.14	23.23	23.19	24.0	0.0
40	PI/2 BPSK	108	108	22.78	22.83	22.70	23.5	0.5
40	PI/2 BPSK	216	0	22.68	22.78	22.63		
40	QPSK	1	1	23.19	23.31	23.23		
40	QPSK	1	108	23.15	23.23	23.07	24.0	0.0
40	QPSK	1	214	23.12	23.19	23.11		
40	QPSK	108	0	22.10	22.26	22.22	23.0	1.0
40	QPSK	108	54	23.15	23.25	23.11	24.0	0.0
40	QPSK	108	108	22.28	22.33	22.26	23.0	1.0
40	QPSK	216	0	22.20	22.28	22.22		
40	16QAM	1	1	21.67	21.82	21.76	23.0	1.0
40	64QAM	1	1	20.83	20.96	20.88	21.5	2.5
40	256QAM	1	1	18.79	18.83	18.74	19.5	4.5
Channel				345000	349000	353000	Tune-up limit	MPR
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)
30	PI/2 BPSK	1	1	23.07	23.21	23.12	24.0	0.0
Channel				344500	349000	354000	Tune-up limit	MPR
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)
20	QPSK	1	1	23.06	23.23	23.11	24.0	0.0
Channel				343500	349000	354500	Tune-up limit	MPR
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)
15	QPSK	1	1	23.10	23.26	23.09	24.0	0.0
Channel				343000	349000	355000	Tune-up limit	MPR
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)
10	QPSK	1	1	23.06	23.19	23.10	24.0	0.0
Channel				342500	349000	355500	Tune-up limit	MPR
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)
5	QPSK	1	1	23.10	23.20	23.18	24.0	0.0

Par270 n77 Ant2								
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				650000	656000	662000	24.0	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	23.29	23.41	23.37	24.0	0.0
100	PI/2 BPSK	1	137	23.24	23.39	23.26		
100	PI/2 BPSK	1	271	23.19	23.30	23.23	23.5	0.5
100	PI/2 BPSK	135	0	22.79	22.91	22.82		
100	PI/2 BPSK	135	69	23.30	23.38	23.26	24.0	0.0
100	PI/2 BPSK	135	138	22.79	22.86	22.78		
100	PI/2 BPSK	270	0	22.80	22.83	22.83	23.5	0.5
100	QPSK	1	1	23.38	23.51	23.22		
100	QPSK	1	137	23.37	23.43	23.35	24.0	0.0
100	QPSK	1	271	23.26	23.36	23.30		
100	QPSK	135	0	22.25	22.40	22.34	23.0	1.0
100	QPSK	135	69	23.27	23.41	23.28		
100	QPSK	135	138	22.25	22.30	22.15	23.0	1.0
100	QPSK	270	0	22.32	22.38	22.33		
100	16QAM	1	1	21.07	21.09	21.02	23.0	1.0
100	64QAM	1	1	21.04	20.94	21.06		
100	256QAM	1	1	19.03	18.70	19.05	21.5	4.5
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	23.29	23.38	23.07	24.0	0.0
Channel				648334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	23.29	23.35	23.08	24.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	23.24	23.41	23.17	24.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	23.34	23.37	23.06	24.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	23.26	23.34	23.14	24.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	23.32	23.38	23.09	24.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	23.23	23.31	23.11	24.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	23.29	23.33	23.11	24.0	0.0

Part27Q n77 Ant2								
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				633000		633334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495		3500.02		
100	PI/2 BPSK	1	1	23.33			24.0	0.0
100	PI/2 BPSK	1	137	23.48				
100	PI/2 BPSK	1	271	23.53			23.5	0.5
100	PI/2 BPSK	135	0	22.93				
100	PI/2 BPSK	135	69	23.50			24.0	0.0
100	PI/2 BPSK	135	138	22.97				
100	PI/2 BPSK	270	0	22.99			24.0	0.0
100	QPSK	1	1	23.56				
100	QPSK	1	137	23.51			23.0	1.0
100	QPSK	1	271	23.38				
100	QPSK	135	0	22.44			24.0	0.0
100	QPSK	135	69	23.41				
100	QPSK	135	138	22.50			23.0	1.0
100	QPSK	270	0	22.44				
100	16QAM	1	1	22.23			23.0	1.0
100	64QAM	1	1	21.08				
100	256QAM	1	1	19.01			21.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	23.41	23.48	23.48	24.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	23.48	23.43	23.38	24.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	23.41	23.40	23.41	24.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485	3500.01	3520.02		
60	QPSK	1	1	23.40	23.46	23.46	24.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	23.40	23.41	23.40	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	23.41	23.43	23.43	24.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	23.47	23.43	23.45	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	23.47	23.47	23.43	24.0	0.0

Part270 n78 Ant2								
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				650000	650000	650000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		23.46		24.0	0.0
100	PI/2 BPSK	1	137		23.42			
100	PI/2 BPSK	1	271		23.45			
100	PI/2 BPSK	135	0		23.48		24.0	0.0
100	PI/2 BPSK	135	69		23.43		24.0	0.0
100	PI/2 BPSK	135	138		23.49		24.0	0.0
100	PI/2 BPSK	270	0		23.41			
100	QPSK	1	1		23.57		24.0	0.0
100	QPSK	1	137		23.48			
100	QPSK	1	271		23.49			
100	QPSK	135	0		23.41		24.0	0.0
100	QPSK	135	69		23.47		24.0	0.0
100	QPSK	135	138		23.41		24.0	0.0
100	QPSK	270	0		23.42			
100	16QAM	1	1		23.33		24.0	0.0
100	64QAM	1	1		23.42		24.0	0.0
100	256QAM	1	1		22.29		23.0	1.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01	24.0	0.0
90	QPSK	1	1	23.37	23.30	23.37	24.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02	24.0	0.0
80	QPSK	1	1	23.38	23.29	23.27	24.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765	24.0	0.0
70	QPSK	1	1	23.43	23.21	23.40	24.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01	24.0	0.0
60	QPSK	1	1	23.36	23.21	23.28	24.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02	24.0	0.0
50	QPSK	1	1	23.26	23.35	23.36	24.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780	24.0	0.0
40	QPSK	1	1	23.28	23.48	23.22	24.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01	24.0	0.0
30	QPSK	1	1	23.46	23.47	23.39	24.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02	24.0	0.0
20	QPSK	1	1	23.38	23.32	23.31	24.0	0.0

Part270 n78 PC2 Ant2								
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				650000	650000	650000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		26.52		27.0	0.0
100	PI/2 BPSK	1	137		26.53			
100	PI/2 BPSK	1	271		26.53			
100	PI/2 BPSK	135	0		26.12		26.5	0.5
100	PI/2 BPSK	135	69		26.49		27.0	0.0
100	PI/2 BPSK	135	138		26.10		26.5	0.5
100	PI/2 BPSK	270	0		26.06			
100	QPSK	1	1		26.57		27.0	0.0
100	QPSK	1	137		26.54			
100	QPSK	1	271		26.49			
100	QPSK	135	0		25.42		26.0	1.0
100	QPSK	135	69		26.52		27.0	0.0
100	QPSK	135	138		25.53		26.0	1.0
100	QPSK	270	0		25.60			
100	16QAM	1	1		24.91		26.0	1.0
100	64QAM	1	1		24.00		24.5	2.5
100	256QAM	1	1		22.01		22.5	4.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01	27.0	0.0
90	QPSK	1	1	26.70	26.68	26.63	27.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02	27.0	0.0
80	QPSK	1	1	26.61	26.63	26.64	27.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765	27.0	0.0
70	QPSK	1	1	26.64	26.62	26.60	27.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01	27.0	0.0
60	QPSK	1	1	26.61	26.68	26.62	27.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02	27.0	0.0
50	QPSK	1	1	26.70	26.66	26.63	27.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780	27.0	0.0
40	QPSK	1	1	26.68	26.61	26.64	27.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01	27.0	0.0
30	QPSK	1	1	26.63	26.69	26.60	27.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02	27.0	0.0
20	QPSK	1	1	26.64	26.59	26.68	27.0	0.0

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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				633334				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	23.39				
100	PI/2 BPSK	1	137	23.38			24.0	0.0
100	PI/2 BPSK	1	271	23.49				
100	PI/2 BPSK	135	0	23.48			24.0	0.0
100	PI/2 BPSK	135	69	23.55			24.0	0.0
100	PI/2 BPSK	135	138	23.50				
100	PI/2 BPSK	270	0	23.46			24.0	0.0
100	QPSK	1	1	23.55				
100	QPSK	1	137	23.53			24.0	0.0
100	QPSK	1	271	23.54				
100	QPSK	135	0	23.45			24.0	0.0
100	QPSK	135	69	23.53			24.0	0.0
100	QPSK	135	138	23.47				
100	QPSK	270	0	23.51			24.0	0.0
100	16QAM	1	1	23.20			24.0	0.0
100	64QAM	1	1	23.52			24.0	0.0
100	256QAM	1	1	22.09			22.5	1.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	23.31	23.43	23.29	24.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	23.27	23.28	23.29	24.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	23.47	23.49	23.46	24.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	23.65	23.64	23.68	24.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	23.33	23.29	23.33	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	23.33	23.40	23.38	24.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	23.25	23.32	23.38	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	23.37	23.39	23.31	24.0	0.0

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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					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		26.31			
100	PI/2 BPSK	1	137		26.39			
100	PI/2 BPSK	1	271		26.24		27.0	0.0
100	PI/2 BPSK	135	0		26.13		26.5	0.5
100	PI/2 BPSK	135	69		26.41		27.0	0.0
100	PI/2 BPSK	135	138		26.11			
100	PI/2 BPSK	270	0		25.99		26.5	0.5
100	QPSK	1	1		26.57			
100	QPSK	1	137		26.24		27.0	0.0
100	QPSK	1	271		26.40			
100	QPSK	135	0		24.86		26.0	1.0
100	QPSK	135	69		26.24		27.0	0.0
100	QPSK	135	138		25.42		26.0	1.0
100	QPSK	270	0		25.18			
100	16QAM	1	1		24.61		26.0	1.0
100	64QAM	1	1		23.68		24.5	2.5
100	256QAM	1	1		22.11		22.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	26.42	26.38	26.38	27.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	26.48	26.54	26.52	27.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	26.43	26.34	26.35	27.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	26.48	26.44	26.55	27.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	26.48	26.52	26.40	27.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	26.44	26.49	26.38	27.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	26.54	26.37	26.52	27.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	26.45	26.38	26.47	27.0	0.0

Part270 n78 Ant4								
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				650000	650000	650000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1	23.51			24.0	0.0
100	PI/2 BPSK	1	137	23.45				
100	PI/2 BPSK	1	271	23.52				
100	PI/2 BPSK	135	0	23.06			23.5	0.5
100	PI/2 BPSK	135	69	23.56			24.0	0.0
100	PI/2 BPSK	135	138	23.14			23.5	0.5
100	PI/2 BPSK	270	0	23.15				
100	QPSK	1	1	23.58			24.0	0.0
100	QPSK	1	137	23.44				
100	QPSK	1	271	23.56				
100	QPSK	135	0	22.49			23.0	1.0
100	QPSK	135	69	23.42			24.0	0.0
100	QPSK	135	138	22.64			23.0	1.0
100	QPSK	270	0	22.63			23.0	1.0
100	16QAM	1	1	22.63			23.0	1.0
100	64QAM	1	1	21.13			21.5	2.5
100	256QAM	1	1	18.93			19.5	4.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01	24.0	0.0
90	QPSK	1	1	23.31	23.49	23.38	24.0	0.0
Channel				648334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02	24.0	0.0
80	QPSK	1	1	23.38	23.51	23.39	24.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765	24.0	0.0
70	QPSK	1	1	23.41	23.50	23.39	24.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01	24.0	0.0
60	QPSK	1	1	23.43	23.44	23.40	24.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02	24.0	0.0
50	QPSK	1	1	23.43	23.49	23.41	24.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780	24.0	0.0
40	QPSK	1	1	22.35	23.55	23.39	24.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01	24.0	0.0
30	QPSK	1	1	23.38	23.47	23.41	24.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02	24.0	0.0
20	QPSK	1	1	23.33	23.53	23.39	24.0	0.0

Part270 n78 HPUE Ant4								
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				650000	650000	650000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1	25.53			26.0	0.0
100	PI/2 BPSK	1	137	25.64				
100	PI/2 BPSK	1	271	25.53				
100	PI/2 BPSK	135	0	25.60			26.0	0.0
100	PI/2 BPSK	135	69	25.64			26.0	0.0
100	PI/2 BPSK	135	138	25.59			26.0	0.0
100	PI/2 BPSK	270	0	25.56				
100	QPSK	1	1	25.66			26.0	0.0
100	QPSK	1	137	25.51				
100	QPSK	1	271	25.48				
100	QPSK	135	0	25.60			25.0	1.0
100	QPSK	135	69	25.63			26.0	0.0
100	QPSK	135	138	25.53			25.0	1.0
100	QPSK	270	0	25.61			26.0	0.0
100	16QAM	1	1	25.59			24.5	1.5
100	64QAM	1	1	24.13			22.5	3.5
100	256QAM	1	1	22.05			22.5	3.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01	26.0	0.0
90	QPSK	1	1	25.52	25.57	25.48	26.0	0.0
Channel				648334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02	26.0	0.0
80	QPSK	1	1	25.50	25.53	25.46	26.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765	26.0	0.0
70	QPSK	1	1	25.52	25.61	25.55	26.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01	26.0	0.0
60	QPSK	1	1	25.50	25.56	25.48	26.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02	26.0	0.0
50	QPSK	1	1	25.45	25.59	25.49	26.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780	26.0	0.0
40	QPSK	1	1	25.55	26.55	25.43	26.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01	26.0	0.0
30	QPSK	1	1	25.48	25.63	25.52	26.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02	26.0	0.0
20	QPSK	1	1	25.46	25.53	25.43	26.0	0.0

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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				633334				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	23.67				
100	PI/2 BPSK	1	137	23.60			24.0	0.0
100	PI/2 BPSK	1	271	23.65				
100	PI/2 BPSK	135	0	23.17			23.5	0.5
100	PI/2 BPSK	135	69	23.66			24.0	0.0
100	PI/2 BPSK	135	138	23.31			23.5	0.5
100	PI/2 BPSK	270	0	23.23				
100	QPSK	1	1	23.68				
100	QPSK	1	137	23.63			24.0	0.0
100	QPSK	1	271	23.59				
100	QPSK	135	0	22.61			23.0	1.0
100	QPSK	135	69	23.64			24.0	0.0
100	QPSK	135	138	22.70			23.0	1.0
100	QPSK	270	0	22.69				
100	16QAM	1	1	22.56			23.0	1.0
100	64QAM	1	1	21.13			21.5	2.5
100	256QAM	1	1	19.07			19.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	23.56	23.55	23.43	24.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	23.55	23.63	23.51	24.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	23.57	23.63	23.47	24.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	23.47	23.60	23.51	24.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	23.46	23.61	23.50	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	23.56	23.63	23.49	24.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	23.56	23.64	23.53	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	23.55	23.63	23.44	24.0	0.0

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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					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		25.62			
100	PI/2 BPSK	1	137		25.65		26.0	0.0
100	PI/2 BPSK	1	271		25.53			
100	PI/2 BPSK	135	0		25.62		25.5	0.5
100	PI/2 BPSK	135	69		25.67		26.0	0.0
100	PI/2 BPSK	135	138		25.61		25.5	0.5
100	PI/2 BPSK	270	0		25.66			
100	QPSK	1	1		25.71			
100	QPSK	1	137		25.59		26.0	0.0
100	QPSK	1	271		25.52			
100	QPSK	135	0		25.66		25.0	1.0
100	QPSK	135	69		25.68		26.0	0.0
100	QPSK	135	138		25.64		25.0	1.0
100	QPSK	270	0		25.65			
100	16QAM	1	1		25.66		25.0	1.0
100	64QAM	1	1		24.15		23.5	2.5
100	256QAM	1	1		22.10		21.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	25.60	25.66	25.55	26.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	25.50	25.67	25.55	26.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	25.54	25.65	25.55	26.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	25.51	25.59	25.60	26.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	25.60	25.63	25.60	26.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	25.53	25.58	25.53	26.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	25.57	25.67	25.62	26.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	25.52	25.65	25.56	26.0	0.0

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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				650000	650000	650000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		23.40		24.0	0.0	
100	PI/2 BPSK	1	137		23.46				
100	PI/2 BPSK	1	271		23.37				
100	PI/2 BPSK	135	0		22.94		23.5	0.5	
100	PI/2 BPSK	135	69		23.44		24.0	0.0	
100	PI/2 BPSK	135	138		22.91		23.5	0.5	
100	PI/2 BPSK	270	0		22.90				
100	QPSK	1	1		23.49		24.0	0.0	
100	QPSK	1	137		23.38				
100	QPSK	1	271		23.42				
100	QPSK	135	0		22.29		23.0	1.0	
100	QPSK	135	69		23.43		24.0	0.0	
100	QPSK	135	138		22.44		23.0	1.0	
100	QPSK	270	0		22.37				
100	16QAM	1	1		22.52		23.0	1.0	
100	64QAM	1	1		21.03		21.5	2.5	
100	256QAM	1	1		18.97		19.5	4.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01	24.0	0.0	
90	QPSK	1	1		23.34	23.41	23.32	24.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02	24.0	0.0	
80	QPSK	1	1		23.31	23.44	23.30	24.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765	24.0	0.0	
70	QPSK	1	1		23.41	23.35	23.27	24.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01	24.0	0.0	
60	QPSK	1	1		23.34	23.36	23.31	24.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02	24.0	0.0	
50	QPSK	1	1		23.40	23.37	23.22	24.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	24.0	0.0	
40	QPSK	1	1		23.33	23.41	23.29	24.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01	24.0	0.0	
30	QPSK	1	1		23.38	23.45	23.31	24.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	24.0	0.0	
20	QPSK	1	1		23.37	23.39	23.31	24.0	0.0

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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				650000	650000	650000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		25.50		26.0	0.0	
100	PI/2 BPSK	1	137		25.42				
100	PI/2 BPSK	1	271		25.49				
100	PI/2 BPSK	135	0		25.45		26.0	0.0	
100	PI/2 BPSK	135	69		25.53		26.0	0.0	
100	PI/2 BPSK	135	138		25.51		26.0	0.0	
100	PI/2 BPSK	270	0		25.48				
100	QPSK	1	1		25.55		26.0	0.0	
100	QPSK	1	137		25.53				
100	QPSK	1	271		25.47				
100	QPSK	135	0		25.28		26.0	0.0	
100	QPSK	135	69		25.52		26.0	0.0	
100	QPSK	135	138		25.11		26.0	0.0	
100	QPSK	270	0		25.04				
100	16QAM	1	1		24.92		26.0	0.0	
100	64QAM	1	1		24.05		24.5	1.5	
100	256QAM	1	1		22.00		22.5	3.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01	26.0	0.0	
90	QPSK	1	1		25.37	25.42	25.26	26.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02	26.0	0.0	
80	QPSK	1	1		25.43	25.46	25.28	26.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765	26.0	0.0	
70	QPSK	1	1		25.44	25.47	25.35	26.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01	26.0	0.0	
60	QPSK	1	1		25.35	25.48	25.30	26.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02	26.0	0.0	
50	QPSK	1	1		25.34	25.43	25.36	26.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	26.0	0.0	
40	QPSK	1	1		25.42	25.46	25.26	26.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01	26.0	0.0	
30	QPSK	1	1		25.38	25.41	25.30	26.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	26.0	0.0	
20	QPSK	1	1		25.38	25.43	25.31	26.0	0.0

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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				63333.4				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	23.52				
100	PI/2 BPSK	1	137	23.54			24.0	0.0
100	PI/2 BPSK	1	271	23.42				
100	PI/2 BPSK	135	0	23.09			23.5	0.5
100	PI/2 BPSK	135	69	23.49			24.0	0.0
100	PI/2 BPSK	135	138	23.00			23.5	0.5
100	PI/2 BPSK	270	0	23.04				
100	QPSK	1	1	23.61				
100	QPSK	1	137	23.44			24.0	0.0
100	QPSK	1	271	23.48				
100	QPSK	135	0	22.38			23.0	1.0
100	QPSK	135	69	23.55			24.0	0.0
100	QPSK	135	138	22.50			23.0	1.0
100	QPSK	270	0	22.51				
100	16QAM	1	1	22.59			23.0	1.0
100	64QAM	1	1	21.20			21.5	2.5
100	256QAM	1	1	19.07			19.5	4.5
Channel				633000	63333.4	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	23.41	23.55	23.42	24.0	0.0
Channel				632668	63333.4	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	23.44	23.50	23.45	24.0	0.0
Channel				632334	63333.4	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	23.47	23.54	23.49	24.0	0.0
Channel				632000	63333.4	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	23.41	23.51	23.48	24.0	0.0
Channel				631668	63333.4	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	23.47	23.52	23.48	24.0	0.0
Channel				631334	63333.4	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	23.38	23.56	23.49	24.0	0.0
Channel				631000	63333.4	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	23.47	23.56	23.48	24.0	0.0
Channel				630668	63333.4	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	23.38	23.55	23.51	24.0	0.0

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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					63333.4			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		25.56			
100	PI/2 BPSK	1	137		25.58		26.0	0.0
100	PI/2 BPSK	1	271		25.56			
100	PI/2 BPSK	135	0		25.62		26.0	0.0
100	PI/2 BPSK	135	69		25.58		26.0	0.0
100	PI/2 BPSK	135	138		25.60		26.0	0.0
100	PI/2 BPSK	270	0		25.56			
100	QPSK	1	1		25.54			
100	QPSK	1	137		25.61		26.0	0.0
100	QPSK	1	271		25.53			
100	QPSK	135	0		25.44		26.0	0.0
100	QPSK	135	69		25.61		26.0	0.0
100	QPSK	135	138		25.27		26.0	0.0
100	QPSK	270	0		25.10			
100	16QAM	1	1		25.02		26.0	0.0
100	64QAM	1	1		24.18		24.5	1.5
100	256QAM	1	1		22.09		22.5	3.5
Channel				633000	63333.4	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	25.41	25.51	25.51	26.0	0.0
Channel				632668	63333.4	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	25.40	25.54	25.48	26.0	0.0
Channel				632334	63333.4	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	25.40	25.53	25.44	26.0	0.0
Channel				632000	63333.4	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	25.44	25.58	25.52	26.0	0.0
Channel				631668	63333.4	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	25.44	25.57	25.49	26.0	0.0
Channel				631334	63333.4	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	25.43	25.57	25.50	26.0	0.0
Channel				631000	63333.4	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	25.46	25.57	25.44	26.0	0.0
Channel				630668	63333.4	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	25.36	25.61	25.49	26.0	0.0

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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				650000	650000	650000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1	22.54			24.0	0.0
100	PI/2 BPSK	1	137	22.77				
100	PI/2 BPSK	1	271	22.66				
100	PI/2 BPSK	135	0	22.68			24.0	0.0
100	PI/2 BPSK	135	69	22.70			24.0	0.0
100	PI/2 BPSK	135	138	22.66			24.0	0.0
100	PI/2 BPSK	270	0	22.71				
100	QPSK	1	1	22.65			24.0	0.0
100	QPSK	1	137	22.74				
100	QPSK	1	271	22.69				
100	QPSK	135	0	22.74			24.0	0.0
100	QPSK	135	69	22.71			24.0	0.0
100	QPSK	135	138	22.68			24.0	0.0
100	QPSK	270	0	22.72				
100	16QAM	1	1	22.77			24.0	0.0
100	64QAM	1	1	22.58			24.0	0.0
100	256QAM	1	1	21.40			22.5	1.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	22.75	22.77	22.74	24.0	0.0
Channel				648334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	22.78	22.75	22.76	24.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	22.76	22.74	22.73	24.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	22.71	22.78	22.79	24.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	22.68	22.67	22.75	24.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	22.74	22.72	22.77	24.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	22.76	22.73	22.78	24.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	22.70	22.76	22.72	24.0	0.0

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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				650000	650000	650000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1	25.70			27.0	0.0
100	PI/2 BPSK	1	137	25.67				
100	PI/2 BPSK	1	271	25.76				
100	PI/2 BPSK	135	0	25.17			26.5	0.5
100	PI/2 BPSK	135	69	25.73			27.0	0.0
100	PI/2 BPSK	135	138	25.16			26.5	0.5
100	PI/2 BPSK	270	0	25.19				
100	QPSK	1	1	25.79			27.0	0.0
100	QPSK	1	137	25.74				
100	QPSK	1	271	25.70				
100	QPSK	135	0	24.66			26.0	1.0
100	QPSK	135	69	25.71			27.0	0.0
100	QPSK	135	138	24.69			26.0	1.0
100	QPSK	270	0	24.63				
100	16QAM	1	1	24.79			26.0	1.0
100	64QAM	1	1	23.43			24.5	2.5
100	256QAM	1	1	21.46			22.5	4.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	25.66	25.67	25.71	27.0	0.0
Channel				648334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	25.73	25.65	25.70	27.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	25.66	25.65	25.67	27.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	25.69	25.70	25.74	27.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	25.74	25.66	25.74	27.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	25.74	25.74	25.72	27.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	25.67	25.70	25.73	27.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	25.69	25.74	25.65	27.0	0.0

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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				633334				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	22.65				
100	PI/2 BPSK	1	137	22.74			24.0	0.0
100	PI/2 BPSK	1	271	22.78				
100	PI/2 BPSK	135	0	22.73			24.0	0.0
100	PI/2 BPSK	135	69	22.81			24.0	0.0
100	PI/2 BPSK	135	138	22.73			24.0	0.0
100	PI/2 BPSK	270	0	22.76				
100	QPSK	1	1	22.90				
100	QPSK	1	137	22.84			24.0	0.0
100	QPSK	1	271	22.79				
100	QPSK	135	0	22.74			24.0	0.0
100	QPSK	135	69	22.80			24.0	0.0
100	QPSK	135	138	22.73			24.0	0.0
100	QPSK	270	0	22.79				
100	16QAM	1	1	22.64			24.0	0.0
100	64QAM	1	1	22.86			24.0	0.0
100	256QAM	1	1	21.54			22.5	1.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	22.82	22.75	22.81	24.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	22.76	22.79	22.85	24.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	22.83	22.86	22.85	24.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	22.81	22.74	22.76	24.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	22.81	22.80	22.84	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	22.82	22.82	22.84	24.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	22.84	22.77	22.78	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	22.82	22.84	22.79	24.0	0.0

