

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 %

<sup>E</sup> Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.



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

The detailed power table are shown as follows.

## Full Power level/Default Power level for WWAN

GSM850 Ant0 DS11&2&3 Default power

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
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	32.55	32.70	32.54	33.50	23.55	23.70	23.54	24.50
GPRS 1 Tx slot	32.54	32.68	32.82	33.50	23.54	23.68	23.52	24.50
GPRS 2 Tx slots	31.53	31.68	31.56	32.50	25.53	25.68	25.66	26.50
GPRS 3 Tx slots	29.46	29.60	29.49	30.50	25.19	25.34	25.23	26.24
GPRS 4 Tx slots	28.34	28.45	28.35	29.50	25.34	25.45	25.35	26.50
EDGE 1 Tx slot	26.20	26.23	26.17	27.50	17.20	17.23	17.17	18.50
EDGE 2 Tx slots	24.86	24.99	24.93	25.50	18.86	18.99	18.93	19.50
EDGE 3 Tx slots	22.81	22.93	22.90	24.00	18.55	18.67	18.64	19.74
EDGE 4 Tx slots	21.70	21.71	21.64	23.50	18.70	18.71	18.64	20.50

WCDMA V Ant0 DS11&2 Default power

Band	WCDMA V			Tune-up Limit (dBm)	
	4132	4182	4233		
TX Channel	4132	4182	4233		
Rx Channel	4357	4407	4458		
Frequency (MHz)	826.4	836.4	846.6		
3GPP Rel 99	AMR 12.2Kbps	24.87	25.01	24.98	25.50
3GPP Rel 99	RMC 12.2Kbps	24.90	25.04	25.01	25.50
3GPP Rel 6	HSDPA Subtest-1	24.18	24.12	24.08	24.50
3GPP Rel 6	HSDPA Subtest-2	24.13	24.12	24.05	24.50
3GPP Rel 6	HSDPA Subtest-3	23.67	23.62	23.57	24.00
3GPP Rel 6	HSDPA Subtest-4	23.63	23.60	23.55	24.00
3GPP Rel 8	DC-HSDPA Subtest-1	24.02	23.90	23.97	24.50
3GPP Rel 8	DC-HSDPA Subtest-2	23.98	23.95	23.81	24.50
3GPP Rel 8	DC-HSDPA Subtest-3	23.53	23.32	23.43	24.00
3GPP Rel 8	DC-HSDPA Subtest-4	23.49	23.36	23.33	24.00
3GPP Rel 6	HSUPA Subtest-1	24.13	24.05	24.01	24.50
3GPP Rel 6	HSUPA Subtest-2	22.22	22.05	21.99	23.00
3GPP Rel 6	HSUPA Subtest-3	23.12	23.07	23.03	24.00
3GPP Rel 6	HSUPA Subtest-4	21.66	21.66	21.59	23.00
3GPP Rel 6	HSUPA Subtest-5	23.10	23.10	23.00	25.00









**GSM1900 Ant1 DSI1&2&3 Default power**

GSM1900 TX Channel Frequency (MHz)	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	30.01	30.11	29.94	31.50	21.01	21.11	20.94	22.50
GPRS 1 Tx slot	30.30	30.10	29.93	31.50	21.30	21.10	20.93	22.50
GPRS 2 Tx slots	29.23	29.33	29.01	30.50	23.23	23.33	23.01	24.50
GPRS 3 Tx slots	26.85	26.55	26.46	27.50	22.59	22.29	22.20	23.24
GPRS 4 Tx slots	25.57	25.42	25.34	26.50	22.57	22.42	22.34	23.50
EDGE 1 Tx slot	25.78	25.43	25.33	26.50	16.78	16.43	16.33	17.50
EDGE 2 Tx slots	24.75	24.43	24.68	25.50	18.75	18.43	18.68	19.50
EDGE 3 Tx slots	22.72	22.61	22.55	23.50	18.46	18.35	18.29	19.24
EDGE 4 Tx slots	21.46	21.17	21.57	22.50	18.46	18.17	18.57	19.50

**WCDMA II Ant1 DSI1&2 Default power**

Band TX Channel Rx Channel Frequency (MHz)	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
	9262	9400	9538		1312	1419	1513	
	9662	9800	9938		1537	1638	1738	
	1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99 AMR 12.2Kbps	23.41	23.43	23.12	24.50	23.79	23.80	23.89	25.00
3GPP Rel 99 RMC 12.2Kbps	23.43	23.45	23.18	24.50	23.94	23.98	23.93	25.00
3GPP Rel 6 HSDPA Subtest-1	22.82	22.83	22.75	23.50	23.40	23.42	23.42	24.00
3GPP Rel 6 HSDPA Subtest-2	22.78	22.80	22.73	23.50	23.44	23.41	23.39	24.00
3GPP Rel 6 HSDPA Subtest-3	22.32	22.33	22.25	23.00	23.13	23.12	22.92	23.50
3GPP Rel 6 HSDPA Subtest-4	22.27	22.30	22.21	23.00	23.08	23.07	22.87	23.50
3GPP Rel 8 DC-HSDPA Subtest-1	22.67	22.62	22.64	23.50	23.25	23.30	23.23	24.00
3GPP Rel 8 DC-HSDPA Subtest-2	22.59	22.58	22.49	23.50	23.24	23.26	23.25	24.00
3GPP Rel 8 DC-HSDPA Subtest-3	22.08	22.14	22.11	23.00	23.00	22.92	22.65	23.50
3GPP Rel 8 DC-HSDPA Subtest-4	22.02	22.13	22.03	23.00	22.97	22.82	22.63	23.50
3GPP Rel 6 HSUPA Subtest-1	21.79	21.75	21.73	23.50	22.54	22.57	22.58	24.00
3GPP Rel 6 HSUPA Subtest-2	20.82	20.77	20.72	21.50	21.53	21.58	21.59	22.00
3GPP Rel 6 HSUPA Subtest-3	21.84	21.79	21.73	22.50	22.60	22.61	22.60	23.00
3GPP Rel 6 HSUPA Subtest-4	20.36	20.36	20.26	21.50	21.12	21.16	21.13	22.00
3GPP Rel 6 HSUPA Subtest-5	21.80	21.80	21.70	23.50	22.50	22.60	22.50	24.00



**GSM1900 Ant2 DSI1&2&4 Default power**

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	28.47	28.50	28.44	29.50	19.47	19.50	19.44	20.50
GPRS 1 Tx slot	28.69	28.48	28.52	29.50	19.69	19.48	19.52	20.50
GPRS 2 Tx slots	27.61	27.73	27.83	28.50	21.61	21.73	21.83	22.50
GPRS 3 Tx slots	25.30	24.93	24.95	25.50	21.04	20.67	20.69	21.24
GPRS 4 Tx slots	24.06	23.81	23.78	24.50	21.06	20.81	20.78	21.50
EDGE 1 Tx slot	24.04	23.70	23.69	24.50	15.04	14.70	14.69	15.50
EDGE 2 Tx slots	23.01	22.76	22.64	23.50	17.01	16.76	16.64	17.50
EDGE 3 Tx slots	20.89	20.62	20.53	21.50	16.63	16.36	16.27	17.24
EDGE 4 Tx slots	19.56	19.47	19.17	20.50	16.56	16.47	16.17	17.50

**WCDMA IV Ant2 DSI1&2&4 Default power**

Band	WCDMA IV			Tune-up Limit (dBm)
	1312	1413	1513	
TX Channel	1312	1413	1513	
Rx Channel	1537	1638	1738	
Frequency (MHz)	1712.4	1732.6	1752.6	
3GPP Rel 99 AMR 12.2Kbps	23.07	23.39	23.26	24.50
3GPP Rel 99 RMC 12.2Kbps	23.16	23.50	23.42	24.50
3GPP Rel 6 HSDPA Subtest-1	22.19	22.26	22.40	23.50
3GPP Rel 6 HSDPA Subtest-2	22.16	22.26	22.42	23.50
3GPP Rel 6 HSDPA Subtest-3	21.88	21.97	21.98	23.00
3GPP Rel 6 HSDPA Subtest-4	21.83	21.94	21.90	23.00
3GPP Rel 8 DC-HSDPA Subtest-1	22.02	22.09	22.25	23.50
3GPP Rel 8 DC-HSDPA Subtest-2	21.95	22.03	22.14	23.50
3GPP Rel 8 DC-HSDPA Subtest-3	21.70	21.71	21.80	23.00
3GPP Rel 8 DC-HSDPA Subtest-4	21.67	21.71	21.79	23.00
3GPP Rel 6 HSUPA Subtest-1	22.33	22.46	22.60	23.50
3GPP Rel 6 HSUPA Subtest-2	20.31	20.44	20.55	21.50
3GPP Rel 6 HSUPA Subtest-3	21.36	21.47	21.62	22.50
3GPP Rel 6 HSUPA Subtest-4	19.87	20.00	20.12	21.50
3GPP Rel 6 HSUPA Subtest-5	22.30	22.40	22.50	23.50







**GSM850 Ant4 DSI1&2&4 Default power**

GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	31.49	31.60	31.36	32.50	22.49	22.60	22.36	23.50
GPRS 1 Tx slot	31.48	31.59	31.34	32.50	22.48	22.59	22.34	23.50
GPRS 2 Tx slots	30.48	30.60	30.37	31.50	24.48	24.50	24.37	25.50
GPRS 3 Tx slots	28.43	28.51	28.33	29.50	24.17	24.25	24.07	25.24
GPRS 4 Tx slots	27.28	27.35	27.24	28.50	24.28	24.35	24.24	25.50
EDGE 1 Tx slot	25.17	24.92	24.86	25.50	18.17	15.92	15.86	16.50
EDGE 2 Tx slots	23.91	23.55	23.62	24.50	17.91	17.55	17.62	18.50
EDGE 3 Tx slots	21.80	21.56	21.54	22.50	17.54	17.30	17.28	18.24
EDGE 4 Tx slots	20.65	20.50	20.55	21.50	17.65	17.50	17.55	18.50

**GSM1900 Ant4 DSI2&4 Default power**

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1860	1909.8		1850.2	1860	1909.8	
GSM 1 Tx slot	28.30	28.04	28.00	29.00	19.30	19.04	19.00	20.00
GPRS 1 Tx slot	28.35	28.04	27.91	29.00	19.35	19.04	18.91	20.00
GPRS 2 Tx slots	27.14	27.22	27.20	28.50	21.14	21.22	21.20	22.50
GPRS 3 Tx slots	24.83	24.68	24.56	25.50	20.57	20.42	20.30	21.24
GPRS 4 Tx slots	23.69	23.49	23.40	24.50	20.69	20.49	20.40	21.50
EDGE 1 Tx slot	23.91	23.71	23.41	24.50	14.91	14.71	14.41	15.50
EDGE 2 Tx slots	22.79	22.66	22.45	23.50	16.79	16.66	16.45	17.50
EDGE 3 Tx slots	20.78	20.62	20.51	21.50	16.52	16.36	16.25	17.24
EDGE 4 Tx slots	19.50	19.32	19.13	20.50	16.50	16.32	16.13	17.50

**WCDMA II Ant4 DSI2 Default power**

**WCDMA IV Ant4 DSI2 Default power**

**WCDMA V Ant4 DSI2&4 Default power**

Band TX Channel	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel	9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)	1852.4	1860	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99 AMR 12.2Kops	24.78	25.19	25.06	25.50	23.21	23.35	23.27	24.50	23.41	23.55	23.48	24.50
3GPP Rel 99 RMC 12.2Kops	24.80	25.20	25.10	25.50	23.22	23.39	23.29	24.50	23.45	23.57	23.51	24.50
3GPP Rel 6 HSDPA Subtest-1	24.37	24.23	24.04	24.50	22.27	22.29	22.37	23.50	23.44	23.04	23.06	23.50
3GPP Rel 6 HSDPA Subtest-2	24.34	24.19	24.03	24.50	22.29	22.30	22.37	23.50	22.46	22.55	22.60	23.50
3GPP Rel 6 HSDPA Subtest-3	23.87	23.75	23.55	24.00	21.97	22.01	21.90	23.00	22.42	22.52	22.59	23.00
3GPP Rel 6 HSDPA Subtest-4	23.80	23.68	23.51	24.00	21.96	21.98	21.87	23.00	22.00	22.03	22.11	23.00
3GPP Rel 8 DC-HSDPA Subtest-1	24.26	24.16	23.95	24.50	22.16	22.11	22.28	23.50	23.32	23.35	23.40	23.50
3GPP Rel 8 DC-HSDPA Subtest-2	24.20	24.09	23.80	24.50	22.21	22.20	22.13	23.50	22.23	22.44	22.42	23.50
3GPP Rel 8 DC-HSDPA Subtest-3	23.76	23.59	23.31	24.00	21.92	21.84	21.68	23.00	22.19	22.32	22.51	23.00
3GPP Rel 8 DC-HSDPA Subtest-4	23.71	23.54	23.36	24.00	21.74	21.78	21.77	23.00	21.94	21.96	22.06	23.00
3GPP Rel 8 HSUPA Subtest-1	23.33	23.23	23.04	24.50	22.44	22.47	22.58	23.50	20.40	20.53	20.52	23.50
3GPP Rel 8 HSUPA Subtest-2	22.32	22.21	21.96	22.50	20.42	20.44	20.55	21.50	20.43	20.50	20.53	21.50
3GPP Rel 6 HSUPA Subtest-3	23.33	23.21	23.03	23.50	21.62	21.60	21.62	22.50	21.46	21.52	21.56	22.50
3GPP Rel 6 HSUPA Subtest-4	21.89	21.72	21.51	22.50	20.01	20.02	20.11	21.50	20.00	20.10	20.14	21.50
3GPP Rel 6 HSUPA Subtest-5	23.30	23.20	23.00	24.50	22.40	22.40	22.50	23.50	21.40	21.50	21.50	23.50









## Reduced power level for WWAN

		WCDMA V Arit0 DS13			
Band		WCDMA V			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	24.08	24.10	24.10	25.00
3GPP Rel 99	RMC 12.2Kbps	24.16	24.37	24.30	25.00
3GPP Rel 6	HSDPA Subtest-1	23.05	23.47	23.36	24.00
3GPP Rel 6	HSDPA Subtest-2	23.16	23.28	23.35	24.00
3GPP Rel 6	HSDPA Subtest-3	22.71	22.97	22.85	23.50
3GPP Rel 6	HSDPA Subtest-4	22.65	22.86	22.80	23.50
3GPP Rel 6	DC-HSDPA Subtest-1	23.14	23.36	23.25	24.00
3GPP Rel 6	DC-HSDPA Subtest-2	23.27	23.41	23.36	24.00
3GPP Rel 6	DC-HSDPA Subtest-3	22.66	22.85	22.70	23.50
3GPP Rel 6	DC-HSDPA Subtest-4	22.61	22.88	22.85	23.50
3GPP Rel 6	HSUPA Subtest-1	23.06	23.36	23.36	24.00
3GPP Rel 6	HSUPA Subtest-2	21.15	21.44	21.33	22.50
3GPP Rel 6	HSUPA Subtest-3	22.05	22.34	22.36	23.50
3GPP Rel 6	HSUPA Subtest-4	21.16	21.29	21.24	22.50
3GPP Rel 6	HSUPA Subtest-6	23.28	23.30	23.26	24.50









Band 41 Ant0 DS1S

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch / Freq, Power High Ch / Freq, Power Mid Ch / Freq, Power Avg Ch / Freq, Tune-up limit (dBm), MPR (dB). Includes sub-tables for Channel, Frequency (MHz), and sub-carriers (20, 40, 60, 80, 100, 120, 140, 160, 180, 200).

Band 41 Ant0 DS1S For ENDC

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch / Freq, Power High Ch / Freq, Power Mid Ch / Freq, Power Avg Ch / Freq, Tune-up limit (dBm), MPR (dB). Includes sub-tables for Channel, Frequency (MHz), and sub-carriers (15, 30, 45, 60, 75, 90, 105, 120, 135, 150, 165, 180, 195, 210, 225, 240, 255).

Band 41 Ant0 DS1S For ENDC

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch / Freq, Power High Ch / Freq, Power Mid Ch / Freq, Power Avg Ch / Freq, Tune-up limit (dBm), MPR (dB). Includes sub-tables for Channel, Frequency (MHz), and sub-carriers (10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, 140, 150, 160, 170, 180, 190, 200, 210, 220, 230, 240, 250, 260, 270, 280, 290, 300).

		WCDMA II Ant1 DS13			WCDMA IV Ant1 DS13				
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9562	9700	9838	1537	1638	1738		
Frequency (MHz)		1852.4	1880	1907.6	1712.4	1732.6	1752.6		
3GPP Rel 99	AMR 12.2Kbps	21.39	21.51	21.24	22.50	21.81	21.81	21.75	23.00
3GPP Rel 99	RMC 12.2Kbps	21.42	21.53	21.21	22.50	22.01	22.03	21.91	23.00
3GPP Rel 6	HSDPA Subtest-1	20.78	20.84	20.86	21.50	21.32	21.49	21.42	22.00
3GPP Rel 6	HSDPA Subtest-2	20.89	20.89	20.65	21.50	21.35	21.49	21.42	22.00
3GPP Rel 6	HSDPA Subtest-3	20.39	20.36	20.25	21.00	21.14	21.15	21.02	21.50
3GPP Rel 6	HSDPA Subtest-4	20.31	20.22	20.21	21.00	21.18	21.13	20.95	21.50
3GPP Rel 6	DC-HSDPA Subtest-1	20.63	20.69	20.66	21.50	21.19	21.32	21.25	22.00
3GPP Rel 6	DC-HSDPA Subtest-2	20.55	20.61	20.53	21.50	21.34	21.32	21.22	22.00
3GPP Rel 6	DC-HSDPA Subtest-3	20.00	20.07	20.11	21.00	20.95	20.97	20.61	21.50
3GPP Rel 6	DC-HSDPA Subtest-4	19.90	20.16	19.92	21.00	20.93	20.73	20.52	21.50
3GPP Rel 6	HSUPA Subtest-1	19.67	19.88	19.68	21.50	20.51	20.68	20.52	22.00
3GPP Rel 6	HSUPA Subtest-2	18.76	18.69	18.74	19.50	19.50	19.55	19.71	20.00
3GPP Rel 6	HSUPA Subtest-3	19.83	19.78	19.65	20.50	20.57	20.72	20.71	21.00
3GPP Rel 6	HSUPA Subtest-4	18.24	18.28	18.21	19.50	19.04	19.18	19.04	20.00
3GPP Rel 6	HSUPA Subtest-5	19.68	19.74	19.79	21.50	20.41	20.48	20.47	22.00





Band 2 Ant1 DSI3

Table with columns: 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). Contains multiple channel frequency lists for various modulation types and power levels.

Band 2 Ant1 DSI3 For ENDC

Table with columns: 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). Contains multiple channel frequency lists for various modulation types and power levels.

Band 4 Ant1 DSI3

Table with columns: 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). Contains multiple channel frequency lists for various modulation types and power levels.







**GSM1900 AnH DSI1**

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1850	1909.8		1850.2	1850	1909.8	
GSM 1 Tx slot	26.17	26.20	26.14	27.00	17.17	17.20	17.14	18.00
GPRS 1 Tx slot	26.35	26.19	26.13	27.00	17.35	17.19	17.13	18.00
GPRS 2 Tx slot	27.14	27.12	27.20	28.50	21.14	21.12	21.20	22.50
GPRS 3 Tx slot	24.83	24.68	24.56	25.50	20.57	20.42	20.30	21.24
GPRS 4 Tx slot	23.69	23.49	23.40	24.50	20.69	20.49	20.40	21.50
EDGE 1 Tx slot	23.91	23.71	23.41	24.50	14.91	14.71	14.41	15.50
EDGE 2 Tx slot	22.79	22.66	22.45	23.50	16.79	16.66	16.45	17.50
EDGE 3 Tx slot	20.78	20.62	20.51	21.50	16.52	16.36	16.25	17.24
EDGE 4 Tx slot	19.50	19.32	19.13	20.50	16.50	16.32	16.13	17.50

**WCDMA II AnH DSI1**

**WCDMA IV AnH DSI1**

**WCDMA V AnH DSI1**

Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1513		4132	4182	4233		
TX Channel	9262	9400	9538		1312	1413	1513		4132	4182	4233		
Rx Channel	9662	9800	9938		1537	1638	1738		4357	4407	4458		
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6		
3GPP Rel 99	AMR 12.2Kbps	18.94	19.24	19.05	19.50	18.02	17.98	17.95	19.50	22.26	22.44	22.33	23.50
3GPP Rel 99	RMC 12.2Kbps	18.95	19.26	19.07	19.50	18.06	18.16	18.10	19.50	22.47	22.55	22.46	23.50
3GPP Rel 6	HSDPA Subtest-1	17.99	18.31	18.01	18.50	17.06	17.10	17.04	18.50	21.57	21.56	21.57	22.50
3GPP Rel 6	HSDPA Subtest-2	17.87	18.22	18.08	18.50	17.13	17.17	16.99	18.50	21.44	21.55	21.54	22.50
3GPP Rel 6	HSDPA Subtest-3	17.59	17.65	17.59	18.00	16.59	16.68	16.56	18.00	20.98	21.08	21.04	22.00
3GPP Rel 6	HSDPA Subtest-4	17.56	17.80	17.48	18.00	16.49	16.69	16.64	18.00	21.05	21.17	20.86	22.00
3GPP Rel 8	DC-HSDPA Subtest-1	17.85	18.24	18.16	18.50	16.97	17.10	17.03	18.50	21.44	21.56	21.39	22.50
3GPP Rel 8	DC-HSDPA Subtest-2	17.89	18.23	18.07	18.50	17.16	17.18	17.07	18.50	21.41	21.48	21.46	22.50
3GPP Rel 8	DC-HSDPA Subtest-3	17.42	17.79	17.62	18.00	16.64	16.70	16.58	18.00	20.87	21.09	21.01	22.00
3GPP Rel 8	DC-HSDPA Subtest-4	17.49	17.67	17.65	18.00	16.46	16.67	16.64	18.00	20.86	20.94	20.90	22.00
3GPP Rel 6	HSUPA Subtest-1	17.99	18.21	18.08	18.50	16.95	17.16	17.13	18.50	21.52	21.52	21.55	22.50
3GPP Rel 6	HSUPA Subtest-2	15.92	16.36	16.03	16.50	15.17	15.26	15.18	16.50	19.37	19.66	19.58	20.50
3GPP Rel 6	HSUPA Subtest-3	17.05	17.28	17.15	17.50	16.18	16.05	16.07	17.50	20.37	20.60	20.45	21.50
3GPP Rel 6	HSUPA Subtest-4	15.98	16.18	16.10	16.50	15.05	15.24	15.22	16.50	19.40	19.67	19.41	20.50
3GPP Rel 6	HSUPA Subtest-5	17.83	18.16	18.16	18.50	17.17	17.20	16.98	18.50	21.41	21.54	21.40	22.50













Band	WCDMA II An4 DS4			Tune-up Limit (dBm)	WCDMA IV An4 DS4			Tune-up Limit (dBm)	
	TX Channel	9262	9400		9638	1312	1419		1513
Rx Channel	9662	9800	9938		1537	1638	1738		
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		
3GPP Rel 99	AMR 12.2Kbps	22.60	22.78	22.57	23.00	22.00	22.09	22.10	23.50
3GPP Rel 99	RMC 12.2Kbps	22.69	22.87	22.62	23.00	21.93	22.29	22.19	23.50
3GPP Rel 6	HSDPA Subtest-1	21.78	21.86	21.73	22.00	21.11	21.21	21.25	22.50
3GPP Rel 6	HSDPA Subtest-2	21.65	21.72	21.60	22.00	21.10	21.17	21.25	22.50
3GPP Rel 6	HSDPA Subtest-3	21.21	21.25	21.09	21.50	20.73	20.87	20.79	22.00
3GPP Rel 6	HSDPA Subtest-4	21.44	21.37	21.07	21.50	20.69	20.80	20.66	22.00
3GPP Rel 6	DC-HSDPA Subtest-1	21.89	21.79	21.60	22.00	21.08	20.81	21.09	22.50
3GPP Rel 6	DC-HSDPA Subtest-2	21.84	21.63	21.38	22.00	20.96	20.88	20.99	22.50
3GPP Rel 6	DC-HSDPA Subtest-3	21.32	21.07	20.83	21.50	20.68	20.76	20.46	22.00
3GPP Rel 6	DC-HSDPA Subtest-4	21.29	21.16	21.04	21.50	20.51	20.66	20.58	22.00
3GPP Rel 6	HSUPA Subtest-1	20.96	20.75	20.64	22.00	21.29	21.17	21.42	22.50
3GPP Rel 6	HSUPA Subtest-2	19.90	19.76	19.70	20.00	19.13	19.15	19.30	20.50
3GPP Rel 6	HSUPA Subtest-3	20.92	20.84	20.61	21.00	20.31	20.19	20.49	21.50
3GPP Rel 6	HSUPA Subtest-4	19.38	19.40	19.16	20.00	18.75	18.81	18.91	20.50
3GPP Rel 6	HSUPA Subtest-5	20.82	20.74	20.88	22.00	21.26	21.19	21.27	22.50



Band 2 Ant4 DS14

Table with columns: 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). Contains data for various QPSK and 16QAM channels across frequencies 18700-19100.

Band 2 Ant4 DS14 For ENDC

Table with columns: 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). Contains data for various QPSK and 16QAM channels across frequencies 18700-19100.

Band 4 Ant4 DS14 For ENDC

Table with columns: 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). Contains data for various QPSK and 16QAM channels across frequencies 20050-20300.













### Downlink CA Power 2CA DL

Configure	PCC										DL Antenna Configuration	SCC				Power	
	LTE Band	Ant	UL		Mod.	UL#		UL RB	UL Offset	LTE Band		BW (MHz)	DL		DL Antenna Configuration	With CA Tx Power (dBm)	Without CA Tx Power (dBm)
			BW (MHz)	Freq. (MHz)		Channel	RB						DL Freq. (MHz)	DL Channel			
CA_2C	Band 2	1	20M	1880	18900	QPSK	1	0		Band 2	20M	1899.8	19098		23.23	23.17	
	Band 2	4	20M	1880	18900	QPSK	1	0		Band 2	20M	1899.8	19098		24.73	24.58	
CA_7C	Band 7	0	20M	2535	21100	QPSK	1	0	4xMIMO	Band 7	20M	2674.8	3298	4xMIMO	24.12	23.96	
	Band 7	2	20M	2535	21100	QPSK	1	0	4xMIMO	Band 7	20M	2674.8	3298	4xMIMO	22.83	22.78	
CA_38C	Band 38	0	20M	2595	37901	QPSK	1	0	4xMIMO	Band 38	20M	2614.8	38099	4xMIMO	24.55	24.43	
	Band 38	2	20M	2595	37901	QPSK	1	0	4xMIMO	Band 38	20M	2614.8	38099	4xMIMO	21.77	21.68	
CA_41C	Band 41	0	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	20M	2612.8	40818	4xMIMO	24.80	24.48	
	Band 41	2	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	20M	2612.8	40818	4xMIMO	21.85	21.77	
CA_2A-4A	Band 2	1	20M	1880	18900	QPSK	1	0		Band 4	20M	2132.5	2175		23.23	23.05	
	Band 2	4	20M	1880	18900	QPSK	1	0		Band 4	20M	2132.5	2175		24.73	24.66	
CA_2A-5A	Band 2	1	20M	1880	18900	QPSK	1	0		Band 2	20M	1960	900		24.34	24.21	
	Band 2	4	20M	1880	18900	QPSK	1	0		Band 2	20M	1960	900		23.33	23.17	
CA_2A-7A	Band 2	1	20M	1880	18900	QPSK	1	0		Band 2	20M	1960	900		22.95	22.81	
	Band 2	4	20M	1880	18900	QPSK	1	0		Band 2	20M	1960	900		23.23	23.12	
CA_2A-66A	Band 2	1	20M	1880	18900	QPSK	1	0		Band 66	20M	2155	66886	4xMIMO	23.23	23.11	
	Band 2	4	20M	1880	18900	QPSK	1	0		Band 66	20M	2155	66886	4xMIMO	24.73	24.58	
CA_4A-5A	Band 4	1	20M	1732.5	20175	QPSK	1	0		Band 5	10M	881.5	2525		24.43	24.21	
	Band 4	2	20M	1732.5	20175	QPSK	1	0		Band 5	10M	881.5	2525		23.33	23.16	
CA_4A-7A	Band 4	1	20M	1732.5	20175	QPSK	1	0		Band 4	20M	2132.5	2175		22.95	22.83	
	Band 4	4	20M	1732.5	20175	QPSK	1	0		Band 4	20M	2132.5	2175		24.32	24.27	
CA_5A-7A	Band 5	4	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4xMIMO	23.01	22.93	
	Band 5	1	20M	1732.5	20175	QPSK	1	0		Band 7	20M	2655	3100	4xMIMO	24.43	24.24	
CA_5A-66A	Band 5	4	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4xMIMO	23.33	23.18	
	Band 5	1	20M	1732.5	20175	QPSK	1	0		Band 7	20M	2655	3100	4xMIMO	22.95	22.82	
CA_7A-7A	Band 7	0	20M	2535	21100	QPSK	1	0	4xMIMO	Band 4	20M	2132.5	2175		24.12	24.04	
	Band 7	2	20M	2535	21100	QPSK	1	0	4xMIMO	Band 4	20M	2132.5	2175		22.83	22.83	
CA_7A-66A	Band 7	4	20M	2535	21100	QPSK	1	0	4xMIMO	Band 4	20M	2132.5	2175		23.19	23.03	
	Band 7	0	20M	2535	21100	QPSK	1	0	4xMIMO	Band 7	20M	2655	3100	4xMIMO	24.32	24.26	
CA_12A-66A	Band 12	0	10M	707.5	23095	QPSK	1	0		Band 7	20M	2655	3100	4xMIMO	23.15	23.08	
	Band 12	4	10M	707.5	23095	QPSK	1	0		Band 7	20M	2655	3100	4xMIMO	24.52	24.44	
CA_66A-66A	Band 66	1	20M	1745	132322	QPSK	1	0	4xMIMO	Band 5	10M	881.5	2525		22.83	22.71	
	Band 66	2	20M	1745	132322	QPSK	1	0	4xMIMO	Band 5	10M	881.5	2525		23.19	23.06	
CA_41A-41A	Band 41	0	20M	2593	40620	QPSK	1	0	4xMIMO	Band 66	20M	2155	66886	4xMIMO	24.32	24.20	
	Band 41	2	20M	2593	40620	QPSK	1	0	4xMIMO	Band 66	20M	2155	66886	4xMIMO	23.15	22.99	



**Full Power level/Default Power level for 5G NR  
For DFT-15**

n5_Ant0 DS11&2&3 Default power								
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				168300	167300	167900		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	23.29	23.38	23.05	25.0	0.0
20	PI/2 BPSK	1	53	23.55	23.76	23.43		
20	PI/2 BPSK	1	104	23.41	23.49	23.20		
20	PI/2 BPSK	50	0	23.02	23.34	23.03	24.5	0.5
20	PI/2 BPSK	50	28	23.63	23.80	23.53	25.0	0.0
20	PI/2 BPSK	50	56	23.10	23.27	22.92	24.5	0.5
20	PI/2 BPSK	100	0	23.18	23.30	22.93		
20	QPSK	1	1	23.80	23.84	23.66		
20	QPSK	1	53	23.85	23.89	23.64	25.0	0.0
20	QPSK	1	104	23.62	23.67	23.39		
20	QPSK	50	0	22.70	22.75	22.78		
20	QPSK	50	28	23.58	23.77	23.40	25.0	0.0
20	QPSK	50	56	22.64	22.73	22.54	24.0	1.0
20	QPSK	100	0	22.55	22.73	22.35		
20	QPSK	1	1	22.92	22.18	22.09		
20	16QAM	1	1	20.54	20.65	20.56	24.0	1.0
20	64QAM	1	1	20.54	20.65	20.56	22.5	2.5
20	256QAM	1	1	19.32	19.38	19.26	20.5	4.5
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5	25.0	0.0
15	QPSK	1	40	23.68	23.61	23.51	25.0	0.0
Channel				168800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844	25.0	0.0
10	QPSK	1	26	23.69	23.78	23.61	25.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5	25.0	0.0
5	QPSK	1	13	23.59	23.61	23.72	25.0	0.0

n7_DS11&2 Default power								
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				502000	507000	512000		
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	23.02	23.14	23.12	25.0	0.0
20	PI/2 BPSK	1	53	23.08	23.36	23.23		
20	PI/2 BPSK	1	104	23.05	23.09	23.06		
20	PI/2 BPSK	50	0	22.62	22.97	22.86	24.5	0.5
20	PI/2 BPSK	50	28	23.11	23.36	23.42	25.0	0.0
20	PI/2 BPSK	50	56	22.61	22.75	22.69	24.5	0.5
20	PI/2 BPSK	100	0	22.75	22.83	22.79		
20	QPSK	1	1	23.38	23.45	23.48		
20	QPSK	1	53	23.36	23.63	23.54	25.0	0.0
20	QPSK	1	104	23.16	23.28	23.30		
20	QPSK	50	0	22.50	22.57	22.50		
20	QPSK	50	28	23.11	23.44	23.28	25.0	0.0
20	QPSK	50	56	22.17	22.36	22.25	24.0	1.0
20	QPSK	100	0	22.24	22.43	22.29		
20	16QAM	1	1	22.35	22.37	22.32		
20	64QAM	1	1	20.52	20.62	20.61	22.5	2.5
20	256QAM	1	1	18.82	18.94	18.93	20.5	4.5
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	25.0	0.0
15	QPSK	1	40	23.27	23.45	23.44	25.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	25.0	0.0
10	QPSK	1	26	23.16	23.44	23.40	25.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	25.0	0.0
5	QPSK	1	13	23.21	23.41	23.34	25.0	0.0



### n38\_Ant0 DS11&2 Default power

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				518044	519000	519988		
40	PI2 BPSK	1	1	24.02	23.95	23.92		
40	PI2 BPSK	1	53	24.37	24.38	24.25	25.0	0.0
40	PI2 BPSK	1	104	23.98	23.92	23.80		
40	PI2 BPSK	50	0	23.57	23.59	23.50	24.5	0.5
40	PI2 BPSK	50	28	24.02	24.08	23.98	25.0	0.0
40	PI2 BPSK	50	56	23.42	23.42	23.35	24.5	0.5
40	PI2 BPSK	100	0	23.60	23.90	23.59		
40	QPSK	1	1	23.97	24.14	24.07		
40	QPSK	1	53	24.32	24.55	24.18	25.0	0.0
40	QPSK	1	104	23.61	23.59	23.50		
40	QPSK	50	0	23.11	23.00	22.99	24.0	1.0
40	QPSK	50	28	24.04	24.08	24.01	25.0	0.0
40	QPSK	50	56	22.98	22.95	22.80	24.0	1.0
40	QPSK	100	0	22.91	22.96	22.85		
40	16QAM	1	1	22.34	22.31	22.30	24.0	1.0
40	16QAM	1	1	21.59	21.59	21.45	22.5	2.5
40	256QAM	1	1	19.52	19.58	19.32	20.5	4.5
Channel								
Frequency (MHz)				518000	519000	522000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	53	24.29	24.42	24.17	25.0	0.0
Channel								
Frequency (MHz)				518552	519000	522000	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	40	2577.51	2595	2612.49	25.0	0.0
Channel								
Frequency (MHz)				518004	519000	522996	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	26	24.21	24.41	24.05	25.0	0.0
Channel								
Frequency (MHz)				514506	519000	523494	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	13	2572.53	2595	2617.47	25.0	0.0

### PC3 n41\_Ant0 DS11 Default power

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				505004	518598	530298		
50	PI2 BPSK	1	1	21.92	22.01	21.87		
50	PI2 BPSK	1	135	21.89	21.93	22.02	23.0	0.0
50	PI2 BPSK	1	268	21.81	21.90	21.54		
50	PI2 BPSK	135	0	21.84	22.03	21.74	23.0	0.0
50	PI2 BPSK	135	68	21.95	21.82	21.90	23.0	0.0
50	PI2 BPSK	135	135	21.95	21.85	21.94	23.0	0.0
50	PI2 BPSK	270	0	21.84	22.01	21.96		
50	QPSK	1	1	21.80	22.03	21.91		
50	QPSK	1	135	21.75	22.19	21.59	23.0	0.0
50	QPSK	1	268	21.76	21.80	21.82		
50	QPSK	135	0	21.88	21.87	21.61	23.0	0.0
50	QPSK	135	68	21.91	21.94	21.85	23.0	0.0
50	QPSK	135	135	21.74	21.87	21.90	23.0	0.0
50	QPSK	270	0	21.88	21.90	21.69		
50	16QAM	1	1	21.74	21.92	21.70	23.0	0.0
50	16QAM	1	1	21.77	21.79	21.67	23.0	0.0
50	256QAM	1	1	20.48	20.59	20.52	21.5	1.5
Channel								
Frequency (MHz)				503002	518598	534000	Tune-up limit (dBm)	MPR (dB)
40	PI2 BPSK	1	108	21.67	22.18	21.59	23.0	0.0
Channel								
Frequency (MHz)				502000	518598	535598	Tune-up limit (dBm)	MPR (dB)
30	PI2 BPSK	1	80	21.60	22.18	21.52	23.0	0.0
Channel								
Frequency (MHz)				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	53	2576.07	2592.99	2619.99	23.0	0.0
Channel								
Frequency (MHz)				500700	518598	536498	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	40	2503.5	2592.99	2682.48	23.0	0.0
Channel								
Frequency (MHz)				2501.01	2592.99	2686	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	26	21.63	22.15	21.48	23.0	0.0

### PC2 n41\_Ant0 DS11 Default power

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				2521.02	2592.99	2684.99			
50	PI2 BPSK	1	1	25.03	25.16	25.06			
50	PI2 BPSK	1	135	24.79	25.10	24.86	25.5	0.0	
50	PI2 BPSK	1	268	24.96	25.19	24.92			
50	PI2 BPSK	135	0	24.32	24.48	24.51	25.0	0.5	
50	PI2 BPSK	135	68	24.62	24.89	24.76	25.5	0.0	
50	PI2 BPSK	135	135	24.21	24.42	24.11	25.0	0.5	
50	PI2 BPSK	270	0	24.26	24.25	24.06			
50	QPSK	1	1	24.98	25.18	25.08			
50	QPSK	1	135	24.77	25.25	24.88	25.5	0.0	
50	QPSK	1	268	25.03	25.07	24.93			
50	QPSK	135	0	24.01	23.91	23.77	25.5	0.0	
50	QPSK	135	68	24.97	25.07	24.77	25.5	0.0	
50	QPSK	135	135	23.95	24.10	23.88	25.5	0.0	
50	QPSK	270	0	23.56	23.63	23.57			
50	16QAM	1	1	23.37	23.76	23.74	24.5	1.0	
50	16QAM	1	1	22.28	22.48	22.58	23.0	2.5	
50	256QAM	1	1	20.51	20.43	20.44	21.0	4.5	
Channel									
Frequency (MHz)				503002	518598	534000	Tune-up limit (dBm)	MPR (dB)	
40	PI2 BPSK	1	108	24.54	25.15	24.75	25.5	0.0	
Channel									
Frequency (MHz)				502000	518598	535598	Tune-up limit (dBm)	MPR (dB)	
30	PI2 BPSK	1	80	24.66	25.20	24.79	25.5	0.0	
Channel									
Frequency (MHz)				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	53	2528.02	2592.99	2619.99	24.66	25.5	0.0
Channel									
Frequency (MHz)				500700	518598	536498	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	40	24.54	25.12	24.76	25.5	0.0	
Channel									
Frequency (MHz)				2501.01	2592.99	2686	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	26	24.80	25.17	24.83	25.5	0.0	



n66_Ant1 DSI1&2 Default power								
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	23.82	24.07	23.89		
40	PI/2 BPSK	1	108	24.09	24.35	24.15	25.5	0.0
40	PI/2 BPSK	1	214	23.79	24.07	23.92		
40	PI/2 BPSK	108	0	23.26	23.53	23.53	25.0	0.5
40	PI/2 BPSK	108	54	24.20	24.33	24.23	25.5	0.0
40	PI/2 BPSK	108	108	23.25	23.48	23.32		
40	PI/2 BPSK	216	0	23.21	23.43	23.40	25.0	0.5
40	QPSK	1	1	23.93	23.85	23.80		
40	QPSK	1	108	24.16	24.37	24.19	25.5	0.0
40	QPSK	1	214	23.93	24.13	24.02		
40	QPSK	108	0	23.09	23.10	23.00	24.5	1.0
40	QPSK	108	54	23.96	24.18	24.12	25.5	0.0
40	QPSK	108	108	23.05	23.06	22.89		
40	QPSK	216	0	23.17	23.19	23.14	24.5	1.0
40	16QAM	1	1	22.91	23.17	22.99	24.5	1.0
40	64QAM	1	1	21.52	21.67	21.50	23.0	2.5
40	256QAM	1	1	19.66	19.87	19.78	21.0	4.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	PI/2 BPSK	1	80	24.05	24.18	24.02	25.5	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	PI/2 BPSK	1	67	24.12	24.21	24.06	25.5	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	53	24.14	24.27	24.13	25.5	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	40	24.14	24.17	24.00	25.5	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	26	24.07	24.32	24.12	25.5	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	13	24.12	24.35	24.16	25.5	0.0



PC3 n77_Ant1 DSI1&2 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3725.01	3840	3955.02			
50	Pl2 BPSK	1	1	18.59	18.59	18.59			
50	Pl2 BPSK	1	135	19.35	19.46	19.41	20.5	0.0	
50	Pl2 BPSK	1	268	18.63	18.50	18.64			
50	Pl2 BPSK	135	0	19.19	19.39	19.36	20.5	0.0	
50	Pl2 BPSK	135	68	19.29	19.50	19.48	20.5	0.0	
50	Pl2 BPSK	135	135	19.35	19.59	19.22	20.5	0.0	
50	Pl2 BPSK	270	0	19.25	19.49	19.25			
50	QPSK	1	1	18.59	18.63	18.52			
50	QPSK	1	135	19.50	19.08	19.98	20.5	0.0	
50	QPSK	1	268	18.80	18.64	18.56			
50	QPSK	135	0	19.44	19.51	19.51	20.5	0.0	
50	QPSK	135	68	18.38	18.57	18.53	20.5	0.0	
50	QPSK	135	135	18.37	19.40	19.20	20.5	0.0	
50	QPSK	270	0	18.27	18.28	19.25			
50	16QAM	1	1	19.11	19.26	19.23	20.5	0.0	
50	16QAM	1	1	18.10	18.34	18.15	20.5	0.0	
50	256QAM	1	1	18.17	18.13	18.04	19.0	1.5	
Channel									
Frequency (MHz)				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	53	18.53	18.68	18.47	20.5	0.0	
Channel									
Frequency (MHz)				647334	655000	663668	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	26	3710.01	3840	3970.02	20.5	0.0	
Channel									
Frequency (MHz)				19.30	19.48	19.50	20.5	0.0	
Channel									
Frequency (MHz)				19.45	19.48	19.54	20.5	0.0	
Channel									
Frequency (MHz)				19.51	19.65	19.50	20.5	0.0	

Par27Q PC3 n77_Ant1 DSI1&2 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				637668	633334	630000			
50	Pl2 BPSK	1	1	18.57	18.52	18.54			
50	Pl2 BPSK	1	135	19.36	19.11	19.39	20.5	0.0	
50	Pl2 BPSK	1	268	18.59	18.59	18.56			
50	Pl2 BPSK	135	0	19.45	19.31	19.20	20.5	0.0	
50	Pl2 BPSK	135	68	19.10	19.28	19.33	20.5	0.0	
50	Pl2 BPSK	135	135	19.28	19.11	19.31	20.5	0.0	
50	Pl2 BPSK	270	0	19.29	19.06	19.28			
50	QPSK	1	1	18.81	18.56	18.81			
50	QPSK	1	135	19.31	19.46	19.15	20.5	0.0	
50	QPSK	1	268	18.52	18.61	18.83			
50	QPSK	135	0	19.11	19.12	19.03	20.5	0.0	
50	QPSK	135	68	18.11	18.26	19.22	20.5	0.0	
50	QPSK	135	135	18.21	19.14	19.11	20.5	0.0	
50	QPSK	270	0	18.68	18.99	18.86			
50	16QAM	1	1	19.23	19.02	19.12	20.5	0.0	
50	16QAM	1	1	18.16	18.07	18.10	20.5	0.0	
50	256QAM	1	1	18.01	18.15	18.15	19.0	1.5	
Channel									
Frequency (MHz)				631394	633334	635332	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	53	18.10	18.08	18.07	20.5	0.0	
Channel									
Frequency (MHz)				630968	633334	635000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	26	3460.02	3500.01	3540	20.5	0.0	
Channel									
Frequency (MHz)				18.99	19.26	19.81	20.5	0.0	
Channel									
Frequency (MHz)				19.09	19.14	18.93	20.5	0.0	
Channel									
Frequency (MHz)				19.10	19.24	18.91	20.5	0.0	