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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					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		25.70			
100	PI/2 BPSK	1	137		25.66		27.0	0.0
100	PI/2 BPSK	1	271		25.80			
100	PI/2 BPSK	135	0		25.25		26.5	0.5
100	PI/2 BPSK	135	69		25.77		27.0	0.0
100	PI/2 BPSK	135	138		25.21		26.5	0.5
100	PI/2 BPSK	270	0		25.28			
100	QPSK	1	1		25.81			
100	QPSK	1	137		25.65		27.0	0.0
100	QPSK	1	271		25.76			
100	QPSK	135	0		24.32		26.0	1.0
100	QPSK	135	69		25.51		27.0	0.0
100	QPSK	135	138		24.75		26.0	1.0
100	QPSK	270	0		24.58			
100	16QAM	1	1		24.30		26.0	1.0
100	64QAM	1	1		23.05		24.5	2.5
100	256QAM	1	1		21.47		22.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	25.76	25.73	25.71	27.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	25.71	25.66	25.71	27.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	25.69	25.72	25.68	27.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	25.73	25.66	25.72	27.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	25.75	25.69	25.70	27.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	25.67	25.69	25.77	27.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	25.68	25.77	25.71	27.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	25.67	25.71	25.67	27.0	0.0

Reduced Power Mode for 5GNR DSI 2-Standalone

n7 Ant0									
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				504000	507000	510000	24.0	0.0	
Frequency (MHz)				2520	2535	2550			
40	PI/2 BPSK	1	1	23.36	23.41	23.31	24.0	0.0	
40	PI/2 BPSK	1	108	23.21	23.36	23.26			
40	PI/2 BPSK	1	214	23.29	23.43	23.28			
40	PI/2 BPSK	108	0	22.76	22.85	22.79		0.5	
40	PI/2 BPSK	108	54	23.31	23.38	23.33	24.0	0.0	
40	PI/2 BPSK	108	108	22.81	22.93	22.80	23.5	0.5	
40	PI/2 BPSK	216	0	22.81	22.96	22.89			
40	QPSK	1	1	23.42	23.48	23.36	24.0	0.0	
40	QPSK	1	108	23.33	23.44	23.30			
40	QPSK	1	214	23.25	23.40	23.25			
40	QPSK	108	0	22.28	22.37	22.31		1.0	
40	QPSK	108	54	23.33	23.39	23.26	24.0	0.0	
40	QPSK	108	108	22.29	22.44	22.29	23.0	1.0	
40	QPSK	216	0	22.37	22.46	22.39			
40	16QAM	1	1	22.40	22.48	22.33	23.0	1.0	
40	64QAM	1	1	21.10	21.17	21.03	21.5	2.5	
40	256QAM	1	1	19.15	19.29	19.21	19.5	4.5	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	PI/2 BPSK	1	1	23.34	23.41	23.31	24.0	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	PI/2 BPSK	1	1	23.36	23.37	23.30	24.0	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	23.30	23.34	23.24	24.0	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	23.36	23.39	23.25	24.0	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	23.28	23.32	23.27	24.0	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	23.29	23.40	23.31	24.0	0.0	

n66 Ant0									
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				346000	349000	352000	24.0	0.0	
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	23.31	23.36	23.22	24.0	0.0	
40	PI/2 BPSK	1	108	23.32	23.39	23.24			
40	PI/2 BPSK	1	214	23.35	23.40	23.34			
40	PI/2 BPSK	108	0	22.72	22.78	22.74		0.5	
40	PI/2 BPSK	108	54	23.35	23.43	23.37	24.0	0.0	
40	PI/2 BPSK	108	108	22.85	22.95	22.82	23.5	0.5	
40	PI/2 BPSK	216	0	22.84	22.98	22.92			
40	QPSK	1	1	23.29	23.48	23.35	24.0	0.0	
40	QPSK	1	108	23.30	23.38	23.24			
40	QPSK	1	214	23.27	23.42	23.36			
40	QPSK	108	0	22.17	22.30	22.20		1.0	
40	QPSK	108	54	23.13	23.28	23.16	24.0	0.0	
40	QPSK	108	108	22.32	22.41	22.34	23.0	1.0	
40	QPSK	216	0	22.44	22.50	22.43			
40	16QAM	1	1	22.32	22.44	22.37	23.0	1.0	
40	64QAM	1	1	20.93	21.07	20.93	21.5	2.5	
40	256QAM	1	1	19.02	19.17	19.11	19.5	4.5	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	PI/2 BPSK	1	1	23.23	23.33	23.24	24.0	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	23.23	23.36	23.26	24.0	0.0	
Channel				343000	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	23.25	23.32	23.26	24.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	23.20	23.37	23.20	24.0	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	23.19	23.40	23.29	24.0	0.0	

n38 Ant0									
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				518004	519000	519996	24.0	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	23.31	23.39	23.27	24.0	0.0	
40	PI/2 BPSK	1	53	23.34	23.42	23.30			
40	PI/2 BPSK	1	104	23.40	23.46	23.34			
40	PI/2 BPSK	50	0	22.75	22.91	22.79		0.5	
40	PI/2 BPSK	50	28	23.35	23.44	23.36	24.0	0.0	
40	PI/2 BPSK	50	56	22.78	22.94	22.85	23.5	0.5	
40	PI/2 BPSK	100	0	22.80	22.89	22.79			
40	QPSK	1	1	23.47	23.52	23.48	24.0	0.0	
40	QPSK	1	53	23.30	23.38	23.24			
40	QPSK	1	104	23.33	23.45	23.37			
40	QPSK	50	0	22.43	22.48	22.39		1.0	
40	QPSK	50	28	23.33	23.43	23.31	24.0	0.0	
40	QPSK	50	56	22.35	22.43	22.30	23.0	1.0	
40	QPSK	100	0	22.38	22.48	22.38			
40	16QAM	1	1	22.51	22.65	22.60	23.0	1.0	
40	64QAM	1	1	21.15	21.25	21.18	21.5	2.5	
40	256QAM	1	1	19.23	19.28	19.19	19.5	4.5	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99	24.0	0.0	
30	QPSK	1	1	23.40	23.48	23.41			
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610	24.0	0.0	
20	QPSK	1	1	23.42	23.43	23.34			

n41 Ant0									
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	518598	528000	24.0	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	23.16	23.28	23.20	24.0	0.0	
100	PI/2 BPSK	1	137	23.24	23.35	23.26			
100	PI/2 BPSK	1	271	23.37	23.49	23.45			
100	PI/2 BPSK	135	0	22.67	22.76	22.69		0.5	
100	PI/2 BPSK	135	69	23.24	23.32	23.26	24.0	0.0	
100	PI/2 BPSK	135	138	22.80	22.86	22.79	23.5	0.5	
100	PI/2 BPSK	270	0	22.86	22.92	22.86			
100	QPSK	1	1	23.27	23.55	23.30	24.0	0.0	
100	QPSK	1	137	23.26	23.33	23.17			
100	QPSK	1	271	23.14	23.23	23.10			
100	QPSK	135	0	22.08	22.23	22.18		1.0	
100	QPSK	135	69	23.24	23.34	23.19	24.0	0.0	
100	QPSK	135	138	22.23	22.30	22.24	23.0	1.0	
100	QPSK	270	0	22.24	22.38	22.33			
100	16QAM	1	1	22.35	22.42	22.32	23.0	1.0	
100	64QAM	1	1	20.92	21.06	21.00	21.5	2.5	
100	256QAM	1	1	18.98	19.09	18.94	19.5	4.5	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	24.0	0.0	
90	QPSK	1	1	23.14	23.40	23.19			
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99	24.0	0.0	
80	QPSK	1	1	23.18	23.48	23.21			
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98	24.0	0.0	
60	QPSK	1	1	23.13	23.38	23.17			
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99	24.0	0.0	
50	QPSK	1	1	23.12	23.43	23.17			
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	24.0	0.0	
40	QPSK	1	1	23.21	23.41	23.25			
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	24.0	0.0	
30	QPSK	1	1	23.15	23.43	23.17			
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	24.0	0.0	
20	QPSK	1	1	23.16	23.47	23.18			

n5 Ant1									
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	22.2	0.0	
Frequency (MHz)				834	836.5	839			
20	PI/2 BPSK	1	1	21.32	21.23	21.28	22.2	0.0	
20	PI/2 BPSK	1	53	21.02	21.01	20.99			
20	PI/2 BPSK	1	104	21.00	20.87	20.74	22.2	0.0	
20	PI/2 BPSK	50	0	21.11	21.21	21.18			
20	PI/2 BPSK	50	28	21.37	21.23	21.32	22.2	0.0	
20	PI/2 BPSK	50	56	21.23	21.18	21.31			
20	PI/2 BPSK	100	0	21.13	21.12	21.22	22.2	0.0	
20	QPSK	1	1	21.30	21.42	21.24			
20	QPSK	1	53	21.03	21.08	20.95	22.2	0.0	
20	QPSK	1	104	21.11	21.00	21.01			
20	QPSK	50	0	21.29	21.27	21.34	22.2	0.0	
20	QPSK	50	28	21.04	21.33	21.08			
20	QPSK	50	56	21.22	21.22	21.14	22.2	0.0	
20	QPSK	100	0	21.13	21.28	21.17			
20	16QAM	1	1	21.32	21.26	21.25	22.2	0.0	
20	64QAM	1	1	20.83	21.03	21.00			
20	256QAM	1	1	19.03	19.08	18.75	19.5	2.7	
Channel				166300	167300	168300	22.2	0.0	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	21.08	21.36	21.12	22.2	0.0	
Channel				165800	167300	168800			
Frequency (MHz)				829	836.5	844	22.2	0.0	
10	QPSK	1	1	21.29	21.35	21.20			
Channel				165300	167300	169300	22.2	0.0	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	21.31	21.32	21.01	22.2	0.0	

n7 Ant1									
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				504000	507000	510000	17.3	0.0	
Frequency (MHz)				2520	2535	2550			
40	PI/2 BPSK	1	1	16.31	16.33	16.33	17.3	0.0	
40	PI/2 BPSK	1	108	16.38	16.40	16.47			
40	PI/2 BPSK	1	214	16.22	16.46	16.28	17.3	0.0	
40	PI/2 BPSK	108	0	16.37	16.31	16.40			
40	PI/2 BPSK	108	54	16.48	16.47	16.34	17.3	0.0	
40	PI/2 BPSK	108	108	16.32	16.48	16.42			
40	PI/2 BPSK	216	0	16.47	16.45	16.41	17.3	0.0	
40	QPSK	1	1	16.48	16.55	16.49			
40	QPSK	1	108	16.53	16.45	15.38	17.3	0.0	
40	QPSK	1	214	16.36	16.48	16.28			
40	QPSK	108	0	16.39	16.36	16.37	17.3	0.0	
40	QPSK	108	54	16.27	16.41	16.39			
40	QPSK	108	108	16.24	16.25	16.30	17.3	0.0	
40	QPSK	216	0	16.38	16.48	16.40			
40	16QAM	1	1	16.24	16.39	16.46	17.3	0.0	
40	64QAM	1	1	16.25	16.23	16.27			
40	256QAM	1	1	16.18	16.26	16.45	17.3	0.0	
Channel				503000	507000	511000			
Frequency (MHz)				2515	2535	2555	17.3	0.0	
30	PI/2 BPSK	1	1	16.31	16.35	16.45			
Channel				502500	507000	511500	17.3	0.0	
Frequency (MHz)				2512.5	2535	2557.5			
25	PI/2 BPSK	1	1	16.33	16.49	16.25	17.3	0.0	
Channel				502000	507000	512000			
Frequency (MHz)				2510	2535	2560	17.3	0.0	
20	QPSK	1	1	16.52	16.38	16.50			
Channel				501500	507000	512500	17.3	0.0	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	16.34	16.55	16.52	17.3	0.0	
Channel				501000	507000	513000			
Frequency (MHz)				2505	2535	2565	17.3	0.0	
10	QPSK	1	1	16.40	16.39	16.26			
Channel				500500	507000	513500	17.3	0.0	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	16.48	16.41	16.53	17.3	0.0	
Channel				500000	507000	514000			
Frequency (MHz)				2500	2535	2570			

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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				346000	349000	352000	18.4	0.0
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	17.28	17.17	17.11		
40	PI/2 BPSK	1	108	17.21	17.15	17.10	18.4	0.0
40	PI/2 BPSK	1	214	17.20	17.11	17.03		
40	PI/2 BPSK	108	0	17.26	17.23	17.21		
40	PI/2 BPSK	108	54	17.29	17.19	17.26	18.4	0.0
40	PI/2 BPSK	108	108	17.17	17.22	17.19		
40	PI/2 BPSK	216	0	17.30	17.18	17.14		
40	QPSK	1	1	17.33	17.38	17.25	18.4	0.0
40	QPSK	1	108	17.16	17.20	17.11		
40	QPSK	1	214	17.20	17.13	17.15		
40	QPSK	108	0	17.14	17.18	17.25	18.4	0.0
40	QPSK	108	54	17.18	17.27	17.21	18.4	0.0
40	QPSK	108	108	17.29	17.21	17.12	18.4	0.0
40	QPSK	216	0	17.19	17.24	17.16		
40	16QAM	1	1	17.22	17.22	17.18	18.4	0.0
40	64QAM	1	1	17.21	17.29	17.25	18.4	0.0
40	256QAM	1	1	17.16	17.25	17.35	18.4	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765	18.4	0.0
30	PI/2 BPSK	1	1	17.17	17.32	17.29		
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770	18.4	0.0
20	QPSK	1	1	17.24	17.31	17.08		
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5	#REF!	0.0
15	QPSK	1	1	17.13	17.21	17.26		
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775	18.4	0.0
10	QPSK	1	1	17.25	17.37	17.28		
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5	18.4	0.0
5	QPSK	1	1	17.31	17.19	17.28		

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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				650000	656000	662000	18.0	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	17.26	17.31	17.36	18.0	0.0
100	PI/2 BPSK	1	137	17.31	17.40	17.38		
100	PI/2 BPSK	1	271	17.23	17.05	17.16		
100	PI/2 BPSK	135	0	17.43	17.21	17.19		
100	PI/2 BPSK	135	69	17.40	17.32	17.32	18.0	0.0
100	PI/2 BPSK	135	138	17.09	17.22	17.31	18.0	0.0
100	PI/2 BPSK	270	0	17.40	17.32	17.30		
100	QPSK	1	1	17.41	17.44	17.34	18.0	0.0
100	QPSK	1	137	17.28	17.23	17.22		
100	QPSK	1	271	17.05	17.13	17.23		
100	QPSK	135	0	17.10	17.26	17.16		
100	QPSK	135	69	17.23	17.38	17.33	18.0	0.0
100	QPSK	135	138	17.15	17.18	17.22	18.0	0.0
100	QPSK	270	0	17.21	17.33	17.29		
100	16QAM	1	1	17.10	17.06	17.16	18.0	0.0
100	64QAM	1	1	17.06	17.19	17.18	18.0	0.0
100	256QAM	1	1	17.02	17.05	17.10	18.0	0.0
Channel				649668	656000	662334	18.0	0.0
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	17.11	17.15	17.37	18.0	0.0
Channel				649334	656000	662668	18.0	0.0
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	17.00	17.09	17.16	18.0	0.0
Channel				649000	656000	663000	18.0	0.0
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	17.24	17.35	17.33	18.0	0.0
Channel				648668	656000	663334	18.0	0.0
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	17.13	17.24	17.35	18.0	0.0
Channel				648334	656000	663668	18.0	0.0
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	17.03	17.29	17.25	18.0	0.0
Channel				648000	656000	664000	18.0	0.0
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	17.16	17.14	17.15	18.0	0.0
Channel				647668	656000	664334	18.0	0.0
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	17.05	17.35	17.12	18.0	0.0
Channel				647334	656000	664668	18.0	0.0
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	17.01	17.14	17.27	18.0	0.0

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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				633334			18.0	0.0
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	17.40			18.0	0.0
100	PI/2 BPSK	1	137	17.39				
100	PI/2 BPSK	1	271	17.36				
100	PI/2 BPSK	135	0	17.38				
100	PI/2 BPSK	135	69	17.35			18.0	0.0
100	PI/2 BPSK	135	138	17.47			18.0	0.0
100	PI/2 BPSK	270	0	17.40				
100	QPSK	1	1	17.48			18.0	0.0
100	QPSK	1	137	17.41				
100	QPSK	1	271	17.17				
100	QPSK	135	0	17.37				
100	QPSK	135	69	17.42			18.0	0.0
100	QPSK	135	138	17.37			18.0	0.0
100	QPSK	270	0	17.36				
100	16QAM	1	1	17.36			18.0	0.0
100	64QAM	1	1	17.38			18.0	0.0
100	256QAM	1	1	17.09			18.0	0.0
Channel				633000	633334	633668	18.0	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	17.03	17.16	17.27	18.0	0.0
Channel				632668	633334	634000	18.0	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	17.25	17.33	17.09	18.0	0.0
Channel				632334	633334	634334	18.0	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	17.00	17.09	17.13	18.0	0.0
Channel				632000	633334	634668	18.0	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	17.08	17.24	17.35	18.0	0.0
Channel				631668	633334	635000	18.0	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	17.04	17.10	17.32	18.0	0.0
Channel				631334	633334	635334	18.0	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	17.00	17.20	17.16	18.0	0.0
Channel				631000	633334	635668	18.0	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	17.01	17.10	17.11	18.0	0.0
Channel				630668	633334	636000	18.0	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	17.24	17.32	17.18	18.0	0.0

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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				650000	650000	650000	18.0	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		17.61		18.0	0.0
100	PI/2 BPSK	1	137		17.60			
100	PI/2 BPSK	1	271		17.64			
100	PI/2 BPSK	135	0		17.56			
100	PI/2 BPSK	135	69		17.56		18.0	0.0
100	PI/2 BPSK	135	138		17.63		18.0	0.0
100	PI/2 BPSK	270	0		17.57			
100	QPSK	1	1		17.68		18.0	0.0
100	QPSK	1	137		17.54			
100	QPSK	1	271		17.67			
100	QPSK	135	0		17.52			
100	QPSK	135	69		17.62		18.0	0.0
100	QPSK	135	138		17.59		18.0	0.0
100	QPSK	270	0		17.57		18.0	0.0
100	16QAM	1	1		17.65			
100	64QAM	1	1		17.63			
100	256QAM	1	1		17.54			
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01	18.0	0.0
90	QPSK	1	1	17.55	17.65	17.60	18.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02	18.0	0.0
80	QPSK	1	1	17.50	17.67	17.53	18.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765	18.0	0.0
70	QPSK	1	1	17.47	17.59	17.49	18.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01	18.0	0.0
60	QPSK	1	1	17.59	17.64	17.59	18.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02	18.0	0.0
50	QPSK	1	1	17.53	17.57	17.54	18.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780	18.0	0.0
40	QPSK	1	1	17.49	17.59	17.57	18.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01	18.0	0.0
30	QPSK	1	1	17.51	17.47	17.63	18.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02	18.0	0.0
20	QPSK	1	1	17.55	17.50	17.61	18.0	0.0

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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					633334		18.0	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		17.67		18.0	0.0
100	PI/2 BPSK	1	137		17.67			
100	PI/2 BPSK	1	271		17.63			
100	PI/2 BPSK	135	0		17.59			
100	PI/2 BPSK	135	69		17.50		18.0	0.0
100	PI/2 BPSK	135	138		17.50		18.0	0.0
100	PI/2 BPSK	270	0		17.59			
100	QPSK	1	1		17.69		18.0	0.0
100	QPSK	1	137		17.56			
100	QPSK	1	271		17.56			
100	QPSK	135	0		17.66			
100	QPSK	135	69		17.67		18.0	0.0
100	QPSK	135	138		17.47		18.0	0.0
100	QPSK	270	0		17.49		18.0	0.0
100	16QAM	1	1		17.52			
100	64QAM	1	1		17.57			
100	256QAM	1	1		17.59			
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02	18.0	0.0
90	QPSK	1	1	17.64	17.67	17.51	18.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510	18.0	0.0
80	QPSK	1	1	17.68	17.68	17.58	18.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01	18.0	0.0
70	QPSK	1	1	17.65	17.65	17.52	18.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02	18.0	0.0
60	QPSK	1	1	17.60	17.67	17.47	18.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525	18.0	0.0
50	QPSK	1	1	17.53	17.66	17.56	18.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01	18.0	0.0
40	QPSK	1	1	17.51	17.65	17.47	18.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02	18.0	0.0
30	QPSK	1	1	17.59	17.58	17.61	18.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	18.0	0.0
20	QPSK	1	1	17.58	17.61	17.67	18.0	0.0

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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				650000	650000	650000	16.0	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		15.35		16.0	0.0
100	PI/2 BPSK	1	137		15.41			
100	PI/2 BPSK	1	271		15.38			
100	PI/2 BPSK	135	0		15.33			
100	PI/2 BPSK	135	69		15.47		16.0	0.0
100	PI/2 BPSK	135	138		15.43		16.0	0.0
100	PI/2 BPSK	270	0		15.37			
100	QPSK	1	1		15.54		16.0	0.0
100	QPSK	1	137		15.33			
100	QPSK	1	271		15.21			
100	QPSK	135	0		15.42		16.0	0.0
100	QPSK	135	69		15.51		16.0	0.0
100	QPSK	135	138		15.41		16.0	0.0
100	QPSK	270	0		15.49		16.0	0.0
100	16QAM	1	1		15.47			
100	64QAM	1	1		15.42			
100	256QAM	1	1		15.45			
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	15.33	15.40	15.42	16.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	15.34	15.42	15.37	16.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	15.31	15.37	15.37	16.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	15.46	15.36	15.34	16.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	15.48	15.45	15.46	16.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	15.42	15.39	15.37	16.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	15.42	15.33	15.41	16.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	15.31	15.38	15.36	16.0	0.0

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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					633334		16.0	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		15.21		16.0	0.0
100	PI/2 BPSK	1	137		15.47			
100	PI/2 BPSK	1	271		15.36			
100	PI/2 BPSK	135	0		15.49			
100	PI/2 BPSK	135	69		15.43		16.0	0.0
100	PI/2 BPSK	135	138		15.46		16.0	0.0
100	PI/2 BPSK	270	0		15.28			
100	QPSK	1	1		15.53		16.0	0.0
100	QPSK	1	137		15.32			
100	QPSK	1	271		15.19			
100	QPSK	135	0		15.30		16.0	0.0
100	QPSK	135	69		15.51		16.0	0.0
100	QPSK	135	138		15.32		16.0	0.0
100	QPSK	270	0		15.50		16.0	0.0
100	16QAM	1	1		15.33			
100	64QAM	1	1		15.39			
100	256QAM	1	1		15.42			
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	15.32	15.46	15.44	16.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	15.37	15.29	15.50	16.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	15.38	15.35	15.39	16.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	15.49	15.43	15.47	16.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	15.28	15.48	15.40	16.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	15.45	15.48	15.30	16.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	15.39	15.44	15.44	16.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	15.32	15.34	15.41	16.0	0.0

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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				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		16.85			
100	PI/2 BPSK	1	137		16.98		17.5	0.0
100	PI/2 BPSK	1	271		16.88			
100	PI/2 BPSK	135	0		16.83		17.5	0.0
100	PI/2 BPSK	135	69		16.94		17.5	0.0
100	PI/2 BPSK	135	138		16.85		17.5	0.0
100	PI/2 BPSK	270	0		16.83			
100	QPSK	1	1		17.06			
100	QPSK	1	137		16.70		17.5	0.0
100	QPSK	1	271		16.81			
100	QPSK	135	0		16.85		17.5	0.0
100	QPSK	135	69		17.02		17.5	0.0
100	QPSK	135	138		16.88		17.5	0.0
100	QPSK	270	0		17.01			
100	16QAM	1	1		16.83		17.5	0.0
100	64QAM	1	1		16.98		17.5	0.0
100	256QAM	1	1		16.96		17.5	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	16.89	17.02	16.90	17.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	16.85	16.99	16.93	17.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	16.99	16.86	16.96	17.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	16.93	16.95	16.78	17.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	16.85	16.94	16.91	17.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	16.94	16.95	16.78	17.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	17.00	16.90	16.95	17.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	16.86	16.99	17.00	17.5	0.0

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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					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		16.93			
100	PI/2 BPSK	1	137		16.89		17.5	0.0
100	PI/2 BPSK	1	271		16.92			
100	PI/2 BPSK	135	0		16.94		17.5	0.0
100	PI/2 BPSK	135	69		16.92		17.5	0.0
100	PI/2 BPSK	135	138		16.93		17.5	0.0
100	PI/2 BPSK	270	0		16.85			
100	QPSK	1	1		17.01			
100	QPSK	1	137		16.91		17.5	0.0
100	QPSK	1	271		16.77			
100	QPSK	135	0		16.92		17.5	0.0
100	QPSK	135	69		16.98		17.5	0.0
100	QPSK	135	138		16.85		17.5	0.0
100	QPSK	270	0		17.00			
100	16QAM	1	1		16.77		17.5	0.0
100	64QAM	1	1		16.93		17.5	0.0
100	256QAM	1	1		16.83		17.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	16.89	16.90	16.91	17.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510.01		
80	QPSK	1	1	16.76	16.89	16.81	17.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	16.80	16.76	16.79	17.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	16.73	16.81	16.95	17.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525.01		
50	QPSK	1	1	16.92	16.94	16.82	17.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	16.73	16.80	16.73	17.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	16.85	16.95	16.88	17.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540.01		
20	QPSK	1	1	16.94	16.79	16.74	17.5	0.0

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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				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		22.54		24.0	0.0	
100	PI/2 BPSK	1	137		22.77				
100	PI/2 BPSK	1	271		22.66				
100	PI/2 BPSK	135	0		22.68		24.0	0.0	
100	PI/2 BPSK	135	69		22.70		24.0	0.0	
100	PI/2 BPSK	135	138		22.66		24.0	0.0	
100	PI/2 BPSK	270	0		22.71				
100	QPSK	1	1		22.83		24.0	0.0	
100	QPSK	1	137		22.74				
100	QPSK	1	271		22.69				
100	QPSK	135	0		22.74		24.0	0.0	
100	QPSK	135	69		22.71		24.0	0.0	
100	QPSK	135	138		22.68		24.0	0.0	
100	QPSK	270	0		22.72				
100	16QAM	1	1		22.77		24.0	0.0	
100	64QAM	1	1		22.58		24.0	0.0	
100	256QAM	1	1		21.40		22.5	1.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		22.75	22.77	22.74	24.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		22.78	22.75	22.76	24.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		22.76	22.74	22.73	24.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		22.71	22.78	22.79	24.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		22.68	22.67	22.75	24.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		22.74	22.72	22.77	24.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		22.76	22.73	22.78	24.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		22.70	22.76	22.72	24.0	0.0

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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				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		25.70		27.0	0.0	
100	PI/2 BPSK	1	137		25.67				
100	PI/2 BPSK	1	271		25.76				
100	PI/2 BPSK	135	0		25.17		26.5	0.5	
100	PI/2 BPSK	135	69		25.73		27.0	0.0	
100	PI/2 BPSK	135	138		25.16		26.5	0.5	
100	PI/2 BPSK	270	0		25.19				
100	QPSK	1	1		25.79		27.0	0.0	
100	QPSK	1	137		25.74				
100	QPSK	1	271		25.70				
100	QPSK	135	0		24.66		26.0	1.0	
100	QPSK	135	69		25.71		27.0	0.0	
100	QPSK	135	138		24.69		26.0	1.0	
100	QPSK	270	0		24.63				
100	16QAM	1	1		24.79		26.0	1.0	
100	64QAM	1	1		23.43		24.5	2.5	
100	256QAM	1	1		21.46		22.5	4.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		25.66	25.67	25.71	27.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		25.73	25.65	25.70	27.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		25.66	25.65	25.67	27.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		25.69	25.70	25.74	27.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		25.74	25.66	25.74	27.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		25.74	25.74	25.72	27.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		25.67	25.70	25.73	27.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		25.69	25.74	25.65	27.0	0.0

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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				633334				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	22.66			24.0	0.0
100	PI/2 BPSK	1	137	22.74				
100	PI/2 BPSK	1	271	22.78				
100	PI/2 BPSK	135	0	22.73				
100	PI/2 BPSK	135	69	22.81			24.0	0.0
100	PI/2 BPSK	135	138	22.73			24.0	0.0
100	PI/2 BPSK	270	0	22.76				
100	QPSK	1	1	22.90			24.0	0.0
100	QPSK	1	137	22.84				
100	QPSK	1	271	22.79				
100	QPSK	135	0	22.74				
100	QPSK	135	69	22.80			24.0	0.0
100	QPSK	135	138	22.73			24.0	0.0
100	QPSK	270	0	22.79				
100	16QAM	1	1	22.64			24.0	0.0
100	64QAM	1	1	22.86			24.0	0.0
100	256QAM	1	1	21.54			22.5	1.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	22.82	22.75	22.81	24.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	22.76	22.79	22.85	24.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	22.83	22.86	22.85	24.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	22.81	22.74	22.76	24.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	22.81	22.80	22.84	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	22.82	22.82	22.84	24.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	22.84	22.77	22.78	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	22.82	22.84	22.79	24.0	0.0

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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				633334				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	25.70			27.0	0.0
100	PI/2 BPSK	1	137	25.66				
100	PI/2 BPSK	1	271	25.80				
100	PI/2 BPSK	135	0	25.25				
100	PI/2 BPSK	135	69	25.77			27.0	0.0
100	PI/2 BPSK	135	138	25.21			26.5	0.5
100	PI/2 BPSK	270	0	25.28				
100	QPSK	1	1	25.81			27.0	0.0
100	QPSK	1	137	25.65				
100	QPSK	1	271	25.76				
100	QPSK	135	0	24.32				
100	QPSK	135	69	25.51			27.0	0.0
100	QPSK	135	138	24.75			26.0	1.0
100	QPSK	270	0	24.58				
100	16QAM	1	1	24.30			26.0	1.0
100	64QAM	1	1	23.05			24.5	2.5
100	256QAM	1	1	21.47			22.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	25.76	25.73	25.71	27.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	25.71	25.66	25.71	27.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	25.69	25.72	25.68	27.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	25.73	25.66	25.72	27.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	25.75	25.69	25.70	27.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	25.67	25.69	25.77	27.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	25.68	25.77	25.71	27.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	25.67	25.71	25.67	27.0	0.0

Reduced Power Mode for 5GNR DSI 2-Simultaneous

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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				504000	507000	510000	24.0	0.0	
Frequency (MHz)				2520	2535	2550			
40	PI/2 BPSK	1	1	23.36	23.41	23.31	24.0	0.0	
40	PI/2 BPSK	1	108	23.21	23.36	23.26			
40	PI/2 BPSK	1	214	23.29	23.43	23.28			
40	PI/2 BPSK	108	0	22.76	22.85	22.79			
40	PI/2 BPSK	108	54	23.31	23.38	23.33	24.0	0.0	
40	PI/2 BPSK	108	108	22.81	22.93	22.80	23.5	0.5	
40	PI/2 BPSK	216	0	22.81	22.96	22.89			
40	QPSK	1	1	23.42	23.48	23.36	24.0	0.0	
40	QPSK	1	108	23.33	23.44	23.30			
40	QPSK	1	214	23.25	23.40	23.25			
40	QPSK	108	0	22.28	22.37	22.31		1.0	
40	QPSK	108	54	23.33	23.39	23.26	24.0	0.0	
40	QPSK	108	108	22.29	22.44	22.29	23.0	1.0	
40	QPSK	216	0	22.37	22.46	22.39			
40	16QAM	1	1	22.40	22.48	22.33	23.0	1.0	
40	64QAM	1	1	21.10	21.17	21.03	21.5	2.5	
40	256QAM	1	1	19.15	19.29	19.21	19.5	4.5	
Channel				503000	507000	511000	24.0	0.0	
Frequency (MHz)				2515	2535	2555			
30	PI/2 BPSK	1	1	23.34	23.41	23.31	24.0	0.0	
Channel				502500	507000	511500	24.0	0.0	
Frequency (MHz)				2512.5	2535	2557.5			
25	PI/2 BPSK	1	1	23.36	23.37	23.30	24.0	0.0	
Channel				502000	507000	512000	24.0	0.0	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	23.30	23.34	23.24	24.0	0.0	
Channel				501500	507000	512500	24.0	0.0	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	23.36	23.39	23.25	24.0	0.0	
Channel				501000	507000	513000	24.0	0.0	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	23.28	23.32	23.27	24.0	0.0	
Channel				500500	507000	513500	24.0	0.0	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	23.29	23.40	23.31	24.0	0.0	

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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				348000	349000	352000	24.0	0.0	
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	23.31	23.36	23.22	24.0	0.0	
40	PI/2 BPSK	1	108	23.32	23.39	23.24			
40	PI/2 BPSK	1	214	23.35	23.40	23.34			
40	PI/2 BPSK	108	0	22.72	22.78	22.74		0.5	
40	PI/2 BPSK	108	54	23.35	23.43	23.37	24.0	0.0	
40	PI/2 BPSK	108	108	22.85	22.95	22.82	23.5	0.5	
40	PI/2 BPSK	216	0	22.84	22.98	22.92			
40	QPSK	1	1	23.29	23.48	23.35	24.0	0.0	
40	QPSK	1	108	23.30	23.38	23.24			
40	QPSK	1	214	23.27	23.42	23.36			
40	QPSK	108	0	22.17	22.30	22.20		1.0	
40	QPSK	108	54	23.13	23.28	23.16	24.0	0.0	
40	QPSK	108	108	22.32	22.41	22.34	23.0	1.0	
40	QPSK	216	0	22.44	22.50	22.43			
40	16QAM	1	1	22.32	22.44	22.37	23.0	1.0	
40	64QAM	1	1	20.93	21.07	20.93	21.5	2.5	
40	256QAM	1	1	19.02	19.17	19.11	19.5	4.5	
Channel				345000	349000	353000	24.0	0.0	
Frequency (MHz)				1725	1745	1765			
30	PI/2 BPSK	1	1	23.23	23.33	23.24	24.0	0.0	
Channel				344000	349000	354000	24.0	0.0	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	23.23	23.36	23.26	24.0	0.0	
Channel				343500	349000	354500	24.0	0.0	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	23.25	23.32	23.26	24.0	0.0	
Channel				343000	349000	355000	24.0	0.0	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	23.20	23.37	23.20	24.0	0.0	
Channel				342500	349000	355500	24.0	0.0	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	23.19	23.40	23.29	24.0	0.0	

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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				518004	519000	519996	24.0	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	23.31	23.39	23.27	24.0	0.0
40	PI/2 BPSK	1	53	23.34	23.42	23.30		
40	PI/2 BPSK	1	104	23.40	23.46	23.34	23.5	0.5
40	PI/2 BPSK	50	0	22.75	22.91	22.79		
40	PI/2 BPSK	50	28	23.35	23.44	23.36	24.0	0.0
40	PI/2 BPSK	50	56	22.78	22.94	22.85		
40	PI/2 BPSK	100	0	22.80	22.89	22.79	23.5	0.5
40	QPSK	1	1	23.47	23.52	23.48		
40	QPSK	1	53	23.30	23.38	23.24	24.0	0.0
40	QPSK	1	104	23.33	23.45	23.37		
40	QPSK	50	0	22.43	22.48	22.39	23.0	1.0
40	QPSK	50	28	23.33	23.43	23.31		
40	QPSK	50	56	22.35	22.43	22.30	23.0	1.0
40	QPSK	100	0	22.38	22.48	22.38		
40	16QAM	1	1	22.51	22.65	22.60	23.0	1.0
40	64QAM	1	1	21.15	21.25	21.18		
40	256QAM	1	1	19.23	19.28	19.19	19.5	4.5
Channel				517002	519000	520998		
Frequency (MHz)				2585.01	2595	2604.99	24.0	0.0
30	QPSK	1	1	23.40	23.48	23.41		
Channel				516000	519000	522000	24.0	0.0
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	23.42	23.43	23.34	24.0	0.0

n41 Ant0

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	518598	528000	24.0	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	23.16	23.28	23.20	24.0	0.0
100	PI/2 BPSK	1	137	23.24	23.35	23.26		
100	PI/2 BPSK	1	271	23.37	23.49	23.45	23.5	0.5
100	PI/2 BPSK	135	0	22.67	22.76	22.69		
100	PI/2 BPSK	135	69	23.24	23.32	23.26	24.0	0.0
100	PI/2 BPSK	135	138	22.80	22.86	22.79		
100	PI/2 BPSK	270	0	22.86	22.92	22.86	23.5	0.5
100	QPSK	1	1	23.27	23.55	23.30		
100	QPSK	1	137	23.26	23.33	23.17	24.0	0.0
100	QPSK	1	271	23.14	23.23	23.10		
100	QPSK	135	0	22.08	22.23	22.18	23.0	1.0
100	QPSK	135	69	23.24	23.34	23.19		
100	QPSK	135	138	22.23	22.30	22.24	23.0	1.0
100	QPSK	270	0	22.24	22.38	22.33		
100	16QAM	1	1	22.35	22.42	22.32	23.0	1.0
100	64QAM	1	1	20.92	21.06	21.00		
100	256QAM	1	1	18.98	19.09	18.94	19.5	4.5
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98	24.0	0.0
90	QPSK	1	1	23.14	23.40	23.19		
Channel				507204	518598	529998	24.0	0.0
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	23.18	23.48	23.21	24.0	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98	24.0	0.0
60	QPSK	1	1	23.13	23.38	23.17		
Channel				504204	518598	532998	24.0	0.0
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	23.12	23.43	23.17	24.0	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670	24.0	0.0
40	QPSK	1	1	23.21	23.41	23.25		
Channel				502200	518598	534996	24.0	0.0
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	23.15	23.43	23.17	24.0	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99	24.0	0.0
20	QPSK	1	1	23.16	23.47	23.18		

n5 Ant1									
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	21.2	0.0	
Frequency (MHz)				834	836.5	839			
20	PI/2 BPSK	1	1	20.24	20.31	20.28	21.2	0.0	
20	PI/2 BPSK	1	53	20.17	20.22	20.26			
20	PI/2 BPSK	1	104	20.20	20.36	20.24			
20	PI/2 BPSK	50	0	20.20	20.14	20.15			
20	PI/2 BPSK	50	28	20.24	20.17	20.28	21.2	0.0	
20	PI/2 BPSK	50	56	20.17	20.18	20.13	21.2	0.0	
20	PI/2 BPSK	100	0	20.13	20.33	20.28			
20	QPSK	1	1	20.31	20.36	20.33	21.2	0.0	
20	QPSK	1	53	20.24	20.28	20.22			
20	QPSK	1	104	20.20	20.19	20.11			
20	QPSK	50	0	20.27	20.30	20.30			
20	QPSK	50	28	20.19	20.28	20.13	21.2	0.0	
20	QPSK	50	56	20.12	20.17	20.13	21.2	0.0	
20	QPSK	100	0	20.16	20.30	20.27			
20	16QAM	1	1	20.23	20.34	20.21	21.2	0.0	
20	64QAM	1	1	20.27	20.17	20.15	21.2	0.0	
20	256QAM	1	1	18.69	18.64	18.72	19.5	1.7	
Channel				166300	167300	168300	Tune-up limit	MPR	
Frequency (MHz)				831.5	836.5	841.5	(dB)		
15	QPSK	1	1	20.13	20.28	20.17	21.2	0.0	
Channel				165800	167300	168800	Tune-up limit	MPR	
Frequency (MHz)				829	836.5	844	(dB)		
10	QPSK	1	1	20.19	20.18	20.25	21.2	0.0	
Channel				165300	167300	169300	Tune-up limit	MPR	
Frequency (MHz)				826.5	836.5	846.5	(dB)		
5	QPSK	1	1	20.10	20.23	20.21	21.2	0.0	

n7 Ant1									
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				504000	507000	510000	16.3	0.0	
Frequency (MHz)				2520	2535	2550			
40	PI/2 BPSK	1	1	15.44	15.52	15.42	16.3	0.0	
40	PI/2 BPSK	1	108	15.40	15.56	15.48			
40	PI/2 BPSK	1	214	15.44	15.39	15.39			
40	PI/2 BPSK	108	0	15.42	15.42	15.28			
40	PI/2 BPSK	108	54	15.53	15.51	15.46	16.3	0.0	
40	PI/2 BPSK	108	108	15.39	15.52	15.46			
40	PI/2 BPSK	216	0	15.40	15.50	15.40	16.3	0.0	
40	QPSK	1	1	15.55	15.57	15.50			
40	QPSK	1	108	15.38	15.38	15.35			
40	QPSK	1	214	15.45	15.44	15.37			
40	QPSK	108	0	15.44	15.40	15.36	16.3	0.0	
40	QPSK	108	54	15.50	15.52	15.35	16.3	0.0	
40	QPSK	108	108	15.43	15.48	15.34	16.3	0.0	
40	QPSK	216	0	15.54	15.56	15.48			
40	16QAM	1	1	15.40	15.39	15.40	16.3	0.0	
40	64QAM	1	1	15.55	15.40	15.48	16.3	0.0	
40	256QAM	1	1	15.51	15.45	15.48	16.3	0.0	
Channel				503000	507000	511000	Tune-up limit	MPR	
Frequency (MHz)				2515	2535	2555	(dB)		
30	PI/2 BPSK	1	1	15.34	15.36	15.28	16.3	0.0	
Channel				502500	507000	511500	Tune-up limit	MPR	
Frequency (MHz)				2512.5	2535	2557.5	(dB)		
25	PI/2 BPSK	1	1	15.41	15.55	15.32	16.3	0.0	
Channel				502000	507000	512000	Tune-up limit	MPR	
Frequency (MHz)				2510	2535	2560	(dB)		
20	QPSK	1	1	15.39	15.39	15.31	16.3	0.0	
Channel				501500	507000	512500	Tune-up limit	MPR	
Frequency (MHz)				2507.5	2535	2562.5	(dB)		
15	QPSK	1	1	15.37	15.48	15.51	16.3	0.0	
Channel				501000	507000	513000	Tune-up limit	MPR	
Frequency (MHz)				2505	2535	2565	(dB)		
10	QPSK	1	1	15.56	15.55	15.47	16.3	0.0	
Channel				500500	507000	513500	Tune-up limit	MPR	
Frequency (MHz)				2502.5	2535	2567.5	(dB)		
5	QPSK	1	1	15.46	15.54	15.42	16.3	0.0	

n66 Ant1								
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				346000	349000	352000	17.4	0.0
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	16.19	16.07	16.05		
40	PI/2 BPSK	1	108	15.99	16.20	16.12	17.4	0.0
40	PI/2 BPSK	1	214	16.08	16.09	16.14		
40	PI/2 BPSK	108	0	16.20	16.18	16.04		
40	PI/2 BPSK	108	54	16.14	16.19	16.04	17.4	0.0
40	PI/2 BPSK	108	108	16.07	16.14	16.18		
40	PI/2 BPSK	216	0	16.03	16.07	16.07		
40	QPSK	1	1	16.20	16.21	16.18	17.4	0.0
40	QPSK	1	108	16.11	15.99	16.01		
40	QPSK	1	214	16.07	16.09	16.13		
40	QPSK	108	0	16.17	16.09	16.20	17.4	0.0
40	QPSK	108	54	16.11	16.15	16.14	17.4	0.0
40	QPSK	108	108	16.16	16.03	16.01	17.4	0.0
40	QPSK	216	0	15.99	16.20	16.18		
40	16QAM	1	1	16.03	16.17	16.04		
40	64QAM	1	1	16.12	16.10	15.97	17.4	0.0
40	256QAM	1	1	16.05	16.19	16.04	17.4	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	PI/2 BPSK	1	1	16.11	16.17	16.07	17.4	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	16.13	16.12	16.16	17.4	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	16.15	16.09	16.10	17.4	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	16.00	16.20	16.05	17.4	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	16.19	16.00	16.12	17.4	0.0

Par270 n77 Ant2									
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				650000	656000	662000	17.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	16.37	16.50	16.28			
100	PI/2 BPSK	1	137	16.22	16.52	16.30			
100	PI/2 BPSK	1	271	16.26	16.57	16.44	17.0	0.0	
100	PI/2 BPSK	135	0	16.40	16.44	16.35			
100	PI/2 BPSK	135	69	16.38	16.37	16.51			
100	PI/2 BPSK	135	138	16.40	16.54	16.45			
100	PI/2 BPSK	270	0	16.21	16.51	16.30	17.0	0.0	
100	QPSK	1	1	16.41	16.58	16.49			
100	QPSK	1	137	16.28	16.47	16.36			
100	QPSK	1	271	16.28	16.47	16.29			
100	QPSK	135	0	16.26	16.37	16.29	17.0	0.0	
100	QPSK	135	69	16.29	16.49	16.30			
100	QPSK	135	138	16.33	16.39	16.44			
100	QPSK	270	0	16.30	16.47	16.43			
100	16QAM	1	1	16.38	16.51	16.31	17.0	0.0	
100	64QAM	1	1	16.43	16.45	16.34			
100	256QAM	1	1	16.37	16.41	16.38			
Channel				649668	656000	662334	17.0	0.0	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	16.22	16.46	16.46		0.0	
Channel				649334	656000	662668			
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	16.34	16.49	16.34	17.0	0.0	
Channel				649000	656000	663000			
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	16.25	16.42	16.32		0.0	
Channel				648668	656000	663334			
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	16.19	16.50	16.40	17.0	0.0	
Channel				648334	656000	663668			
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	16.24	16.54	16.37		0.0	
Channel				648000	656000	664000			
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	16.34	16.39	16.47	17.0	0.0	
Channel				647668	656000	664334			
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	16.37	16.42	16.49		0.0	
Channel				647334	656000	664668			
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	16.38	16.37	16.43		0.0	

Part27Q n77 Ant2									
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				633000	633334	633668	17.0	0.0	
Frequency (MHz)				3500.01	3500.01	3500.01			
100	PI/2 BPSK	1	1	16.62					
100	PI/2 BPSK	1	137	16.56					
100	PI/2 BPSK	1	271	16.56			17.0	0.0	
100	PI/2 BPSK	135	0	16.52					
100	PI/2 BPSK	135	69	16.56					
100	PI/2 BPSK	135	138	16.48					
100	PI/2 BPSK	270	0	16.57			17.0	0.0	
100	QPSK	1	1	16.66					
100	QPSK	1	137	16.49					
100	QPSK	1	271	16.54					
100	QPSK	135	0	16.60			17.0	0.0	
100	QPSK	135	69	16.61					
100	QPSK	135	138	16.57					
100	QPSK	270	0	16.51					
100	16QAM	1	1	16.51			17.0	0.0	
100	64QAM	1	1	16.51					
100	256QAM	1	1	16.57					
Channel				633000	633334	633668	17.0	0.0	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	16.43	16.58	16.43		0.0	
Channel				632668	633334	634000			
Frequency (MHz)				3490.02	3500.01	3510.01			
80	QPSK	1	1	16.59	16.40	16.41		0.0	
Channel				632334	633334	634334			
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	16.53	16.57	16.46		0.0	
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	16.43	16.50	16.51	17.0	0.0	
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525.02			
50	QPSK	1	1	16.39	16.44	16.50		0.0	
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	16.40	16.45	16.56	17.0	0.0	
Channel				631000	633334	635668			
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	16.60	16.48	16.45		0.0	
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	16.55	16.41	16.42		0.0	

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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				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		16.44		17.0	0.0
100	PI/2 BPSK	1	137		16.52			
100	PI/2 BPSK	1	271		16.57			
100	PI/2 BPSK	135	0		16.52	17.0		
100	PI/2 BPSK	135	69		16.43		17.0	0.0
100	PI/2 BPSK	135	138		16.51		17.0	0.0
100	PI/2 BPSK	270	0		16.63			
100	QPSK	1	1		16.64		17.0	0.0
100	QPSK	1	137		16.61			
100	QPSK	1	271		16.58			
100	QPSK	135	0		16.58	17.0		
100	QPSK	135	69		16.60		17.0	0.0
100	QPSK	135	138		16.53		17.0	0.0
100	QPSK	270	0		16.49			
100	16QAM	1	1		16.58		17.0	0.0
100	64QAM	1	1		16.57		17.0	0.0
100	256QAM	1	1		16.60		17.0	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	16.61	16.45	16.47	17.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	16.48	16.52	16.52	17.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	16.51	16.56	16.45	17.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	16.51	16.46	16.54	17.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	16.56	16.44	16.52	17.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	16.43	16.48	16.47	17.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	16.44	16.60	16.49	17.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	16.63	16.54	16.41	17.0	0.0

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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					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		16.65		17.0	0.0
100	PI/2 BPSK	1	137		16.68			
100	PI/2 BPSK	1	271		16.57			
100	PI/2 BPSK	135	0		16.66		17.0	0.0
100	PI/2 BPSK	135	69		16.70		17.0	0.0
100	PI/2 BPSK	135	138		16.55		17.0	0.0
100	PI/2 BPSK	270	0		16.59			
100	QPSK	1	1		16.72			
100	QPSK	1	137		16.50		17.0	0.0
100	QPSK	1	271		16.68			
100	QPSK	135	0		16.63			
100	QPSK	135	69		16.68		17.0	0.0
100	QPSK	135	138		16.67		17.0	0.0
100	QPSK	270	0		16.65			
100	16QAM	1	1		16.72			
100	64QAM	1	1		16.69		17.0	0.0
100	256QAM	1	1		16.69		17.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	16.46	16.43	16.45	17.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	16.63	16.47	16.49	17.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	16.41	16.43	16.45	17.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	16.53	16.58	16.44	17.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	16.59	16.57	16.48	17.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	16.44	16.56	16.58	17.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	16.44	16.62	16.58	17.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	16.56	16.54	16.54	17.0	0.0

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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				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		14.34		15.0	0.0
100	PI/2 BPSK	1	137		14.51			
100	PI/2 BPSK	1	271		14.40			
100	PI/2 BPSK	135	0		14.48		15.0	0.0
100	PI/2 BPSK	135	69		14.38		15.0	0.0
100	PI/2 BPSK	135	138		14.34		15.0	0.0
100	PI/2 BPSK	270	0		14.44			
100	QPSK	1	1		14.54			
100	QPSK	1	137		14.28		15.0	0.0
100	QPSK	1	271		14.27			
100	QPSK	135	0		14.48		15.0	0.0
100	QPSK	135	69		14.54		15.0	0.0
100	QPSK	135	138		14.32		15.0	0.0
100	QPSK	270	0		14.52			
100	16QAM	1	1		14.49		15.0	0.0
100	64QAM	1	1		14.36		15.0	0.0
100	256QAM	1	1		14.29		15.0	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	14.33	14.39	14.43	15.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	14.39	14.32	14.40	15.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	14.30	14.20	14.20	15.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	14.33	14.24	14.42	15.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	14.25	14.37	14.41	15.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	14.23	14.36	14.20	15.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	14.32	14.36	14.29	15.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	14.29	14.20	14.32	15.0	0.0

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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				633334	633334	633334		
Frequency (MHz)				3500.01	3500.01	3500.01		
100	PI/2 BPSK	1	1		14.32		15.0	0.0
100	PI/2 BPSK	1	137		14.35			
100	PI/2 BPSK	1	271		14.30			
100	PI/2 BPSK	135	0		14.30		15.0	0.0
100	PI/2 BPSK	135	69		14.47		15.0	0.0
100	PI/2 BPSK	135	138		14.31		15.0	0.0
100	PI/2 BPSK	270	0		14.25			
100	QPSK	1	1		14.54			
100	QPSK	1	137		14.30		15.0	0.0
100	QPSK	1	271		14.29			
100	QPSK	135	0		14.34		15.0	0.0
100	QPSK	135	69		14.53		15.0	0.0
100	QPSK	135	138		14.53		15.0	0.0
100	QPSK	270	0		14.50			
100	16QAM	1	1		14.45		15.0	0.0
100	64QAM	1	1		14.40		15.0	0.0
100	256QAM	1	1		14.31		15.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	14.48	14.46	14.50	15.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510.01		
80	QPSK	1	1	14.40	14.49	14.45	15.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	14.38	14.39	14.42	15.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	14.43	14.46	14.44	15.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525.01		
50	QPSK	1	1	14.43	14.47	14.42	15.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	14.42	14.37	14.50	15.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	14.19	14.42	14.46	15.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540.01		
20	QPSK	1	1	14.46	14.40	14.47	15.0	0.0

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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				650000	650000	650000	16.5	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		15.85		16.5	0.0
100	PI/2 BPSK	1	137		16.01			
100	PI/2 BPSK	1	271		15.93			
100	PI/2 BPSK	135	0		15.87		16.5	0.0
100	PI/2 BPSK	135	69		15.84		16.5	0.0
100	PI/2 BPSK	135	138		15.89		16.5	0.0
100	PI/2 BPSK	270	0		15.91			
100	QPSK	1	1		16.08		16.5	0.0
100	QPSK	1	137		15.86			
100	QPSK	1	271		15.74			
100	QPSK	135	0		15.79		16.5	0.0
100	QPSK	135	69		16.05		16.5	0.0
100	QPSK	135	138		15.78		16.5	0.0
100	QPSK	270	0		16.03		16.5	0.0
100	16QAM	1	1		15.94			
100	64QAM	1	1		15.86			
100	256QAM	1	1		15.78		16.5	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	15.75	15.94	15.90	16.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	15.71	15.77	15.82	16.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	15.80	15.77	15.72	16.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	15.94	15.73	15.90	16.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	15.73	15.88	15.94	16.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	15.89	15.83	15.82	16.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	15.94	15.79	15.81	16.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	15.80	15.86	15.72	16.5	0.0

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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					633334		16.5	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		15.74		16.5	0.0
100	PI/2 BPSK	1	137		16.01			
100	PI/2 BPSK	1	271		15.92			
100	PI/2 BPSK	135	0		16.01		16.5	0.0
100	PI/2 BPSK	135	69		15.85		16.5	0.0
100	PI/2 BPSK	135	138		15.89		16.5	0.0
100	PI/2 BPSK	270	0		15.79			
100	QPSK	1	1		16.05		16.5	0.0
100	QPSK	1	137		15.76			
100	QPSK	1	271		15.69			
100	QPSK	135	0		16.01		16.5	0.0
100	QPSK	135	69		16.03		16.5	0.0
100	QPSK	135	138		15.79		16.5	0.0
100	QPSK	270	0		16.02		16.5	0.0
100	16QAM	1	1		15.83			
100	64QAM	1	1		15.93			
100	256QAM	1	1		15.90		16.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	15.90	16.00	15.99	16.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510.01		
80	QPSK	1	1	15.96	15.93	15.94	16.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	15.82	16.01	15.90	16.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	15.91	15.88	15.90	16.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525.01		
50	QPSK	1	1	15.91	15.82	16.02	16.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	15.95	15.88	15.94	16.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	15.87	15.82	15.96	16.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540.01		
20	QPSK	1	1	15.92	15.96	15.82	16.5	0.0