PC2 n77_Ant1 DSI1&2 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3725.01	3840	3955.02			
50	Pl2 BPSK	1	1	21.53	21.52	21.56			
50	Pl2 BPSK	1	135	22.47	22.44	22.51	23.5	0.0	
50	Pl2 BPSK	1	268	21.56	21.69	21.59			
50	Pl2 BPSK	135	0	21.90	21.82	21.76	23.0	0.5	
50	Pl2 BPSK	135	68	22.53	22.38	22.42	23.5	0.0	
50	Pl2 BPSK	135	135	21.94	21.98	21.69	23.0	0.5	
50	Pl2 BPSK	270	0	21.97	21.82	21.74			
50	QPSK	1	1	21.59	21.53	21.58			
50	QPSK	1	135	22.38	22.66	22.38	23.5	0.0	
50	QPSK	1	268	21.57	21.51	21.51			
50	QPSK	135	0	21.06	21.24	21.28	22.5	1.0	
50	QPSK	135	68	22.28	22.46	22.21	23.5	0.0	
50	QPSK	135	135	21.95	21.95	21.62	22.5	1.0	
50	QPSK	270	0	21.20	21.24	21.18			
50	16QAM	1	1	20.96	21.21	20.90	22.5	1.0	
50	16QAM	1	1	19.83	20.01	19.91	21.0	2.5	
50	256QAM	1	1	18.27	18.17	18.24	19.0	4.5	
Channel									
Frequency (MHz)				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	53	22.25	22.46	22.27	23.5	0.0	
Channel									
Frequency (MHz)				647334	655000	663668	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	26	3710.01	3840	3970.02	20.5	0.0	
Channel									
Frequency (MHz)				22.21	22.47	22.27	23.5	0.0	
Channel									
Frequency (MHz)				22.33	22.56	22.18	23.5	0.0	
Channel									
Frequency (MHz)				22.37	22.46	22.39	23.5	0.0	



Par27Q PC2 n77_Ant1 DSI1&2 Default power									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	PI2 BPSK	1	1	21.61	21.59	21.69			
50	PI2 BPSK	1	135	22.30	22.29	22.38	23.5	0.0	
50	PI2 BPSK	1	268	21.49	21.51	21.52			
50	PI2 BPSK	135	0	21.66	21.67	21.72	23.0	0.5	
50	PI2 BPSK	135	68	22.26	22.28	22.27	23.5	0.0	
50	PI2 BPSK	135	135	21.87	21.89	21.95	23.0	0.5	
50	PI2 BPSK	270	0	21.71	21.76	21.77			
50	QPSK	1	1	21.52	21.54	21.62			
50	QPSK	1	135	22.31	22.40	22.26	23.5	0.0	
50	QPSK	1	268	21.60	21.58	21.59			
50	QPSK	135	0	21.24	21.28	21.27	22.5	1.0	
50	QPSK	135	68	22.16	22.21	22.06	23.5	0.0	
50	QPSK	135	135	21.21	21.18	21.24			
50	QPSK	270	0	21.28	21.38	21.35	22.5	1.0	
50	16QAM	1	1	21.02	20.99	21.05	22.5	1.0	
50	64QAM	1	1	19.95	19.90	19.87	21.0	2.5	
50	256QAM	1	1	18.23	18.20	18.17	19.0	4.5	
Channel									
Frequency (MHz)									
40	QPSK	1	53	22.31	22.23	22.02	23.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	26	22.30	22.29	22.06	23.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	19	22.31	22.28	22.12	23.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	12	22.29	22.29	22.06	23.5	0.0	

PC3 n78_Ant1 DSI1&2 Default power									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	PI2 BPSK	1	1	18.54	18.59	18.69			
50	PI2 BPSK	1	135	19.32	19.43	19.38	20.5	0.0	
50	PI2 BPSK	1	268	18.60	18.61	18.65			
50	PI2 BPSK	135	0	19.17	19.25	19.25	20.5	0.0	
50	PI2 BPSK	135	68	19.29	19.34	19.44	20.5	0.0	
50	PI2 BPSK	135	135	19.34	19.39	19.21	20.5	0.0	
50	PI2 BPSK	270	0	19.21	19.49	19.22			
50	QPSK	1	1	18.56	18.59	18.52			
50	QPSK	1	135	19.47	19.60	19.58	20.5	0.0	
50	QPSK	1	268	18.59	18.65	18.50			
50	QPSK	135	0	19.41	19.51	19.49	20.5	0.0	
50	QPSK	135	68	19.34	19.54	19.52	20.5	0.0	
50	QPSK	135	135	19.35	19.40	19.23			
50	QPSK	270	0	19.27	19.28	19.23	20.5	0.0	
50	16QAM	1	1	19.10	19.22	19.22	20.5	0.0	
50	64QAM	1	1	19.07	19.34	19.10	20.5	0.0	
50	256QAM	1	1	18.16	18.12	18.04	19.0	1.5	
Channel									
Frequency (MHz)									
40	QPSK	1	53	19.73	19.72	19.34	20.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	26	19.68	19.66	19.70	20.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	19	19.70	19.73	19.68	20.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	12	19.67	19.69	19.64	20.5	0.0	

Par27Q PC3 n78_Ant1 DSI1&2 Default power									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	PI2 BPSK	1	1	18.52	18.51	18.61			
50	PI2 BPSK	1	135	19.32	19.07	19.34	20.5	0.0	
50	PI2 BPSK	1	268	18.56	18.58	18.53			
50	PI2 BPSK	135	0	19.40	19.32	19.20	20.5	0.0	
50	PI2 BPSK	135	68	19.06	19.27	19.33	20.5	0.0	
50	PI2 BPSK	135	135	19.28	19.09	19.29	20.5	0.0	
50	PI2 BPSK	270	0	19.28	19.02	19.29			
50	QPSK	1	1	18.59	18.51	18.60			
50	QPSK	1	135	19.29	19.63	19.10	20.5	0.0	
50	QPSK	1	268	18.50	18.61	18.60			
50	QPSK	135	0	19.07	19.08	19.02	20.5	0.0	
50	QPSK	135	68	18.11	19.28	19.17	20.5	0.0	
50	QPSK	135	135	18.17	19.13	19.06			
50	QPSK	270	0	18.68	18.96	18.82	20.5	0.0	
50	16QAM	1	1	19.18	18.99	19.09	20.5	0.0	
50	64QAM	1	1	18.19	19.06	19.08	20.5	0.0	
50	256QAM	1	1	17.98	18.11	18.16	19.0	1.5	
Channel									
Frequency (MHz)									
40	QPSK	1	53	19.24	19.22	19.28	20.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	26	19.17	19.29	19.30	20.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	19	19.13	19.23	19.22	20.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	12	19.16	19.27	19.23	20.5	0.0	



PC2 n78_Ant1 DSI1&2 Default power							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	MPR (dB)
Channel				648334	650000	651666	
Frequency (MHz)				3725.01	3750	3775.02	
50	Plz BPSK	1	1	2153	2154	2152	
50	Plz BPSK	1	135	2244	2253	2248	23.5
50	Plz BPSK	1	268	2155	2180	2156	
50	Plz BPSK	135	0	2191	2198	2176	23.0
50	Plz BPSK	135	68	2253	2254	2242	23.5
50	Plz BPSK	135	135	2194	2198	2188	
50	Plz BPSK	270	0	2193	2199	2172	23.0
50	QPSK	1	1	2157	2156	2154	
50	QPSK	1	135	2238	2235	2237	23.5
50	QPSK	1	268	2157	2180	2151	
50	QPSK	135	0	2104	2150	2127	22.5
50	QPSK	135	68	2227	2251	2241	23.5
50	QPSK	135	135	2134	2137	2138	22.5
50	QPSK	270	0	2117	2160	2118	
50	16QAM	1	1	2092	2141	2089	22.5
50	16QAM	1	1	1980	2036	1988	21.0
50	16QAM	1	1	1825	1820	1820	19.0
Channel				648000	650000	650000	
Frequency (MHz)				3720	3750	3780	
40	QPSK	1	53	2238	2228	2227	23.5
Channel				647334	650000	652666	
Frequency (MHz)				3710.01	3750	3790.02	
20	QPSK	1	26	2232	2233	2216	23.5
Channel				647166	650000	652834	
Frequency (MHz)				3707.52	3750	3792.51	
15	QPSK	1	19	2235	2227	2227	23.5
Channel				647000	650000	653000	
Frequency (MHz)				3705	3750	3795	
10	QPSK	1	12	2240	2235	2217	23.5

Par27Q PC2 n78_Ant1 DSI1&2 Default power							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	MPR (dB)
Channel				631668	633334	635000	
Frequency (MHz)				3475.02	3500.01	3525	
50	Plz BPSK	1	1	2154	2153	2159	
50	Plz BPSK	1	135	2226	2236	2230	23.5
50	Plz BPSK	1	268	2153	2156	2156	
50	Plz BPSK	135	0	2167	2207	2181	23.0
50	Plz BPSK	135	68	2228	2198	2223	23.5
50	Plz BPSK	135	135	2187	2142	2184	
50	Plz BPSK	270	0	2174	2153	2172	23.0
50	QPSK	1	1	2150	2153	2156	
50	QPSK	1	135	2237	2238	2230	23.5
50	QPSK	1	268	2153	2180	2155	
50	QPSK	135	0	2124	2128	2121	22.5
50	QPSK	135	68	2221	2237	2213	23.5
50	QPSK	135	135	2136	2135	2118	22.5
50	QPSK	270	0	2135	2158	2126	
50	16QAM	1	1	2099	2158	2101	22.5
50	16QAM	1	1	1986	1941	1982	21.0
50	16QAM	1	1	1815	1806	1823	19.0
Channel				631334	633334	635332	
Frequency (MHz)				3470.01	3500.01	3530.01	
40	QPSK	1	53	2229	2225	2188	23.5
Channel				630668	633334	636000	
Frequency (MHz)				3460.02	3500.01	3540	
20	QPSK	1	26	2214	2225	2228	23.5
Channel				630500	633334	636168	
Frequency (MHz)				3457.5	3500.01	3542.49	
15	QPSK	1	19	2227	2228	2229	23.5
Channel				630334	633334	636332	
Frequency (MHz)				3455.01	3500.01	3544.98	
10	QPSK	1	12	2224	2238	2192	23.5



n7_Ant2 DSI1&2 Default power									
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				502000	507000	512000			
Frequency (MHz)				2510	2535	2560	Tune-up limit (dBm)	MPR (dB)	
20	PI/2 BPSK	1	1	22.95	22.97	23.01	24.5	0.0	
20	PI/2 BPSK	1	53	22.94	23.06	22.97			
20	PI/2 BPSK	1	104	22.94	23.02	23.02	24.0	0.5	
20	PI/2 BPSK	50	0	22.53	22.67	22.44			
20	PI/2 BPSK	50	28	23.03	22.99	23.00	24.5	0.0	
20	PI/2 BPSK	50	56	22.43	22.65	22.35			
20	PI/2 BPSK	100	0	22.46	22.67	22.70	24.0	0.5	
20	QPSK	1	1	22.86	23.20	22.90			
20	QPSK	1	53	22.97	23.22	23.12	24.5	0.0	
20	QPSK	1	104	23.05	22.94	22.87			
20	QPSK	50	0	21.96	22.08	22.01	23.5	1.0	
20	QPSK	50	28	22.92	23.11	22.95			
20	QPSK	50	56	22.08	22.05	22.04	23.5	1.0	
20	QPSK	100	0	21.87	21.89	21.84			
20	16QAM	1	1	21.93	22.03	22.02	23.5	1.0	
20	64QAM	1	1	20.47	20.77	20.63			
20	256QAM	1	1	18.71	18.84	18.82	22.0	2.5	
20	256QAM	1	1	20.47	20.77	20.63			
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	40	22.85	23.15	23.01	24.5	0.0	
Channel				501000	507000	513000			Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	26	22.89	23.09	22.99	24.5	0.0	
Channel				500500	507000	513500			Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	13	22.88	23.09	23.01	24.5	0.0	
Channel				500000	507000	514000			Tune-up limit (dBm)
Frequency (MHz)				2500	2535	2570			

n66_Ant2 DSI1&2&4 Default power									
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	Tune-up limit (dBm)	MPR (dB)	
40	PI/2 BPSK	1	1	22.63	22.89	22.88	24.5	0.0	
40	PI/2 BPSK	1	108	23.18	23.01	22.91			
40	PI/2 BPSK	1	214	22.65	22.88	22.86	24.0	0.5	
40	PI/2 BPSK	108	0	22.19	22.29	22.01			
40	PI/2 BPSK	108	54	22.82	23.03	22.72	24.5	0.0	
40	PI/2 BPSK	108	108	22.25	22.25	22.12			
40	PI/2 BPSK	216	0	22.41	22.36	22.17	24.0	0.5	
40	QPSK	1	1	22.85	22.88	22.75			
40	QPSK	1	108	23.06	23.21	23.08	24.5	0.0	
40	QPSK	1	214	22.72	22.80	22.83			
40	QPSK	108	0	21.74	21.93	21.97	23.5	1.0	
40	QPSK	108	54	22.76	22.86	22.85			
40	QPSK	108	108	21.80	21.74	21.86	23.5	1.0	
40	QPSK	216	0	21.63	21.78	21.70			
40	16QAM	1	1	21.80	21.90	21.84	23.5	1.0	
40	64QAM	1	1	20.53	20.29	20.16			
40	256QAM	1	1	18.32	18.23	18.25	22.0	4.5	
Channel				345000	349000	353000			Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765			
30	PI/2 BPSK	1	80	22.91	23.13	22.86	24.5	0.0	
Channel				344500	349000	353500			Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5			
25	PI/2 BPSK	1	67	22.92	23.13	23.02	24.5	0.0	
Channel				344000	349000	354000			Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	53	22.93	23.05	22.95	24.5	0.0	
Channel				343500	349000	354500			Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	40	22.96	23.12	22.95	24.5	0.0	
Channel				343000	349000	355000			Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	26	22.92	23.10	22.93	24.5	0.0	
Channel				342500	349000	355500			Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	13	22.91	23.11	22.96	24.5	0.0	
Channel				342000	349000	356000			Tune-up limit (dBm)
Frequency (MHz)				1710	1745	1780			





n38_Ant2 DSI1&2 Default power									
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			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	23.21	23.33	23.15	24.0	0.0	
40	PI/2 BPSK	1	53	23.63	23.73	23.72			
40	PI/2 BPSK	1	104	23.29	23.30	23.39			
40	PI/2 BPSK	50	0	23.10	23.16	22.97	23.5	0.5	
40	PI/2 BPSK	50	28	23.48	23.52	23.56	24.0	0.0	
40	PI/2 BPSK	50	56	22.90	22.99	22.84	23.5	0.5	
40	PI/2 BPSK	100	0	23.06	22.91	22.84			
40	QPSK	1	1	23.34	23.40	23.41			
40	QPSK	1	53	23.75	23.86	23.82	24.0	0.0	
40	QPSK	1	104	23.26	23.30	23.18			
40	QPSK	50	0	22.49	22.33	22.43	23.0	1.0	
40	QPSK	50	28	23.23	23.31	23.23	24.0	0.0	
40	QPSK	50	56	22.44	22.53	22.45	23.0	1.0	
40	QPSK	100	0	22.25	22.30	22.27			
40	16QAM	1	1	22.34	22.46	22.17	23.0	1.0	
40	64QAM	1	1	20.92	20.95	20.93	21.5	2.5	
40	256QAM	1	1	19.08	19.14	18.87	19.5	4.5	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610	24.0	0.0	
20	QPSK	1	53	23.60	23.85	23.67	24.0	0.0	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49	24.0	0.0	
15	QPSK	1	40	23.58	23.66	23.64	24.0	0.0	
Channel				515004	519000	522596	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98	24.0	0.0	
10	QPSK	1	26	23.85	23.72	23.70	24.0	0.0	
Channel				514506	519000	523494	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.53	2595	2617.47	24.0	0.0	
5	QPSK	1	13	23.81	23.83	23.70	24.0	0.0	

PC2 n41_Ant2 DSI1&2 Default power									
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				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI/2 BPSK	1	1	23.10	23.12	23.29	25.0	0.0	
50	PI/2 BPSK	1	135	23.55	23.48	23.63			
50	PI/2 BPSK	1	268	23.52	23.45	23.32			
50	PI/2 BPSK	135	0	23.49	23.57	23.67	24.5	0.5	
50	PI/2 BPSK	135	68	23.66	23.57	23.60	25.0	0.0	
50	PI/2 BPSK	135	135	23.85	23.80	23.82	24.5	0.5	
50	PI/2 BPSK	270	0	23.56	23.59	23.71			
50	QPSK	1	1	23.45	23.51	23.42			
50	QPSK	1	135	23.96	24.11	23.75	25.0	0.0	
50	QPSK	1	268	23.60	23.55	23.60			
50	QPSK	135	0	23.76	23.77	23.76	25.0	0.0	
50	QPSK	135	68	23.74	23.88	23.74	25.0	0.0	
50	QPSK	135	135	23.68	23.71	23.84	25.0	0.0	
50	QPSK	270	0	23.56	23.72	23.58			
50	16QAM	1	1	23.28	23.23	23.16	24.0	1.0	
50	64QAM	1	1	22.33	22.16	22.32	22.5	2.5	
50	256QAM	1	1	20.25	20.16	20.21	20.5	4.5	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	25.0	0.0	
40	PI/2 BPSK	1	108	23.86	23.99	23.64	25.0	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	25.0	0.0	
30	PI/2 BPSK	1	80	23.96	23.93	23.67	25.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2508.02	2592.99	2679.99	25.0	0.0	
20	QPSK	1	53	23.85	23.84	23.59	25.0	0.0	
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48	25.0	0.0	
15	QPSK	1	40	23.90	24.01	23.65	25.0	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685	25.0	0.0	
10	QPSK	1	26	23.84	23.89	23.63	25.0	0.0	



PC3 n77_Ant3 DSI1&2 Default power									
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.			
Channel				648334	656000	663666			
Frequency (MHz)				3725.01	3840	3955.02			
50	Pi/2 BPSK	1	1	20.84	20.78	20.88			
50	Pi/2 BPSK	1	135	21.90	21.81	21.98	22.5	0.0	
50	Pi/2 BPSK	1	268	20.56	20.81	20.76			
50	Pi/2 BPSK	135	0	21.84	21.72	21.72	22.5	0.0	
50	Pi/2 BPSK	135	68	21.05	21.81	21.85	22.5	0.0	
50	Pi/2 BPSK	135	135	21.47	21.81	21.79	22.5	0.0	
50	Pi/2 BPSK	270	0	21.88	21.77	21.92			
50	QPSK	1	1	20.75	20.72	20.79			
50	QPSK	1	135	21.78	21.98	21.94	22.5	0.0	
50	QPSK	1	268	20.81	20.78	20.87			
50	QPSK	135	0	21.88	21.84	21.51	22.5	0.0	
50	QPSK	135	68	21.80	21.87	21.53	22.5	0.0	
50	QPSK	135	135	21.70	21.79	21.87	22.5	0.0	
50	QPSK	270	0	21.86	21.71	21.67			
50	16QAM	1	1	21.44	21.53	21.73	22.5	0.0	
50	16QAM	1	1	21.89	21.82	21.56	22.5	0.0	
50	256QAM	1	1	19.98	19.97	19.93	21.0	1.5	
Channel				648000	656000	664000	Tune-up limit	MPR	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	QPSK	1	53	21.28	21.57	21.44	22.5	0.0	
Channel				647334	656000	664666	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)	
20	QPSK	1	26	21.47	21.49	21.34	22.5	0.0	
Channel				647162	656000	664334	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3840	3972.51	(dBm)	(dB)	
15	QPSK	1	19	21.49	21.44	21.54	22.5	0.0	
Channel				647000	656000	665000	Tune-up limit	MPR	
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)	
10	QPSK	1	12	21.39	21.58	21.51	22.5	0.0	

Par27Q PC3 n77_Ant3 DSI1&2 Default power									
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.			
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525			
50	Pi/2 BPSK	1	1	20.84	20.89	20.73			
50	Pi/2 BPSK	1	135	21.92	21.88	21.81	22.5	0.0	
50	Pi/2 BPSK	1	268	20.81	20.82	20.79			
50	Pi/2 BPSK	135	0	21.71	21.77	21.73	22.5	0.0	
50	Pi/2 BPSK	135	68	21.71	21.89	21.71	22.5	0.0	
50	Pi/2 BPSK	135	135	21.56	21.88	21.83	22.5	0.0	
50	Pi/2 BPSK	270	0	21.94	21.79	22.02			
50	QPSK	1	1	20.82	20.73	20.81			
50	QPSK	1	135	21.97	22.06	21.92	22.5	0.0	
50	QPSK	1	268	20.85	20.88	20.73			
50	QPSK	135	0	21.74	21.90	21.80	22.5	0.0	
50	QPSK	135	68	21.89	21.88	21.54	22.5	0.0	
50	QPSK	135	135	21.78	21.79	21.74	22.5	0.0	
50	QPSK	270	0	21.88	21.78	21.67			
50	16QAM	1	1	21.47	21.56	21.81	22.5	0.0	
50	16QAM	1	1	21.73	21.88	21.58	22.5	0.0	
50	256QAM	1	1	19.83	19.97	19.82	21.0	1.5	
Channel				631334	633334	635332	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3529.98	(dBm)	(dB)	
40	QPSK	1	53	21.07	21.20	21.14	22.5	0.0	
Channel				630868	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	26	21.01	21.22	21.19	22.5	0.0	
Channel				630500	633334	633856	Tune-up limit	MPR	
Frequency (MHz)				3449.5	3500.01	3542.48	(dBm)	(dB)	
15	QPSK	1	19	21.11	21.20	21.17	22.5	0.0	
Channel				630334	633334	635332	Tune-up limit	MPR	
Frequency (MHz)				3454.01	3500.01	3544.98	(dBm)	(dB)	
10	QPSK	1	12	21.12	21.21	21.18	22.5	0.0	