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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				650000	650000	650000	24.0	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		22.54		24.0	0.0
100	PI/2 BPSK	1	137		22.77			
100	PI/2 BPSK	1	271		22.66			
100	PI/2 BPSK	135	0		22.68			
100	PI/2 BPSK	135	69		22.70		24.0	0.0
100	PI/2 BPSK	135	138		22.66		24.0	0.0
100	PI/2 BPSK	270	0		22.71			
100	QPSK	1	1		22.83		24.0	0.0
100	QPSK	1	137		22.74			
100	QPSK	1	271		22.69			
100	QPSK	135	0		22.74			
100	QPSK	135	69		22.71		24.0	0.0
100	QPSK	135	138		22.68		24.0	0.0
100	QPSK	270	0		22.72		24.0	0.0
100	16QAM	1	1		22.77			
100	64QAM	1	1		22.58			
100	256QAM	1	1		21.40			
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	22.75	22.77	22.74	24.0	0.0
Channel				649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	22.78	22.75	22.76	24.0	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	22.76	22.74	22.73	24.0	0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	22.71	22.78	22.79	24.0	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	22.68	22.67	22.75	24.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	22.74	22.72	22.77	24.0	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	22.76	22.73	22.78	24.0	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	22.70	22.76	22.72	24.0	0.0

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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				650000	650000	650000	27.0	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		25.70		27.0	0.0
100	PI/2 BPSK	1	137		25.67			
100	PI/2 BPSK	1	271		25.76			
100	PI/2 BPSK	135	0		25.17			
100	PI/2 BPSK	135	69		25.73		26.5	0.5
100	PI/2 BPSK	135	138		25.16		27.0	0.0
100	PI/2 BPSK	270	0		25.19		26.5	0.5
100	QPSK	1	1		25.79		27.0	0.0
100	QPSK	1	137		25.74			
100	QPSK	1	271		25.70			
100	QPSK	135	0		24.66			
100	QPSK	135	69		25.71		26.0	1.0
100	QPSK	135	138		24.69		27.0	0.0
100	QPSK	270	0		24.63		26.0	1.0
100	16QAM	1	1		24.79		26.0	1.0
100	64QAM	1	1		23.43		24.5	2.5
100	256QAM	1	1		21.46		22.5	4.5
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	25.66	25.67	25.71	27.0	0.0
Channel				649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	25.73	25.65	25.70	27.0	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	25.66	25.65	25.67	27.0	0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	25.69	25.70	25.74	27.0	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	25.74	25.66	25.74	27.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	25.74	25.74	25.72	27.0	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	25.67	25.70	25.73	27.0	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	25.69	25.74	25.65	27.0	0.0

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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				633334				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	22.66			24.0	0.0
100	PI/2 BPSK	1	137	22.74				
100	PI/2 BPSK	1	271	22.78				
100	PI/2 BPSK	135	0	22.73				
100	PI/2 BPSK	135	69	22.81			24.0	0.0
100	PI/2 BPSK	135	138	22.73			24.0	0.0
100	PI/2 BPSK	270	0	22.76				
100	QPSK	1	1	22.90			24.0	0.0
100	QPSK	1	137	22.84				
100	QPSK	1	271	22.79				
100	QPSK	135	0	22.74				
100	QPSK	135	69	22.80			24.0	0.0
100	QPSK	135	138	22.73			24.0	0.0
100	QPSK	270	0	22.79			24.0	0.0
100	16QAM	1	1	22.64				
100	64QAM	1	1	22.86				
100	256QAM	1	1	21.54				
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	22.82	22.75	22.81	24.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	22.76	22.79	22.85	24.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	22.83	22.86	22.85	24.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	22.81	22.74	22.76	24.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	22.81	22.80	22.84	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	22.82	22.82	22.84	24.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	22.84	22.77	22.78	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	22.82	22.84	22.79	24.0	0.0

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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				633334				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	25.70			27.0	0.0
100	PI/2 BPSK	1	137	25.66				
100	PI/2 BPSK	1	271	25.80				
100	PI/2 BPSK	135	0	25.25				
100	PI/2 BPSK	135	69	25.77			27.0	0.0
100	PI/2 BPSK	135	138	25.21			26.5	0.5
100	PI/2 BPSK	270	0	25.28				
100	QPSK	1	1	25.81			27.0	0.0
100	QPSK	1	137	25.65				
100	QPSK	1	271	25.76				
100	QPSK	135	0	24.32				
100	QPSK	135	69	25.51			27.0	0.0
100	QPSK	135	138	24.75			26.0	1.0
100	QPSK	270	0	24.58				
100	16QAM	1	1	24.30			26.0	1.0
100	64QAM	1	1	23.05			24.5	2.5
100	256QAM	1	1	21.47			22.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	25.76	25.73	25.71	27.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	25.71	25.66	25.71	27.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	25.69	25.72	25.68	27.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	25.73	25.66	25.72	27.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	25.75	25.69	25.70	27.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	25.67	25.69	25.77	27.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	25.68	25.77	25.71	27.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	25.67	25.71	25.67	27.0	0.0

Reduced Power Mode for 5GNR DSI 3-Standalone

n7 Ant0									
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				504000	507000	510000	18.0	0.0	
Frequency (MHz)				2520	2535	2550			
40	PI/2 BPSK	1	1	17.20	17.16	17.20			
40	PI/2 BPSK	1	108	17.22	17.28	17.07	18.0	0.0	
40	PI/2 BPSK	1	214	17.19	17.28	17.24			
40	PI/2 BPSK	108	0	17.19	17.27	17.10			
40	PI/2 BPSK	108	54	17.28	17.24	17.13	18.0	0.0	
40	PI/2 BPSK	108	108	17.10	17.26	17.05	18.0	0.0	
40	PI/2 BPSK	216	0	17.23	17.28	17.25			
40	QPSK	1	1	17.28	17.35	17.24			
40	QPSK	1	108	17.27	17.24	17.07	18.0	0.0	
40	QPSK	1	214	17.17	17.31	17.09			
40	QPSK	108	0	17.08	17.15	17.25	18.0	0.0	
40	QPSK	108	54	17.23	17.34	17.19	18.0	0.0	
40	QPSK	108	108	17.25	17.25	17.15	18.0	0.0	
40	QPSK	216	0	17.10	17.30	17.16			
40	16QAM	1	1	17.25	17.18	17.10	18.0	0.0	
40	64QAM	1	1	17.10	17.23	17.13	18.0	0.0	
40	256QAM	1	1	17.11	17.26	17.13	18.0	0.0	
Channel				503000	507000	511000	Tune-up limit	MPR	
Frequency (MHz)				2515	2535	2555	(dBm)	(dB)	
30	PI/2 BPSK	1	1	17.14	17.15	17.06	18.0	0.0	
Channel				502500	507000	511500	Tune-up limit	MPR	
Frequency (MHz)				2512.5	2535	2557.5	(dBm)	(dB)	
25	PI/2 BPSK	1	1	17.28	17.31	17.18	18.0	0.0	
Channel				502000	507000	512000	Tune-up limit	MPR	
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)	
20	QPSK	1	1	17.09	17.21	17.05	18.0	0.0	
Channel				501500	507000	512500	Tune-up limit	MPR	
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)	
15	QPSK	1	1	17.21	17.16	17.11	18.0	0.0	
Channel				501000	507000	513000	Tune-up limit	MPR	
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)	
10	QPSK	1	1	17.25	17.26	17.26	18.0	0.0	
Channel				500500	507000	513500	Tune-up limit	MPR	
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)	
5	QPSK	1	1	17.08	17.22	17.03	18.0	0.0	

n66 Ant0									
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				346000	349000	352000	17.4	0.0	
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	16.48	16.46	16.49			
40	PI/2 BPSK	1	108	16.47	16.47	16.36	17.4	0.0	
40	PI/2 BPSK	1	214	16.33	16.45	16.33			
40	PI/2 BPSK	108	0	16.32	16.43	16.48			
40	PI/2 BPSK	108	54	16.40	16.46	16.41	17.4	0.0	
40	PI/2 BPSK	108	108	16.41	16.36	16.48	17.4	0.0	
40	PI/2 BPSK	216	0	16.33	16.49	16.35			
40	QPSK	1	1	16.48	16.60	16.50			
40	QPSK	1	108	16.40	16.42	16.45	17.4	0.0	
40	QPSK	1	214	16.45	16.40	16.37			
40	QPSK	108	0	16.43	16.36	16.46	17.4	0.0	
40	QPSK	108	54	16.41	16.58	16.57	17.4	0.0	
40	QPSK	108	108	16.42	16.45	16.29	17.4	0.0	
40	QPSK	216	0	16.46	16.50	16.39			
40	16QAM	1	1	16.34	16.36	16.46	17.4	0.0	
40	64QAM	1	1	16.41	16.46	16.46	17.4	0.0	
40	256QAM	1	1	16.46	16.43	16.43	17.4	0.0	
Channel				345000	349000	353000	Tune-up limit	MPR	
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)	
30	PI/2 BPSK	1	1	16.45	16.48	16.33	17.4	0.0	
Channel				344000	349000	354000	Tune-up limit	MPR	
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)	
20	QPSK	1	1	16.33	16.43	16.39	17.4	0.0	
Channel				343500	349000	354500	Tune-up limit	MPR	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)	
15	QPSK	1	1	16.48	16.51	16.30	17.4	0.0	
Channel				343000	349000	355000	Tune-up limit	MPR	
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)	
10	QPSK	1	1	16.39	16.48	16.49	17.4	0.0	
Channel				342500	349000	355500	Tune-up limit	MPR	
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)	
5	QPSK	1	1	16.40	16.47	16.33	17.4	0.0	

n38 Ant0									
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				518004	519000	519996	18.0	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	17.13	17.13	17.14	18.0	0.0	
40	PI/2 BPSK	1	53	17.08	17.12	17.05			
40	PI/2 BPSK	1	104	16.91	17.12	17.10			
40	PI/2 BPSK	50	0	16.91	16.99	17.00			
40	PI/2 BPSK	50	28	17.05	17.13	17.11	18.0	0.0	
40	PI/2 BPSK	50	56	17.10	17.08	17.12	18.0	0.0	
40	PI/2 BPSK	100	0	16.99	17.11	17.02			
40	QPSK	1	1	17.11	17.19	17.12	18.0	0.0	
40	QPSK	1	53	16.90	17.03	17.00			
40	QPSK	1	104	17.06	17.09	17.12			
40	QPSK	50	0	17.10	17.14	17.08		0.0	
40	QPSK	50	28	17.10	17.16	17.14	18.0	0.0	
40	QPSK	50	56	16.91	17.13	17.09	18.0	0.0	
40	QPSK	100	0	16.91	17.15	17.00	18.0	0.0	
40	16QAM	1	1	16.90	17.11	17.06			
40	64QAM	1	1	17.11	17.03	17.03			
40	256QAM	1	1	17.13	16.12	17.11			
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99	18.0	0.0	
30	QPSK	1	1	17.11	16.98	17.11			
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610	18.0	0.0	
20	QPSK	1	1	16.92	17.12	17.06	18.0	0.0	

n41 Ant0									
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	518598	528000	18.0	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	17.01	17.16	16.99	18.0	0.0	
100	PI/2 BPSK	1	137	16.99	17.13	17.11			
100	PI/2 BPSK	1	271	17.06	17.05	17.04			
100	PI/2 BPSK	135	0	16.96	17.07	16.96			
100	PI/2 BPSK	135	69	17.13	17.12	17.02	18.0	0.0	
100	PI/2 BPSK	135	138	16.92	17.15	16.98	18.0	0.0	
100	PI/2 BPSK	270	0	17.11	17.01	17.14			
100	QPSK	1	1	17.13	17.22	17.14	18.0	0.0	
100	QPSK	1	137	16.95	17.05	17.08			
100	QPSK	1	271	16.95	17.13	17.08			
100	QPSK	135	0	16.92	17.04	17.06		0.0	
100	QPSK	135	69	17.12	17.18	17.09	18.0	0.0	
100	QPSK	135	138	17.10	17.16	17.13	18.0	0.0	
100	QPSK	270	0	17.12	17.22	17.07			
100	16QAM	1	1	16.98	17.07	16.92	18.0	0.0	
100	64QAM	1	1	16.98	17.03	17.15	18.0	0.0	
100	256QAM	1	1	17.07	17.16	17.12	18.0	0.0	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	18.0	0.0	
90	QPSK	1	1	17.13	17.12	17.06			
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99	18.0	0.0	
80	QPSK	1	1	17.05	17.05	16.99			
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98	18.0	0.0	
60	QPSK	1	1	17.07	17.16	17.09			
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99	18.0	0.0	
50	QPSK	1	1	17.06	17.12	17.06			
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	18.0	0.0	
40	QPSK	1	1	16.98	17.16	17.03			
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	18.0	0.0	
30	QPSK	1	1	16.94	17.15	17.02			
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	18.0	0.0	
20	QPSK	1	1	17.00	17.16	17.04			

n5 Ant1									
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	24.0	0.0	
Frequency (MHz)				834	836.5	839			
20	PI/2 BPSK	1	1	23.60	23.75	23.69	24.0	0.0	
20	PI/2 BPSK	1	53	23.61	23.70	23.61			
20	PI/2 BPSK	1	104	23.53	23.57	23.53			
20	PI/2 BPSK	50	0	23.06	23.14	23.00	23.5	0.5	
20	PI/2 BPSK	50	28	23.48	23.62	23.53	24.0	0.0	
20	PI/2 BPSK	50	56	23.01	23.08	22.93	23.5	0.5	
20	PI/2 BPSK	100	0	22.94	23.05	22.92			
20	QPSK	1	1	23.76	23.78	23.68	24.0	0.0	
20	QPSK	1	53	23.60	23.68	23.57			
20	QPSK	1	104	23.50	23.55	23.44			
20	QPSK	50	0	22.47	22.59	22.54	23.0	1.0	
20	QPSK	50	28	23.52	23.64	23.58	24.0	0.0	
20	QPSK	50	56	22.43	22.52	22.40	23.0	1.0	
20	QPSK	100	0	22.50	22.57	22.52			
20	16QAM	1	1	22.86	22.97	22.88	23.0	1.0	
20	64QAM	1	1	21.35	21.45	21.32	21.5	2.5	
20	256QAM	1	1	19.35	19.42	19.29	19.5	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	23.64	23.63	23.54	24.0	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	23.72	23.65	23.53	24.0	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	23.64	23.66	23.58	24.0	0.0	

n7 Ant1									
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				504000	507000	510000	19.0	0.0	
Frequency (MHz)				2520	2535	2550			
40	PI/2 BPSK	1	1	17.62	17.62	17.63	19.0	0.0	
40	PI/2 BPSK	1	108	17.62	17.63	17.57			
40	PI/2 BPSK	1	214	17.65	17.64	17.60	19.0	0.0	
40	PI/2 BPSK	108	0	17.58	17.61	17.60			
40	PI/2 BPSK	108	54	17.66	17.66	17.57	19.0	0.0	
40	PI/2 BPSK	108	108	17.61	17.67	17.61			
40	PI/2 BPSK	216	0	17.58	17.62	17.64	19.0	0.0	
40	QPSK	1	1	17.58	17.77	17.68			
40	QPSK	1	108	17.67	17.56	17.62	19.0	0.0	
40	QPSK	1	214	17.65	17.64	17.59			
40	QPSK	108	0	17.57	17.60	17.56	19.0	0.0	
40	QPSK	108	54	17.59	17.73	17.60			
40	QPSK	108	108	17.57	17.61	17.55	19.0	0.0	
40	QPSK	216	0	17.65	17.69	17.56			
40	16QAM	1	1	17.51	17.58	17.53	19.0	0.0	
40	64QAM	1	1	17.59	17.68	17.63			
40	256QAM	1	1	17.53	17.64	17.57	19.0	0.0	
Channel				503000	507000	511000			
Frequency (MHz)				2515	2535	2555	Tune-up limit (dBm)	MPR (dB)	
30	PI/2 BPSK	1	1	17.67	17.65	17.53	19.0	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	PI/2 BPSK	1	1	17.65	17.59	17.66	19.0	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	17.64	17.74	17.61	19.0	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	17.64	17.56	17.59	19.0	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	17.59	17.72	17.53	19.0	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	17.59	17.60	17.66	19.0	0.0	

n66 Ant1								
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				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	17.23	17.17	17.11	18.5	0.0
40	PI/2 BPSK	1	108	17.21	17.15	17.10		
40	PI/2 BPSK	1	214	17.20	17.11	17.03		
40	PI/2 BPSK	108	0	17.23	17.23	17.21	18.5	0.0
40	PI/2 BPSK	108	54	17.23	17.19	17.23	18.5	0.0
40	PI/2 BPSK	108	108	17.17	17.22	17.19	18.5	0.0
40	PI/2 BPSK	216	0	17.21	17.18	17.14		
40	QPSK	1	1	17.17	17.38	17.19	18.5	0.0
40	QPSK	1	108	17.16	17.20	17.11		
40	QPSK	1	214	17.20	17.13	17.15		
40	QPSK	108	0	17.14	17.18	17.19	18.5	0.0
40	QPSK	108	54	17.18	17.27	17.21	18.5	0.0
40	QPSK	108	108	17.23	17.21	17.12	18.5	0.0
40	QPSK	216	0	17.19	17.24	17.16		
40	16QAM	1	1	17.22	17.22	17.18	18.5	0.0
40	64QAM	1	1	17.21	17.23	17.19	18.5	0.0
40	256QAM	1	1	17.16	17.19	17.23	18.5	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	PI/2 BPSK	1	1	17.17	17.19	17.21	18.5	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	17.24	17.11	17.08	18.5	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	17.13	17.21	17.26	18.5	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	17.19	17.23	17.22	18.5	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	17.21	17.19	17.22	18.5	0.0

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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				650000	656000	662000	19.8	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	19.59	19.63	19.60	19.8	0.0
100	PI/2 BPSK	1	137	19.60	19.55	19.57		
100	PI/2 BPSK	1	271	19.63	19.54	19.62		
100	PI/2 BPSK	135	0	19.58	19.53	19.54		
100	PI/2 BPSK	135	69	19.57	19.62	19.60	19.8	0.0
100	PI/2 BPSK	135	138	19.62	19.56	19.49	19.8	0.0
100	PI/2 BPSK	270	0	19.60	19.58	19.63		
100	QPSK	1	1	19.62	19.71	19.60	19.8	0.0
100	QPSK	1	137	19.63	19.50	19.51		
100	QPSK	1	271	19.48	19.57	19.62		
100	QPSK	135	0	19.52	19.60	19.59		
100	QPSK	135	69	19.62	19.65	19.63	19.8	0.0
100	QPSK	135	138	19.58	19.51	19.46	19.8	0.0
100	QPSK	270	0	19.63	19.65	19.58		
100	16QAM	1	1	19.60	19.59	19.58	19.8	0.0
100	64QAM	1	1	19.59	19.62	19.50	19.8	0.0
100	256QAM	1	1	19.42	19.38	19.38	19.5	0.3
Channel				649668	656000	662334	19.8	0.0
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	19.53	19.61	19.52	19.8	0.0
Channel				649334	656000	662668	19.8	0.0
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	19.58	19.57	19.57	19.8	0.0
Channel				649000	656000	663000	19.8	0.0
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	19.59	19.54	19.52	19.8	0.0
Channel				648668	656000	663334	19.8	0.0
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	19.58	19.51	19.46	19.8	0.0
Channel				648334	656000	663668	19.8	0.0
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	19.63	19.52	19.56	19.8	0.0
Channel				648000	656000	664000	19.8	0.0
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	19.58	19.52	19.61	19.8	0.0
Channel				647668	656000	664334	19.8	0.0
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	19.63	19.62	19.47	19.8	0.0
Channel				647334	656000	664668	19.8	0.0
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	19.48	19.61	19.59	19.8	0.0

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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				633334			19.8	0.0
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	19.56	19.55	19.54	19.8	0.0
100	PI/2 BPSK	1	137	19.56	19.52	19.56		
100	PI/2 BPSK	1	271	19.57	19.56	19.44		
100	PI/2 BPSK	135	0	19.53	19.59	19.50		
100	PI/2 BPSK	135	69	19.52	19.51	19.52	19.8	0.0
100	PI/2 BPSK	135	138	19.56	19.59	19.49	19.8	0.0
100	PI/2 BPSK	270	0	19.48	19.55	19.57		
100	QPSK	1	1	19.56	19.68	19.59	19.8	0.0
100	QPSK	1	137	19.61	19.48	19.43		
100	QPSK	1	271	19.59	19.54	19.56		
100	QPSK	135	0	19.53	19.55	19.51		
100	QPSK	135	69	19.59	19.63	19.59	19.8	0.0
100	QPSK	135	138	19.46	19.47	19.46	19.8	0.0
100	QPSK	270	0	19.53	19.62	19.58		
100	16QAM	1	1	19.56	19.55	19.56	19.8	0.0
100	64QAM	1	1	19.59	19.52	19.56	19.8	0.0
100	256QAM	1	1	19.48	19.47	19.57	19.5	0.3
Channel				633000	633334	633668	19.8	0.0
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	19.59	19.56	19.60	19.8	0.0
Channel				632668	633334	634000	19.8	0.0
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	19.46	19.56	19.54	19.8	0.0
Channel				632334	633334	634334	19.8	0.0
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	19.59	19.50	19.50	19.8	0.0
Channel				632000	633334	634668	19.8	0.0
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	19.57	19.48	19.59	19.8	0.0
Channel				631668	633334	635000	19.8	0.0
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	19.66	19.60	19.55	19.8	0.0
Channel				631334	633334	635334	19.8	0.0
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	19.67	19.52	19.49	19.8	0.0
Channel				631000	633334	635668	19.8	0.0
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	19.46	19.56	19.48	19.8	0.0
Channel				630668	633334	636000	19.8	0.0
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	19.61	19.49	19.43	19.8	0.0

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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				650000	650000	650000	20.0	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		19.51		20.0	0.0
100	PI/2 BPSK	1	137		19.57			
100	PI/2 BPSK	1	271		19.60			
100	PI/2 BPSK	135	0		19.60		20.0	0.0
100	PI/2 BPSK	135	69		19.58		20.0	0.0
100	PI/2 BPSK	135	138		19.45		20.0	0.0
100	PI/2 BPSK	270	0		19.50			
100	QPSK	1	1		19.67		20.0	0.0
100	QPSK	1	137		19.56			
100	QPSK	1	271		19.46			
100	QPSK	135	0		19.59		20.0	0.0
100	QPSK	135	69		19.64		20.0	0.0
100	QPSK	135	138		17.59		20.0	0.0
100	QPSK	270	0		19.57		20.0	0.0
100	16QAM	1	1		19.61			
100	64QAM	1	1		19.56			
100	256QAM	1	1		19.51		20.0	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	19.46	19.50	19.51	20.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	19.60	19.59	19.55	20.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	19.51	19.59	19.58	20.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	19.51	19.68	19.58	20.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	19.50	19.50	19.54	20.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	19.48	19.52	19.56	20.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	19.54	19.62	19.48	20.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	19.66	19.56	19.65	20.0	0.0

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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					633334		20.0	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		19.53		20.0	0.0
100	PI/2 BPSK	1	137		19.56			
100	PI/2 BPSK	1	271		19.66			
100	PI/2 BPSK	135	0		19.51		20.0	0.0
100	PI/2 BPSK	135	69		19.68		20.0	0.0
100	PI/2 BPSK	135	138		19.62		20.0	0.0
100	PI/2 BPSK	270	0		19.59			
100	QPSK	1	1		19.76		20.0	0.0
100	QPSK	1	137		19.50			
100	QPSK	1	271		19.66			
100	QPSK	135	0		19.46		20.0	0.0
100	QPSK	135	69		19.71		20.0	0.0
100	QPSK	135	138		19.62		20.0	0.0
100	QPSK	270	0		19.69		20.0	0.0
100	16QAM	1	1		19.46			
100	64QAM	1	1		19.56			
100	256QAM	1	1		19.52		20.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	19.48	19.68	19.63	20.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	19.55	19.59	19.49	20.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	19.64	19.64	19.53	20.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	19.49	19.58	19.48	20.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	19.46	19.48	19.61	20.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	19.58	19.48	19.51	20.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	19.56	19.65	19.59	20.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	19.65	19.54	19.46	20.0	0.0

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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				650000	650000	650000	18.0	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		17.25		18.0	0.0
100	PI/2 BPSK	1	137		17.41			
100	PI/2 BPSK	1	271		17.28			
100	PI/2 BPSK	135	0		17.42			
100	PI/2 BPSK	135	69		17.44		18.0	0.0
100	PI/2 BPSK	135	138		17.39		18.0	0.0
100	PI/2 BPSK	270	0		17.24			
100	QPSK	1	1		17.50		18.0	0.0
100	QPSK	1	137		17.25			
100	QPSK	1	271		17.25			
100	QPSK	135	0		17.42			
100	QPSK	135	69		17.45		18.0	0.0
100	QPSK	135	138		17.21		18.0	0.0
100	QPSK	270	0		17.48		18.0	0.0
100	16QAM	1	1		17.39			
100	64QAM	1	1		17.35			
100	256QAM	1	1		17.30			
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	17.36	17.43	17.39	18.0	0.0
Channel				649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	17.47	17.42	17.48	18.0	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	17.35	17.42	17.45	18.0	0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	17.35	17.43	17.33	18.0	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	17.51	17.47	17.50	18.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	17.48	17.40	17.44	18.0	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	17.49	17.48	17.50	18.0	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	17.51	17.48	17.49	18.0	0.0

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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					633334		18.0	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		17.32		18.0	0.0
100	PI/2 BPSK	1	137		17.39			
100	PI/2 BPSK	1	271		17.31			
100	PI/2 BPSK	135	0		17.43			
100	PI/2 BPSK	135	69		17.39		18.0	0.0
100	PI/2 BPSK	135	138		17.40		18.0	0.0
100	PI/2 BPSK	270	0		17.30			
100	QPSK	1	1		17.56		18.0	0.0
100	QPSK	1	137		17.27			
100	QPSK	1	271		17.28			
100	QPSK	135	0		17.41			
100	QPSK	135	69		17.53		18.0	0.0
100	QPSK	135	138		17.52		18.0	0.0
100	QPSK	270	0		17.46			
100	16QAM	1	1		17.30		18.0	0.0
100	64QAM	1	1		17.37		18.0	0.0
100	256QAM	1	1		17.41		18.0	0.0
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	17.43	17.35	17.37	18.0	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	17.31	17.34	17.26	18.0	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	17.23	17.32	17.37	18.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	17.22	17.41	17.37	18.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	17.44	17.42	17.26	18.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	17.32	17.27	17.30	18.0	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	17.44	17.45	17.34	18.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	17.38	17.25	17.42	18.0	0.0