PC2 n77_Ant3 DSI1 For SA / DSI2 For SA&NSA Default power									
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.			
Channel				648334	656000	663666			
Frequency (MHz)				3725.01	3840	3955.02			
50	Pi/2 BPSK	1	1	23.53	23.52	23.51			
50	Pi/2 BPSK	1	135	24.00	24.11	24.02	25.5	0.0	
50	Pi/2 BPSK	1	268	23.50	23.51	23.55			
50	Pi/2 BPSK	135	0	23.90	23.94	23.94	25.0	0.5	
50	Pi/2 BPSK	135	68	24.17	24.37	24.35	25.5	0.0	
50	Pi/2 BPSK	135	135	23.99	24.09	23.88	25.0	0.5	
50	Pi/2 BPSK	270	0	23.83	24.07	23.89			
50	QPSK	1	1	23.58	23.50	23.53			
50	QPSK	1	135	24.33	24.45	24.31	25.5	0.0	
50	QPSK	1	268	23.51	23.58	23.55			
50	QPSK	135	0	23.55	23.45	23.38	24.5	1.0	
50	QPSK	135	68	24.21	24.40	24.24	25.5	0.0	
50	QPSK	135	135	23.25	23.47	23.28	24.5	1.0	
50	QPSK	270	0	23.43	23.58	23.38			
50	16QAM	1	1	23.40	23.42	23.42	24.5	1.0	
50	16QAM	1	1	22.03	21.81	21.76	23.0	2.5	
50	256QAM	1	1	19.92	20.01	19.89	21.0	4.5	
Channel				648000	656000	664000	Tune-up limit	MPR	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	QPSK	1	53	24.17	24.39	24.29	25.5	0.0	
Channel				647334	656000	664666	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)	
20	QPSK	1	26	24.21	24.46	24.22	25.5	0.0	
Channel				647162	656000	664334	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3840	3972.51	(dBm)	(dB)	
15	QPSK	1	19	24.21	24.32	24.17	25.5	0.0	
Channel				647000	656000	665000	Tune-up limit	MPR	
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)	
10	QPSK	1	12	24.28	24.40	24.21	25.5	0.0	



Par27QC n77_Ant3 DSI1 For SA / DSI2 For SA&NSA Default power									
BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525			
50	PI2 BPSK	1	1	23.57	23.69	23.84			
50	PI2 BPSK	1	135	23.81	23.92	23.87	25.5	0.0	
50	PI2 BPSK	1	268	23.56	23.58	23.53			
50	PI2 BPSK	135	0	23.82	23.95	23.50	25.0	0.5	
50	PI2 BPSK	135	68	23.34	24.43	24.33	25.5	0.0	
50	PI2 BPSK	135	135	23.85	23.99	23.88			
50	PI2 BPSK	270	0	23.78	23.87	23.78	25.0	0.5	
50	QPSK	1	1	23.56	23.70	23.61			
50	QPSK	1	135	23.47	23.54	23.47	25.5	0.0	
50	QPSK	1	268	23.51	23.60	23.58			
50	QPSK	135	0	23.31	23.42	23.29	24.5	1.0	
50	QPSK	135	68	24.12	24.27	24.19	25.0	0.0	
50	QPSK	135	135	23.08	23.10	23.13			
50	QPSK	270	0	23.39	23.53	23.45	24.5	1.0	
50	16QAM	1	1	23.17	23.31	23.19	24.5	1.0	
50	64QAM	1	1	21.66	21.78	21.83	23.0	2.5	
50	256QAM	1	1	19.82	19.95	19.88	21.0	4.5	
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3528.88			
40	QPSK	1	53	24.24	24.37	24.18	25.5	0.0	
Channel				630688	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26	24.32	24.37	24.29	25.5	0.0	
Channel				635500	633334	633300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	QPSK	1	19	24.33	24.33	24.20	25.5	0.0	
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.88			
10	QPSK	1	12	24.29	24.31	24.30	25.5	0.0	

PC3 n78_Ant3 DSI1&2 Default power									
BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
Channel				648334	650000	651668			
Frequency (MHz)				3725.01	3750	3775.02			
50	PI2 BPSK	1	1	23.53	23.69	23.59			
50	PI2 BPSK	1	135	21.59	21.69	21.60	22.5	0.0	
50	PI2 BPSK	1	268	20.84	20.94	20.88			
50	PI2 BPSK	135	0	21.58	21.64	21.55	22.5	0.0	
50	PI2 BPSK	135	68	21.69	21.80	21.72	22.5	0.0	
50	PI2 BPSK	135	135	21.64	21.73	21.64			
50	PI2 BPSK	270	0	21.53	21.68	21.54	22.5	0.0	
50	QPSK	1	1	20.54	20.68	20.54			
50	QPSK	1	135	21.81	21.91	21.85	22.5	0.0	
50	QPSK	1	268	20.71	20.84	20.77			
50	QPSK	135	0	21.41	21.48	21.46	22.5	0.0	
50	QPSK	135	68	21.49	21.55	21.51	22.5	0.0	
50	QPSK	135	135	21.37	21.49	21.37			
50	QPSK	270	0	21.43	21.51	21.44	22.5	0.0	
50	16QAM	1	1	21.55	21.68	21.58	22.5	0.0	
50	64QAM	1	1	21.51	21.59	21.55	22.5	0.0	
50	256QAM	1	1	19.83	19.92	19.82	21.0	1.5	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	53	21.50	21.63	21.47	22.5	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	26	21.48	21.47	21.60	22.5	0.0	
Channel				647166	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	19	21.51	21.64	21.61	22.5	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	12	21.39	21.63	21.56	22.5	0.0	

Par27QC PC3 n78_Ant3 DSI1&2 Default power									
BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525			
50	PI2 BPSK	1	1	23.89	23.99	23.71			
50	PI2 BPSK	1	135	21.91	21.87	21.59	22.5	0.0	
50	PI2 BPSK	1	268	20.64	20.85	20.83			
50	PI2 BPSK	135	0	21.71	21.75	21.78	22.5	0.0	
50	PI2 BPSK	135	68	21.75	21.70	21.71	22.5	0.0	
50	PI2 BPSK	135	135	21.53	21.80	21.81			
50	PI2 BPSK	270	0	21.91	21.78	22.04	22.5	0.0	
50	QPSK	1	1	20.85	20.78	20.88			
50	QPSK	1	135	21.50	22.07	21.89	22.5	0.0	
50	QPSK	1	268	20.50	20.53	20.78			
50	QPSK	135	0	21.74	21.90	21.60	22.5	0.0	
50	QPSK	135	68	21.69	21.86	21.61	22.5	0.0	
50	QPSK	135	135	21.84	21.88	21.72			
50	QPSK	270	0	21.74	21.83	21.71	22.5	0.0	
50	16QAM	1	1	21.51	21.55	21.83	22.5	0.0	
50	64QAM	1	1	21.78	21.67	21.58	22.5	0.0	
50	256QAM	1	1	19.69	19.69	19.89	21.0	1.5	
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3528.88			
40	QPSK	1	53	21.52	21.50	21.48	22.5	0.0	
Channel				630688	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26	21.40	21.53	21.52	22.5	0.0	
Channel				635500	633334	633300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	QPSK	1	19	21.43	21.57	21.29	22.5	0.0	
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.88			
10	QPSK	1	12	21.42	21.62	21.36	22.5	0.0	



**PC2 n78\_Ant3 DS11 For SA / DS12 For SA&NSA**

Default power							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	MPR (dB)
Channel							
Frequency (MHz)							
50	Pl2 BPSK	1	1	23.59	23.59	23.59	25.5
50	Pl2 BPSK	1	135	23.97	24.12	24.08	25.5
50	Pl2 BPSK	1	268	23.55	23.51	23.60	25.5
50	Pl2 BPSK	135	0	23.95	24.01	23.97	25.0
50	Pl2 BPSK	135	68	24.16	24.38	24.38	25.5
50	Pl2 BPSK	135	135	24.03	24.08	23.89	25.0
50	Pl2 BPSK	270	0	23.89	24.09	23.88	25.0
50	QPSK	1	1	23.60	23.52	23.50	25.5
50	QPSK	1	135	24.36	24.42	24.36	25.5
50	QPSK	1	268	23.53	23.58	23.56	25.5
50	QPSK	135	0	23.55	23.48	23.37	24.5
50	QPSK	135	68	24.23	24.41	24.23	25.5
50	QPSK	135	135	23.25	23.46	23.25	24.5
50	QPSK	270	0	23.45	23.65	23.37	24.5
50	16QAM	1	1	23.44	23.42	23.47	24.5
50	16QAM	1	1	22.10	21.80	21.82	23.0
50	256QAM	1	1	19.90	20.03	19.98	21.0
Channel							
Frequency (MHz)							
40	QPSK	1	53	24.59	24.40	24.40	25.5
Channel							
Frequency (MHz)							
20	QPSK	1	26	24.20	24.40	24.20	25.5
Channel							
Frequency (MHz)							
15	QPSK	1	19	24.30	24.41	24.39	25.5
Channel							
Frequency (MHz)							
10	QPSK	1	12	24.23	24.41	24.19	25.5

**Par27Q PC2 n78\_Ant3 DS11 For SA&DS12 For SA&ENDC**

Default power							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	MPR (dB)
Channel							
Frequency (MHz)							
50	Pl2 BPSK	1	1	23.03	23.71	23.59	25.5
50	Pl2 BPSK	1	135	23.76	23.97	23.85	25.5
50	Pl2 BPSK	1	268	23.54	23.63	23.62	25.5
50	Pl2 BPSK	135	0	23.87	24.00	23.97	25.0
50	Pl2 BPSK	135	68	24.35	24.46	24.37	25.5
50	Pl2 BPSK	135	135	23.84	24.01	23.93	25.0
50	Pl2 BPSK	270	0	23.82	23.91	23.83	25.0
50	QPSK	1	1	23.57	23.70	23.62	25.5
50	QPSK	1	135	24.51	24.52	24.47	25.5
50	QPSK	1	268	23.48	23.66	23.56	25.5
50	QPSK	135	0	23.35	23.43	23.29	24.5
50	QPSK	135	68	24.15	24.27	24.11	25.5
50	QPSK	135	135	23.10	23.17	23.13	24.5
50	QPSK	270	0	23.37	23.52	23.50	24.5
50	16QAM	1	1	23.22	23.35	23.25	24.5
50	16QAM	1	1	21.74	21.74	21.60	23.0
50	256QAM	1	1	19.86	19.94	19.88	21.0
Channel							
Frequency (MHz)							
40	QPSK	1	53	24.39	24.34	24.42	25.5
Channel							
Frequency (MHz)							
20	QPSK	1	26	24.21	24.39	24.19	25.5
Channel							
Frequency (MHz)							
15	QPSK	1	19	24.33	24.29	24.26	25.5
Channel							
Frequency (MHz)							
10	QPSK	1	12	24.19	24.25	24.43	25.5



n5_Ant4 DSI1&2&4 Default power							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	MPR (dB)
Channel				168300	167300	167000	
Frequency (MHz)				834	836.5	839	
20	PI2 BPSK	1	1	22.77	22.75	22.57	
20	PI2 BPSK	1	53	22.71	22.72	22.79	24.0
20	PI2 BPSK	1	104	22.52	22.74	22.57	
20	PI2 BPSK	50	0	22.30	22.20	22.33	23.5
20	PI2 BPSK	50	28	22.80	22.65	22.62	24.0
20	PI2 BPSK	50	56	22.23	22.17	22.28	23.5
20	PI2 BPSK	100	0	22.27	22.16	22.26	
20	QPSK	1	1	22.75	22.78	22.85	
20	QPSK	1	53	22.70	22.87	22.82	24.0
20	QPSK	1	104	22.63	22.64	22.67	
20	QPSK	50	0	21.51	21.82	21.51	23.0
20	QPSK	50	28	22.66	22.78	22.74	24.0
20	QPSK	50	56	21.68	21.69	21.69	23.0
20	QPSK	100	0	21.72	21.79	21.74	
20	16QAM	1	1	21.59	21.63	21.70	23.0
20	16QAM	1	1	20.35	20.31	20.28	21.5
20	256QAM	1	1	18.21	18.37	18.23	19.5
Channel				168300	167300	168300	
Frequency (MHz)				831.5	836.5	841.5	
15	QPSK	1	40	22.57	22.85	22.77	24.0
Channel				168300	167300	168300	
Frequency (MHz)				829	836.5	844	
10	QPSK	1	26	22.62	22.67	22.63	24.0
Channel				168300	167300	168300	
Frequency (MHz)				841.5	836.5	841.5	
5	QPSK	1	13	22.58	22.63	22.55	24.0

n7_Ant4 DSI2 Default power							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	MPR (dB)
Channel				502000	507000	512000	
Frequency (MHz)				2610	2635	2650	
20	PI2 BPSK	1	1	22.77	22.83	22.53	
20	PI2 BPSK	1	53	22.71	22.82	22.78	24.0
20	PI2 BPSK	1	104	22.71	22.76	22.57	
20	PI2 BPSK	50	0	22.27	22.36	22.33	23.5
20	PI2 BPSK	50	28	22.67	22.65	22.73	24.0
20	PI2 BPSK	50	56	22.27	22.15	22.19	23.5
20	PI2 BPSK	100	0	22.16	22.36	22.11	
20	QPSK	1	1	22.70	22.86	22.58	
20	QPSK	1	53	22.58	22.87	22.81	24.0
20	QPSK	1	104	22.63	22.63	22.68	
20	QPSK	50	0	21.84	21.83	21.84	23.0
20	QPSK	50	28	22.63	22.68	22.61	24.0
20	QPSK	50	56	21.69	21.74	21.74	23.0
20	QPSK	100	0	21.56	21.74	21.66	
20	16QAM	1	1	21.71	21.78	21.79	23.0
20	16QAM	1	1	20.36	20.24	20.68	21.5
20	256QAM	1	1	18.14	18.28	18.05	19.5
Channel				501500	507000	512500	
Frequency (MHz)				2607.5	2635	2662.5	
15	QPSK	1	40	22.50	22.70	22.77	24.0
Channel				501000	507000	503500	
Frequency (MHz)				2605	2635	2655	
10	QPSK	1	26	22.52	22.77	22.80	24.0
Channel				500500	507000	513500	
Frequency (MHz)				2602.5	2635	2667.5	
5	QPSK	1	13	22.43	22.64	22.58	24.0

n66_Ant4 DSI2&4 Default power							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	MPR (dB)
Channel				346000	349000	353000	
Frequency (MHz)				1730	1745	1760	
40	PI2 BPSK	1	1	22.39	22.46	22.40	
40	PI2 BPSK	1	108	22.51	22.50	22.41	24.0
40	PI2 BPSK	1	214	22.36	22.49	22.50	
40	PI2 BPSK	108	0	21.76	21.87	22.00	23.5
40	PI2 BPSK	108	54	22.40	22.35	22.37	24.0
40	PI2 BPSK	108	108	21.68	21.88	21.72	23.5
40	PI2 BPSK	216	0	21.89	21.90	21.88	
40	QPSK	1	1	22.38	22.58	22.34	
40	QPSK	1	108	22.39	22.62	22.42	24.0
40	QPSK	1	214	22.25	22.42	22.39	
40	QPSK	108	0	21.48	21.50	21.49	23.0
40	QPSK	108	54	22.35	22.48	22.35	24.0
40	QPSK	108	108	21.31	21.39	21.24	23.0
40	QPSK	216	0	21.24	21.39	21.28	
40	16QAM	1	1	21.22	21.39	21.50	23.0
40	16QAM	1	1	19.85	19.98	19.91	21.5
40	256QAM	1	1	17.85	17.92	17.84	19.5
Channel				345000	349000	353000	
Frequency (MHz)				1725	1745	1765	
30	PI2 BPSK	1	80	22.10	22.56	22.40	24.0
Channel				344500	349000	353500	
Frequency (MHz)				1722.5	1745	1767.5	
25	PI2 BPSK	1	67	22.14	22.61	22.38	24.0
Channel				344000	349000	354000	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	53	22.13	22.49	22.35	24.0
Channel				343500	349000	354500	
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	40	22.19	22.46	22.27	24.0
Channel				343000	349000	355000	
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	26	22.22	22.48	22.26	24.0
Channel				342500	349000	355500	
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	13	22.25	22.43	22.15	24.0



### n38\_Ant4 DSI2 Default power

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				516004	519000	519996		
Frequency (MHz)				2560.02	2595	2599.98		
40	P12 BPSK	1	1	23.64	23.52	23.59		
40	P12 BPSK	1	53	23.97	23.96	24.04	25.5	0.0
40	P12 BPSK	1	104	23.51	23.57	23.51		
40	P12 BPSK	50	0	23.18	23.12	23.14	25.0	0.5
40	P12 BPSK	50	28	23.58	23.55	23.55	25.5	0.0
40	P12 BPSK	50	56	23.28	23.08	23.17		
40	P12 BPSK	100	0	23.02	23.16	23.10	25.0	0.5
40	QPSK	1	1	23.53	23.65	23.54		
40	QPSK	1	53	23.94	24.12	23.87		
40	QPSK	1	104	23.61	23.53	23.54		
40	QPSK	50	0	22.51	22.61	22.52	24.5	1.0
40	QPSK	50	28	23.61	23.64	23.65	25.5	0.0
40	QPSK	50	56	22.51	22.55	22.67	24.5	1.0
40	QPSK	100	0	22.53	22.55	22.51		
40	16QAM	1	1	22.76	22.73	22.77	24.5	1.0
40	64QAM	1	1	21.05	21.19	21.31	23.0	2.5
40	256QAM	1	1	19.01	19.14	19.06	21.0	4.5
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	53	23.88	23.96	23.76	25.5	0.0
Channel				516502	519500	522500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	40	23.93	24.00	23.77	25.5	0.0
Channel				516004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2576.02	2595	2614.98		
10	QPSK	1	26	23.75	24.01	23.70	25.5	0.0
Channel				514506	519000	523494	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.53	2595	2617.47		
5	QPSK	1	13	23.73	24.05	23.66	25.5	0.0

### PC3 n41\_Ant4 DSI2 Default power

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				505004	518598	530298		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	P12 BPSK	1	1	22.84	22.70	22.84		
50	P12 BPSK	1	135	22.74	22.83	22.76	24.0	0.0
50	P12 BPSK	1	268	22.74	22.75	22.87		
50	P12 BPSK	135	0	22.76	22.78	22.80	23.5	0.5
50	P12 BPSK	135	68	23.13	23.02	23.00	24.0	0.0
50	P12 BPSK	135	135	22.84	22.94	23.04		
50	P12 BPSK	270	0	22.76	22.99	22.85	23.5	0.5
50	QPSK	1	1	22.81	22.94	23.08		
50	QPSK	1	135	23.27	23.43	23.27		
50	QPSK	1	268	22.22	22.20	22.17	24.0	0.0
50	QPSK	135	0	22.81	22.92	22.87	24.0	0.0
50	QPSK	135	68	22.99	22.95	22.91	24.0	0.0
50	QPSK	135	135	22.80	22.71	22.59	24.0	0.0
50	QPSK	270	0	22.76	22.95	22.78		
50	16QAM	1	1	22.07	22.03	22.05	23.0	1.0
50	64QAM	1	1	22.46	22.50	22.40	21.5	2.5
50	256QAM	1	1	21.83	21.59	21.48	19.5	4.5
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	P12 BPSK	1	108	23.17	23.32	23.12	24.0	0.0
Channel				502200	518598	535200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	P12 BPSK	1	80	23.11	23.38	23.25	24.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	53	23.11	23.43	23.20	24.0	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	40	23.06	23.23	23.21	24.0	0.0
Channel				500200	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2686		
10	QPSK	1	26	23.13	23.23	23.24	24.0	0.0

### PC2 n41\_Ant4 DSI2 Default power

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				504004	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	P12 BPSK	1	1	23.98	23.51	23.59		
50	P12 BPSK	1	135	23.96	23.87	23.90	25.5	0.0
50	P12 BPSK	1	268	23.71	23.58	23.58		
50	P12 BPSK	135	0	23.65	23.57	23.65	25.5	0.0
50	P12 BPSK	135	68	23.73	23.67	23.10	25.5	0.0
50	P12 BPSK	135	135	23.95	23.90	23.81		
50	P12 BPSK	270	0	23.78	23.73	23.85	25.5	0.0
50	QPSK	1	1	23.57	23.53	23.59		
50	QPSK	1	135	23.83	24.17	23.86		
50	QPSK	1	268	23.77	23.59	23.84		
50	QPSK	135	0	23.56	23.87	23.91	25.5	0.0
50	QPSK	135	68	23.91	24.07	23.01	25.5	0.0
50	QPSK	135	135	24.03	23.84	23.92	25.5	0.0
50	QPSK	270	0	23.77	23.66	23.67		
50	16QAM	1	1	23.50	23.74	23.57	25.5	0.0
50	64QAM	1	1	23.67	23.55	23.51	25.5	0.0
50	256QAM	1	1	23.53	23.60	23.62	25.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	P12 BPSK	1	108	23.68	24.14	23.70	25.5	0.0
Channel				502200	518598	535200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	P12 BPSK	1	80	23.84	24.16	23.78	25.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	53	23.83	24.16	23.92	25.5	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	40	23.68	24.04	23.80	25.5	0.0
Channel				500200	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2686		
10	QPSK	1	26	23.72	24.02	23.91	25.5	0.0



PC3 n77_Ant5 DS11&2&3 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	Plz BPSK	1	1	21.03	20.59	20.81			
50	Plz BPSK	1	135	21.51	21.52	21.37	22.0	0.0	
50	Plz BPSK	1	268	21.08	20.68	20.81			
50	Plz BPSK	135	0	21.38	21.38	21.27	22.0	0.0	
50	Plz BPSK	135	68	21.58	21.62	21.80	22.0	0.0	
50	Plz BPSK	135	135	21.32	21.47	21.41			
50	Plz BPSK	270	0	21.37	21.38	21.32	22.0	0.0	
50	QPSK	1	1	21.13	20.84	20.58			
50	QPSK	1	135	21.34	21.63	21.44	22.0	0.0	
50	QPSK	1	268	20.56	20.57	20.53			
50	QPSK	135	0	21.55	21.51	21.42	22.0	0.0	
50	QPSK	135	68	21.34	21.58	21.34	22.0	0.0	
50	QPSK	135	135	21.47	21.46	21.40			
50	QPSK	270	0	21.33	21.43	21.31	22.0	0.0	
50	16QAM	1	1	21.43	21.47	21.30	22.0	0.0	
50	16QAM	1	1	21.21	21.38	21.30	22.0	0.0	
50	256QAM	1	1	19.86	20.08	20.00	20.5	1.5	
Channel									
Frequency (MHz)									
40	QPSK	1	53	33.15	33.09	33.77	22.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	26	37.01	37.40	37.02	22.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	19	40.68	40.96	40.82	22.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	12	47.00	47.00	47.00	22.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	12	20.73	20.95	20.80	22.0	0.0	