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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				650000	650000	650000	18.0	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		17.43		18.0	0.0
100	PI/2 BPSK	1	137		17.46			
100	PI/2 BPSK	1	271		17.38			
100	PI/2 BPSK	135	0		17.38			
100	PI/2 BPSK	135	69		17.46		18.0	0.0
100	PI/2 BPSK	135	138		17.50		18.0	0.0
100	PI/2 BPSK	270	0		17.37			
100	QPSK	1	1		17.55		18.0	0.0
100	QPSK	1	137		17.39			
100	QPSK	1	271		17.35			
100	QPSK	135	0		17.44			
100	QPSK	135	69		17.54		18.0	0.0
100	QPSK	135	138		17.33		18.0	0.0
100	QPSK	270	0		17.51			
100	16QAM	1	1		17.35		18.0	0.0
100	64QAM	1	1		17.44		18.0	0.0
100	256QAM	1	1		17.44		18.0	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	17.43	17.48	17.38	18.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	17.38	17.46	17.47	18.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	17.32	17.34	17.50	18.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	17.45	17.48	17.37	18.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	17.36	17.53	17.50	18.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	17.43	17.41	17.53	18.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	17.50	17.45	17.47	18.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	17.43	17.47	17.49	18.0	0.0

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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					633334		18.0	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		17.36		18.0	0.0
100	PI/2 BPSK	1	137		17.42			
100	PI/2 BPSK	1	271		17.40			
100	PI/2 BPSK	135	0		17.45			
100	PI/2 BPSK	135	69		17.48		18.0	0.0
100	PI/2 BPSK	135	138		17.32		18.0	0.0
100	PI/2 BPSK	270	0		17.26			
100	QPSK	1	1		17.53		18.0	0.0
100	QPSK	1	137		17.41			
100	QPSK	1	271		17.18			
100	QPSK	135	0		17.31			
100	QPSK	135	69		17.52		18.0	0.0
100	QPSK	135	138		17.32		18.0	0.0
100	QPSK	270	0		17.49			
100	16QAM	1	1		17.27		18.0	0.0
100	64QAM	1	1		17.33		18.0	0.0
100	256QAM	1	1		17.34		18.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	17.47	17.33	17.43	18.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	17.46	17.40	17.44	18.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	17.42	17.52	17.43	18.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	17.43	17.41	17.42	18.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	17.51	17.40	17.47	18.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	17.40	17.35	17.49	18.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	17.33	17.47	17.46	18.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	17.40	17.47	17.43	18.0	0.0

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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				650000	650000	650000	24.0	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		22.54		24.0	0.0
100	PI/2 BPSK	1	137		22.77			
100	PI/2 BPSK	1	271		22.66			
100	PI/2 BPSK	135	0		22.68			
100	PI/2 BPSK	135	69		22.70		24.0	0.0
100	PI/2 BPSK	135	138		22.66		24.0	0.0
100	PI/2 BPSK	270	0		22.71			
100	QPSK	1	1		22.83		24.0	0.0
100	QPSK	1	137		22.74			
100	QPSK	1	271		22.69			
100	QPSK	135	0		22.74			
100	QPSK	135	69		22.71		24.0	0.0
100	QPSK	135	138		22.68		24.0	0.0
100	QPSK	270	0		22.72		24.0	0.0
100	16QAM	1	1		22.77			
100	64QAM	1	1		22.58			
100	256QAM	1	1		21.40			
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	22.75	22.77	22.74	24.0	0.0
Channel				649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	22.78	22.75	22.76	24.0	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	22.76	22.74	22.73	24.0	0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	22.71	22.78	22.79	24.0	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	22.68	22.67	22.75	24.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	22.74	22.72	22.77	24.0	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	22.76	22.73	22.78	24.0	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	22.70	22.76	22.72	24.0	0.0

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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				650000	650000	650000	27.0	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		25.70		27.0	0.0
100	PI/2 BPSK	1	137		25.67			
100	PI/2 BPSK	1	271		25.76			
100	PI/2 BPSK	135	0		25.17			
100	PI/2 BPSK	135	69		25.73		26.5	0.5
100	PI/2 BPSK	135	138		25.16		27.0	0.0
100	PI/2 BPSK	270	0		25.19		26.5	0.5
100	QPSK	1	1		25.79		27.0	0.0
100	QPSK	1	137		25.74			
100	QPSK	1	271		25.70			
100	QPSK	135	0		24.66			
100	QPSK	135	69		25.71		26.0	1.0
100	QPSK	135	138		24.69		27.0	0.0
100	QPSK	270	0		24.63		26.0	1.0
100	16QAM	1	1		24.79		26.0	1.0
100	64QAM	1	1		23.43		24.5	2.5
100	256QAM	1	1		21.46		22.5	4.5
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	25.66	25.67	25.71	27.0	0.0
Channel				649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	25.73	25.65	25.70	27.0	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	25.66	25.65	25.67	27.0	0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	25.69	25.70	25.74	27.0	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	25.74	25.66	25.74	27.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	25.74	25.74	25.72	27.0	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	25.67	25.70	25.73	27.0	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	25.69	25.74	25.65	27.0	0.0

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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				633334				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	22.66			24.0	0.0
100	PI/2 BPSK	1	137	22.74				
100	PI/2 BPSK	1	271	22.78				
100	PI/2 BPSK	135	0	22.73				
100	PI/2 BPSK	135	69	22.81			24.0	0.0
100	PI/2 BPSK	135	138	22.73			24.0	0.0
100	PI/2 BPSK	270	0	22.76				
100	QPSK	1	1	22.90			24.0	0.0
100	QPSK	1	137	22.84				
100	QPSK	1	271	22.79				
100	QPSK	135	0	22.74				
100	QPSK	135	69	22.80			24.0	0.0
100	QPSK	135	138	22.73			24.0	0.0
100	QPSK	270	0	22.79				
100	16QAM	1	1	22.64			24.0	0.0
100	64QAM	1	1	22.86			24.0	0.0
100	256QAM	1	1	21.54			22.5	1.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	22.82	22.75	22.81	24.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	22.76	22.79	22.85	24.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	22.83	22.86	22.85	24.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	22.81	22.74	22.76	24.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	22.81	22.80	22.84	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	22.82	22.82	22.84	24.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	22.84	22.77	22.78	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	22.82	22.84	22.79	24.0	0.0

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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				633334				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	25.70			27.0	0.0
100	PI/2 BPSK	1	137	25.66				
100	PI/2 BPSK	1	271	25.80				
100	PI/2 BPSK	135	0	25.25				
100	PI/2 BPSK	135	69	25.77			27.0	0.0
100	PI/2 BPSK	135	138	25.21			26.5	0.5
100	PI/2 BPSK	270	0	25.28				
100	QPSK	1	1	25.81			27.0	0.0
100	QPSK	1	137	25.65				
100	QPSK	1	271	25.76				
100	QPSK	135	0	24.32				
100	QPSK	135	69	25.51			27.0	0.0
100	QPSK	135	138	24.75			26.0	1.0
100	QPSK	270	0	24.58				
100	16QAM	1	1	24.30			26.0	1.0
100	64QAM	1	1	23.05			24.5	2.5
100	256QAM	1	1	21.47			22.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	25.76	25.73	25.71	27.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	25.71	25.66	25.71	27.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	25.69	25.72	25.68	27.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	25.73	25.66	25.72	27.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	25.75	25.69	25.70	27.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	25.67	25.69	25.77	27.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	25.68	25.77	25.71	27.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	25.67	25.71	25.67	27.0	0.0

Reduced Power Mode for 5GNR DSI 3-Simultaneous

n7 Ant0									
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				504000	507000	510000	18.0	0.0	
Frequency (MHz)				2520	2535	2550			
40	PI/2 BPSK	1	1	17.20	17.16	17.20			
40	PI/2 BPSK	1	108	17.22	17.28	17.07			
40	PI/2 BPSK	1	214	17.19	17.28	17.24	18.0	0.0	
40	PI/2 BPSK	108	0	17.19	17.27	17.10			
40	PI/2 BPSK	108	54	17.28	17.24	17.13			
40	PI/2 BPSK	108	108	17.10	17.26	17.05			
40	PI/2 BPSK	216	0	17.23	17.28	17.25	18.0	0.0	
40	QPSK	1	1	17.28	17.35	17.24			
40	QPSK	1	108	17.27	17.24	17.07			
40	QPSK	1	214	17.17	17.31	17.09			
40	QPSK	108	0	17.08	17.15	17.25	18.0	0.0	
40	QPSK	108	54	17.23	17.34	17.19			
40	QPSK	108	108	17.25	17.25	17.15			
40	QPSK	216	0	17.10	17.30	17.16			
40	16QAM	1	1	17.25	17.18	17.10	18.0	0.0	
40	64QAM	1	1	17.10	17.23	17.13			
40	256QAM	1	1	17.11	17.26	17.13			
Channel				503000	507000	511000	18.0	0.0	
Frequency (MHz)				2515	2535	2555			
30	PI/2 BPSK	1	1	17.14	17.15	17.06			
Channel				502500	507000	511500	18.0	0.0	
Frequency (MHz)				2512.5	2535	2557.5			
25	PI/2 BPSK	1	1	17.28	17.31	17.18			
Channel				502000	507000	512000	18.0	0.0	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	17.09	17.21	17.05			
Channel				501500	507000	512500	18.0	0.0	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	17.21	17.16	17.11			
Channel				501000	507000	513000	18.0	0.0	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	17.25	17.26	17.26			
Channel				500500	507000	513500	18.0	0.0	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	17.08	17.22	17.03			

n66 Ant0									
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				346000	349000	352000	16.6	0.0	
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	15.95	15.90	15.96			
40	PI/2 BPSK	1	108	15.92	15.89	15.96			
40	PI/2 BPSK	1	214	15.91	15.98	16.01	16.6	0.0	
40	PI/2 BPSK	108	0	15.92	15.96	15.90			
40	PI/2 BPSK	108	54	15.86	15.97	15.89			
40	PI/2 BPSK	108	108	15.84	16.00	15.83			
40	PI/2 BPSK	216	0	15.91	16.02	16.01	16.6	0.0	
40	QPSK	1	1	16.02	16.10	16.02			
40	QPSK	1	108	15.85	16.02	16.03			
40	QPSK	1	214	15.81	15.94	16.00			
40	QPSK	108	0	15.91	16.08	15.94	16.6	0.0	
40	QPSK	108	54	15.98	16.03	15.96			
40	QPSK	108	108	16.00	15.93	15.86			
40	QPSK	216	0	15.96	16.04	15.91			
40	16QAM	1	1	15.92	15.88	15.88	16.6	0.0	
40	64QAM	1	1	16.01	15.91	15.90			
40	256QAM	1	1	15.98	15.87	15.84			
Channel				345000	349000	353000	16.6	0.0	
Frequency (MHz)				1725	1745	1765			
30	PI/2 BPSK	1	1	15.99	15.99	15.85			
Channel				344000	349000	354000	16.6	0.0	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	15.94	16.09	15.97			
Channel				343500	349000	354500	16.6	0.0	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	15.91	16.01	15.98			
Channel				343000	349000	355000	16.6	0.0	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	15.85	15.98	15.87			
Channel				342500	349000	355500	16.6	0.0	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	15.83	15.97	15.93			

n38 Ant0									
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				518004	519000	519996	18.0	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	17.09	17.06	16.99	18.0	0.0	
40	PI/2 BPSK	1	53	17.12	17.00	17.00			
40	PI/2 BPSK	1	104	17.13	16.99	17.14			
40	PI/2 BPSK	50	0	16.97	17.03	17.03			
40	PI/2 BPSK	50	28	16.98	17.05	17.10	18.0	0.0	
40	PI/2 BPSK	50	56	16.95	17.10	16.99	18.0	0.0	
40	PI/2 BPSK	100	0	17.09	17.10	17.02			
40	QPSK	1	1	17.11	17.19	17.10	18.0	0.0	
40	QPSK	1	53	17.07	17.02	17.15			
40	QPSK	1	104	17.11	16.97	17.08			
40	QPSK	50	0	17.03	17.11	17.15		0.0	
40	QPSK	50	28	17.10	17.16	17.14	18.0	0.0	
40	QPSK	50	56	16.90	17.11	17.02	18.0	0.0	
40	QPSK	100	0	17.06	17.18	17.11	18.0	0.0	
40	16QAM	1	1	17.05	17.08	17.12			
40	64QAM	1	1	16.94	17.07	16.98			
40	256QAM	1	1	16.89	17.11	16.99		0.0	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99	18.0	0.0	
30	QPSK	1	1	17.00	16.99	16.96			
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610	18.0	0.0	
20	QPSK	1	1	17.03	17.06	17.18			

n41 Ant0									
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	518598	528000	18.0	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	17.10	17.07	17.06	18.0	0.0	
100	PI/2 BPSK	1	137	17.10	16.95	17.11			
100	PI/2 BPSK	1	271	16.95	17.03	16.92			
100	PI/2 BPSK	135	0	17.07	17.04	16.96		0.0	
100	PI/2 BPSK	135	69	16.92	17.05	17.06	18.0	0.0	
100	PI/2 BPSK	135	138	17.07	17.02	17.05	18.0	0.0	
100	PI/2 BPSK	270	0	16.95	17.05	17.08			
100	QPSK	1	1	17.13	17.22	17.14	18.0	0.0	
100	QPSK	1	137	16.95	17.06	17.09			
100	QPSK	1	271	17.14	17.04	17.12			
100	QPSK	135	0	17.06	16.95	17.02		0.0	
100	QPSK	135	69	17.12	17.18	17.09	18.0	0.0	
100	QPSK	135	138	17.11	17.13	17.02		0.0	
100	QPSK	270	0	16.97	17.17	17.07	18.0	0.0	
100	16QAM	1	1	16.93	17.05	16.95			
100	64QAM	1	1	17.09	17.08	17.02			
100	256QAM	1	1	17.06	17.01	17.06		0.0	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	18.0	0.0	
90	QPSK	1	1	17.08	17.16	16.99			
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99	18.0	0.0	
80	QPSK	1	1	16.92	17.01	16.99		0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98	18.0	0.0	
60	QPSK	1	1	16.95	17.13	16.94		0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99	18.0	0.0	
50	QPSK	1	1	17.04	17.16	17.00		0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	18.0	0.0	
40	QPSK	1	1	16.97	17.11	17.03		0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	18.0	0.0	
30	QPSK	1	1	17.08	17.09	17.00		0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	18.0	0.0	
20	QPSK	1	1	17.03	17.07	17.03			

n5 Ant1									
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	23.5	0.0	
Frequency (MHz)				834	836.5	839			
20	PI/2 BPSK	1	1	23.02	23.10	22.94	23.5	0.0	
20	PI/2 BPSK	1	53	22.92	23.03	23.01			
20	PI/2 BPSK	1	104	22.82	22.91	22.87			
20	PI/2 BPSK	50	0	22.92	23.08	23.00			
20	PI/2 BPSK	50	28	22.93	22.97	22.83	23.5	0.0	
20	PI/2 BPSK	50	56	22.96	23.05	22.95	23.5	0.0	
20	PI/2 BPSK	100	0	22.69	22.86	22.83			
20	QPSK	1	1	23.10	23.18	23.01	23.5	0.0	
20	QPSK	1	53	23.05	23.15	23.12			
20	QPSK	1	104	22.96	23.06	22.97			
20	QPSK	50	0	22.50	22.58	22.48		0.5	
20	QPSK	50	28	23.01	23.12	22.97	23.5	0.0	
20	QPSK	50	56	22.56	22.59	22.48	23.0	0.5	
20	QPSK	100	0	22.53	22.61	22.57			
20	16QAM	1	1	22.41	22.59	22.56	23.0	0.5	
20	64QAM	1	1	22.48	22.61	22.57	21.5	2.0	
20	256QAM	1	1	22.44	22.57	22.45	19.5	4.0	
Channel				166300	167300	168300	Tune-up limit	MPR	
Frequency (MHz)				831.5	836.5	841.5	23.5	0.0	
15	QPSK	1	1	22.98	23.03	22.89			
Channel				165800	167300	168800	Tune-up limit	MPR	
Frequency (MHz)				829	836.5	844	23.5	0.0	
10	QPSK	1	1	23.06	23.04	22.98			
Channel				165300	167300	169300	Tune-up limit	MPR	
Frequency (MHz)				826.5	836.5	846.5	23.5	0.0	
5	QPSK	1	1	23.06	23.08	22.90			

n7 Ant1									
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				504000	507000	510000	18.0	0.0	
Frequency (MHz)				2520	2535	2550			
40	PI/2 BPSK	1	1	16.66	16.75	16.73	18.0	0.0	
40	PI/2 BPSK	1	108	16.81	16.78	16.68			
40	PI/2 BPSK	1	214	16.76	16.80	16.75			
40	PI/2 BPSK	108	0	16.77	16.82	16.81			
40	PI/2 BPSK	108	54	16.76	16.68	16.65	18.0	0.0	
40	PI/2 BPSK	108	108	16.80	16.77	16.66	18.0	0.0	
40	PI/2 BPSK	216	0	16.70	16.70	16.73			
40	QPSK	1	1	16.76	16.89	16.79	18.0	0.0	
40	QPSK	1	108	16.82	16.81	16.68			
40	QPSK	1	214	16.73	16.69	16.79			
40	QPSK	108	0	16.68	16.67	16.73		18.0	
40	QPSK	108	54	16.76	16.86	16.75	18.0	0.0	
40	QPSK	108	108	16.82	16.72	16.68	18.0	0.0	
40	QPSK	216	0	16.75	16.83	16.63			
40	16QAM	1	1	16.80	16.82	16.68	18.0	0.0	
40	64QAM	1	1	16.75	16.80	16.63	18.0	0.0	
40	256QAM	1	1	16.76	16.73	16.72	18.0	0.0	
Channel				503000	507000	511000	Tune-up limit	MPR	
Frequency (MHz)				2515	2535	2555	18.0	0.0	
30	PI/2 BPSK	1	1	16.76	16.79	16.58			
Channel				502500	507000	511500	Tune-up limit	MPR	
Frequency (MHz)				2512.5	2535	2557.5	18.0	0.0	
25	PI/2 BPSK	1	1	16.78	16.79	16.79			
Channel				502000	507000	512000	Tune-up limit	MPR	
Frequency (MHz)				2510	2535	2560	18.0	0.0	
20	QPSK	1	1	16.72	16.72	16.77			
Channel				501500	507000	512500	Tune-up limit	MPR	
Frequency (MHz)				2507.5	2535	2562.5	18.0	0.0	
15	QPSK	1	1	16.83	16.72	16.72			
Channel				501000	507000	513000	Tune-up limit	MPR	
Frequency (MHz)				2505	2535	2565	18.0	0.0	
10	QPSK	1	1	16.78	16.79	16.78			
Channel				500500	507000	513500	Tune-up limit	MPR	
Frequency (MHz)				2502.5	2535	2567.5	18.0	0.0	
5	QPSK	1	1	16.68	16.70	16.65			

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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				346000	349000	352000	17.5	0.0
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	16.56	16.60	16.48		
40	PI/2 BPSK	1	108	16.54	16.54	16.40	17.5	0.0
40	PI/2 BPSK	1	214	16.57	16.57	16.39		
40	PI/2 BPSK	108	0	16.42	16.54	16.53		
40	PI/2 BPSK	108	54	16.46	16.52	16.60	17.5	0.0
40	PI/2 BPSK	108	108	16.50	16.59	16.37		
40	PI/2 BPSK	216	0	16.37	16.53	16.56		
40	QPSK	1	1	16.57	16.73	16.58	17.5	0.0
40	QPSK	1	108	16.52	16.65	16.57		
40	QPSK	1	214	16.45	16.53	16.36		
40	QPSK	108	0	16.41	16.53	16.52	17.5	0.0
40	QPSK	108	54	16.54	16.68	16.53		
40	QPSK	108	108	16.47	16.63	16.47		
40	QPSK	216	0	16.58	16.67	16.42	17.5	0.0
40	16QAM	1	1	16.40	16.64	16.41		
40	64QAM	1	1	16.52	16.63	16.41		
40	256QAM	1	1	16.51	16.54	16.55	17.5	0.0
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	PI/2 BPSK	1	1	16.48	16.65	16.41	17.5	0.0
Channel				344000	349000	354000		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	16.39	16.52	16.46	17.5	0.0
Channel				343500	349000	354500		
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	16.43	16.64	16.41	17.5	0.0
Channel				343000	349000	355000		
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	16.40	16.61	16.57	17.5	0.0
Channel				342500	349000	355500		
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	16.47	16.62	16.39	17.5	0.0

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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				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	15.79	15.92	15.77	16.8	0.0
100	PI/2 BPSK	1	137	15.90	15.97	15.83		
100	PI/2 BPSK	1	271	15.80	16.00	15.81		
100	PI/2 BPSK	135	0	15.99	15.94	15.97		
100	PI/2 BPSK	135	69	15.96	15.92	15.78	16.8	0.0
100	PI/2 BPSK	135	138	15.93	16.00	15.93	16.8	0.0
100	PI/2 BPSK	270	0	15.95	15.88	15.96		
100	QPSK	1	1	15.98	16.05	15.99	16.8	0.0
100	QPSK	1	137	15.83	15.83	16.00		
100	QPSK	1	271	15.85	15.98	15.77		
100	QPSK	135	0	15.77	15.85	16.00		
100	QPSK	135	69	15.89	16.01	15.96	16.8	0.0
100	QPSK	135	138	15.90	15.89	15.90	16.8	0.0
100	QPSK	270	0	15.93	16.02	15.98		
100	16QAM	1	1	15.89	16.00	15.96	16.8	0.0
100	64QAM	1	1	15.96	15.96	15.95	16.8	0.0
100	256QAM	1	1	15.95	15.96	15.79	16.8	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	15.79	15.95	15.80	16.8	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	15.87	15.85	15.96	16.8	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	15.81	15.88	15.90	16.8	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	15.86	15.91	15.79	16.8	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	15.98	15.92	15.96	16.8	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	15.97	15.90	15.97	16.8	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	15.87	15.89	15.81	16.8	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	15.84	15.91	15.85	16.8	0.0

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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					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		15.73		16.8	0.0
100	PI/2 BPSK	1	137		15.68			
100	PI/2 BPSK	1	271		15.63			
100	PI/2 BPSK	135	0		15.83			
100	PI/2 BPSK	135	69		15.70		16.8	0.0
100	PI/2 BPSK	135	138		15.68		16.8	0.0
100	PI/2 BPSK	270	0		15.73			
100	QPSK	1	1		15.99		16.8	0.0
100	QPSK	1	137		15.68			
100	QPSK	1	271		15.70			
100	QPSK	135	0		15.61			
100	QPSK	135	69		15.93		16.8	0.0
100	QPSK	135	138		15.65		16.8	0.0
100	QPSK	270	0		15.84			
100	16QAM	1	1		15.74		16.8	0.0
100	64QAM	1	1		15.74		16.8	0.0
100	256QAM	1	1		15.77		16.8	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	15.77	15.89	15.86	16.8	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	15.83	15.98	15.91	16.8	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	15.78	15.86	15.94	16.8	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	15.80	15.93	15.94	16.8	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	15.92	15.95	15.86	16.8	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	15.85	15.98	15.97	16.8	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	15.85	15.87	15.86	16.8	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	15.91	15.91	15.82	16.8	0.0

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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				650000	650000	650000	17.0	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		15.94		17.0	0.0
100	PI/2 BPSK	1	137		15.81			
100	PI/2 BPSK	1	271		15.83			
100	PI/2 BPSK	135	0		15.91		17.0	0.0
100	PI/2 BPSK	135	69		15.95		17.0	0.0
100	PI/2 BPSK	135	138		15.80		17.0	0.0
100	PI/2 BPSK	270	0		15.93			
100	QPSK	1	1		16.14		17.0	0.0
100	QPSK	1	137		15.80			
100	QPSK	1	271		15.84			
100	QPSK	135	0		15.92		17.0	0.0
100	QPSK	135	69		16.05		17.0	0.0
100	QPSK	135	138		15.93		17.0	0.0
100	QPSK	270	0		16.04		17.0	0.0
100	16QAM	1	1		15.80			
100	64QAM	1	1		15.91			
100	256QAM	1	1		15.94		17.0	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	15.99	15.95	15.96	17.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	15.80	15.84	15.93	17.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	15.84	15.80	16.01	17.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	15.92	15.80	15.80	17.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	15.98	15.96	15.94	17.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	15.84	16.00	16.00	17.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	15.82	15.88	15.83	17.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	15.80	15.77	15.81	17.0	0.0

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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					633334		17.0	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		15.76		17.0	0.0
100	PI/2 BPSK	1	137		15.82			
100	PI/2 BPSK	1	271		15.80			
100	PI/2 BPSK	135	0		15.78		17.0	0.0
100	PI/2 BPSK	135	69		15.87		17.0	0.0
100	PI/2 BPSK	135	138		15.82		17.0	0.0
100	PI/2 BPSK	270	0		15.80			
100	QPSK	1	1		15.98		17.0	0.0
100	QPSK	1	137		15.80			
100	QPSK	1	271		15.82			
100	QPSK	135	0		15.80		17.0	0.0
100	QPSK	135	69		15.89		17.0	0.0
100	QPSK	135	138		15.80		17.0	0.0
100	QPSK	270	0		15.96		17.0	0.0
100	16QAM	1	1		15.81			
100	64QAM	1	1		15.88			
100	256QAM	1	1		15.80		17.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	15.82	15.82	15.79	17.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	15.84	15.79	15.78	17.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	15.92	15.91	15.88	17.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	15.78	15.88	16.00	17.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	15.80	15.79	15.83	17.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	15.94	15.77	15.92	17.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	15.87	15.78	15.94	17.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	15.89	15.82	15.78	17.0	0.0

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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				650000	650000	650000	14.5	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		13.83		14.5	0.0
100	PI/2 BPSK	1	137		13.95			
100	PI/2 BPSK	1	271		13.77			
100	PI/2 BPSK	135	0		13.82		14.5	0.0
100	PI/2 BPSK	135	69		13.95		14.5	0.0
100	PI/2 BPSK	135	138		13.96		14.5	0.0
100	PI/2 BPSK	270	0		13.92			
100	QPSK	1	1		13.98		14.5	0.0
100	QPSK	1	137		13.91			
100	QPSK	1	271		13.70			
100	QPSK	135	0		13.92		14.5	0.0
100	QPSK	135	69		13.98		14.5	0.0
100	QPSK	135	138		13.86		14.5	0.0
100	QPSK	270	0		13.97			
100	16QAM	1	1		13.86		14.5	0.0
100	64QAM	1	1		13.83		14.5	0.0
100	256QAM	1	1		13.84		14.5	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	13.72	13.90	13.94	14.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	13.76	13.79	13.93	14.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	13.78	13.93	13.75	14.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	13.74	13.83	13.78	14.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	13.77	13.89	13.81	14.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	13.94	13.76	13.77	14.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	13.72	13.76	13.94	14.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	13.89	13.77	13.73	14.5	0.0

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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					633334		14.5	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		13.94		14.5	0.0
100	PI/2 BPSK	1	137		13.90			
100	PI/2 BPSK	1	271		13.80			
100	PI/2 BPSK	135	0		13.80		14.5	0.0
100	PI/2 BPSK	135	69		13.96		14.5	0.0
100	PI/2 BPSK	135	138		13.99		14.5	0.0
100	PI/2 BPSK	270	0		13.77			
100	QPSK	1	1		14.06		14.5	0.0
100	QPSK	1	137		13.69			
100	QPSK	1	271		13.71			
100	QPSK	135	0		13.92		14.5	0.0
100	QPSK	135	69		14.03		14.5	0.0
100	QPSK	135	138		13.88		14.5	0.0
100	QPSK	270	0		14.01			
100	16QAM	1	1		13.82		14.5	0.0
100	64QAM	1	1		13.97		14.5	0.0
100	256QAM	1	1		13.90		14.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	13.92	13.87	13.91	14.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	13.78	13.88	13.96	14.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	13.87	13.81	13.80	14.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	13.76	13.82	13.92	14.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	13.98	13.76	13.82	14.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	13.92	13.84	13.94	14.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	13.94	13.94	13.83	14.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	13.83	13.80	13.96	14.5	0.0

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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				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		12.46		13.0	0.0
100	PI/2 BPSK	1	137		12.48			
100	PI/2 BPSK	1	271		12.41			
100	PI/2 BPSK	135	0		12.46		13.0	0.0
100	PI/2 BPSK	135	69		12.49		13.0	0.0
100	PI/2 BPSK	135	138		12.41		13.0	0.0
100	PI/2 BPSK	270	0		12.45			
100	QPSK	1	1		12.53			
100	QPSK	1	137		12.38		13.0	0.0
100	QPSK	1	271		12.46			
100	QPSK	135	0		12.44			
100	QPSK	135	69		12.52		13.0	0.0
100	QPSK	135	138		12.29		13.0	0.0
100	QPSK	270	0		12.50			
100	16QAM	1	1		12.47			
100	64QAM	1	1		12.44		13.0	0.0
100	256QAM	1	1		12.49		13.0	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	12.46	12.45	12.46	13.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	12.45	12.46	12.49	13.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	12.49	12.41	12.49	13.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	12.42	12.26	12.41	13.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	12.45	12.27	12.45	13.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	12.42	12.41	12.41	13.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	12.43	12.42	12.41	13.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	12.45	12.43	12.43	13.0	0.0

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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					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		12.52		13.0	0.0
100	PI/2 BPSK	1	137		12.59			
100	PI/2 BPSK	1	271		12.31			
100	PI/2 BPSK	135	0		12.39		13.0	0.0
100	PI/2 BPSK	135	69		12.57		13.0	0.0
100	PI/2 BPSK	135	138		12.42		13.0	0.0
100	PI/2 BPSK	270	0		12.35			
100	QPSK	1	1		12.66			
100	QPSK	1	137		12.34		13.0	0.0
100	QPSK	1	271		12.44			
100	QPSK	135	0		12.57			
100	QPSK	135	69		12.60		13.0	0.0
100	QPSK	135	138		12.44		13.0	0.0
100	QPSK	270	0		12.61			
100	16QAM	1	1		12.44			
100	64QAM	1	1		12.51		13.0	0.0
100	256QAM	1	1		12.56		13.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	12.47	12.45	12.44	13.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	12.47	12.39	12.39	13.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	12.44	12.45	12.39	13.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	12.59	12.46	12.54	13.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	12.60	12.47	12.50	13.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	12.52	12.52	12.45	13.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	12.57	12.56	12.43	13.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	12.49	12.60	12.48	13.0	0.0

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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				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		19.54		21.0	0.0
100	PI/2 BPSK	1	137		19.48			
100	PI/2 BPSK	1	271		19.62			
100	PI/2 BPSK	135	0		19.46		21.0	0.0
100	PI/2 BPSK	135	69		19.41		21.0	0.0
100	PI/2 BPSK	135	138		19.39		21.0	0.0
100	PI/2 BPSK	270	0		19.54			
100	QPSK	1	1		19.64		21.0	0.0
100	QPSK	1	137		19.44			
100	QPSK	1	271		19.55			
100	QPSK	135	0		19.54		21.0	0.0
100	QPSK	135	69		19.61		21.0	0.0
100	QPSK	135	138		19.39		21.0	0.0
100	QPSK	270	0		19.41			
100	16QAM	1	1		19.43		21.0	0.0
100	64QAM	1	1		19.52		21.0	0.0
100	256QAM	1	1		19.46		21.0	0.0
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	19.46	19.54	19.49	21.0	0.0
Channel				649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	19.48	19.46	19.55	21.0	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	19.54	19.59	19.50	21.0	0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	19.49	19.57	19.40	21.0	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	19.50	19.60	19.40	21.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	19.40	19.45	19.62	21.0	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	19.40	19.62	19.53	21.0	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	19.41	19.56	19.40	21.0	0.0

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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					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		19.57		21.0	0.0
100	PI/2 BPSK	1	137		19.40			
100	PI/2 BPSK	1	271		19.57			
100	PI/2 BPSK	135	0		19.56		21.0	0.0
100	PI/2 BPSK	135	69		19.52		21.0	0.0
100	PI/2 BPSK	135	138		19.40		21.0	0.0
100	PI/2 BPSK	270	0		19.38			
100	QPSK	1	1		19.60		21.0	0.0
100	QPSK	1	137		19.46			
100	QPSK	1	271		19.55			
100	QPSK	135	0		19.51		21.0	0.0
100	QPSK	135	69		19.56		21.0	0.0
100	QPSK	135	138		19.37		21.0	0.0
100	QPSK	270	0		19.34			
100	16QAM	1	1		19.49		21.0	0.0
100	64QAM	1	1		19.42		21.0	0.0
100	256QAM	1	1		19.43		21.0	0.0
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	19.38	19.55	19.47	21.0	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	19.42	19.39	19.45	21.0	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	19.57	19.43	19.51	21.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	19.47	19.42	19.39	21.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	19.48	19.44	19.42	21.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	19.50	19.48	19.34	21.0	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	19.53	19.55	19.44	21.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	19.43	19.51	19.40	21.0	0.0

Reduced Power Mode for 5GNR DSI 6-Standalone

n7 Ant0									
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				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	PI/2 BPSK	1	1	20.91	21.05	20.92	22.4		0.0
40	PI/2 BPSK	1	108	20.94	20.86	20.84			
40	PI/2 BPSK	1	214	20.80	20.95	20.91			
40	PI/2 BPSK	108	0	20.92	21.05	20.93			
40	PI/2 BPSK	108	54	20.84	21.03	20.94	22.4		0.0
40	PI/2 BPSK	108	108	20.97	20.89	21.00	22.4		0.0
40	PI/2 BPSK	216	0	20.80	20.87	21.03			
40	QPSK	1	1	21.09	21.15	21.01	22.4		0.0
40	QPSK	1	108	20.81	20.85	20.95			
40	QPSK	1	214	20.88	20.96	20.84			
40	QPSK	108	0	20.83	21.01	21.01			
40	QPSK	108	54	21.07	21.12	21.08	22.4		0.0
40	QPSK	108	108	20.97	20.99	20.85	22.4		0.0
40	QPSK	216	0	21.04	21.11	20.98			
40	16QAM	1	1	20.88	20.96	20.91	22.4		0.0
40	64QAM	1	1	20.45	20.46	20.38	21.5		0.9
40	256QAM	1	1	18.64	18.75	18.68	19.5		2.9
Channel				503000	507000	511000	Tune-up limit	MPR	
Frequency (MHz)				2515	2535	2555	(dBm)	(dB)	
30	PI/2 BPSK	1	1	20.90	20.95	20.93	22.4		0.0
Channel				502500	507000	511500	Tune-up limit	MPR	
Frequency (MHz)				2512.5	2535	2557.5	(dBm)	(dB)	
25	PI/2 BPSK	1	1	20.82	21.03	20.94	22.4		0.0
Channel				502000	507000	512000	Tune-up limit	MPR	
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)	
20	QPSK	1	1	20.77	20.95	20.98	22.4		0.0
Channel				501500	507000	512500	Tune-up limit	MPR	
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)	
15	QPSK	1	1	20.97	20.87	20.96	22.4		0.0
Channel				501000	507000	513000	Tune-up limit	MPR	
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)	
10	QPSK	1	1	20.93	21.07	20.84	22.4		0.0
Channel				500500	507000	513500	Tune-up limit	MPR	
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)	
5	QPSK	1	1	21.00	21.05	20.96	22.4		0.0

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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				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	20.45	20.43	20.44	21.4	0.0	
40	PI/2 BPSK	1	108	20.45	20.52	20.48			
40	PI/2 BPSK	1	214	20.41	20.49	20.37			
40	PI/2 BPSK	108	0	20.36	20.41	20.33			
40	PI/2 BPSK	108	54	20.52	20.40	20.34	21.4	0.0	
40	PI/2 BPSK	108	108	20.41	20.41	20.43	21.4	0.0	
40	PI/2 BPSK	216	0	20.41	20.31	20.29			
40	QPSK	1	1	20.54	20.62	20.51			
40	QPSK	1	108	20.29	20.35	20.47			
40	QPSK	1	214	20.51	20.44	20.50	21.4	0.0	
40	QPSK	108	0	20.35	20.35	20.41			
40	QPSK	108	54	20.52	20.58	20.53			
40	QPSK	108	108	20.49	20.40	20.49			
40	QPSK	216	0	20.42	20.55	20.50	21.4	0.0	
40	16QAM	1	1	20.40	20.46	20.35	21.4	0.0	
40	64QAM	1	1	20.51	20.48	20.44			
40	256QAM	1	1	18.71	18.84	18.64			
Channel				345000	349000	353000	Tune-up limit	MPR	
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)	
30	PI/2 BPSK	1	1	20.33	20.54	20.39	21.4	0.0	
Channel				344000	349000	354000	Tune-up limit	MPR	
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)	
20	QPSK	1	1	20.36	20.47	20.38	21.4	0.0	
Channel				343500	349000	354500	Tune-up limit	MPR	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)	
15	QPSK	1	1	20.36	20.51	20.30	21.4	0.0	
Channel				343000	349000	355000	Tune-up limit	MPR	
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)	
10	QPSK	1	1	20.36	20.41	20.46	21.4	0.0	
Channel				342500	349000	355500	Tune-up limit	MPR	
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)	
5	QPSK	1	1	20.46	20.51	20.39	21.4	0.0	

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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				518004	519000	519996	22.5	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	21.21	21.02	21.11	22.5	0.0
40	PI/2 BPSK	1	53	21.08	21.12	21.09		
40	PI/2 BPSK	1	104	21.02	21.09	21.20		
40	PI/2 BPSK	50	0	21.11	21.16	21.09	22.5	0.0
40	PI/2 BPSK	50	28	21.18	21.18	20.99	22.5	0.0
40	PI/2 BPSK	50	56	21.06	21.22	21.13	22.5	0.0
40	PI/2 BPSK	100	0	21.07	21.07	21.08		
40	QPSK	1	1	21.12	21.35	21.18	22.5	0.0
40	QPSK	1	53	21.14	21.08	21.02		
40	QPSK	1	104	21.08	21.14	21.05		
40	QPSK	50	0	21.14	21.21	21.04	22.5	0.0
40	QPSK	50	28	21.16	21.28	21.22	22.5	0.0
40	QPSK	50	56	21.14	21.08	21.19	22.5	0.0
40	QPSK	100	0	21.02	21.23	21.12		
40	16QAM	1	1	21.20	21.20	21.16	22.5	0.0
40	64QAM	1	1	21.14	21.06	21.12	22.0	0.5
40	256QAM	1	1	19.23	19.28	19.21	20.0	2.5
Channel				517002	518000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	21.09	21.09	21.13	22.5	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	21.14	21.09	21.06	22.5	0.0

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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	518598	528000	22.5	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	21.09	21.16	20.99	22.5	0.0
100	PI/2 BPSK	1	137	21.13	21.00	20.94		
100	PI/2 BPSK	1	271	20.93	21.02	21.00		
100	PI/2 BPSK	135	0	21.05	20.99	21.00	22.5	0.0
100	PI/2 BPSK	135	69	20.96	21.00	20.89	22.5	0.0
100	PI/2 BPSK	135	138	20.93	21.10	20.99	22.5	0.0
100	PI/2 BPSK	270	0	20.91	21.09	21.05		
100	QPSK	1	1	21.11	21.25	20.99	22.5	0.0
100	QPSK	1	137	21.11	20.95	21.06		
100	QPSK	1	271	21.03	21.17	21.03		
100	QPSK	135	0	21.10	20.88	21.10	22.5	0.0
100	QPSK	135	69	20.99	21.23	21.18	22.5	0.0
100	QPSK	135	138	21.13	20.99	21.05	22.5	0.0
100	QPSK	270	0	20.94	21.19	21.05		
100	16QAM	1	1	21.09	20.95	20.89	22.5	0.0
100	64QAM	1	1	20.99	20.97	21.00	22.0	0.5
100	256QAM	1	1	19.16	19.24	19.18	20.0	2.5
Channel				508200	518598	528998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	21.10	21.00	21.05	22.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	21.05	21.12	20.88	22.5	0.0
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	20.92	21.10	20.87	22.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	21.12	20.97	20.95	22.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	20.97	21.02	21.03	22.5	0.0
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	21.05	20.97	21.06	22.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	21.00	21.02	20.90	22.5	0.0



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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 166600	Power Middle Ch. / Freq. 167300	Power High Ch. / Freq. 167800	Tune-up limit (dBm)	MPR (dB)
Channel				834	836.5	838		
Frequency (MHz)								
20	PI2 BPSK	1	1	23.60	23.75	23.69		
20	PI2 BPSK	1	53	23.61	23.70	23.61	24.0	0.0
20	PI2 BPSK	1	104	23.53	23.67	23.53		
20	PI2 BPSK	50	0	23.06	23.14	23.00	23.5	0.5
20	PI2 BPSK	50	28	23.44	23.62	23.53	24.0	0.0
20	PI2 BPSK	50	56	23.01	23.08	22.93	23.5	0.5
20	PI2 BPSK	100	0	22.94	23.05	22.92		
20	QPSK	1	1	23.76	23.78	23.68		
20	QPSK	1	53	23.60	23.66	23.57	24.0	0.0
20	QPSK	1	104	23.50	23.55	23.44		
20	QPSK	50	0	22.47	22.59	22.54	23.0	1.0
20	QPSK	50	28	23.52	23.64	23.58	24.0	0.0
20	QPSK	50	56	22.43	22.52	22.40	23.0	1.0
20	QPSK	100	0	22.50	22.57	22.52	23.0	1.0
20	16QAM	1	1	22.86	22.97	22.88	23.0	1.0
20	64QAM	1	1	21.35	21.45	21.32	21.5	2.5
20	256QAM	1	1	19.35	19.42	19.29	19.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.64	23.63	23.54	24.0	0.0
Channel				166000	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.72	23.65	23.53	24.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	23.64	23.65	23.58	24.0	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 504000	Power Middle Ch. / Freq. 507000	Power High Ch. / Freq. 510000	Tune-up limit (dBm)	MPR (dB)
Channel				2520	2535	2550		
Frequency (MHz)				18.01	18.95	18.94		
40	PI2 BPSK	1	1	18.01	18.95 <td>18.94</td> <td></td> <td></td>	18.94		
40	PI2 BPSK	1	108	18.96	19.03	18.96	20.2	0.0
40	PI2 BPSK	1	214	19.08	19.12	19.03		
40	PI2 BPSK	108	0	18.98	19.05	18.93	20.2	0.0
40	PI2 BPSK	108	54	18.95	19.06	18.98	20.2	0.0
40	PI2 BPSK	108	108	18.95	19.06	18.86		
40	PI2 BPSK	216	0	19.10	18.99	18.98	20.2	0.0
40	QPSK	1	1	18.90	19.24	18.98		
40	QPSK	1	108	19.08	19.06	19.00	20.2	0.0
40	QPSK	1	214	18.90	18.15	19.05		
40	QPSK	108	0	18.92	18.99	18.89	20.2	0.0
40	QPSK	108	54	18.97	19.21	19.15	20.2	0.0
40	QPSK	108	108	18.97	19.07	18.86		
40	QPSK	216	0	18.97	19.15	18.97	20.2	0.0
40	16QAM	1	1	19.03	19.06	18.93	20.2	0.0
40	64QAM	1	1	18.88	18.95	18.89	20.2	0.0
40	256QAM	1	1	17.26	17.25	17.19	18.5	1.7
Channel				507000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	PI2 BPSK	1	1	18.94	19.13	18.96	20.2	0.0
Channel				502000	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2562.5		
25	PI2 BPSK	1	1	18.99	18.97	18.84	20.2	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	18.92	19.02	19.06	20.2	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5 <td>2535</td> <td>2562.5</td> <th></th> <th></th>	2535	2562.5		
15	QPSK	1	1	18.97	19.14	18.97	20.2	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505 <td>2535</td> <td>2565</td> <th></th> <th></th>	2535	2565		
10	QPSK	1	1	18.96	18.94	18.92	20.2	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5 <td>2535</td> <td>2567.5</td> <th></th> <th></th>	2535	2567.5		
5	QPSK	1	1	19.00	19.03	18.87	20.2	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 346000	Power Middle Ch. / Freq. 349000	Power High Ch. / Freq. 350000	Tune-up limit (dbm)	MPR (db)
Channel				1730	1745	1760		
Frequency (MHz)								
40	PI2 BPSK	1	1	21.25	21.29	21.20		
40	PI2 BPSK	1	108	21.20	21.29	21.20	22.1	0.0
40	PI2 BPSK	1	214	21.03	21.22	21.28		
40	PI2 BPSK	108	0	21.20	21.15	21.21	22.1	0.0
40	PI2 BPSK	108	54	21.22	21.30	21.30	22.1	0.0
40	PI2 BPSK	108	108	21.18	21.12	21.29	22.1	0.0
40	PI2 BPSK	216	0	21.25	21.23	21.12		
40	QPSK	1	1	21.24	21.35	21.30		
40	QPSK	1	108	21.08	21.17	21.26	22.1	0.0
40	QPSK	1	214	21.17	21.28	21.17		
40	QPSK	108	0	21.13	21.13	21.21	22.1	0.0
40	QPSK	108	54	21.19	21.22	21.16	22.1	0.0
40	QPSK	108	108	21.10	21.13	21.15	22.1	0.0
40	QPSK	216	0	21.11	21.20	21.12		
40	16QAM	1	1	21.08	21.14	21.25	22.1	0.0
40	64QAM	1	1	20.63	20.69	20.74	21.5	0.6
40	256QAM	1	1	18.65	18.64	18.62	19.5	2.6
Channel				345000	349000	350000	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				1725	1745	1765		
30	PI2 BPSK	1	1	21.25	21.24	21.11	22.1	0.0
Channel				344000	349000	354000	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				1724	1745	1770		
20	QPSK	1	1	21.24	21.29	21.15	22.1	0.0
Channel				343000	349000	354000	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	21.23	21.22	21.19	22.1	0.0
Channel				342000	349000	355000	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	21.25	21.24	21.13	22.1	0.0
Channel				341000	349000	356000	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	21.12	21.17	21.26	22.1	0.0

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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				650000	656000	662000	22.5	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	21.90	21.91	21.84	22.5	0.0
100	PI/2 BPSK	1	137	21.87	21.94	21.91		
100	PI/2 BPSK	1	271	21.82	22.02	21.88		
100	PI/2 BPSK	135	0	21.98	21.82	21.75	22.5	0.0
100	PI/2 BPSK	135	69	21.91	21.94	21.86	22.5	0.0
100	PI/2 BPSK	135	138	21.82	21.97	21.97	22.5	0.0
100	PI/2 BPSK	270	0	21.83	22.00	21.86	22.5	0.0
100	QPSK	1	1	22.08	22.14	22.07	22.5	0.0
100	QPSK	1	137	21.80	22.00	21.92		
100	QPSK	1	271	21.83	22.05	21.96		
100	QPSK	135	0	21.95	21.86	21.82	22.5	0.0
100	QPSK	135	69	22.05	22.11	22.03	22.5	0.0
100	QPSK	135	138	21.81	22.01	21.98	22.5	0.0
100	QPSK	270	0	21.83	22.09	21.94	22.5	0.0
100	16QAM	1	1	21.78	21.90	21.79	22.5	0.0
100	64QAM	1	1	21.09	21.08	20.99	21.5	1.0
100	256QAM	1	1	19.03	19.10	19.09	19.5	3.0
Channel				649668	656000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	1	21.88	21.85	21.94	22.5	0.0
Channel				649334	656000	662668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1	21.83	21.92	21.94	22.5	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	21.76	21.93	21.76	22.5	0.0
Channel				648668	656000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	1	21.92	21.95	21.78	22.5	0.0
Channel				648334	656000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	1	22.00	22.00	21.93	22.5	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	21.91	21.85	21.84	22.5	0.0
Channel				647668	656000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	1	21.86	22.03	21.94	22.5	0.0
Channel				647334	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	21.90	21.85	21.92	22.5	0.0

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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				633334				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1		22.02	22.5	0.0	
100	PI/2 BPSK	1	137		22.10			
100	PI/2 BPSK	1	271		22.04			
100	PI/2 BPSK	135	0		22.01	22.5	0.0	
100	PI/2 BPSK	135	69		22.06	22.5	0.0	
100	PI/2 BPSK	135	138		22.01	22.5	0.0	
100	PI/2 BPSK	270	0		22.08			
100	QPSK	1	1		22.19			
100	QPSK	1	137		22.09	22.5	0.0	
100	QPSK	1	271		22.04			
100	QPSK	135	0		22.01			
100	QPSK	135	69		22.16	22.5	0.0	
100	QPSK	135	138		21.99	22.5	0.0	
100	QPSK	270	0		22.15			
100	16QAM	1	1		22.05			
100	64QAM	1	1		20.84	22.5	1.0	
100	256QAM	1	1		19.04	19.5	3.0	
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	22.01	22.05	22.03	22.5	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	22.02	22.04	22.03	22.5	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	22.02	22.10	22.05	22.5	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	22.03	22.06	22.07	22.5	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	22.02	22.04	22.01	22.5	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	22.05	22.02	22.01	22.5	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	22.06	22.01	22.05	22.5	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	22.08	22.05	22.08	22.5	0.0

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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				650000	650000	650000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		22.10		22.5	0.0
100	PI/2 BPSK	1	137		21.93			
100	PI/2 BPSK	1	271		21.93			
100	PI/2 BPSK	135	0		22.09		22.5	0.0
100	PI/2 BPSK	135	69		22.07		22.5	0.0
100	PI/2 BPSK	135	138		21.91		22.5	0.0
100	PI/2 BPSK	270	0		22.00			
100	QPSK	1	1		22.12		22.5	0.0
100	QPSK	1	137		21.88			
100	QPSK	1	271		22.03			
100	QPSK	135	0		21.94		22.5	0.0
100	QPSK	135	69		22.08		22.5	0.0
100	QPSK	135	138		22.00		22.5	0.0
100	QPSK	270	0		22.07			
100	16QAM	1	1		21.94		22.5	0.0
100	64QAM	1	1		22.06		22.5	0.0
100	256QAM	1	1		21.06		21.5	1.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	21.85	21.92	21.98	22.5	0.0
Channel				648334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	21.82	22.03	22.00	22.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	21.86	21.93	21.87	22.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	22.01	21.88	22.03	22.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	22.01	22.10	22.03	22.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	21.87	22.02	21.82	22.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	21.86	21.90	21.81	22.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	22.05	21.99	21.84	22.5	0.0

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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					633334		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		22.04		22.5	0.0
100	PI/2 BPSK	1	137		21.93			
100	PI/2 BPSK	1	271		22.11			
100	PI/2 BPSK	135	0		22.10		22.5	0.0
100	PI/2 BPSK	135	69		22.01		22.5	0.0
100	PI/2 BPSK	135	138		22.04		22.5	0.0
100	PI/2 BPSK	270	0		22.02			
100	QPSK	1	1		22.22		22.5	0.0
100	QPSK	1	137		21.98			
100	QPSK	1	271		22.00			
100	QPSK	135	0		21.88		22.5	0.0
100	QPSK	135	69		22.17		22.5	0.0
100	QPSK	135	138		21.90		22.5	0.0
100	QPSK	270	0		22.12			
100	16QAM	1	1		21.96		22.5	0.0
100	64QAM	1	1		22.02		22.5	0.0
100	256QAM	1	1		21.11		21.5	1.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	21.95	22.01	21.89	22.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	21.99	22.05	21.81	22.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	21.91	22.02	21.99	22.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	22.00	21.96	21.99	22.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	21.94	22.08	21.81	22.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	21.87	21.97	21.91	22.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	21.92	21.96	21.92	22.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	21.99	22.06	21.86	22.5	0.0

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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				650000	650000	650000	20.5	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		19.87			
100	PI/2 BPSK	1	137		20.01			
100	PI/2 BPSK	1	271		19.91		20.5	0.0
100	PI/2 BPSK	135	0		20.04			
100	PI/2 BPSK	135	69		19.96			
100	PI/2 BPSK	135	138		20.03			
100	PI/2 BPSK	270	0		19.87		20.5	0.0
100	QPSK	1	1		20.10			
100	QPSK	1	137		20.02			
100	QPSK	1	271		19.80			
100	QPSK	135	0		19.91		20.5	0.0
100	QPSK	135	69		20.09			
100	QPSK	135	138		20.01			
100	QPSK	270	0		20.06			
100	16QAM	1	1		20.03		20.5	0.0
100	64QAM	1	1		19.95			
100	256QAM	1	1		19.99			
Channel				649668	650000	650334	20.5	0.0
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1		20.01	19.95	19.90	
Channel				649334	650000	650668	20.5	0.0
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1		20.05	19.91	19.99	
Channel				649000	650000	651000	20.5	0.0
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1		19.93	19.92	19.89	
Channel				648668	650000	651334	20.5	0.0
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1		20.01	20.03	19.96	
Channel				648334	650000	651668	20.5	0.0
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1		19.91	19.97	19.91	
Channel				648000	650000	652000	20.5	0.0
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1		19.98	20.01	20.02	
Channel				647668	650000	652334	20.5	0.0
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1		19.94	20.07	19.88	
Channel				647334	650000	652668	20.5	0.0
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1		19.99	19.94	19.92	