Par27Q PC3 n77_Ant5 DS11&2&3 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	Plz BPSK	1	1	20.31	20.11	20.16			
50	Plz BPSK	1	135	21.01	20.99	20.87	22.0	0.0	
50	Plz BPSK	1	268	19.88	19.88	19.69			
50	Plz BPSK	135	0	20.88	20.88	20.77	22.0	0.0	
50	Plz BPSK	135	68	21.08	21.12	21.00	22.0	0.0	
50	Plz BPSK	135	135	20.82	20.97	20.91			
50	Plz BPSK	270	0	20.87	20.88	20.82	22.0	0.0	
50	QPSK	1	1	19.74	19.87	19.73			
50	QPSK	1	135	20.84	21.40	20.94	22.0	0.0	
50	QPSK	1	268	19.93	19.94	19.69			
50	QPSK	135	0	21.05	21.01	20.92	22.0	0.0	
50	QPSK	135	68	20.84	21.06	20.84	22.0	0.0	
50	QPSK	135	135	20.97	20.96	20.90			
50	QPSK	270	0	20.83	20.93	20.81	22.0	0.0	
50	16QAM	1	1	20.93	20.97	20.80	22.0	0.0	
50	16QAM	1	1	20.71	20.88	20.80	22.0	0.0	
50	256QAM	1	1	19.76	19.42	19.67	20.5	1.5	
Channel									
Frequency (MHz)									
40	QPSK	1	53	33.12	33.74	33.71	22.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	26	36.02	36.01	35.60	22.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	19	40.72	40.78	40.87	22.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	12	20.69	20.84	20.76	22.0	0.0	

PC2 n77_Ant5 DS11&2&3 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	Plz BPSK	1	1	23.00	23.10	23.01			
50	Plz BPSK	1	135	23.98	24.01	23.84	25.0	0.0	
50	Plz BPSK	1	268	23.11	23.07	23.13			
50	Plz BPSK	135	0	23.54	23.45	23.54	24.5	0.5	
50	Plz BPSK	135	68	23.71	23.99	23.86	25.0	0.0	
50	Plz BPSK	135	135	23.17	23.40	23.25			
50	Plz BPSK	270	0	23.41	23.42	23.28	24.5	0.5	
50	QPSK	1	1	23.18	23.05	23.04			
50	QPSK	1	135	23.79	24.33	23.86	25.0	0.0	
50	QPSK	1	268	23.00	23.16	23.13			
50	QPSK	135	0	22.87	23.01	23.04	24.0	1.0	
50	QPSK	135	68	23.97	24.02	23.88	25.0	0.0	
50	QPSK	135	135	22.96	23.06	22.81			
50	QPSK	270	0	22.75	23.01	22.78	24.0	1.0	
50	16QAM	1	1	22.74	22.95	22.86	24.0	1.0	
50	16QAM	1	1	21.19	21.31	21.34	22.5	2.5	
50	256QAM	1	1	19.34	19.37	19.19	20.5	4.5	
Channel									
Frequency (MHz)									
40	QPSK	1	53	34.03	34.00	33.53	25.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	26	37.10	37.40	37.02	25.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	19	41.01	41.07	41.08	25.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	12	23.97	23.99	23.66	25.0	0.0	



Par27Q PC2 n77_Ant5 DSI1&2&3 Default power										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel Frequency (MHz)										
50	PI2 BPSK	1	1	23.17	23.24	23.05				
50	PI2 BPSK	1	155	23.79	23.87	23.67	25.0	0.0		
50	PI2 BPSK	1	299	23.14	23.20	23.00				
50	PI2 BPSK	135	0	23.23	23.32	23.11	24.5	0.5		
50	PI2 BPSK	135	68	23.76	23.85	23.65	25.0	0.0		
50	PI2 BPSK	135	135	23.39	23.35	23.16	24.5	0.5		
50	PI2 BPSK	270	0	23.20	23.26	23.08				
50	QPSK	1	1	23.16	23.24	23.04				
50	QPSK	1	135	23.86	23.92	23.73	25.0	0.0		
50	QPSK	1	299	23.15	23.24	23.01				
50	QPSK	135	0	22.69	22.77	22.56	24.0	1.0		
50	QPSK	135	68	23.74	23.75	23.60	25.0	0.0		
50	QPSK	135	135	22.77	22.86	22.63	24.0	1.0		
50	QPSK	270	0	22.79	22.84	22.68				
50	16QAM	1	1	22.62	22.68	22.50	24.0	1.0		
50	64QAM	1	1	21.27	21.34	21.15	22.5	2.5		
50	256QAM	1	1	19.18	19.25	18.06	20.5	4.5		
Channel Frequency (MHz)										
40	QPSK	1	53	33.23	33.73	33.62	25.0	0.0		
Channel Frequency (MHz)										
20	QPSK	1	26	33.02	33.00	33.00	25.0	0.0		
Channel Frequency (MHz)										
15	QPSK	1	19	33.32	33.71	33.54	25.0	0.0		
Channel Frequency (MHz)										
10	QPSK	1	12	33.32	33.68	33.55	25.0	0.0		

PC3 n78_Ant5 DSI1&2&3 Default power										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel Frequency (MHz)										
50	PI2 BPSK	1	1	20.50	20.16	20.28				
50	PI2 BPSK	1	135	21.16	21.09	20.97	22.0	0.0		
50	PI2 BPSK	1	298	20.07	20.10	20.11				
50	PI2 BPSK	135	0	21.01	20.96	20.85	22.0	0.0		
50	PI2 BPSK	135	68	21.26	21.29	21.15	22.0	0.0		
50	PI2 BPSK	135	135	20.95	21.12	21.04	22.0	0.0		
50	PI2 BPSK	270	0	21.00	20.95	20.98				
50	QPSK	1	1	20.03	20.05	20.16				
50	QPSK	1	135	21.01	21.23	21.02	22.0	0.0		
50	QPSK	1	298	20.03	20.14	20.06				
50	QPSK	135	0	21.18	21.08	20.99	22.0	0.0		
50	QPSK	135	68	20.91	21.20	20.99	22.0	0.0		
50	QPSK	135	135	21.08	21.14	21.07	22.0	0.0		
50	QPSK	270	0	20.94	20.98	20.96				
50	16QAM	1	1	21.06	21.10	20.86	22.0	0.0		
50	64QAM	1	1	20.88	20.93	20.92	22.0	0.0		
50	256QAM	1	1	19.94	19.91	19.81	20.5	1.5		
Channel Frequency (MHz)										
40	QPSK	1	53	33.83	33.92	33.85	22.0	0.0		
Channel Frequency (MHz)										
20	QPSK	1	26	33.01	33.00	33.00	22.0	0.0		
Channel Frequency (MHz)										
15	QPSK	1	19	33.80	33.80	33.80	22.0	0.0		
Channel Frequency (MHz)										
10	QPSK	1	12	33.05	33.05	33.05	22.0	0.0		

Par27Q PC3 n78_Ant5 DSI1&2&3 Default power										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel Frequency (MHz)										
50	PI2 BPSK	1	1	20.79	20.38	20.49				
50	PI2 BPSK	1	135	21.24	21.30	21.16	22.0	0.0		
50	PI2 BPSK	1	298	20.30	20.39	20.33				
50	PI2 BPSK	135	0	21.17	21.22	21.09	22.0	0.0		
50	PI2 BPSK	135	68	21.16	21.31	21.24	22.0	0.0		
50	PI2 BPSK	135	135	21.13	21.39	21.20	22.0	0.0		
50	PI2 BPSK	270	0	21.29	21.20	21.23				
50	QPSK	1	1	20.19	20.27	20.43				
50	QPSK	1	135	21.18	21.38	21.20	22.0	0.0		
50	QPSK	1	298	20.29	20.36	20.32				
50	QPSK	135	0	21.38	21.36	21.26	22.0	0.0		
50	QPSK	135	68	21.14	21.37	21.20	22.0	0.0		
50	QPSK	135	135	21.28	21.38	21.28	22.0	0.0		
50	QPSK	270	0	21.15	21.24	21.13				
50	16QAM	1	1	21.32	21.27	21.14	22.0	0.0		
50	64QAM	1	1	21.08	21.15	21.20	22.0	0.0		
50	256QAM	1	1	19.86	19.69	19.86	20.5	1.5		
Channel Frequency (MHz)										
40	QPSK	1	53	33.01	33.04	33.00	22.0	0.0		
Channel Frequency (MHz)										
20	QPSK	1	26	33.04	33.03	33.06	22.0	0.0		
Channel Frequency (MHz)										
15	QPSK	1	19	34.02	34.01	34.08	22.0	0.0		
Channel Frequency (MHz)										
10	QPSK	1	12	34.02	34.03	34.07	22.0	0.0		





PC2 n78_Ant5 DS1&2&3 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit	MPR	
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
Channel				648000	650000	650000	Tune-up limit	MPR	
Frequency (MHz)				3720.01	3750	3762.02	(dBm)	(dB)	
50	PI/2 BPSK	1	1	23.00	23.18	23.15	25.0	0.0	
50	PI/2 BPSK	1	135	23.96	24.20	24.11			
50	PI/2 BPSK	1	268	23.25	23.48	23.60			
50	PI/2 BPSK	135	0	23.39	23.64	23.63	24.5	0.5	
50	PI/2 BPSK	135	68	23.99	24.28	24.26	25.0	0.0	
50	PI/2 BPSK	135	135	23.43	23.62	23.63	24.5	0.5	
50	PI/2 BPSK	270	0	23.48	23.68	23.76	25.0	0.0	
50	QPSK	1	1	23.24	23.49	23.47			
50	QPSK	1	135	24.06	24.32	24.28			
50	QPSK	1	268	23.28	23.48	23.48	24.0	1.0	
50	QPSK	135	0	23.12	23.40	23.38	24.0	1.0	
50	QPSK	135	68	23.93	24.18	24.10	25.0	0.0	
50	QPSK	135	135	23.10	23.30	23.26	24.0	1.0	
50	QPSK	270	0	23.12	23.37	23.31	24.0	1.0	
50	16QAM	1	1	23.06	23.30	23.30	24.0	1.0	
50	16QAM	1	1	21.79	22.07	22.01	22.5	2.5	
50	256QAM	1	1	19.66	19.90	19.91	20.5	4.5	
Channel				648000	650000	650000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	53	23.57	23.76	23.73	25.0	0.0	
Channel				647334	650000	650666	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	26	23.13	23.87	23.71	25.0	0.0	
Channel				647168	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	19	22.00	23.82	23.71	25.0	0.0	
Channel				645000	650000	650000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	12	23.82	23.74	23.70	25.0	0.0	

Par27Q PC2 n78_Ant5 DS1&2&3 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit	MPR	
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	PI/2 BPSK	1	1	23.24	23.17	23.30	25.0	0.0	
50	PI/2 BPSK	1	135	23.81	23.80	23.80			
50	PI/2 BPSK	1	268	23.10	23.09	23.17			
50	PI/2 BPSK	135	0	23.02	23.07	23.13	24.5	0.5	
50	PI/2 BPSK	135	68	23.43	23.77	23.84	25.0	0.0	
50	PI/2 BPSK	135	135	23.01	23.06	23.15	24.5	0.5	
50	PI/2 BPSK	270	0	23.13	23.25	23.41	25.0	0.0	
50	QPSK	1	1	23.11	23.10	23.24			
50	QPSK	1	135	23.76	23.80	23.80			
50	QPSK	1	268	23.21	23.14	23.24	24.0	1.0	
50	QPSK	135	0	22.91	22.88	23.04	24.0	1.0	
50	QPSK	135	68	23.50	23.66	23.43	25.0	0.0	
50	QPSK	135	135	22.85	22.86	23.02	24.0	1.0	
50	QPSK	270	0	22.85	22.84	22.80	24.0	1.0	
50	16QAM	1	1	22.81	22.86	22.85	24.0	1.0	
50	16QAM	1	1	21.32	21.36	21.45	22.5	2.5	
50	256QAM	1	1	19.34	19.29	19.48	20.5	4.5	
Channel				631334	633334	635332	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3529.98	(dBm)	(dB)	
40	QPSK	1	53	23.53	23.69	23.70	25.0	0.0	
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	26	23.01	23.65	23.73	25.0	0.0	
Channel				630500	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.49	(dBm)	(dB)	
15	QPSK	1	19	22.51	23.86	23.76	25.0	0.0	
Channel				630334	633334	636332	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3544.98	(dBm)	(dB)	
10	QPSK	1	12	23.52	23.69	23.81	25.0	0.0	



PC3 n77_Ant8 DSI1&2&4 Default power									
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				648334	650000	660666			
Frequency (MHz)				3725.01	3840	3955.02			
50	PI2 BPSK	1	1	18.16	18.28	18.19			
50	PI2 BPSK	1	135	19.32	19.41	19.32	20.0	0.0	
50	PI2 BPSK	1	268	18.34	18.31	18.26			
50	PI2 BPSK	135	0	19.40	19.23	19.30	20.0	0.0	
50	PI2 BPSK	135	68	19.18	19.39	19.49	20.0	0.0	
50	PI2 BPSK	135	135	19.38	19.48	19.39	20.0	0.0	
50	PI2 BPSK	270	0	19.22	19.36	19.42			
50	QPSK	1	1	18.15	18.39	18.14			
50	QPSK	1	135	19.38	19.70	19.50	20.0	0.0	
50	QPSK	1	268	18.23	18.39	18.15			
50	QPSK	135	0	19.23	19.26	19.24	20.0	0.0	
50	QPSK	135	68	19.35	19.45	19.27	20.0	0.0	
50	QPSK	135	135	19.19	19.36	19.12	20.0	0.0	
50	QPSK	270	0	19.42	19.47	19.26			
50	16QAM	1	1	19.21	19.42	19.49	20.0	0.0	
50	64QAM	1	1	19.43	19.43	19.27	20.0	0.0	
50	256QAM	1	1	17.88	18.06	18.01	18.5	1.5	
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	53	18.85	18.87	18.76	20.0	0.0	
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	26	18.77	19.02	18.85	20.0	0.0	
Channel				647168	650000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	19	19.00	18.80	18.89	20.0	0.0	
Channel				645000	650000	655000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	12	18.82	18.84	18.74	20.0	0.0	

Par27Q PC3 n77_Ant8 DSI1&2&4 Default power									
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				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525.03			
50	PI2 BPSK	1	1	18.13	18.30	18.26			
50	PI2 BPSK	1	135	19.31	19.39	19.31	20.0	0.0	
50	PI2 BPSK	1	268	18.31	18.39	18.15			
50	PI2 BPSK	135	0	19.48	19.32	19.22	20.0	0.0	
50	PI2 BPSK	135	68	19.04	19.47	19.40	20.0	0.0	
50	PI2 BPSK	135	135	19.45	19.42	19.28	20.0	0.0	
50	PI2 BPSK	270	0	19.30	19.25	19.41			
50	QPSK	1	1	18.23	18.24	18.07			
50	QPSK	1	135	19.29	19.53	19.42	20.0	0.0	
50	QPSK	1	268	18.29	18.30	18.01			
50	QPSK	135	0	18.09	19.31	19.26	20.0	0.0	
50	QPSK	135	68	19.24	19.36	19.16	20.0	0.0	
50	QPSK	135	135	19.20	19.35	19.12	20.0	0.0	
50	QPSK	270	0	19.28	19.50	19.31			
50	16QAM	1	1	18.19	19.34	19.50	20.0	0.0	
50	64QAM	1	1	18.46	19.45	19.24	20.0	0.0	
50	256QAM	1	1	17.64	17.56	17.78	18.5	1.5	
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3473.01	3503.01	3533.00			
40	QPSK	1	53	18.78	18.84	18.81	20.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3467.02	3503.01	3540			
20	QPSK	1	26	18.85	19.04	18.92	20.0	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	QPSK	1	19	18.80	19.00	18.90	20.0	0.0	
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	QPSK	1	12	18.79	18.90	18.92	20.0	0.0	

PC2 n77_Ant8 DSI1&2&4 Default power									
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				648334	650000	663668			
Frequency (MHz)				3725.01	3840	3955.02			
50	PI2 BPSK	1	1	21.14	21.17	21.14			
50	PI2 BPSK	1	135	21.84	21.98	21.96	23.0	0.0	
50	PI2 BPSK	1	268	21.03	21.07	21.00			
50	PI2 BPSK	135	0	21.45	21.49	21.40	22.5	0.5	
50	PI2 BPSK	135	68	21.76	21.98	21.74	22.5	0.0	
50	PI2 BPSK	135	135	21.53	21.46	21.40	23.0	0.5	
50	PI2 BPSK	270	0	21.21	21.46	21.20			
50	QPSK	1	1	21.15	21.12	21.23			
50	QPSK	1	135	21.89	22.05	21.93	23.0	0.0	
50	QPSK	1	268	21.00	21.00	21.11			
50	QPSK	135	0	20.99	21.03	21.01	22.0	1.0	
50	QPSK	135	68	21.85	22.00	21.85	22.0	0.0	
50	QPSK	135	135	20.83	20.90	20.75	22.0	1.0	
50	QPSK	270	0	20.98	21.11	20.93			
50	16QAM	1	1	20.93	21.06	20.84	22.0	1.0	
50	64QAM	1	1	19.55	19.57	19.63	20.5	2.5	
50	256QAM	1	1	17.50	17.70	17.73	18.5	4.5	
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	53	21.83	21.88	21.80	23.0	0.0	
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	26	21.01	21.93	21.92	23.0	0.0	
Channel				647168	650000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	19	21.77	21.85	21.92	23.0	0.0	
Channel				645000	650000	655000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	12	22.00	21.89	21.92	23.0	0.0	



**Par27Q PC2 n77\_Ant8 DSI1&2&4 Default power**

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				631668	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525		
50	Pi2 BPSK	1	1	21.00	21.09	21.11		
50	Pi2 BPSK	1	135	21.84	21.89	21.71	23.0	0.0
50	Pi2 BPSK	1	268	21.17	21.23	21.02		
50	Pi2 BPSK	135	0	21.31	21.37	21.20	22.5	0.5
50	Pi2 BPSK	135	68	21.86	21.73	21.52	23.0	0.0
50	Pi2 BPSK	135	135	21.42	21.50	21.27	22.5	0.5
50	Pi2 BPSK	270	0	21.47	21.52	21.36		
50	QPSK	1	1	21.08	21.17	21.23		
50	QPSK	1	135	22.01	22.09	21.90	23.0	0.0
50	QPSK	1	268	21.07	21.12	21.16		
50	QPSK	135	0	20.94	21.01	20.82	22.0	1.0
50	QPSK	135	68	21.95	22.02	21.80	23.0	0.0
50	QPSK	135	135	20.81	20.88	20.67	22.0	1.0
50	QPSK	270	0	21.02	21.10	20.91		
50	16QAM	1	1	20.86	20.96	20.76	22.0	1.0
50	64QAM	1	1	19.55	19.64	19.41	20.5	2.5
50	256QAM	1	1	17.58	17.65	17.44	18.5	4.5
Channel				631334	633334	635332	Tune-up limit (dB)	MPR
Frequency (MHz)				3470.01	3500.01	3530.00	(dB)	(dB)
40	QPSK	1	53	21.98	22.06	21.78	23.0	0.0
Channel				630668	633334	636000	Tune-up limit (dB)	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dB)	(dB)
20	QPSK	1	26	21.52	21.52	21.52	23.0	0.0
Channel				630500	633334	636166	Tune-up limit (dB)	MPR
Frequency (MHz)				3457.5	3500.01	3542.49	(dB)	(dB)
15	QPSK	1	19	21.99	22.07	21.76	23.0	0.0
Channel				635334	633334	633332	Tune-up limit (dB)	MPR
Frequency (MHz)				3456.01	3500.01	3544.98	(dB)	(dB)
10	QPSK	1	12	21.83	21.88	21.83	23.0	0.0

**PC3 n78\_Ant8 DSI1&2&4 Default power**

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				648334	650000	651666		
Frequency (MHz)				3755.01	3750	3755.02		
50	Pi2 BPSK	1	1	18.36	18.49	18.38		
50	Pi2 BPSK	1	135	19.53	19.59	19.51	20.0	0.0
50	Pi2 BPSK	1	268	18.54	18.49	18.46		
50	Pi2 BPSK	135	0	19.58	19.42	19.48	20.0	0.0
50	Pi2 BPSK	135	68	19.39	19.59	19.59	20.0	0.0
50	Pi2 BPSK	135	135	19.57	19.38	19.57	20.0	0.0
50	Pi2 BPSK	270	0	19.40	19.56	19.61		
50	QPSK	1	1	18.34	18.61	18.32		
50	QPSK	1	135	19.58	19.07	19.54	20.0	0.0
50	QPSK	1	268	18.45	18.59	18.34		
50	QPSK	135	0	19.44	19.47	19.44	20.0	0.0
50	QPSK	135	68	19.53	19.94	19.47	20.0	0.0
50	QPSK	135	135	19.38	19.57	19.32	20.0	0.0
50	QPSK	270	0	19.83	19.66	19.45		
50	16QAM	1	1	18.40	18.62	18.34	20.0	0.0
50	64QAM	1	1	18.82	19.61	19.46	20.0	0.0
50	256QAM	1	1	18.05	18.27	18.22	18.5	1.5
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3750	3750	3750	(dBm)	(dB)
40	QPSK	1	53	18.90	18.97	18.62	20.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
20	QPSK	1	26	18.32	18.94	18.70	20.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)
15	QPSK	1	19	18.72	19.02	18.82	20.0	0.0
Channel				652000	650000	650000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3705	3750	3705	(dBm)	(dB)
10	QPSK	1	12	18.81	18.96	18.66	20.0	0.0