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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					633334		20.5	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		19.90			
100	PI/2 BPSK	1	137		20.04			
100	PI/2 BPSK	1	271		19.93		20.5	0.0
100	PI/2 BPSK	135	0		20.07			
100	PI/2 BPSK	135	69		20.08			
100	PI/2 BPSK	135	138		19.95			
100	PI/2 BPSK	270	0		20.02		20.5	0.0
100	QPSK	1	1		20.10			
100	QPSK	1	137		19.93			
100	QPSK	1	271		19.89			
100	QPSK	135	0		20.10		20.5	0.0
100	QPSK	135	69		20.05			
100	QPSK	135	138		19.96			
100	QPSK	270	0		20.09			
100	16QAM	1	1		20.04		20.5	0.0
100	64QAM	1	1		20.04			
100	256QAM	1	1		19.94			
Channel				633000	633334	633668	20.5	0.0
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1		19.92	19.81	19.91	
Channel				632668	633334	634000	20.5	0.0
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1		19.93	19.87	19.95	
Channel				632334	633334	634334	20.5	0.0
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1		19.94	19.85	19.85	
Channel				632000	633334	634668	20.5	0.0
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1		19.93	19.79	19.85	
Channel				631668	633334	635000	20.5	0.0
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1		19.96	19.79	19.96	
Channel				631334	633334	635334	20.5	0.0
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1		19.89	19.86	19.83	
Channel				631000	633334	635668	20.5	0.0
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1		19.90	20.00	20.01	
Channel				630668	633334	636000	20.5	0.0
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1		19.92	19.83	19.99	

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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				650000	650000	650000	18.5	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		17.85			
100	PI/2 BPSK	1	137		17.96			
100	PI/2 BPSK	1	271		17.87		18.5	0.0
100	PI/2 BPSK	135	0		17.86			
100	PI/2 BPSK	135	69		17.90			
100	PI/2 BPSK	135	138		18.01			
100	PI/2 BPSK	270	0		17.88		18.5	0.0
100	QPSK	1	1		18.06			
100	QPSK	1	137		17.92			
100	QPSK	1	271		17.86			
100	QPSK	135	0		17.98		18.5	0.0
100	QPSK	135	69		18.05			
100	QPSK	135	138		17.93			
100	QPSK	270	0		18.04			
100	16QAM	1	1		17.98		18.5	0.0
100	64QAM	1	1		17.97			
100	256QAM	1	1		17.85			
Channel				649668	650000	650334	18.5	0.0
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1		17.83	17.96		
Channel				649334	650000	650668	18.5	0.0
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1		18.01	18.02		
Channel				649000	650000	651000	18.5	0.0
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1		18.02	17.81		
Channel				648668	650000	651334	18.5	0.0
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1		17.89	18.00		
Channel				648334	650000	651668	18.5	0.0
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1		18.01	17.84		
Channel				648000	650000	652000	18.5	0.0
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1		17.85	17.98		
Channel				647668	650000	652334	18.5	0.0
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1		17.91	17.94		
Channel				647334	650000	652668	18.5	0.0
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1		17.81	17.81		

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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					633334		18.5	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		17.97			
100	PI/2 BPSK	1	137		17.94			
100	PI/2 BPSK	1	271		17.88		18.5	0.0
100	PI/2 BPSK	135	0		18.00			
100	PI/2 BPSK	135	69		18.03			
100	PI/2 BPSK	135	138		17.89			
100	PI/2 BPSK	270	0		18.04		18.5	0.0
100	QPSK	1	1		18.10			
100	QPSK	1	137		17.86			
100	QPSK	1	271		17.92			
100	QPSK	135	0		17.87		18.5	0.0
100	QPSK	135	69		18.07			
100	QPSK	135	138		17.95			
100	QPSK	270	0		18.05			
100	16QAM	1	1		17.85		18.5	0.0
100	64QAM	1	1		17.95			
100	256QAM	1	1		18.02			
Channel				633000	633334	633668	18.5	0.0
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1		17.85	17.87		
Channel				632668	633334	634000	18.5	0.0
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1		18.00	17.82		
Channel				632334	633334	634334	18.5	0.0
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1		17.94	17.94		
Channel				632000	633334	634668	18.5	0.0
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1		18.03	18.02		
Channel				631668	633334	635000	18.5	0.0
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1		17.86	18.01		
Channel				631334	633334	635334	18.5	0.0
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1		18.01	17.91		
Channel				631000	633334	635668	18.5	0.0
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1		18.00	18.04		
Channel				630668	633334	636000	18.5	0.0
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1		18.04	17.98		

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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				650000	650000	650000	21.0	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		19.54			
100	PI/2 BPSK	1	137		19.48			
100	PI/2 BPSK	1	271		19.62		21.0	0.0
100	PI/2 BPSK	135	0		19.46			
100	PI/2 BPSK	135	69		19.41			
100	PI/2 BPSK	135	138		19.39			
100	PI/2 BPSK	270	0		19.54		21.0	0.0
100	QPSK	1	1		19.64			
100	QPSK	1	137		19.44			
100	QPSK	1	271		19.55			
100	QPSK	135	0		19.54		21.0	0.0
100	QPSK	135	69		19.61			
100	QPSK	135	138		19.39			
100	QPSK	270	0		19.41			
100	16QAM	1	1		19.43		21.0	0.0
100	64QAM	1	1		19.52			
100	256QAM	1	1		19.46			
Channel				649668	650000	650334	21.0	0.0
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1		19.46	19.54		
Channel				649334	650000	650668	21.0	0.0
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1		19.48	19.46		
Channel				649000	650000	651000	21.0	0.0
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1		19.54	19.59		
Channel				648668	650000	651334	21.0	0.0
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1		19.49	19.57		
Channel				648334	650000	651668	21.0	0.0
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1		19.50	19.60		
Channel				648000	650000	652000	21.0	0.0
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1		19.40	19.45		
Channel				647668	650000	652334	21.0	0.0
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1		19.40	19.62		
Channel				647334	650000	652668	21.0	0.0
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1		19.41	19.56		

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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					633334		21.0	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		19.57			
100	PI/2 BPSK	1	137		19.40			
100	PI/2 BPSK	1	271		19.57		21.0	0.0
100	PI/2 BPSK	135	0		19.56			
100	PI/2 BPSK	135	69		19.52			
100	PI/2 BPSK	135	138		19.40			
100	PI/2 BPSK	270	0		19.38		21.0	0.0
100	QPSK	1	1		19.60			
100	QPSK	1	137		19.46			
100	QPSK	1	271		19.55			
100	QPSK	135	0		19.51		21.0	0.0
100	QPSK	135	69		19.56			
100	QPSK	135	138		19.37			
100	QPSK	270	0		19.34			
100	16QAM	1	1		19.49		21.0	0.0
100	64QAM	1	1		19.42			
100	256QAM	1	1		19.43			
Channel				633000	633334	633668	21.0	0.0
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1		19.38	19.55		
Channel				632668	633334	634000	21.0	0.0
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1		19.42	19.39		
Channel				632334	633334	634334	21.0	0.0
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1		19.57	19.43		
Channel				632000	633334	634668	21.0	0.0
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1		19.47	19.42		
Channel				631668	633334	635000	21.0	0.0
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1		19.48	19.44		
Channel				631334	633334	635334	21.0	0.0
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1		19.50	19.48		
Channel				631000	633334	635668	21.0	0.0
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1		19.53	19.55		
Channel				630668	633334	636000	21.0	0.0
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1		19.43	19.51		

Reduced Power Mode for 5GNR DSI 6-Simultaneous

n7 Ant0								
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				504000	507000	510000	22.4	0.0
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	20.91	21.05	20.92	22.4	0.0
40	PI/2 BPSK	1	108	20.94	20.86	20.84		
40	PI/2 BPSK	1	214	20.80	20.95	20.91	22.4	0.0
40	PI/2 BPSK	108	0	20.92	21.05	20.93		
40	PI/2 BPSK	108	54	20.84	21.03	20.94	22.4	0.0
40	PI/2 BPSK	108	108	20.97	20.89	21.00		
40	PI/2 BPSK	216	0	20.80	20.87	21.03	22.4	0.0
40	QPSK	1	1	21.09	21.15	21.01		
40	QPSK	1	108	20.81	20.85	20.95	22.4	0.0
40	QPSK	1	214	20.88	20.96	20.84		
40	QPSK	108	0	20.83	21.01	21.01	22.4	0.0
40	QPSK	108	54	21.07	21.12	21.08		
40	QPSK	108	108	20.97	20.99	20.85	22.4	0.0
40	QPSK	216	0	21.04	21.11	20.98		
40	16QAM	1	1	20.88	20.96	20.91	22.4	0.0
40	64QAM	1	1	20.45	20.46	20.38		
40	256QAM	1	1	18.64	18.75	18.68	19.5	2.9
Channel				503000	507000	511000	22.4	0.0
Frequency (MHz)				2515	2535	2555		
30	PI/2 BPSK	1	1	20.90	20.95	20.93	22.4	0.0
Channel				502500	507000	511500		
Frequency (MHz)				2512.5	2535	2557.5	22.4	0.0
25	PI/2 BPSK	1	1	20.82	21.03	20.94		
Channel				502000	507000	512000	22.4	0.0
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	20.77	20.95	20.98	22.4	0.0
Channel				501500	507000	512500		
Frequency (MHz)				2507.5	2535	2562.5	22.4	0.0
15	QPSK	1	1	20.97	20.87	20.96		
Channel				501000	507000	513000	22.4	0.0
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	20.93	21.07	20.84	22.4	0.0
Channel				500500	507000	513500		
Frequency (MHz)				2502.5	2535	2567.5	22.4	0.0
5	QPSK	1	1	21.00	21.05	20.96		

n66 Ant0								
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				346000	349000	352000	21.4	0.0
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	20.45	20.43	20.44	21.4	0.0
40	PI/2 BPSK	1	108	20.45	20.52	20.48		
40	PI/2 BPSK	1	214	20.41	20.49	20.37	21.4	0.0
40	PI/2 BPSK	108	0	20.36	20.41	20.33		
40	PI/2 BPSK	108	54	20.52	20.40	20.34	21.4	0.0
40	PI/2 BPSK	108	108	20.41	20.41	20.43		
40	PI/2 BPSK	216	0	20.41	20.31	20.29	21.4	0.0
40	QPSK	1	1	20.54	20.62	20.51		
40	QPSK	1	108	20.29	20.35	20.47	21.4	0.0
40	QPSK	1	214	20.51	20.44	20.50		
40	QPSK	108	0	20.35	20.35	20.41	21.4	0.0
40	QPSK	108	54	20.52	20.58	20.53		
40	QPSK	108	108	20.49	20.40	20.49	21.4	0.0
40	QPSK	216	0	20.42	20.55	20.50		
40	16QAM	1	1	20.40	20.46	20.35	21.4	0.0
40	64QAM	1	1	20.51	20.48	20.44		
40	256QAM	1	1	18.71	18.84	18.64	19.5	1.9
Channel				345000	349000	353000	21.4	0.0
Frequency (MHz)				1725	1745	1765		
30	PI/2 BPSK	1	1	20.33	20.54	20.39	21.4	0.0
Channel				344000	349000	354000		
Frequency (MHz)				1720	1745	1770	21.4	0.0
20	QPSK	1	1	20.36	20.47	20.38		
Channel				343500	349000	354500	21.4	0.0
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	20.36	20.51	20.30	21.4	0.0
Channel				343000	349000	355000		
Frequency (MHz)				1715	1745	1775	21.4	0.0
10	QPSK	1	1	20.36	20.41	20.46		
Channel				342500	349000	355500	21.4	0.0
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	20.46	20.51	20.39	21.4	0.0

n38 Ant0								
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				518004	519000	519996	22.5	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	21.21	21.02	21.11	22.5	0.0
40	PI/2 BPSK	1	53	21.08	21.12	21.09		
40	PI/2 BPSK	1	104	21.02	21.09	21.20		
40	PI/2 BPSK	50	0	21.11	21.16	21.09		
40	PI/2 BPSK	50	28	21.18	21.18	20.99	22.5	0.0
40	PI/2 BPSK	50	56	21.06	21.22	21.13	22.5	0.0
40	PI/2 BPSK	100	0	21.07	21.07	21.08		
40	QPSK	1	1	21.12	21.35	21.18	22.5	0.0
40	QPSK	1	53	21.14	21.08	21.02		
40	QPSK	1	104	21.08	21.14	21.05		
40	QPSK	50	0	21.14	21.21	21.04		
40	QPSK	50	28	21.16	21.28	21.22	22.5	0.0
40	QPSK	50	56	21.14	21.08	21.19	22.5	0.0
40	QPSK	100	0	21.02	21.23	21.12		
40	16QAM	1	1	21.20	21.20	21.16	22.5	0.0
40	64QAM	1	1	21.14	21.06	21.12	22.0	0.5
40	256QAM	1	1	19.23	19.28	19.21	20.0	2.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	21.03	21.00	21.13	22.5	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	21.14	21.09	21.08	22.5	0.0

n41 Ant0								
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	518598	528000	22.5	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	21.09	21.16	20.99	22.5	0.0
100	PI/2 BPSK	1	137	21.13	21.00	20.94		
100	PI/2 BPSK	1	271	20.93	21.02	21.00		
100	PI/2 BPSK	135	0	21.05	20.99	21.00		
100	PI/2 BPSK	135	69	20.96	21.00	20.89	22.5	0.0
100	PI/2 BPSK	135	138	20.93	21.10	20.99	22.5	0.0
100	PI/2 BPSK	270	0	20.91	21.09	21.05		
100	QPSK	1	1	21.11	21.25	20.99	22.5	0.0
100	QPSK	1	137	21.11	20.95	21.06		
100	QPSK	1	271	21.03	21.17	21.03		
100	QPSK	135	0	21.10	20.98	21.10		
100	QPSK	135	69	20.99	21.23	21.18	22.5	0.0
100	QPSK	135	138	21.13	20.99	21.05	22.5	0.0
100	QPSK	270	0	20.94	21.19	21.05		
100	16QAM	1	1	21.09	20.95	20.89	22.5	0.0
100	64QAM	1	1	20.99	20.97	21.00	22.0	0.5
100	256QAM	1	1	19.16	19.24	19.18	20.0	2.5
Channel				508200	518598	528998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	21.10	21.00	21.05	22.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	21.05	21.12	20.88	22.5	0.0
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	20.92	21.10	20.87	22.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	21.12	20.97	20.95	22.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	20.97	21.02	21.03	22.5	0.0
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	21.05	20.97	21.06	22.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	21.00	21.02	20.90	22.5	0.0

n5 Ant1								
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	24.0	0.0
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	23.60	23.75	23.69	24.0	0.0
20	PI/2 BPSK	1	53	23.61	23.70	23.61		
20	PI/2 BPSK	1	104	23.53	23.57	23.53		
20	PI/2 BPSK	50	0	23.06	23.14	23.00	23.5	0.5
20	PI/2 BPSK	50	28	23.48	23.62	23.53	24.0	0.0
20	PI/2 BPSK	50	58	23.01	23.08	22.93	23.5	0.5
20	PI/2 BPSK	100	0	22.94	23.05	22.92		
20	QPSK	1	1	23.76	23.78	23.68	24.0	0.0
20	QPSK	1	53	23.60	23.68	23.57		
20	QPSK	1	104	23.50	23.55	23.44		
20	QPSK	50	0	22.47	22.59	22.54	23.0	1.0
20	QPSK	50	28	23.52	23.64	23.58	24.0	0.0
20	QPSK	50	58	22.43	22.52	22.40	23.0	1.0
20	QPSK	100	0	22.50	22.57	22.52		
20	16QAM	1	1	22.86	22.97	22.88	23.0	1.0
20	64QAM	1	1	21.35	21.45	21.32	21.5	2.5
20	256QAM	1	1	19.35	19.42	19.29	19.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.64	23.63	23.54	24.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.72	23.65	23.53	24.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	23.64	23.66	23.58	24.0	0.0

n7 Ant1								
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				504000	507000	510000	19.7	0.0
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	18.55	18.44	18.36	19.7	0.0
40	PI/2 BPSK	1	108	18.43	18.50	18.42		
40	PI/2 BPSK	1	214	18.64	18.54	18.55		
40	PI/2 BPSK	108	0	18.58	18.37	18.31	19.7	0.0
40	PI/2 BPSK	108	54	18.37	18.61	18.36	19.7	0.0
40	PI/2 BPSK	108	108	18.37	18.53	18.28	19.7	0.0
40	PI/2 BPSK	216	0	18.49	18.52	18.40		
40	QPSK	1	1	18.36	18.73	18.53	19.7	0.0
40	QPSK	1	108	18.52	18.50	18.54		
40	QPSK	1	214	18.41	18.61	18.44		
40	QPSK	108	0	18.45	18.51	18.37	19.7	0.0
40	QPSK	108	54	18.40	18.70	18.37	19.7	0.0
40	QPSK	108	108	18.52	18.51	18.30	19.7	0.0
40	QPSK	216	0	18.45	18.65	18.37		
40	16QAM	1	1	18.56	18.58	18.33	19.7	0.0
40	64QAM	1	1	18.38	18.49	18.30	19.7	0.0
40	256QAM	1	1	16.81	16.85	16.78	16.5	1.2
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	PI/2 BPSK	1	1	18.39	18.48	18.56	19.7	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	PI/2 BPSK	1	1	18.43	18.63	18.44	19.7	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	18.54	18.56	18.46	19.7	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	18.42	18.47	18.54	19.7	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	18.54	18.83	18.44	19.7	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	18.45	18.56	18.53	19.7	0.0

n66 Ant1								
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				346000	349000	352000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	20.46	20.60	20.55	21.6	0.0
40	PI/2 BPSK	1	108	20.67	20.60	20.58		
40	PI/2 BPSK	1	214	20.56	20.63	20.54		
40	PI/2 BPSK	108	0	20.70	20.67	20.69		
40	PI/2 BPSK	108	54	20.65	20.68	20.51	21.6	0.0
40	PI/2 BPSK	108	108	20.62	20.66	20.66	21.6	0.0
40	PI/2 BPSK	216	0	20.52	20.52	20.45		
40	QPSK	1	1	20.78	20.62	20.77	21.6	0.0
40	QPSK	1	108	20.52	20.55	20.58		
40	QPSK	1	214	20.54	20.55	20.57		
40	QPSK	108	0	20.52	20.72	20.63		
40	QPSK	108	54	20.76	20.79	20.74	21.6	0.0
40	QPSK	108	108	20.69	20.69	20.59	21.6	0.0
40	QPSK	216	0	20.63	20.78	20.68		
40	16QAM	1	1	20.53	20.73	20.57	21.6	0.0
40	64QAM	1	1	20.55	20.67	20.49	21.5	0.1
40	256QAM	1	1	16.70	18.60	16.72	19.5	2.1
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	PI/2 BPSK	1	1	20.51	20.66	20.48	21.6	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	20.48	20.50	20.48	21.6	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	20.64	20.57	20.50	21.6	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	20.61	20.64	20.59	21.6	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	20.61	20.58	20.68	21.6	0.0

Par270 n77 Ant2									
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				650000	656000	662000	22.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	21.69	21.61	21.60	22.0	0.0	
100	PI/2 BPSK	1	137	21.60	21.71	21.53			
100	PI/2 BPSK	1	271	21.62	21.49	21.57			
100	PI/2 BPSK	135	0	21.66	21.48	21.50			
100	PI/2 BPSK	135	69	21.49	21.55	21.51	22.0	0.0	
100	PI/2 BPSK	135	138	21.60	21.59	21.58	22.0	0.0	
100	PI/2 BPSK	270	0	21.55	21.52	21.49			
100	QPSK	1	1	21.62	21.75	21.56	22.0	0.0	
100	QPSK	1	137	21.64	21.53	21.71			
100	QPSK	1	271	21.69	21.51	21.66			
100	QPSK	135	0	21.56	21.67	21.64		0.0	
100	QPSK	135	69	21.62	21.72	21.55	22.0	0.0	
100	QPSK	135	138	21.71	21.51	21.57	22.0	0.0	
100	QPSK	270	0	21.66	21.71	21.52			
100	16QAM	1	1	21.54	21.59	21.67	22.0	0.0	
100	64QAM	1	1	20.51	20.54	20.49	21.5	0.5	
100	256QAM	1	1	19.04	19.20	19.00	19.5	2.5	
Channel				668668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01	22.0	0.0	
90	QPSK	1	1	21.54	21.50	21.62			
Channel				646334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02	22.0	0.0	
80	QPSK	1	1	21.68	21.52	21.50			
Channel				646000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945	22.0	0.0	
70	QPSK	1	1	21.69	21.64	21.61			
Channel				646868	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01	22.0	0.0	
60	QPSK	1	1	21.55	21.52	21.62			
Channel				646334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02	22.0	0.0	
50	QPSK	1	1	21.55	21.71	21.71			
Channel				646000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	22.0	0.0	
40	QPSK	1	1	21.57	21.51	21.57			
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01	22.0	0.0	
30	QPSK	1	1	21.59	21.62	21.65			
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02	22.0	0.0	
20	QPSK	1	1	21.70	21.49	21.56			

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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				633000		3500.01	22.0	0.0	
Frequency (MHz)				633334		3500.01			
100	PI/2 BPSK	1	1	21.58	21.58		22.0	0.0	
100	PI/2 BPSK	1	137	21.62	21.62				
100	PI/2 BPSK	1	271	21.68	21.68				
100	PI/2 BPSK	135	0	21.58	21.58				
100	PI/2 BPSK	135	69	21.62	21.62		22.0	0.0	
100	PI/2 BPSK	135	138	21.62	21.62				
100	PI/2 BPSK	270	0	21.48	21.48		22.0	0.0	
100	QPSK	1	1	21.69	21.69				
100	QPSK	1	137	21.67	21.67				
100	QPSK	1	271	21.62	21.62				
100	QPSK	135	0	21.55	21.55		22.0	0.0	
100	QPSK	135	69	21.68	21.68				
100	QPSK	135	138	21.50	21.50		22.0	0.0	
100	QPSK	270	0	21.65	21.65				
100	16QAM	1	1	21.61	21.61		22.0	0.0	
100	64QAM	1	1	20.51	20.51		21.5	0.5	
100	256QAM	1	1	19.15	19.15		19.5	2.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	22.0	0.0	
90	QPSK	1	1	21.57	21.45	21.53			
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	22.0	0.0	
80	QPSK	1	1	21.61	21.45	21.53			
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01	22.0	0.0	
70	QPSK	1	1	21.53	21.48	21.51			
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	22.0	0.0	
60	QPSK	1	1	21.53	21.59	21.55			
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	22.0	0.0	
50	QPSK	1	1	21.57	21.48	21.43			
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	22.0	0.0	
40	QPSK	1	1	21.44	21.57	21.59			
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02	22.0	0.0	
30	QPSK	1	1	21.43	21.58	21.44			
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	22.0	0.0	
20	QPSK	1	1	21.45	21.42	21.55			

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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				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		21.51		22.0	0.0
100	PI/2 BPSK	1	137		21.48			
100	PI/2 BPSK	1	271		21.32			
100	PI/2 BPSK	135	0		21.54			
100	PI/2 BPSK	135	69		21.55		22.0	0.0
100	PI/2 BPSK	135	138		21.51		22.0	0.0
100	PI/2 BPSK	270	0		21.36			
100	QPSK	1	1		21.61		22.0	0.0
100	QPSK	1	137		21.39			
100	QPSK	1	271		21.31			
100	QPSK	135	0		21.59			
100	QPSK	135	69		21.39		22.0	0.0
100	QPSK	135	138		21.44		22.0	0.0
100	QPSK	270	0		21.58			
100	16QAM	1	1		21.42		22.0	0.0
100	64QAM	1	1		21.37		22.0	0.0
100	256QAM	1	1		21.02		21.5	0.5
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	21.51	21.44	21.48	22.0	0.0
Channel				649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	21.37	21.51	21.36	22.0	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	21.33	21.40	21.31	22.0	0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	21.36	21.36	21.43	22.0	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	21.33	21.35	21.35	22.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	21.34	21.50	21.31	22.0	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	21.51	21.38	21.34	22.0	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	21.49	21.36	21.47	22.0	0.0

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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					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		21.51		22.0	0.0
100	PI/2 BPSK	1	137		21.53			
100	PI/2 BPSK	1	271		21.35			
100	PI/2 BPSK	135	0		21.38			
100	PI/2 BPSK	135	69		21.40		22.0	0.0
100	PI/2 BPSK	135	138		21.45		22.0	0.0
100	PI/2 BPSK	270	0		21.37			
100	QPSK	1	1		21.59		22.0	0.0
100	QPSK	1	137		21.50			
100	QPSK	1	271		21.51			
100	QPSK	135	0		21.37			
100	QPSK	135	69		21.56		22.0	0.0
100	QPSK	135	138		21.35		22.0	0.0
100	QPSK	270	0		21.54			
100	16QAM	1	1		21.42		22.0	0.0
100	64QAM	1	1		21.41		22.0	0.0
100	256QAM	1	1		21.04		21.5	0.5
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dbm)	(db)
90	QPSK	1	1	21.41	21.46	21.52	22.0	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dbm)	(db)
80	QPSK	1	1	21.50	21.32	21.30	22.0	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dbm)	(db)
70	QPSK	1	1	21.48	21.46	21.46	22.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dbm)	(db)
60	QPSK	1	1	21.32	21.48	21.43	22.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dbm)	(db)
50	QPSK	1	1	21.37	21.33	21.31	22.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dbm)	(db)
40	QPSK	1	1	21.33	21.44	21.53	22.0	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dbm)	(db)
30	QPSK	1	1	21.49	21.49	21.46	22.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dbm)	(db)
20	QPSK	1	1	21.46	21.33	21.44	22.0	0.0

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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				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		19.39		20.0	0.0	
100	PI/2 BPSK	1	137		18.51				
100	PI/2 BPSK	1	271		19.40				
100	PI/2 BPSK	135	0		19.54				
100	PI/2 BPSK	135	69		19.47		20.0	0.0	
100	PI/2 BPSK	135	138		19.40		20.0	0.0	
100	PI/2 BPSK	270	0		19.54		20.0	0.0	
100	QPSK	1	1		19.58		20.0	0.0	
100	QPSK	1	137		19.43				
100	QPSK	1	271		19.35				
100	QPSK	135	0		19.54				
100	QPSK	135	69		19.56		20.0	0.0	
100	QPSK	135	138		19.45		20.0	0.0	
100	QPSK	270	0		19.56		20.0	0.0	
100	16QAM	1	1		19.45		20.0	0.0	
100	64QAM	1	1		19.43		20.0	0.0	
100	256QAM	1	1		19.51		20.0	0.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01	20.0	0.0	
90	QPSK	1	1		19.43	19.55	19.47	20.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02	20.0	0.0	
80	QPSK	1	1		19.53	19.47	19.50	20.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765	20.0	0.0	
70	QPSK	1	1		19.43	19.56	19.45	20.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01	20.0	0.0	
60	QPSK	1	1		19.56	19.56	19.45	20.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02	20.0	0.0	
50	QPSK	1	1		19.42	19.47	19.47	20.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	20.0	0.0	
40	QPSK	1	1		19.56	19.50	19.43	20.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01	20.0	0.0	
30	QPSK	1	1		19.58	19.57	19.52	20.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	20.0	0.0	
20	QPSK	1	1		19.44	19.53	19.53	20.0	0.0

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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					633334		20.0	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		19.44		20.0	0.0
100	PI/2 BPSK	1	137		19.57			
100	PI/2 BPSK	1	271		19.32			
100	PI/2 BPSK	135	0		19.44	20.0		
100	PI/2 BPSK	135	69		19.47	20.0	0.0	
100	PI/2 BPSK	135	138		19.55		20.0	0.0
100	PI/2 BPSK	270	0		19.46		20.0	0.0
100	QPSK	1	1		19.60			
100	QPSK	1	137		19.45			
100	QPSK	1	271		19.42			
100	QPSK	135	0		19.58	20.0	0.0	
100	QPSK	135	69		19.59	20.0	0.0	
100	QPSK	135	138		19.31	20.0	0.0	
100	QPSK	270	0		19.60		20.0	0.0
100	16QAM	1	1		19.51	20.0		
100	64QAM	1	1		19.47	20.0		
100	256QAM	1	1		19.49	20.0		
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02	20.0	0.0
90	QPSK	1	1	19.34	19.51	19.51	20.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510	20.0	0.0
80	QPSK	1	1	19.46	19.31	19.40	20.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01	20.0	0.0
70	QPSK	1	1	19.49	19.47	19.43	20.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02	20.0	0.0
60	QPSK	1	1	19.40	19.37	19.53	20.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525	20.0	0.0
50	QPSK	1	1	19.49	19.53	19.48	20.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01	20.0	0.0
40	QPSK	1	1	19.44	19.45	19.52	20.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02	20.0	0.0
30	QPSK	1	1	19.46	19.43	19.46	20.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	20.0	0.0
20	QPSK	1	1	19.31	19.54	19.49	20.0	0.0

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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				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		17.99		18.5	0.0	
100	PI/2 BPSK	1	137		17.97				
100	PI/2 BPSK	1	271		17.92				
100	PI/2 BPSK	135	0		17.95		18.5	0.0	
100	PI/2 BPSK	135	69		17.98		18.5	0.0	
100	PI/2 BPSK	135	138		17.95		18.5	0.0	
100	PI/2 BPSK	270	0		17.87				
100	QPSK	1	1		18.06		18.5	0.0	
100	QPSK	1	137		17.99				
100	QPSK	1	271		17.78				
100	QPSK	135	0		18.01		18.5	0.0	
100	QPSK	135	69		18.04		18.5	0.0	
100	QPSK	135	138		17.94		18.5	0.0	
100	QPSK	270	0		18.05				
100	16QAM	1	1		17.88		18.5	0.0	
100	64QAM	1	1		18.01		18.5	0.0	
100	256QAM	1	1		17.96		18.5	0.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		17.92	17.89	17.98	18.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02 <th></th> <th></th>			
80	QPSK	1	1		18.00	17.97	17.97	18.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		17.95	17.95	18.00	18.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		17.98	17.94	17.98	18.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		17.88	18.07	17.95	18.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		17.88	17.94	17.94	18.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		17.89	17.88	18.06	18.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		17.87	18.00	18.04	18.5	0.0

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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					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		17.92		18.5	0.0
100	PI/2 BPSK	1	137		18.01			
100	PI/2 BPSK	1	271		17.95			
100	PI/2 BPSK	135	0		17.96			
100	PI/2 BPSK	135	69		17.98		18.5	0.0
100	PI/2 BPSK	135	138		17.96		18.5	0.0
100	PI/2 BPSK	270	0		18.03			
100	QPSK	1	1		18.07		18.5	0.0
100	QPSK	1	137		17.79			
100	QPSK	1	271		17.79			
100	QPSK	135	0		18.00			
100	QPSK	135	69		18.07		18.5	0.0
100	QPSK	135	138		17.89		18.5	0.0
100	QPSK	270	0		18.06			
100	16QAM	1	1		17.87		18.5	0.0
100	64QAM	1	1		17.89		18.5	0.0
100	256QAM	1	1		17.91		18.5	0.0
Channel				633000	633334	633668	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	17.83	17.92	17.96	18.5	0.0
Channel				632668	633334	634000	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	17.94	18.00	18.01	18.5	0.0
Channel				632334	633334	634334	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	17.91	17.81	17.99	18.5	0.0
Channel				632000	633334	634668	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	17.84	17.97	17.82	18.5	0.0
Channel				631668	633334	635000	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	17.92	17.81	17.89	18.5	0.0
Channel				631334	633334	635334	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	17.97	17.98	17.96	18.5	0.0
Channel				631000	633334	635668	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	18.01	17.99	18.01	18.5	0.0
Channel				630668	633334	636000	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	17.94	17.96	17.86	18.5	0.0

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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				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		19.54		21.0	0.0	
100	PI/2 BPSK	1	137		19.48				
100	PI/2 BPSK	1	271		19.62				
100	PI/2 BPSK	135	0		19.46				
100	PI/2 BPSK	135	69		19.41		21.0	0.0	
100	PI/2 BPSK	135	138		19.39		21.0	0.0	
100	PI/2 BPSK	270	0		19.54				
100	QPSK	1	1		19.64		21.0	0.0	
100	QPSK	1	137		19.44				
100	QPSK	1	271		19.55				
100	QPSK	135	0		19.54				
100	QPSK	135	69		19.61		21.0	0.0	
100	QPSK	135	138		19.39		21.0	0.0	
100	QPSK	270	0		19.41				
100	16QAM	1	1		19.43		21.0	0.0	
100	64QAM	1	1		19.52		21.0	0.0	
100	256QAM	1	1		19.46		21.0	0.0	
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1		19.46	19.54	19.49	21.0	0.0
Channel				649334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1		19.48	19.46	19.55	21.0	0.0
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1		19.54	19.59	19.50	21.0	0.0
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1		19.49	19.57	19.40	21.0	0.0
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1		19.50	19.60	19.40	21.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1		19.40	19.45	19.62	21.0	0.0
Channel				647668	650000	652334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	1		19.40	19.62	19.53	21.0	0.0
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1		19.41	19.56	19.40	21.0	0.0

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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					633334		21.0	0.0	
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		19.57		21.0	0.0	
100	PI/2 BPSK	1	137		19.40				
100	PI/2 BPSK	1	271		19.57				
100	PI/2 BPSK	135	0		19.56	21.0			
100	PI/2 BPSK	135	69		19.52	21.0	0.0		
100	PI/2 BPSK	135	138		19.40		21.0	0.0	
100	PI/2 BPSK	270	0		19.38				
100	QPSK	1	1		19.60		21.0	0.0	
100	QPSK	1	137		19.46				
100	QPSK	1	271		19.55				
100	QPSK	135	0		19.51	21.0			
100	QPSK	135	69		19.56	21.0	0.0		
100	QPSK	135	138		19.37		21.0	0.0	
100	QPSK	270	0		19.34				
100	16QAM	1	1		19.49		21.0	0.0	
100	64QAM	1	1		19.42		21.0	0.0	
100	256QAM	1	1		19.43		21.0	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	21.0	0.0	
90	QPSK	1	1		19.38	19.55	19.47	21.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	21.0	0.0	
80	QPSK	1	1		19.42	19.39	19.45	21.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01	21.0	0.0	
70	QPSK	1	1		19.57	19.43	19.51	21.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	21.0	0.0	
60	QPSK	1	1		19.47	19.42	19.39	21.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	21.0	0.0	
50	QPSK	1	1		19.48	19.44	19.42	21.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	21.0	0.0	
40	QPSK	1	1		19.50	19.48	19.34	21.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02	21.0	0.0	
30	QPSK	1	1		19.53	19.55	19.44	21.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	21.0	0.0	
20	QPSK	1	1		19.43	19.51	19.40	21.0	0.0



WLAN/Bluetooth Power

Ant 5+3				Full power For Head Standalone For Body-worn Standalone For Handheld Standalone For Handheld DBS Only For Handheld WWAN + non DBS		For Head DBS Only For Body-worn DBS Only		For Hotspot WWAN + non DBS For Body-worn WWAN + non DBS		For Head WWAN + non DBS		For Hotspot WWAN + DBS For Body-worn WWAN + DBS		For Head WWAN + DBS		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit
2.4GHz WLAN	802.11b 1Mbps	1	2412	20.76	22.50	17.11	19.00	14.16	16.00	15.22	17.00	10.96	12.50	12.27	14.00	100.00
		6	2437	20.67	22.50	17.02	19.00	14.07	16.00	14.97	16.50	10.87	12.50	11.97	13.50	
		11	2462	20.46	22.00	16.81	18.50	13.86	15.50	14.76	16.50	10.66	12.50	11.76	13.50	
	802.11g 6Mbps	1	2412	21.06	22.50	Not Required	19.00	Not Required	16.00	Not Required	17.00	Not Required	12.50	Not Required	14.00	99.27
		6	2437	21.07	22.50		19.00		16.00		17.00		12.50		14.00	
		11	2462	20.81	22.50		19.00		16.00		17.00		12.50		14.00	
	802.11n-HT20 MCS0	1	2412	19.61	21.50	Not Required	19.00	Not Required	16.00	Not Required	17.00	Not Required	12.50	Not Required	14.00	100.00
		6	2437	20.72	22.50		19.00		16.00		17.00		12.50		14.00	
		11	2462	17.56	19.00		18.50		15.50		16.50		12.50		14.00	
	802.11n-HT40 MCS0	3	2422	18.51	20.00	Not Required	19.00	Not Required	16.00	Not Required	17.00	Not Required	12.50	Not Required	14.00	100.00
		6	2437	18.87	20.50		19.00		16.00		17.00		12.50		14.00	
		9	2452	15.46	17.00		17.00		15.50		16.50		12.50		14.00	
	802.11ac- VHT20 MCS0	1	2412	18.86	20.50	Not Required	19.00	Not Required	16.00	Not Required	17.00	Not Required	12.50	Not Required	14.00	100.00
		6	2437	18.92	20.50		19.00		16.00		17.00		12.50		14.00	
		11	2462	17.46	19.00		18.50		15.50		16.50		12.50		14.00	
	802.11ac- VHT40 MCS0	3	2422	18.41	20.00	Not Required	19.00	Not Required	16.00	Not Required	17.00	Not Required	12.50	Not Required	14.00	100.00
		6	2437	18.81	20.50		19.00		16.00		17.00		12.50		14.00	
		9	2452	15.36	17.00		17.00		15.50		16.50		12.50		14.00	
	802.11ax- HE20 MCS0	1	2412	17.96	19.50	Not Required	18.50	Not Required	15.50	Not Required	16.50	Not Required	12.50	Not Required	14.00	100.00
		6	2437	19.12	21.00		19.00		16.00		17.00		12.50		14.00	
		11	2462	16.21	18.00		18.00		16.00		17.00		12.50		14.00	
	802.11ax- HE40 MCS0	3	2422	17.71	19.50	Not Required	18.50	Not Required	15.50	Not Required	16.50	Not Required	12.50	Not Required	14.00	100.00
		6	2437	18.57	20.00		18.50		15.50		16.50		12.50		14.00	
		9	2452	15.81	17.50		17.50		16.00		17.00		12.50		14.00	

Note: The 2.4GHz WLAN can transmit in MIMO antenna mode only and it has no SISO antenna mode.

Ant 5+4				Full power For Body-worn Standalone For Handheld Standalone For Handheld DBS Only		For Body-worn DBS Only		For Handheld WWAN + non DBS For Handheld WWAN + DBS		For Head Standalone For Body-worn WWAN+non DBS		For Hotspot WWAN+non DBS		For Head DBS Only		For Body-worn WWAN+DBS		For Hotspot WWAN+DBS		For Head WWAN+non DBS		For Head WWAN+DBS					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %			
5.2GHz WLAN	802.11a 6Mbps	36	5180	17.47	19.00	Not Required	19.00	Not Required	19.00	Not Required	17.00	Not Required	16.50	Not Required	16.00	Not Required	14.00	Not Required	13.50	Not Required	13.00	Not Required	10.00	89.93			
		44	5220	19.19	21.00		20.00		19.50		17.00		16.50		16.00		14.00		13.50		13.00		10.00				
		48	5240	19.47	21.00		20.00		19.50		17.00		16.50		16.00		14.00		13.50		13.00		10.00				
	802.11n-HT20 MCS0	36	5180	17.73	19.50	Not Required	19.50	Not Required	19.50	Not Required	17.00	Not Required	16.50	Not Required	16.00	Not Required	14.00	Not Required	13.50	Not Required	13.00	Not Required	10.00	88.87			
		44	5220	17.94	19.50		19.50		19.50		17.00		16.50		16.00		14.00		13.50		13.00		10.00				
		48	5240	18.20	20.00		20.00		19.50		17.00		16.50		16.00		14.00		13.50		13.00		10.00				
	802.11n-HT40 MCS0	36	5190	17.40	19.00	Not Required	19.00	Not Required	17.40	Not Required	17.00	Not Required	16.50	Not Required	16.00	Not Required	14.00	Not Required	13.50	Not Required	13.00	Not Required	10.00	88.56			
		46	5230	18.62	20.00		20.00		17.65		17.00		16.50		16.00		14.00		13.50		13.00		10.00				
		48	5240	17.75	19.50		19.50		18.50		17.00		16.50		16.00		14.00		13.50		13.00		10.00				
	802.11ac- VHT20 MCS0	36	5180	17.75	19.50	Not Required	19.50	Not Required	18.50	Not Required	17.00	Not Required	16.50	Not Required	16.00	Not Required	14.00	Not Required	13.50	Not Required	13.00	Not Required	10.00	88.87			
		44	5220	18.95	20.50		19.50		18.50		17.00		16.50		16.00		14.00		13.50		13.00		10.00				
		48	5240	19.22	21.00		20.00		19.00		17.00		16.50		16.00		14.00		13.50		13.00		10.00				
	802.11ac- VHT40 MCS0	36	5190	17.46	19.00	Not Required	17.40	Not Required	19.00	Not Required	17.00	Not Required	16.50	Not Required	16.00	Not Required	14.00	Not Required	13.50	Not Required	13.00	Not Required	10.00	88.56			
		46	5230	19.86	21.50		18.43		19.00		17.00		16.50		16.00		14.00		13.50		13.00		10.00				
		48	5240	17.46	19.00		18.43		19.00		17.00		16.50		16.00		14.00		13.50		13.00		10.00				
	802.11ac- VHT80 MCS0	42	5210	16.27	18.00	Not Required	18.00	Not Required	18.50	Not Required	15.32	Not Required	14.77	Not Required	14.30	Not Required	12.21	Not Required	11.77	Not Required	13.50	Not Required	11.27	13.00	8.07	10.00	86.31
		36	5180	17.45	19.00		19.00		18.50		17.00		16.50		16.00		14.00		13.50		13.00		10.00				
		44	5220	19.13	20.50		19.50		18.00		17.00		16.50		16.00		14.00		13.50		13.00		10.00				
	802.11ax- HE20 MCS0	48	5240	19.46	21.00	Not Required	19.50	Not Required	19.00	Not Required	17.00	Not Required	16.50	Not Required	16.00	Not Required	14.00	Not Required	13.50	Not Required	13.00	Not Required	10.00	89.35			
		36	5190	17.16	18.50		18.50		18.50		17.00		16.50		16.00		14.00		13.50		13.00		10.00				
		46	5230	17.91	19.50		19.50		19.00		17.00		16.50		16.00		14.00		13.50		13.00		10.00				
	802.11ax- HE40 MCS0	42	5210	16.23	18.00	Not Required	18.00	Not Required	18.00	Not Required	17.00	Not Required	16.50	Not Required	16.00	Not Required	14.00	Not Required	13.50	Not Required	13.00	Not Required	10.00	86.69			
		46	5230	17.91	19.50		19.50		19.00		17.00		16.50		16.00		14.00		13.50		13.00		10.00				
		48	5240	19.46	21.00		19.50		19.00		17.00		16.50		16.00		14.00		13.50		13.00		10.00				
	802.11ax- HE80 MCS0	42	5210	16.23	18.00	Not Required	18.00																				

Ant 5+4				Full power For Body-worn Standalone For Body-worn DBS Only For Handheld Standalone For Handheld DBS Only		For Body-worn WWAN + non DBS		For Head Standalone		For Handheld WWAN+non DBS For Handheld WWAN+DBS		For Head DBS Only		For Body-worn WWAN + DBS		For Head WWAN+non DBS		For Head WWAN+DBS		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
5.5GHz WLAN	802.11a 6Mbps	100	5500	17.62	19.00	Not Required	18.50	Not Required	17.50	Not Required	16.50	Not Required	16.00	Not Required	15.50	Not Required	13.00	Not Required	10.00	89.93
		116	5580	18.45	20.00		18.50		17.50		16.50		16.00		15.50		13.00		10.00	
		140	5700	18.64	20.50		18.50		17.50		16.50		16.00		15.50		13.00		10.00	
		144	5720	18.81	20.50		18.50		17.50		16.50		16.00		15.50		13.00		10.00	
	802.11n-HT20 MCS0	100	5500	17.48	19.00	Not Required	18.50	Not Required	17.50	Not Required	16.50	Not Required	16.00	Not Required	15.50	Not Required	13.00	Not Required	10.00	88.87
		116	5580	17.17	19.00		18.50		17.50		16.50		16.00		15.50		13.00		10.00	
		140	5700	17.30	19.00		18.50		17.50		16.50		16.00		15.50		13.00		10.00	
		144	5720	17.55	19.00		18.50		17.50		16.50		16.00		15.50		13.00		10.00	
	802.11n-HT40 MCS0	102	5510	16.94	18.50	Not Required	18.50	Not Required	17.50	Not Required	16.50	Not Required	16.00	Not Required	15.50	Not Required	13.00	Not Required	10.00	88.56
		110	5550	17.85	19.50		18.50		17.50		16.50		16.00		15.50		13.00		10.00	
		134	5670	17.74	19.50		18.50		17.50		16.50		16.00		15.50		13.00		10.00	
		142	5710	17.83	19.50		18.50		17.50		16.50		16.00		15.50		13.00		10.00	
	802.11ac- VHT20 MCS0	100	5500	18.52	20.00	Not Required	18.50	Not Required	17.50	Not Required	16.50	Not Required	16.00	Not Required	15.50	Not Required	13.00	Not Required	10.00	88.87
		116	5580	18.12	20.00		18.50		17.50		16.50		16.00		15.50		13.00		10.00	
		140	5700	18.32	20.00		18.50		17.50		16.50		16.00		15.50		13.00		10.00	
		144	5720	18.55	20.00		18.50		17.50		16.50		16.00		15.50		13.00		10.00	
	802.11ac- VHT40 MCS0	102	5510	16.98	18.50	Not Required	18.50	Not Required	17.50	Not Required	16.50	Not Required	16.00	Not Required	15.50	Not Required	13.00	Not Required	10.00	88.56
		110	5550	18.96	20.50		18.50		17.50		16.50		16.00		15.50		13.00		10.00	
		134	5670	18.74	20.50		18.50		17.50		16.50		16.00		15.50		13.00		10.00	
		142	5710	18.98	20.50		18.50		17.50		16.50		16.00		15.50		13.00		10.00	
	802.11ac- VHT80 MCS0	106	5530	16.17	17.50	Not Required	16.17	Not Required	15.72	Not Required	14.77	Not Required	14.27	Not Required	13.71	Not Required	11.17	Not Required	8.07	86.31
		122	5610	17.72	19.00		16.75		15.77		14.82		14.32		13.80		11.38		8.12	
		138	5690	17.38	19.00		16.51		15.43		14.48		13.98		13.41		10.88		7.78	
		144	5720	18.73	20.00		18.50		17.50		16.50		16.00		15.50		13.00		10.00	
	802.11ac- VHT160 MCS0	114	5570	14.76	16.50	Not Required	16.50	Not Required	16.50	Not Required	16.50	Not Required	16.00	Not Required	15.50	Not Required	13.00	Not Required	10.00	86.31
		100	5500	17.99	19.50		18.50		17.50		16.50		16.00		15.50		13.00		10.00	
		116	5580	18.35	20.00		18.50		17.50		16.50		16.00		15.50		13.00		10.00	
		140	5700	18.56	20.00		18.50		17.50		16.50		16.00		15.50		13.00		10.00	
	802.11ax- HE20 MCS0	144	5720	18.73	20.50	Not Required	18.50	Not Required	17.50	Not Required	16.50	Not Required	16.00	Not Required	15.50	Not Required	13.00	Not Required	10.00	89.35
		102	5510	17.33	18.50		18.50		17.50		16.50		16.00		15.50		13.00		10.00	
		110	5550	17.21	18.50		18.50		17.50		16.50		16.00		15.50		13.00		10.00	
		134	5670	17.10	18.50		18.50		17.50		16.50		16.00		15.50		13.00		10.00	
	802.11ax- HE40 MCS0	142	5710	17.31	18.50	Not Required	18.50	Not Required	17.50	Not Required	16.50	Not Required	16.00	Not Required	15.50	Not Required	13.00	Not Required	10.00	86.69
		106	5530	16.46	18.00		18.00		17.50		16.50		16.00		15.50		13.00		10.00	
		122	5610	16.63	18.50		18.50		17.50		16.50		16.00		15.50		13.00		10.00	
		138	5690	17.04	18.50		18.50		17.50		16.50		16.00		15.50		13.00		10.00	
	802.11ax- HE80 MCS0	138	5690	17.04	18.50	Not Required	18.50	Not Required	17.50	Not Required	16.50	Not Required	16.00	Not Required	15.50	Not Required	13.00	Not Required	10.00	86.07
114		5570	14.64	16.00	16.00		16.00		16.00		16.00		15.50		13.00		10.00			
802.11ax- HE160 MCS0	114	5570	14.64	16.00	Not Required	16.00	Not Required	16.00	Not Required	16.00	Not Required	16.00	Not Required	15.50	Not Required	13.00	Not Required	10.00	86.42	

Note: The 5GHz WLAN can transmit in MIMO antenna mode only and it has no SISO antenna mode.

Ant 5+4			Full power For Body-worn Standalone For Handheld Standalone		For Handheld DBS Only		For Head Standalone For Body-worn DBS Only		For Head DBS Only		For Handheld WWAN + non DBS For Handheld WWAN + DBS		For Hotspot WWAN+non DBS For Body-worn WWAN + non DBS		For Head WWAN+non DBS		For Hotspot WWAN+DBS For Body-worn WWAN + DBS		For Head WWAN+DBS		Duty Cycle %	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
5.8GHz WLAN	802.11a 6Mbps	149	5745	19.10	21.00		19.00		17.50		17.00		16.00		15.00		14.00		12.00		11.00	89.93
		157	5785	19.21	21.00		19.00		17.50		17.00		16.00		15.00		14.00		12.00		11.00	
		165	5825	19.10	21.00		19.00		17.50		17.00		16.00		15.00		14.00		12.00		11.00	
	802.11n-HT20 MCS0	149	5745	17.78	19.50		19.00		17.50		17.00		16.00		15.00		14.00		12.00		11.00	88.87
		157	5785	17.84	19.50		19.00		17.50		17.00		16.00		15.00		14.00		12.00		11.00	
		165	5825	17.87	19.50		19.00		17.50		17.00		16.00		15.00		14.00		12.00		11.00	
	802.11n-HT40 MCS0	151	5755	18.42	20.00	Not Required	19.00	Not Required	17.50	Not Required	17.00	Not Required	16.00	Not Required	15.00	Not Required	14.00	Not Required	12.00	Not Required	11.00	88.56
		159	5795	18.58	20.00		19.00		17.50		17.00		16.00		15.00		14.00		12.00		11.00	
	802.11ac- VHT20 MCS0	149	5745	18.76	20.50		19.00		17.50		17.00		16.00		15.00		14.00		12.00		11.00	88.87
		157	5785	18.89	20.50		19.00		17.50		17.00		16.00		15.00		14.00		12.00		11.00	
		165	5825	18.79	20.50		19.00		17.50		17.00		16.00		15.00		14.00		12.00		11.00	
	802.11ac- VHT40 MCS0	151	5755	19.31	21.00		19.00		17.50		17.00		16.00		15.00		14.00		12.00		11.00	88.56
		159	5795	19.46	21.00		19.00		17.50		17.00		16.00		15.00		14.00		12.00		11.00	
	802.11ac- VHT80 MCS0	155	5775	18.11	19.50	17.16	19.00	16.26	17.50	15.26	17.00	14.31	16.00	13.31	15.00	12.31	14.00	10.41	12.00	9.26	11.00	86.31
		149	5745	18.96	20.50		19.00		17.50		17.00		16.00		15.00		14.00		12.00		11.00	
		157	5785	19.13	20.50		19.00		17.50		17.00		16.00		15.00		14.00		12.00		11.00	
802.11ax- HE20 MCS0	165	5825	19.04	20.50		19.00		17.50		17.00		16.00		15.00		14.00		12.00		11.00	89.35	
	151	5755	17.61	19.50	Not Required	19.00	Not Required	17.50	Not Required	17.00	Not Required	16.00	Not Required	15.00	Not Required	14.00	Not Required	12.00	Not Required	11.00		
802.11ax- HE40 MCS0	159	5795	17.84	19.50		19.00		17.50		17.00		16.00		15.00		14.00		12.00		11.00	86.69	
	155	5775	17.70	19.50		19.00		17.50		17.00		16.00		15.00		14.00		12.00		11.00		
802.11ax- HE80 MCS0																					86.07	

BT BR/EDR		Ant 5				
Mode	Channel	Frequency (MHz)	Average power (dBm)			Tune-up Limit
			1Mbps	2Mbps	3Mbps	
BR / EDR	CH 00	2402	10.20	7.80	7.80	12.00
	CH 39	2441	11.00	8.70	8.70	12.50
	CH 78	2480	9.70	7.20	7.20	11.50

BLE_1M		Ant 5			
Mode	Channel	Frequency (MHz)	Average power (dBm)		Tune-up Limit
LE	CH 00	2402	7.70		9.50
	CH 19	2440	8.50		10.00
	CH 39	2480	7.00		8.50

BLE_2M		Ant 5			
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-up Limit	
LE	CH 00	2402	7.60	9.50	
	CH 19	2440	8.40	10.00	
	CH 39	2480	6.90	8.50	

BT BR/EDR		Ant 3				
Mode	Channel	Frequency (MHz)	Average power (dBm)			Tune-up Limit
			1Mbps	2Mbps	3Mbps	
BR / EDR	CH 00	2402	10.20	8.30	8.30	12.00
	CH 39	2441	11.00	8.80	8.80	12.50
	CH 78	2480	9.60	7.50	7.50	11.50

BLE_1M		Ant 3			
Mode	Channel	Frequency (MHz)	Average power (dBm)		Tune-up Limit
LE	CH 00	2402	8.40		10.00
	CH 19	2440	8.90		10.50
	CH 39	2480	7.40		9.00

BLE_2M		Ant 3			
Mode	Channel	Frequency (MHz)	Average power (dBm)		Tune-up Limit
LE	CH 00	2402	8.30		10.00
	CH 19	2440	8.80		10.50
	CH 39	2480	7.30		9.00