**Par27Q PC3 n78\_Ant8 DSI1&2&4 Default power**

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				631668	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525		
50	Pi2 BPSK	1	1	18.01	18.18	18.04		
50	Pi2 BPSK	1	135	19.20	19.26	19.18	20.0	0.0
50	Pi2 BPSK	1	268	18.22	18.17	18.14		
50	Pi2 BPSK	135	0	19.24	19.09	19.15	20.0	0.0
50	Pi2 BPSK	135	68	19.08	19.26	19.25	20.0	0.0
50	Pi2 BPSK	135	135	19.25	19.03	19.23	20.0	0.0
50	Pi2 BPSK	270	0	19.06	19.26	19.29		
50	QPSK	1	1	18.05	18.29	18.09		
50	QPSK	1	135	19.24	19.31	19.21	20.0	0.0
50	QPSK	1	268	18.12	18.28	18.08		
50	QPSK	135	0	19.18	19.14	19.12	20.0	0.0
50	QPSK	135	68	19.19	19.38	19.16	20.0	0.0
50	QPSK	135	135	19.04	19.28	19.00	20.0	0.0
50	QPSK	270	0	19.32	19.34	19.13		
50	16QAM	1	1	18.07	18.26	18.00	20.0	0.0
50	64QAM	1	1	18.29	19.14	19.00	20.0	0.0
50	256QAM	1	1	17.71	17.98	17.89	18.5	1.5
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR
Frequency (MHz)				3470.01	3500.01	3530.00	(dBm)	(dB)
40	QPSK	1	53	18.74	19.15	18.95	20.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	26	18.70	18.90	18.83	20.0	0.0
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR
Frequency (MHz)				3457.5	3500.01	3542.49	(dBm)	(dB)
15	QPSK	1	19	18.79	19.07	18.76	20.0	0.0
Channel				635334	633334	633332	Tune-up limit (dBm)	MPR
Frequency (MHz)				3456.01	3500.01	3544.98	(dBm)	(dB)
10	QPSK	1	12	18.67	18.94	18.95	20.0	0.0



PC2 n78_Ant8 DSI1&2&4 Default power								
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				648334	650000	651666		
Frequency (MHz)				3752.01	3750	3752.02		
50	PI2 BPSK	1	1	21.06	21.16	21.28		
50	PI2 BPSK	1	135	21.82	21.85	21.85	23.0	0.0
50	PI2 BPSK	1	268	21.04	21.16	21.28		
50	PI2 BPSK	135	0	21.13	21.16	21.06	22.5	0.5
50	PI2 BPSK	135	68	21.43	21.66	21.42	23.0	0.0
50	PI2 BPSK	135	135	21.18	21.14	21.08		
50	PI2 BPSK	270	0	20.99	21.13	20.88	22.5	0.5
50	QPSK	1	1	21.06	21.25	21.31		
50	QPSK	1	135	21.54	21.73	21.81	23.0	0.0
50	QPSK	1	268	21.15	21.30	21.15		
50	QPSK	135	0	20.56	20.68	20.56	22.0	1.0
50	QPSK	135	68	21.31	21.65	21.52	23.0	0.0
50	QPSK	135	135	20.50	20.55	20.42	22.0	1.0
50	QPSK	270	0	20.64	20.79	20.62		
50	16QAM	1	1	20.58	20.77	20.51	22.0	1.0
50	64QAM	1	1	19.22	19.25	19.30	20.5	2.5
50	256QAM	1	1	17.16	17.37	17.39	18.5	4.5
Channel				649000	650000	652000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3750	3750	3750	(dBm)	(dB)
40	QPSK	1	53	21.59	21.80	21.79	23.0	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	26	21.55	21.80	21.85	23.0	0.0
Channel				647168	650000	652334	Tune-up limit (dBm)	MPR
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)
15	QPSK	1	19	21.58	21.88	21.83	23.0	0.0
Channel				645000	650000	653000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	12	21.84	21.78	21.90	23.0	0.0

Par27Q PC2 n78_Ant8 DSI1&2&4 Default power								
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				631668	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525.01		
50	PI2 BPSK	1	1	21.16	21.12	21.29		
50	PI2 BPSK	1	135	21.49	21.54	21.37	23.0	0.0
50	PI2 BPSK	1	268	21.31	21.50	21.16		
50	PI2 BPSK	135	0	21.00	21.08	20.88	22.5	0.5
50	PI2 BPSK	135	68	21.32	21.40	21.19	23.0	0.0
50	PI2 BPSK	135	135	21.09	21.16	20.95		
50	PI2 BPSK	270	0	21.14	21.20	21.01	22.5	0.5
50	QPSK	1	1	21.16	21.15	21.11		
50	QPSK	1	135	21.70	21.77	21.58	23.0	0.0
50	QPSK	1	268	21.32	21.19	21.23		
50	QPSK	135	0	20.83	20.87	20.48	22.0	1.0
50	QPSK	135	68	21.61	21.70	21.47	23.0	0.0
50	QPSK	135	135	20.48	20.54	20.35	22.0	1.0
50	QPSK	270	0	20.69	20.77	20.58		
50	16QAM	1	1	20.54	20.62	20.44	22.0	1.0
50	64QAM	1	1	19.22	19.32	19.06	20.5	2.5
50	256QAM	1	1	17.23	17.31	17.11	18.5	4.5
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR
Frequency (MHz)				3470.01	3500.01	3529.99	(dBm)	(dB)
40	QPSK	1	53	21.63	21.81	21.80	23.0	0.0
Channel				639668	633334	638000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3450.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	26	21.71	21.71	21.61	23.0	0.0
Channel				635500	633334	636166	Tune-up limit (dBm)	MPR
Frequency (MHz)				3427.5	3500.01	3442.49	(dBm)	(dB)
15	QPSK	1	19	21.71	21.74	21.64	23.0	0.0
Channel				635334	633334	635332	Tune-up limit (dBm)	MPR
Frequency (MHz)				3456.01	3500.01	3544.88	(dBm)	(dB)
10	QPSK	1	12	21.83	21.85	21.80	23.0	0.0



For DFT-30

n5_Ant0 DSI1&2&3 Default power								
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		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	23.36	23.55	23.25	25.0	0.0
20	PI/2 BPSK	1	26	23.62	23.81	23.51		
20	PI/2 BPSK	1	49	23.49	23.68	23.38		
20	PI/2 BPSK	25	0	23.16	23.36	23.06	24.5	0.5
20	PI/2 BPSK	25	13	23.67	23.88	23.58	25.0	0.0
20	PI/2 BPSK	25	26	23.15	23.35	23.05	24.5	0.5
20	PI/2 BPSK	50	0	23.18	23.37	23.06		
20	QPSK	1	1	23.88	23.98	23.79		
20	QPSK	1	26	23.89	23.99	23.78	25.0	0.0
20	QPSK	1	49	23.65	23.85	23.56		
20	QPSK	25	0	22.86	22.88	22.90		
20	QPSK	25	13	23.68	23.89	23.59	24.0	1.0
20	QPSK	25	26	22.65	22.85	22.55	25.0	0.0
20	QPSK	50	0	22.63	22.82	22.53		
20	QPSK	50	0	22.13	22.34	22.04		
20	16QAM	1	1	20.64	20.85	20.55	24.0	1.0
20	64QAM	1	1	20.64	20.85	20.55	22.5	2.5
20	256QAM	1	1	19.38	19.49	19.26	20.5	4.5
Channel				166300	167300	168300		
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	40	23.65	23.90	23.68	25.0	0.0
Channel				168300	167300	168300		
Frequency (MHz)				839	836.5	844		
10	QPSK	1	26	23.78	23.84	23.61	25.0	0.0

n7_ DSI1 Default power								
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				502000	507000	512000		
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	23.06	23.26	23.24	25.0	0.0
20	PI/2 BPSK	1	26	23.21	23.40	23.38		
20	PI/2 BPSK	1	49	23.02	23.20	23.18		
20	PI/2 BPSK	25	0	22.80	22.99	22.96	24.5	0.5
20	PI/2 BPSK	25	13	23.26	23.46	23.43	25.0	0.0
20	PI/2 BPSK	25	26	22.71	22.90	22.88	24.5	0.5
20	PI/2 BPSK	50	0	22.79	22.99	22.97		
20	QPSK	1	1	23.41	23.61	23.60		
20	QPSK	1	26	23.49	23.68	23.65	25.0	0.0
20	QPSK	1	49	23.25	23.44	23.42		
20	QPSK	25	0	22.57	22.59	22.60		
20	QPSK	25	13	23.30	23.49	23.46	24.0	1.0
20	QPSK	25	26	22.18	22.39	22.37	24.0	1.0
20	QPSK	50	0	22.26	22.45	22.44		
20	QPSK	50	0	22.26	22.45	22.44		
20	16QAM	1	1	22.37	22.44	22.36	24.0	1.0
20	64QAM	1	1	20.56	20.55	20.53	22.5	2.5
20	256QAM	1	1	18.94	19.14	19.11	20.5	4.5
Channel				501500	507000	512500		
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	40	23.39	23.48	23.40	25.0	0.0
Channel				501000	507000	513000		
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	26	23.40	23.41	23.50	25.0	0.0



n38_Ant0 DSI1&2 Default power							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	MPR (dB)
Channel				516044	516000	516988	
Frequency (MHz)				2580.02	2595	2599.98	
40	PI2 BPSK	1	1	24.09	24.06	24.00	
40	PI2 BPSK	1	53	24.47	24.49	24.37	
40	PI2 BPSK	1	104	24.02	24.04	24.02	25.0
40	PI2 BPSK	50	0	23.67	23.69	23.58	24.5
40	PI2 BPSK	50	28	24.21	24.28	24.12	25.0
40	PI2 BPSK	50	56	23.56	23.58	23.46	24.5
40	PI2 BPSK	100	0	23.63	23.66	23.56	25.0
40	QPSK	1	1	24.07	24.20	24.08	
40	QPSK	1	53	24.47	24.55	24.37	
40	QPSK	1	104	23.75	23.76	23.63	25.0
40	QPSK	50	0	23.13	23.16	23.03	24.0
40	QPSK	50	28	24.16	24.19	24.07	25.0
40	QPSK	50	56	23.00	23.02	22.91	24.0
40	QPSK	100	0	23.10	23.11	22.98	24.0
40	16QAM	1	1	22.44	22.46	22.34	24.0
40	64QAM	1	1	21.73	21.86	21.63	22.5
40	256QAM	1	1	19.62	19.64	19.52	20.5
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	MPR (dB)
20	QPSK	1	26	24.22	24.41	24.10	25.0
Channel				516022	519020	522020	Tune-up limit (dBm)
Frequency (MHz)				2577.51	2595	2612.49	MPR (dB)
15	QPSK	1	19	24.25	24.30	24.18	25.0
Channel				516004	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2581.62	2595	2614.98	MPR (dB)
10	QPSK	1	12	24.37	24.44	24.21	25.0

PC3 n41_Ant0 DSI1 Default power							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	MPR (dB)
Channel				502000	518998	529998	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI2 BPSK	1	1	21.88	22.06	22.04	
100	PI2 BPSK	1	137	21.95	22.12	22.12	
100	PI2 BPSK	1	271	21.91	21.92	21.76	23.0
100	PI2 BPSK	135	0	22.03	22.05	21.80	23.0
100	PI2 BPSK	135	69	22.00	22.03	21.89	23.0
100	PI2 BPSK	135	138	21.99	22.06	22.05	23.0
100	PI2 BPSK	270	0	21.93	22.06	21.96	23.0
100	QPSK	1	1	21.94	22.10	22.09	
100	QPSK	1	137	21.89	22.18	21.78	23.0
100	QPSK	1	271	21.94	22.01	21.98	
100	QPSK	135	0	21.88	22.03	21.82	23.0
100	QPSK	135	69	22.00	22.10	22.06	23.0
100	QPSK	135	138	22.04	22.08	22.03	23.0
100	QPSK	270	0	21.92	22.00	21.84	23.0
100	16QAM	1	1	21.78	21.96	21.82	23.0
100	64QAM	1	1	21.79	21.87	21.69	23.0
100	256QAM	1	1	20.51	20.68	20.52	21.5
Channel				508000	518998	528998	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	MPR (dB)
90	QPSK	1	123	21.87	21.97	21.63	23.0
Channel				502024	518998	529998	Tune-up limit (dBm)
Frequency (MHz)				2538.02	2592.99	2649.99	MPR (dB)
80	QPSK	1	109	21.89	22.15	21.66	23.0
Channel				505200	518998	531998	Tune-up limit (dBm)
Frequency (MHz)				2536	2592.99	2659.98	MPR (dB)
60	QPSK	1	81	21.78	22.00	21.59	23.0
Channel				504204	518998	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	MPR (dB)
50	QPSK	1	67	21.73	22.14	21.60	23.0
Channel				502028	518998	533000	Tune-up limit (dBm)
Frequency (MHz)				2518.01	2592.99	2670	MPR (dB)
40	QPSK	1	53	21.72	22.04	21.74	23.0
Channel				502200	518998	534998	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	MPR (dB)
30	QPSK	1	39	21.82	22.03	21.63	23.0
Channel				501204	518998	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	MPR (dB)
20	QPSK	1	26	21.79	22.02	21.74	23.0
Channel				500700	518998	536998	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	MPR (dB)
15	QPSK	1	19	21.67	22.09	21.76	23.0
Channel				500202	518998	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	MPR (dB)
10	QPSK	1	12	21.83	22.09	21.59	23.0

PC2 n41_Ant0 DSI1 Default power							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	MPR (dB)
Channel				502000	518998	529998	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI2 BPSK	1	1	25.19	25.25	25.25	
100	PI2 BPSK	1	137	24.97	25.13	24.96	
100	PI2 BPSK	1	271	25.04	25.17	25.02	25.5
100	PI2 BPSK	135	0	24.43	24.83	24.63	25.0
100	PI2 BPSK	135	69	24.81	24.95	24.86	25.5
100	PI2 BPSK	135	138	24.22	24.42	24.28	25.0
100	PI2 BPSK	270	0	24.25	24.25	24.25	25.0
100	QPSK	1	1	25.08	25.19	25.13	
100	QPSK	1	137	24.95	25.26	24.84	25.5
100	QPSK	1	271	25.17	25.21	25.13	
100	QPSK	135	0	24.04	24.05	23.83	24.5
100	QPSK	135	69	24.99	25.15	24.86	25.5
100	QPSK	135	138	23.95	24.08	23.97	24.5
100	QPSK	270	0	23.78	23.80	23.78	24.5
100	16QAM	1	1	23.59	23.79	23.74	24.5
100	64QAM	1	1	22.47	22.59	22.56	23.0
100	256QAM	1	1	20.52	20.53	20.48	21.0
Channel				508000	518998	528998	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	MPR (dB)
90	QPSK	1	123	24.95	25.08	24.74	25.5
Channel				502024	518998	529998	Tune-up limit (dBm)
Frequency (MHz)				2538.02	2592.99	2649.99	MPR (dB)
80	QPSK	1	109	24.88	25.24	24.67	25.5
Channel				505200	518998	531998	Tune-up limit (dBm)
Frequency (MHz)				2536	2592.99	2659.98	MPR (dB)
60	QPSK	1	81	24.86	25.11	24.64	25.5
Channel				504204	518998	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	MPR (dB)
50	QPSK	1	67	24.90	25.10	24.74	25.5
Channel				502028	518998	533000	Tune-up limit (dBm)
Frequency (MHz)				2518.01	2592.99	2670	MPR (dB)
40	QPSK	1	53	24.78	25.20	24.83	25.5
Channel				502200	518998	534998	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	MPR (dB)
30	QPSK	1	39	24.90	25.18	24.70	25.5
Channel				501204	518998	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	MPR (dB)
20	QPSK	1	26	24.87	25.12	24.74	25.5
Channel				500700	518998	536998	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	MPR (dB)
15	QPSK	1	19	24.82	25.10	24.79	25.5
Channel				500202	518998	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	MPR (dB)
10	QPSK	1	12	24.79	25.23	24.67	25.5



n66_Ant1 DSI1&2 Default power								
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	23.99	24.13	23.91		
40	PI/2 BPSK	1	53	24.27	24.42	24.30	25.5	0.0
40	PI/2 BPSK	1	104	23.96	24.14	24.01		
40	PI/2 BPSK	50	0	23.45	23.63	23.60	25.0	0.5
40	PI/2 BPSK	50	28	24.28	24.34	24.26	25.5	0.0
40	PI/2 BPSK	50	56	23.41	23.54	23.40		
40	PI/2 BPSK	100	0	23.33	23.58	23.48	25.0	0.5
40	QPSK	1	1	23.95	23.97	23.94		
40	QPSK	1	53	24.29	24.44	24.32	25.5	0.0
40	QPSK	1	104	24.12	24.21	24.06		
40	QPSK	50	0	23.19	23.24	23.04	24.5	1.0
40	QPSK	50	28	24.09	24.24	24.15	25.5	0.0
40	QPSK	50	56	23.06	23.20	22.98		
40	QPSK	100	0	23.21	23.28	23.24	24.5	1.0
40	16QAM	1	1	23.10	23.20	23.05	24.5	1.0
40	64QAM	1	1	21.61	21.68	21.57	23.0	2.5
40	256QAM	1	1	19.84	19.92	19.82	21.0	4.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	80	24.05	24.35	24.12	25.5	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	67	24.18	24.30	24.23	25.5	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	26	24.07	24.29	24.18	25.5	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	19	24.16	24.18	24.21	25.5	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	12	24.15	24.29	24.08	25.5	0.0



### PC3 n77\_Ant1 DSI1&2 Default power

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	19.53	19.69	19.84		
100	PI2 BPSK	1	137	19.34	19.55	19.43	20.5	0.0
100	PI2 BPSK	1	271	18.63	18.81	18.61		
100	PI2 BPSK	136	0	19.37	19.54	19.46	20.5	0.0
100	PI2 BPSK	136	69	19.38	19.60	19.47	20.5	0.0
100	PI2 BPSK	136	138	19.52	19.59	19.43	20.5	0.0
100	PI2 BPSK	270	0	19.44	19.59	19.46		
100	QPSK	1	1	18.59	18.59	18.53		
100	QPSK	1	137	19.05	19.71	19.68	20.5	0.0
100	QPSK	1	271	18.85	18.64	18.50		
100	QPSK	136	0	19.55	19.58	19.56	20.5	0.0
100	QPSK	136	69	19.45	19.60	19.80	20.5	0.0
100	QPSK	136	138	19.39	19.45	19.39		
100	QPSK	270	0	19.36	19.42	19.40		
100	16QAM	1	1	19.22	19.39	19.28	20.5	0.0
100	16QAM	1	1	19.26	19.37	19.30	20.5	0.0
100	16QAM	1	1	18.18	18.33	18.14	19.0	1.5
Channel								
Frequency (MHz)				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	123	19.45	19.62	19.51	20.5	0.0
Channel								
Frequency (MHz)				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	109	19.49	19.53	19.61	20.5	0.0
Channel								
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	96	19.45	19.64	19.70	20.5	0.0
Channel								
Frequency (MHz)				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	81	19.63	19.64	19.49	20.5	0.0
Channel								
Frequency (MHz)				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	67	19.54	19.58	19.50	20.5	0.0
Channel								
Frequency (MHz)				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	53	19.81	19.86	19.69	20.5	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	26	19.51	19.70	19.68	20.5	0.0
Channel								
Frequency (MHz)				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	19	19.65	19.52	19.54	20.5	0.0
Channel								
Frequency (MHz)				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	12	19.47	19.69	19.54	20.5	0.0

### Par27Q PC3 n77\_Ant1 DSI1&2 Default power

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)						3500.01		
100	PI2 BPSK	1	1			19.52		
100	PI2 BPSK	1	137			19.33	20.5	0.0
100	PI2 BPSK	1	271			18.63		
100	PI2 BPSK	136	0			19.31	20.5	0.0
100	PI2 BPSK	136	69			19.27	20.5	0.0
100	PI2 BPSK	136	138			19.23	20.5	0.0
100	PI2 BPSK	270	0			19.24		
100	QPSK	1	1			18.64		
100	QPSK	1	137			19.68	20.5	0.0
100	QPSK	1	271			18.56		
100	QPSK	136	0			19.26	20.5	0.0
100	QPSK	136	69			19.39	20.5	0.0
100	QPSK	136	138			19.24		
100	QPSK	270	0			19.01		
100	16QAM	1	1			19.19	20.5	0.0
100	16QAM	1	1			19.13	20.5	0.0
100	16QAM	1	1			18.15	19.0	1.5
Channel								
Frequency (MHz)				633600	633334	633668	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	123	19.16	19.28	19.01	20.5	0.0
Channel								
Frequency (MHz)				633668	633334	633600	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	109	19.12	19.11	19.89	20.5	0.0
Channel								
Frequency (MHz)				3460.02	3500.01	3510		
70	QPSK	1	96	19.16	19.15	19.04	20.5	0.0
Channel								
Frequency (MHz)				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	81	19.27	19.09	19.07	20.5	0.0
Channel								
Frequency (MHz)				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	67	19.21	19.11	19.00	20.5	0.0
Channel								
Frequency (MHz)				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	53	19.28	19.27	19.88	20.5	0.0
Channel								
Frequency (MHz)				3460.02	3500.01	3510		
20	QPSK	1	26	19.29	19.29	19.08	20.5	0.0
Channel								
Frequency (MHz)				633600	633334	634168	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	19	19.27	19.09	19.04	20.5	0.0
Channel								
Frequency (MHz)				633334	633334	634332	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	12	19.22	19.12	18.99	20.5	0.0

### PC2 n77\_Ant1 DSI1&2 Default power

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	21.55	21.75	21.63		
100	PI2 BPSK	1	137	22.46	22.80	22.52	23.5	0.0
100	PI2 BPSK	1	271	21.54	21.70	21.50		
100	PI2 BPSK	136	0	21.90	21.97	21.89	23.0	0.5
100	PI2 BPSK	136	69	22.51	22.54	22.43	23.5	0.0
100	PI2 BPSK	136	138	21.94	22.01	21.90		
100	PI2 BPSK	270	0	21.97	21.98	21.87	23.0	0.5
100	QPSK	1	1	21.65	21.74	21.87		
100	QPSK	1	137	22.41	22.61	22.55	23.5	0.0
100	QPSK	1	271	21.78	21.89	21.60		
100	QPSK	136	0	21.27	21.45	21.29	22.5	1.0
100	QPSK	136	69	22.26	22.51	22.26	23.5	0.0
100	QPSK	136	138	21.44	21.49	21.47		
100	QPSK	270	0	21.27	21.46	21.27		
100	16QAM	1	1	21.10	21.24	21.10	22.5	1.0
100	16QAM	1	1	19.93	20.08	20.03	21.0	2.5
100	16QAM	1	1	18.39	18.38	18.38	19.0	4.5
Channel								
Frequency (MHz)				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	123	22.29	22.60	22.58	23.5	0.0
Channel								
Frequency (MHz)				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	109	22.41	22.47	22.39	23.5	0.0
Channel								
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	96	22.36	22.52	22.52	23.5	0.0
Channel								
Frequency (MHz)				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	81	22.40	22.52	22.39	23.5	0.0
Channel								
Frequency (MHz)				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	67	22.39	22.59	22.47	23.5	0.0
Channel								
Frequency (MHz)				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	53	22.52	22.42	22.39	23.5	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	26	22.37	22.47	22.52	23.5	0.0
Channel								
Frequency (MHz)				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	19	22.27	22.47	22.43	23.5	0.0
Channel								
Frequency (MHz)				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	12	22.29	22.41	22.36	23.5	0.0





**Par27Q PC2 n77\_Ant1 DSI1&2 Default power**

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	21.5	3000.0			
100	PI2 BPSK	1	137	22.39		23.5	0.0	
100	PI2 BPSK	1	271	21.50				
100	PI2 BPSK	135	0	21.79		23.0	0.5	
100	PI2 BPSK	135	69	22.44		23.5	0.0	
100	PI2 BPSK	135	138	21.97				
100	PI2 BPSK	270	0	21.92		23.0	0.5	
100	QPSK	1	1	21.62				
100	QPSK	1	137	22.53		23.5	0.0	
100	QPSK	1	271	21.50				
100	QPSK	135	0	21.36		22.5	1.0	
100	QPSK	135	69	22.31		23.5	0.0	
100	QPSK	135	138	21.32				
100	QPSK	270	0	21.45		22.5	1.0	
100	16QAM	1	1	21.14		22.5	1.0	
100	64QAM	1	1	19.96		21.0	2.5	
100	256QAM	1	1	18.33		19.0	4.5	
Channel								
Frequency (MHz)								
90	QPSK	1	123	22.42	22.34	22.17	23.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	109	3486.02	3500.01	3510.98	23.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	95	22.42	22.26	22.20	23.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	81	22.27	22.28	22.20	23.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	67	631668	633334	635000	23.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	53	3470.01	3500.01	3529.98	23.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	26	22.43	22.45	22.39	23.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	19	22.31	22.38	22.20	23.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	12	630334	633334	636332	23.5	0.0

**PC3 n78\_Ant1 DSI1&2 Default power**

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		3750			
100	PI2 BPSK	1	137	18.74		20.5	0.0	
100	PI2 BPSK	1	271	19.89				
100	PI2 BPSK	135	0	19.70		20.5	0.0	
100	PI2 BPSK	135	69	19.85		20.5	0.0	
100	PI2 BPSK	135	138	19.78				
100	PI2 BPSK	270	0	19.52		20.5	0.0	
100	QPSK	1	1	18.77				
100	QPSK	1	137	19.91		20.5	0.0	
100	QPSK	1	271	19.04				
100	QPSK	135	0	19.73		20.5	0.0	
100	QPSK	135	69	19.88		20.5	0.0	
100	QPSK	135	138	19.82				
100	QPSK	270	0	19.79		20.5	0.0	
100	16QAM	1	1	19.56		20.5	0.0	
100	64QAM	1	1	18.41		20.5	0.0	
100	256QAM	1	1	18.71		19.0	1.5	
Channel								
Frequency (MHz)								
90	QPSK	1	123	3745.02	3750	3755.01	20.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	109	64898	65000	65034	20.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	95	19.84	19.87	19.68	20.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	81	64898	65000	65134	20.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	67	64898	65000	65162	20.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	53	3725.01	3750	3770.01	20.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	26	19.83	19.88	19.83	20.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	19	64700	65000	65251	20.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	12	3705	3750	3795	20.5	0.0

**Par27Q PC3 n78\_Ant1 DSI1&2 Default power**

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		3500.01			
100	PI2 BPSK	1	137	18.63		20.5	0.0	
100	PI2 BPSK	1	271	19.38				
100	PI2 BPSK	135	0	19.18		20.5	0.0	
100	PI2 BPSK	135	69	19.41		20.5	0.0	
100	PI2 BPSK	135	138	19.33				
100	PI2 BPSK	270	0	19.22		20.5	0.0	
100	QPSK	1	1	18.53				
100	QPSK	1	137	19.50		20.5	0.0	
100	QPSK	1	271	18.60				
100	QPSK	135	0	19.36		20.5	0.0	
100	QPSK	135	69	19.44		20.5	0.0	
100	QPSK	135	138	19.33				
100	QPSK	270	0	19.47		20.5	0.0	
100	16QAM	1	1	19.18		20.5	0.0	
100	64QAM	1	1	19.17		20.5	0.0	
100	256QAM	1	1	18.32		19.0	1.5	
Channel								
Frequency (MHz)								
90	QPSK	1	123	3495	3500.01	3504.99	20.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	109	63268	63334	63400	20.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	95	19.32	19.31	19.25	20.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	81	63200	63334	63466	20.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	67	63200	63334	63498	20.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	53	3470.01	3500.01	3529.98	20.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	26	19.38	19.34	19.23	20.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	19	63034	63334	63632	20.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	12	19.29	19.32	19.30	20.5	0.0



PC2 n78_Ant1 DSI1&2 Default power							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F. Freq.	Power Middle Ch. F. Freq.	Power High Ch. F. Freq.	MPR (dB)
Channel							
Frequency (MHz)							
100	Pl2 BPSK	1	1	21.51	3750		
100	Pl2 BPSK	1	137	22.59			23.5
100	Pl2 BPSK	1	271	21.81			
100	Pl2 BPSK	135	0	22.01			23.0
100	Pl2 BPSK	135	69	22.97			23.5
100	Pl2 BPSK	135	138	22.07			23.0
100	Pl2 BPSK	270	0	22.07			23.0
100	QPSK	1	1	21.46			23.5
100	QPSK	1	137	22.00			
100	QPSK	1	271	21.81			
100	QPSK	135	0	21.48			22.5
100	QPSK	135	69	22.59			23.5
100	QPSK	135	138	21.97			22.5
100	QPSK	270	0	21.58			22.5
100	16QAM	1	1	21.48			22.5
100	16QAM	1	1	20.14			21.0
100	16QAM	1	1	18.23			19.0
Channel							
Frequency (MHz)							
90	QPSK	1	123	22.52	22.21	22.38	23.5
Channel							
Frequency (MHz)							
80	QPSK	1	109	22.55	22.40	22.30	23.5
Channel							
Frequency (MHz)							
70	QPSK	1	96	22.49	22.57	22.35	23.5
Channel							
Frequency (MHz)							
60	QPSK	1	81	22.58	22.39	22.40	23.5
Channel							
Frequency (MHz)							
50	QPSK	1	67	22.55	22.43	22.29	23.5
Channel							
Frequency (MHz)							
40	QPSK	1	53	22.42	22.39	22.45	23.5
Channel							
Frequency (MHz)							
20	QPSK	1	26	22.40	22.57	22.38	23.5
Channel							
Frequency (MHz)							
15	QPSK	1	19	22.43	22.50	22.47	23.5
Channel							
Frequency (MHz)							
10	QPSK	1	12	22.59	22.48	22.40	23.5

Par27Q PC2 n78_Ant1 DSI1&2 Default power							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F. Freq.	Power Middle Ch. F. Freq.	Power High Ch. F. Freq.	MPR (dB)
Channel							
Frequency (MHz)							
100	Pl2 BPSK	1	1	21.59	350.01		
100	Pl2 BPSK	1	137	22.30			23.5
100	Pl2 BPSK	1	271	21.82			
100	Pl2 BPSK	135	0	21.79			23.0
100	Pl2 BPSK	135	69	22.95			23.5
100	Pl2 BPSK	135	138	21.79			23.0
100	Pl2 BPSK	270	0	21.90			23.0
100	QPSK	1	1	21.98			23.5
100	QPSK	1	137	22.44			
100	QPSK	1	271	21.92			
100	QPSK	135	0	21.23			22.5
100	QPSK	135	69	22.41			23.5
100	QPSK	135	138	21.48			22.5
100	QPSK	270	0	21.36			22.5
100	16QAM	1	1	21.33			22.5
100	16QAM	1	1	19.62			21.0
100	16QAM	1	1	18.11			19.0
Channel							
Frequency (MHz)							
90	QPSK	1	123	22.20	22.42	22.07	23.5
Channel							
Frequency (MHz)							
80	QPSK	1	109	22.33	22.25	22.18	23.5
Channel							
Frequency (MHz)							
70	QPSK	1	96	22.31	22.28	22.05	23.5
Channel							
Frequency (MHz)							
60	QPSK	1	81	22.34	22.41	22.25	23.5
Channel							
Frequency (MHz)							
50	QPSK	1	67	22.33	22.40	22.11	23.5
Channel							
Frequency (MHz)							
40	QPSK	1	53	22.38	22.43	22.17	23.5
Channel							
Frequency (MHz)							
20	QPSK	1	26	22.33	22.30	22.08	23.5
Channel							
Frequency (MHz)							
15	QPSK	1	19	22.24	22.35	22.08	23.5
Channel							
Frequency (MHz)							
10	QPSK	1	12	22.36	22.28	22.19	23.5



n7_Ant2 DSI1&2 Default power									
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				502000	507000	512000			
Frequency (MHz)				2510	2535	2560	Tune-up limit (dBm)	MPR (dB)	
20	PI/2 BPSK	1	1	23.07	23.17	23.09	24.5	0.0	
20	PI/2 BPSK	1	26	23.15	23.19	23.18			
20	PI/2 BPSK	1	49	23.07	23.15	23.14			
20	PI/2 BPSK	25	0	22.71	22.66	22.66	24.0	0.5	
20	PI/2 BPSK	25	13	23.12	23.12	23.01	24.5	0.0	
20	PI/2 BPSK	25	26	22.58	22.67	22.56	24.0	0.5	
20	PI/2 BPSK	50	0	22.62	22.71	22.76			
20	QPSK	1	1	23.05	23.26	23.12			
20	QPSK	1	26	23.16	23.31	23.25	24.5	0.0	
20	QPSK	1	49	23.09	23.16	23.01	23.5	1.0	
20	QPSK	25	0	22.05	22.12	22.01			
20	QPSK	25	13	23.03	23.11	23.08			
20	QPSK	25	26	22.09	22.11	22.10	23.5	1.0	
20	QPSK	50	0	22.04	22.10	22.02			
20	16QAM	1	1	22.03	22.06	22.05			
20	64QAM	1	1	20.69	20.78	20.80	22.0	2.5	
20	256QAM	1	1	18.81	18.85	18.89	20.0	4.5	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	40	22.81	23.11	23.01	24.5	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	26	22.91	23.11	23.03	24.5	0.0	

n66_Ant2 DSI1&2&4 Default power									
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	Tune-up limit (dBm)	MPR (dB)	
40	PI/2 BPSK	1	1	22.85	22.88	22.87	24.5	0.0	
40	PI/2 BPSK	1	53	23.23	23.19	23.13			
40	PI/2 BPSK	1	104	22.75	22.88	22.93			
40	PI/2 BPSK	50	0	22.23	22.34	22.21	24.0	0.5	
40	PI/2 BPSK	50	28	23.01	23.04	22.93	24.5	0.0	
40	PI/2 BPSK	50	56	22.37	22.36	22.31	24.0	0.5	
40	PI/2 BPSK	100	0	22.44	22.41	22.39			
40	QPSK	1	1	22.87	23.08	22.86			
40	QPSK	1	53	23.14	23.27	23.16	24.5	0.0	
40	QPSK	1	104	22.88	22.94	22.83			
40	QPSK	50	0	21.99	21.92	21.97			
40	QPSK	50	28	22.95	23.02	22.77	24.5	0.0	
40	QPSK	50	56	21.83	21.90	21.95	23.5	1.0	
40	QPSK	100	0	21.73	21.93	21.92			
40	16QAM	1	1	21.84	21.99	21.84			
40	64QAM	1	1	20.51	20.48	20.38	22.0	2.5	
40	256QAM	1	1	18.46	18.41	18.38	20.0	4.5	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	39	22.98	23.11	22.96	24.5	0.0	
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	32	22.86	23.05	23.06	24.5	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	26	22.92	23.10	22.93	24.5	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	19	23.06	23.08	22.96	24.5	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	12	22.96	23.12	22.95	24.5	0.0	



n38_Ant2 DSI1&2 Default power							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	MPR (dB)
Channel				519004	519000	519996	
Frequency (MHz)				2590.02	2595	2599.98	
40	PI2 BPSK	1	1	23.38	23.39	23.32	24.0
40	PI2 BPSK	1	53	23.79	23.79	23.82	24.0
40	PI2 BPSK	1	104	23.42	23.46	23.51	24.0
40	PI2 BPSK	50	0	23.08	23.16	23.04	23.5
40	PI2 BPSK	50	26	23.59	23.64	23.58	24.0
40	PI2 BPSK	50	56	22.96	23.01	23.00	23.5
40	PI2 BPSK	100	0	23.09	23.08	23.00	24.0
40	QPSK	1	1	23.47	23.54	23.51	24.0
40	QPSK	1	53	23.83	23.90	23.86	24.0
40	QPSK	1	104	23.47	23.47	23.32	24.0
40	QPSK	50	0	22.48	22.52	22.51	23.0
40	QPSK	50	26	23.36	23.32	23.51	24.0
40	QPSK	50	56	22.53	22.57	22.50	23.0
40	QPSK	100	0	22.34	22.46	23.07	24.0
40	16QAM	1	1	22.36	22.48	22.35	23.0
40	16QAM	1	1	20.95	20.99	20.93	21.5
40	256QAM	1	1	19.19	19.13	19.09	19.5
Channel				516000	519000	520000	
Frequency (MHz)				2560	2595	2610	
20	QPSK	1	26	23.57	23.62	23.66	24.0
Channel				515002	519000	522000	
Frequency (MHz)				2577.51	2595	2612.49	
15	QPSK	1	19	23.55	23.62	23.65	24.0
Channel				515004	519000	522996	
Frequency (MHz)				2579.02	2595	2614.98	
10	QPSK	1	12	23.68	23.77	23.89	24.0

PC3 n41_Ant2 DSI1&2 Default power							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	MPR (dB)
Channel				509202	516998	520000	
Frequency (MHz)				2646.01	2692.99	2640	
100	PI2 BPSK	1	1	22.73	22.72	22.70	24.0
100	PI2 BPSK	1	137	23.18	23.12	23.16	24.0
100	PI2 BPSK	1	271	23.10	23.05	23.00	24.0
100	PI2 BPSK	135	0	23.10	23.08	23.08	24.0
100	PI2 BPSK	135	69	23.07	23.13	23.12	24.0
100	PI2 BPSK	135	138	23.23	23.17	23.24	24.0
100	PI2 BPSK	270	0	23.25	23.19	23.25	24.0
100	QPSK	1	1	23.01	22.99	23.08	24.0
100	QPSK	1	137	23.24	23.33	23.26	24.0
100	QPSK	1	271	23.06	23.01	23.02	24.0
100	QPSK	135	0	23.11	23.28	23.17	24.0
100	QPSK	135	69	23.21	23.07	22.93	24.0
100	QPSK	135	138	23.28	23.24	23.23	24.0
100	QPSK	270	0	23.21	23.26	23.08	24.0
100	16QAM	1	1	22.75	22.78	22.76	24.0
100	16QAM	1	1	22.69	22.73	22.75	24.0
100	256QAM	1	1	22.31	22.24	22.20	22.5
Channel				508200	516998	520996	
Frequency (MHz)				2541	2592.99	2644.98	
90	QPSK	1	123	23.24	23.25	23.11	24.0
Channel				507204	516998	522996	
Frequency (MHz)				2538.02	2592.99	2649.99	
80	QPSK	1	109	23.12	23.28	23.01	24.0
Channel				505200	516998	531996	
Frequency (MHz)				2529	2592.99	2659.98	
60	QPSK	1	81	23.26	23.29	23.16	24.0
Channel				504204	516998	532998	
Frequency (MHz)				2521.02	2592.99	2664.99	
50	QPSK	1	67	23.10	23.13	23.08	24.0
Channel				503202	516998	534000	
Frequency (MHz)				2516.01	2592.99	2670	
40	QPSK	1	53	23.23	23.34	23.32	24.0
Channel				502200	516998	534996	
Frequency (MHz)				2511	2592.99	2674.98	
30	QPSK	1	39	23.13	23.23	23.23	24.0
Channel				501204	516998	535998	
Frequency (MHz)				2506.02	2592.99	2679.99	
20	QPSK	1	26	23.22	23.22	23.32	24.0
Channel				500202	516998	537000	
Frequency (MHz)				2501.01	2592.99	2685	
15	QPSK	1	19	23.33	23.29	23.21	24.0
Channel				500202	516998	537000	
Frequency (MHz)				2501.01	2592.99	2685	
10	QPSK	1	12	23.25	23.28	23.25	24.0

PC2 n41_Ant2 DSI1&2 Default power							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	MPR (dB)
Channel				509202	516998	520000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI2 BPSK	1	1	22.72	22.72	23.32	25.0
100	PI2 BPSK	1	137	23.61	23.68	23.78	25.0
100	PI2 BPSK	1	271	23.57	23.60	23.62	25.0
100	PI2 BPSK	135	0	23.60	23.70	23.70	24.5
100	PI2 BPSK	135	69	23.73	23.71	23.70	24.5
100	PI2 BPSK	135	138	23.99	24.02	23.96	24.5
100	PI2 BPSK	270	0	23.72	23.78	23.81	25.0
100	QPSK	1	1	23.37	23.51	23.50	25.0
100	QPSK	1	137	23.99	24.16	23.95	25.0
100	QPSK	1	271	23.80	23.73	23.68	25.0
100	QPSK	135	0	23.62	23.84	23.62	24.0
100	QPSK	135	69	23.90	23.93	23.87	25.0
100	QPSK	135	138	23.81	23.91	23.86	24.0
100	QPSK	270	0	23.76	23.85	23.77	24.0
100	16QAM	1	1	23.43	23.35	23.28	24.0
100	16QAM	1	1	22.36	22.33	22.26	22.5
100	256QAM	1	1	20.27	20.29	20.30	20.5
Channel				508200	516998	520996	
Frequency (MHz)				2541	2592.99	2644.98	
90	QPSK	1	123	23.96	24.14	23.67	25.0
Channel				507204	516998	532996	
Frequency (MHz)				2538.02	2592.99	2649.99	
80	QPSK	1	109	23.87	23.96	23.51	25.0
Channel				505200	516998	531996	
Frequency (MHz)				2529	2592.99	2659.98	
60	QPSK	1	81	23.95	23.91	23.49	25.0
Channel				504204	516998	532998	
Frequency (MHz)				2521.02	2592.99	2664.99	
50	QPSK	1	67	23.95	24.02	24.03	25.0
Channel				503202	516998	534000	
Frequency (MHz)				2516.01	2592.99	2670	
40	QPSK	1	53	23.87	24.00	23.68	25.0
Channel				502200	516998	534996	
Frequency (MHz)				2511	2592.99	2674.98	
30	QPSK	1	39	23.94	23.96	23.69	25.0
Channel				501204	516998	535998	
Frequency (MHz)				2506.02	2592.99	2679.99	
20	QPSK	1	26	23.88	23.91	23.61	25.0
Channel				500202	516998	537000	
Frequency (MHz)				2501.01	2592.99	2685	
15	QPSK	1	19	23.87	23.98	23.68	25.0
Channel				500202	516998	537000	
Frequency (MHz)				2501.01	2592.99	2685	
10	QPSK	1	12	23.84	23.91	23.62	25.0



### PC3 n77\_Ant3 DSI1&2 Default power

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	3750	3840	3930		
100	PI2 BPSK	1	137	20.52	20.53	20.51		
100	PI2 BPSK	1	271	21.56	21.55	21.38	22.5	0.0
100	PI2 BPSK	136	0	21.42	21.49	21.48	22.5	0.0
100	PI2 BPSK	136	69	21.37	21.42	21.37	22.5	0.0
100	PI2 BPSK	136	138	21.29	21.44	21.44	22.5	0.0
100	PI2 BPSK	270	0	21.49	21.50	21.52		
100	QPSK	1	1	20.59	20.52	20.59		
100	QPSK	1	137	21.48	21.38	21.54	22.5	0.0
100	QPSK	1	271	20.59	20.59	20.56		
100	QPSK	136	0	21.38	21.49	21.30	22.5	0.0
100	QPSK	136	69	21.37	21.50	21.31	22.5	0.0
100	QPSK	136	138	21.31	21.43	21.45	22.5	0.0
100	QPSK	270	0	21.43	21.52	21.37		
100	16QAM	1	1	21.12	21.31	21.32	22.5	0.0
100	16QAM	1	1	21.36	21.41	21.22	22.5	0.0
100	25QAM	1	1	19.90	20.09	19.94	21.0	1.5
Channel								
Frequency (MHz)								
80	QPSK	1	123	3745.02	3840	3935.01	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	123	21.49	21.57	21.33	22.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	109	3740.01	3840	3940.02	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	109	21.27	21.37	21.32	22.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	96	3735	3840	3945	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	96	21.27	21.55	21.45	22.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	81	3730.01	3840	3950.01	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	81	21.27	21.45	21.44	22.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	67	3725.01	3840	3955.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	67	21.33	21.47	21.33	22.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	53	3720	3840	3960	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	53	21.48	21.50	21.58	22.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	26	3710.01	3840	3970.02	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	26	21.47	21.42	21.34	22.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	19	3707.52	3840	3972.51	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	19	21.38	21.37	21.56	22.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	12	3705	3840	3975	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	12	21.47	21.50	21.52	22.5	0.0

### Par27Q PC3 n77\_Ant3 DSI1&2 Default power

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	3500.01				
100	PI2 BPSK	1	137	20.59				
100	PI2 BPSK	1	271	21.19			22.5	0.0
100	PI2 BPSK	136	0	20.83			22.5	0.0
100	PI2 BPSK	136	69	21.24			22.5	0.0
100	PI2 BPSK	136	138	21.10			22.5	0.0
100	PI2 BPSK	270	0	21.12			22.5	0.0
100	PI2 BPSK	270	0	21.16			22.5	0.0
100	QPSK	1	1	20.58				
100	QPSK	1	137	21.36			22.5	0.0
100	QPSK	1	271	20.58				
100	QPSK	136	0	21.09			22.5	0.0
100	QPSK	136	69	21.10			22.5	0.0
100	QPSK	136	138	21.08			22.5	0.0
100	QPSK	270	0	21.14			22.5	0.0
100	16QAM	1	1	20.92			22.5	0.0
100	16QAM	1	1	21.62			22.5	0.0
100	25QAM	1	1	19.75			21.0	1.5
Channel								
Frequency (MHz)								
80	QPSK	1	123	3495	3500.01	3504.99	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	123	21.16	21.31	21.19	22.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	109	3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	109	21.26	21.26	21.33	22.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	96	3485.01	3500.01	3514.98	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	96	21.15	21.23	21.12	22.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	81	3480.01	3500.01	3520	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	81	21.29	21.27	21.24	22.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	67	3475.01	3500.01	3525	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	67	21.16	21.27	21.27	22.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	53	3470.01	3500.01	3529.98	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	53	21.07	21.32	21.28	22.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	26	3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	26	21.08	21.18	21.14	22.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	19	3457.52	3500.01	3542.49	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	19	21.23	21.26	21.21	22.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	12	3455.01	3500.01	3544.98	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	12	21.19	21.19	21.18	22.5	0.0

### PC2 n77\_Ant3 DSI1 For SA / DSI2 For SA&NSA Default power

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	3750	3840	3930		
100	PI2 BPSK	1	137	21.55	21.59	21.50		
100	PI2 BPSK	1	271	24.12	24.22	24.15	25.5	0.0
100	PI2 BPSK	1	271	23.59	23.58	23.56		
100	PI2 BPSK	136	0	24.09	24.11	24.04	25.0	0.5
100	PI2 BPSK	136	69	24.37	24.54	24.38	25.5	0.0
100	PI2 BPSK	136	138	24.05	24.09	24.06	25.0	0.5
100	PI2 BPSK	270	0	24.00	24.11	24.06		
100	QPSK	1	1	23.56	23.55	23.57		
100	QPSK	1	137	24.53	24.55	24.37	25.5	0.0
100	QPSK	1	271	23.51	23.52	23.52		
100	QPSK	136	0	23.60	23.58	23.38	24.5	1.0
100	QPSK	136	69	24.35	24.44	24.26	25.5	0.0
100	QPSK	136	138	23.34	23.55	23.44	24.5	1.0
100	QPSK	270	0	23.53	23.58	23.57		
100	16QAM	1	1	23.39	23.42	23.43	24.5	1.0
100	16QAM	1	1	22.03	22.01	21.90	23.0	2.5
100	25QAM	1	1	20.03	20.03	20.04	21.0	4.5
Channel								
Frequency (MHz)								
80	QPSK	1	123	3745.02	3840	3935.01	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	123	24.37	24.54	24.26	25.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	109	3740.01	3840	3940.02	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	109	24.46	24.37	24.38	25.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	96	3735	3840	3945	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	96	24.37	24.54	24.21	25.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	81	3730.01	3840	3950.01	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	81	24.52	24.39	24.34	25.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	67	3725.01	3840	3955.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	67	24.54	24.36	24.21	25.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	53	3720	3840	3960	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	53	24.40	24.48	24.21	23.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	26	3710.01	3840	3970.02	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	26	24.35	24.47	24.38	25.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	19	3707.52	3840	3972.51	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	19	24.53	24.38	24.25	25.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	12	3705	3840	3975	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	12	24.48	24.39	24.38	25.5	0.0



**Par27Q PC2 n77\_Ant3 DSI1 For SA / DSI2 For SA&NSA Default power**

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	23.51	3000.01			
100	PI2 BPSK	1	137	23.91			25.5	0.0
100	PI2 BPSK	1	271	23.93				
100	PI2 BPSK	135	0	23.93			25.0	0.5
100	PI2 BPSK	135	69	24.29				
100	PI2 BPSK	135	138	23.99			25.0	0.5
100	PI2 BPSK	270	0	23.81				
100	QPSK	1	1	23.58				
100	QPSK	1	137	24.47			25.5	0.0
100	QPSK	1	271	23.59				
100	QPSK	135	0	23.40			24.5	1.0
100	QPSK	135	69	24.29				
100	QPSK	135	138	23.24			24.5	1.0
100	QPSK	270	0	23.38				
100	16QAM	1	1	23.24			24.5	1.0
100	64QAM	1	1	21.79			23.0	2.5
100	256QAM	1	1	19.83			21.0	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	123	24.81	24.44	24.35	25.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	109	3485.01	3500.01	3514.98	25.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	95	24.26	24.36	24.38	25.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	81	24.33	24.38	24.33	25.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	67	24.25	24.30	24.37	25.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	53	24.24	24.25	24.41	25.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	26	24.27	24.30	24.38	25.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	19	24.14	24.43	24.28	25.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	12	24.23	24.35	24.43	25.5	0.0

**PC3 n78\_Ant3 DSI1&2 Default power**

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	23.53	3760			
100	PI2 BPSK	1	137	21.63			22.5	0.0
100	PI2 BPSK	1	271	20.92				
100	PI2 BPSK	135	0	21.58			22.5	0.0
100	PI2 BPSK	135	69	21.70				
100	PI2 BPSK	135	138	21.68			22.5	0.0
100	PI2 BPSK	270	0	21.70				
100	QPSK	1	1	20.55				
100	QPSK	1	137	21.71			22.5	0.0
100	QPSK	1	271	20.50				
100	QPSK	135	0	21.62			22.5	0.0
100	QPSK	135	69	21.69				
100	QPSK	135	138	21.63			22.5	0.0
100	QPSK	270	0	21.60				
100	16QAM	1	1	21.67			22.5	0.0
100	64QAM	1	1	21.53			22.5	0.0
100	256QAM	1	1	20.05			21.0	1.5
Channel								
Frequency (MHz)								
90	QPSK	1	123	21.65	21.63	21.68	22.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	109	3740.01	3760.02	3760.02	22.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	95	21.43	21.52	21.68	22.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	81	21.51	21.51	21.53	22.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	67	21.50	21.52	21.57	22.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	53	21.64	21.54	21.69	22.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	26	21.60	21.65	21.61	22.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	19	21.58	21.63	21.53	22.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	12	21.59	21.54	21.48	22.5	0.0

**Par27Q PC3 n78\_Ant3 DSI1&2 Default power**

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	23.59	3500.01			
100	PI2 BPSK	1	137	21.48			22.5	0.0
100	PI2 BPSK	1	271	20.82				
100	PI2 BPSK	135	0	21.51			22.5	0.0
100	PI2 BPSK	135	69	21.66				
100	PI2 BPSK	135	138	21.66			22.5	0.0
100	PI2 BPSK	270	0	21.59				
100	QPSK	1	1	20.52				
100	QPSK	1	137	21.68			22.5	0.0
100	QPSK	1	271	20.53				
100	QPSK	135	0	21.48			22.5	0.0
100	QPSK	135	69	21.52				
100	QPSK	135	138	21.50			22.5	0.0
100	QPSK	270	0	21.39				
100	16QAM	1	1	21.67			22.5	0.0
100	64QAM	1	1	21.48			22.5	0.0
100	256QAM	1	1	19.99			21.0	1.5
Channel								
Frequency (MHz)								
90	QPSK	1	123	21.57	21.67	21.50	22.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	109	3485.01	3500.01	3514.98	22.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	95	21.43	21.50	21.39	22.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	81	21.43	21.61	21.31	22.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	67	21.43	21.55	21.33	22.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	53	21.42	21.54	21.51	22.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	26	21.51	21.63	21.38	22.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	19	21.52	21.49	21.35	22.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	12	21.54	21.53	21.52	22.5	0.0



PC2 n78_Ant3 DS11 For SA / DS12 For SA&NSA									
Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Plz BPSK	1	1		3750				
100	Plz BPSK	1	137		23.59				
100	Plz BPSK	1	271		24.29		25.5	0.0	
100	Plz BPSK	135	0		23.97				
100	Plz BPSK	135	69		24.00		25.0	0.5	
100	Plz BPSK	135	138		24.36		25.5	0.0	
100	Plz BPSK	135	138		24.21		25.0	0.5	
100	Plz BPSK	270	0		24.11				
100	QPSK	1	1		23.55				
100	QPSK	1	137		24.54		25.5	0.0	
100	QPSK	1	271		23.95				
100	QPSK	135	0		23.50		24.5	1.0	
100	QPSK	135	69		24.54		25.5	0.0	
100	QPSK	135	138		23.05				
100	QPSK	270	0		23.61		24.5	1.0	
100	16QAM	1	1		23.52		24.5	1.0	
100	16QAM	1	1		21.96		23.0	2.5	
100	16QAM	1	1		20.00		21.0	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	123	64868	65000	65034	Tune-up limit (dBm)	MPR (dB)	
				3745.02	3750	3755.01			
Channel									
Frequency (MHz)									
80	QPSK	1	109	64834	65000	65068	Tune-up limit (dBm)	MPR (dB)	
				3740.01	3750	3760.02			
Channel									
Frequency (MHz)									
70	QPSK	1	95	64868	65000	65134	Tune-up limit (dBm)	MPR (dB)	
				24.49	24.49	24.38	25.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	81	64868	65000	65168	Tune-up limit (dBm)	MPR (dB)	
				24.49	24.43	24.33	25.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	67	64834	65000	65100	Tune-up limit (dBm)	MPR (dB)	
				24.48	24.51	24.36	25.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	53	64800	65000	65000	Tune-up limit (dBm)	MPR (dB)	
				3750	3750	3785			
Channel									
Frequency (MHz)									
20	QPSK	1	26	64768	65000	65055	Tune-up limit (dBm)	MPR (dB)	
				24.53	24.50	24.42	23.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	19	64700	65000	65300	Tune-up limit (dBm)	MPR (dB)	
				24.42	24.53	24.39	25.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	12	64700	65000	65300	Tune-up limit (dBm)	MPR (dB)	
				3705	3750	3795			
Channel									
Frequency (MHz)									
10	QPSK	1	12	64700	65000	65300	Tune-up limit (dBm)	MPR (dB)	
				24.47	24.41	24.46	25.5	0.0	

Par27Q PC2 n78_Ant3 DS11 For SA / DS12 For SA&NSA									
Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Plz BPSK	1	1		350.01				
100	Plz BPSK	1	137		23.59				
100	Plz BPSK	1	271		24.30		25.5	0.0	
100	Plz BPSK	135	0		23.73				
100	Plz BPSK	135	69		23.77		25.0	0.5	
100	Plz BPSK	135	138		26.40		25.5	0.0	
100	Plz BPSK	135	138		23.99		25.0	0.5	
100	Plz BPSK	270	0		23.99				
100	QPSK	1	1		23.44				
100	QPSK	1	137		26.46		25.5	0.0	
100	QPSK	1	271		23.77				
100	QPSK	135	0		23.32		24.5	1.0	
100	QPSK	135	69		24.34		25.5	0.0	
100	QPSK	135	138		23.37				
100	QPSK	270	0		23.41		24.5	1.0	
100	16QAM	1	1		23.20		24.5	1.0	
100	16QAM	1	1		21.76		23.0	2.5	
100	16QAM	1	1		19.85		21.0	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	123	63000	63334	63668	Tune-up limit (dBm)	MPR (dB)	
				3485	3500.01	3504.09			
Channel									
Frequency (MHz)									
80	QPSK	1	109	63068	63334	63600	Tune-up limit (dBm)	MPR (dB)	
				3480.02	3500.01	3510			
Channel									
Frequency (MHz)									
70	QPSK	1	95	63000	63334	63466	Tune-up limit (dBm)	MPR (dB)	
				24.46	24.40	24.38	25.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	81	63000	63334	63466	Tune-up limit (dBm)	MPR (dB)	
				3485.01	3500.01	3514.88			
Channel									
Frequency (MHz)									
50	QPSK	1	67	63068	63334	63500	Tune-up limit (dBm)	MPR (dB)	
				24.42	24.41	24.41	25.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	53	63000	63334	63466	Tune-up limit (dBm)	MPR (dB)	
				3480	3500.01	3519.88			
Channel									
Frequency (MHz)									
20	QPSK	1	26	63068	63334	63500	Tune-up limit (dBm)	MPR (dB)	
				3480.02	3500.01	3540			
Channel									
Frequency (MHz)									
15	QPSK	1	19	63000	63334	63600	Tune-up limit (dBm)	MPR (dB)	
				24.42	24.34	24.43	25.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	12	63068	63334	63632	Tune-up limit (dBm)	MPR (dB)	
				3485.01	3500.01	3544.88			
Channel									
Frequency (MHz)									
10	QPSK	1	12	63068	63334	63632	Tune-up limit (dBm)	MPR (dB)	
				24.24	24.19	24.43	25.5	0.0	



n5_Ant4 DSI1&2&4 Default power							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	MPR (dB)
Channel				168300	167300	167600	
Frequency (MHz)				834	836.5	839	
20	PI2 BPSK	1	1	22.78	22.83	22.78	24.0
20	PI2 BPSK	1	26	22.81	22.91	22.88	0.0
20	PI2 BPSK	1	49	22.71	22.79	22.75	23.5
20	PI2 BPSK	25	0	22.35	22.38	22.32	23.5
20	PI2 BPSK	25	13	22.83	22.87	22.82	24.0
20	PI2 BPSK	25	26	22.29	22.38	22.40	23.5
20	PI2 BPSK	50	0	22.35	22.34	22.35	24.0
20	QPSK	1	1	22.90	22.84	22.91	24.0
20	QPSK	1	26	22.94	22.99	22.98	0.0
20	QPSK	1	49	22.71	22.83	22.89	23.0
20	QPSK	25	0	21.73	21.86	21.91	23.0
20	QPSK	25	13	22.81	22.86	22.80	24.0
20	QPSK	25	26	21.87	21.85	21.83	23.0
20	QPSK	50	0	21.76	21.89	21.76	23.0
20	16QAM	1	1	21.72	21.83	21.86	23.0
20	64QAM	1	1	20.43	20.36	20.33	21.5
20	256QAM	1	1	18.34	18.47	18.45	19.5
Channel				168300	167300	168300	
Frequency (MHz)				831.5	836.5	841.5	
15	QPSK	1	19	22.62	22.67	22.63	24.0
Channel				152500	152500	152500	
Frequency (MHz)				829	836.5	844	
10	QPSK	1	12	22.68	22.64	22.61	24.0

n7_Ant4 DSI2 Default power							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	MPR (dB)
Channel				502000	507000	512000	
Frequency (MHz)				2610	2635	2660	
20	PI2 BPSK	1	1	22.76	22.82	22.74	24.0
20	PI2 BPSK	1	26	22.76	22.87	22.80	0.0
20	PI2 BPSK	1	49	22.81	22.82	22.76	23.5
20	PI2 BPSK	25	0	22.43	22.38	22.44	23.5
20	PI2 BPSK	25	13	22.84	22.84	22.82	24.0
20	PI2 BPSK	25	26	22.29	22.29	22.30	23.5
20	PI2 BPSK	50	0	22.32	22.41	22.39	24.0
20	QPSK	1	1	22.74	22.87	22.75	24.0
20	QPSK	1	26	22.77	22.85	22.83	0.0
20	QPSK	1	49	22.75	22.83	22.84	23.0
20	QPSK	25	0	21.79	21.84	21.85	23.0
20	QPSK	25	13	22.83	22.85	22.80	24.0
20	QPSK	25	26	21.85	21.83	21.83	23.0
20	QPSK	50	0	21.73	21.84	21.83	23.0
20	16QAM	1	1	21.89	21.85	21.81	23.0
20	64QAM	1	1	20.39	20.33	20.28	21.5
20	256QAM	1	1	18.35	18.30	18.18	19.5
Channel				501500	507000	512500	
Frequency (MHz)				2607.5	2635	2662.5	
15	QPSK	1	19	22.52	22.77	22.80	24.0
Channel				531000	532000	533000	
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	12	22.50	22.82	22.83	24.0

n66_Ant4 DSI2&4 Default power							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	MPR (dB)
Channel				346000	349000	353000	
Frequency (MHz)				1730	1745	1760	
40	PI2 BPSK	1	1	22.49	22.57	22.54	24.0
40	PI2 BPSK	1	33	22.56	22.63	22.59	0.0
40	PI2 BPSK	1	104	22.48	22.60	22.56	23.5
40	PI2 BPSK	50	0	21.91	22.02	22.04	23.5
40	PI2 BPSK	50	26	22.45	22.54	22.39	24.0
40	PI2 BPSK	50	56	21.85	22.03	21.88	23.5
40	PI2 BPSK	100	0	22.07	22.06	22.03	24.0
40	QPSK	1	1	22.83	22.81	22.85	24.0
40	QPSK	1	53	22.45	22.64	22.51	0.0
40	QPSK	1	104	22.43	22.55	22.49	23.0
40	QPSK	50	0	21.49	21.58	21.59	23.0
40	QPSK	50	26	22.50	22.54	22.38	24.0
40	QPSK	50	56	21.47	21.47	21.39	23.0
40	QPSK	100	0	21.38	21.51	21.47	23.0
40	16QAM	1	1	21.39	21.54	21.56	23.0
40	64QAM	1	1	19.94	20.05	20.05	21.5
40	256QAM	1	1	18.05	18.06	17.91	19.5
Channel				345000	349000	353000	
Frequency (MHz)				1725	1745	1765	
30	QPSK	1	39	22.19	22.46	22.27	24.0
Channel				344500	349000	353500	
Frequency (MHz)				1722.5	1745	1767.5	
25	QPSK	1	32	22.13	22.49	22.38	24.0
Channel				344000	349000	354000	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	26	22.15	22.58	22.41	24.0
Channel				343500	349000	354500	
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	19	22.22	22.56	22.31	24.0
Channel				343000	349000	355000	
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	12	22.14	22.61	22.38	24.0





### n38\_Ant4 DSI2 Default power

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				51804	51900	51996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI2 BPSK	1	1	23.66	23.66	23.68		
40	PI2 BPSK	1	53	24.08	24.15	24.12		
40	PI2 BPSK	1	104	23.59	23.64	23.52	25.5	0.0
40	PI2 BPSK	50	0	23.29	23.25	23.29	25.0	0.5
40	PI2 BPSK	50	28	23.68	23.66	23.63	25.5	0.0
40	PI2 BPSK	50	56	23.29	23.27	23.35	25.0	0.5
40	PI2 BPSK	100	0	23.16	23.25	23.24	25.0	0.0
40	QPSK	1	1	23.59	23.70	23.59		
40	QPSK	1	53	24.06	24.15	24.08	25.5	0.0
40	QPSK	1	104	23.64	23.66	23.56		
40	QPSK	50	0	22.68	22.76	22.63	24.5	1.0
40	QPSK	50	28	23.66	23.68	23.67	25.5	0.0
40	QPSK	50	56	22.68	22.69	22.69	24.5	1.0
40	QPSK	100	0	22.64	22.66	22.62		
40	16QAM	1	1	22.88	22.86	22.81	24.5	1.0
40	64QAM	1	1	21.14	21.21	21.15	23.0	2.5
40	256QAM	1	1	19.19	19.22	19.14	21.0	4.5
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2585	2610		
20	QPSK	1	26	23.91	24.00	23.70	25.5	0.0
Channel				515000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	19	23.96	24.11	23.82	25.5	0.0
Channel				515004	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2578.02	2595	2612.98		
10	QPSK	1	12	23.83	24.15	23.81	25.5	0.0

### PC3 n41\_Ant4 DSI2 Default power

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				505000	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI2 BPSK	1	1	22.82	22.77	22.84		
100	PI2 BPSK	1	137	22.90	22.96	22.86	24.5	0.0
100	PI2 BPSK	1	271	22.90	22.89	22.97		
100	PI2 BPSK	135	0	22.95	22.99	23.08	24.5	0.0
100	PI2 BPSK	135	69	23.15	23.13	23.13	24.5	0.0
100	PI2 BPSK	135	138	23.03	23.06	23.13	24.5	0.0
100	PI2 BPSK	270	0	22.98	23.06	23.06		
100	QPSK	1	1	22.96	23.04	23.10		
100	QPSK	1	137	23.30	23.45	23.27	24.5	0.0
100	QPSK	1	271	22.56	22.58	22.64		
100	QPSK	135	0	22.90	22.99	23.02	24.5	0.0
100	QPSK	135	69	23.01	23.17	23.07	24.5	0.0
100	QPSK	135	138	22.96	23.11	23.08	24.5	0.0
100	QPSK	270	0	22.93	23.00	22.98		
100	16QAM	1	1	22.58	22.64	22.63	24.5	0.0
100	64QAM	1	1	22.55	22.58	22.61	24.5	0.0
100	256QAM	1	1	21.82	21.87	21.84	23.0	1.5
Channel				508000	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	23.33	23.35	23.18	24.5	0.0
Channel				507004	518598	529596	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2538.02	2592.99	2649.99		
80	QPSK	1	109	23.29	23.41	23.35	24.5	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536	2592.99	2659.98		
60	QPSK	1	81	23.29	23.29	23.25	24.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	23.29	23.40	23.21	24.5	0.0
Channel				502800	518598	535000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.01	2592.99	2670		
40	QPSK	1	53	23.24	23.40	23.30	24.5	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	23.37	23.34	23.31	24.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	23.37	23.38	23.21	24.5	0.0
Channel				500700	518598	535996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	19	23.37	23.36	23.23	24.5	0.0
Channel				500200	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2686		
10	QPSK	1	12	23.26	23.36	23.24	24.5	0.0

### PC2 n41\_Ant4 DSI2 Default power

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				505000	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI2 BPSK	1	1	23.93	23.92	23.90		
100	PI2 BPSK	1	137	24.01	23.99	23.97	25.5	0.0
100	PI2 BPSK	1	271	23.99	23.98	23.92		
100	PI2 BPSK	135	0	23.80	23.83	23.84	25.5	0.0
100	PI2 BPSK	135	69	23.98	24.00	24.08	25.5	0.0
100	PI2 BPSK	135	138	24.07	24.10	24.07	25.5	0.0
100	PI2 BPSK	270	0	24.04	23.97	23.92		
100	QPSK	1	1	23.59	23.54	23.54		
100	QPSK	1	137	24.12	24.25	24.18	25.5	0.0
100	QPSK	1	271	23.90	23.96	24.04		
100	QPSK	135	0	23.93	23.93	23.88	25.5	0.0
100	QPSK	135	69	24.11	24.21	24.19	25.5	0.0
100	QPSK	135	138	24.10	24.09	24.13	25.5	0.0
100	QPSK	270	0	24.09	24.19	24.13		
100	16QAM	1	1	23.71	23.76	23.77	25.5	0.0
100	64QAM	1	1	23.72	23.68	23.74	25.5	0.0
100	256QAM	1	1	23.56	23.52	23.53	25.5	0.0
Channel				508000	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	23.83	24.16	23.82	25.5	0.0
Channel				507004	518598	529596	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2538.02	2592.99	2649.99		
80	QPSK	1	109	23.88	24.11	23.83	25.5	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536	2592.99	2659.98		
60	QPSK	1	81	23.82	24.09	23.81	25.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	23.76	24.13	23.86	25.5	0.0
Channel				502800	518598	535000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.01	2592.99	2670		
40	QPSK	1	53	23.86	24.11	24.05	25.5	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	23.98	24.23	23.89	25.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	23.84	24.08	23.96	25.5	0.0
Channel				500700	518598	535996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	19	23.86	24.10	23.98	25.5	0.0
Channel				500200	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2686		
10	QPSK	1	12	23.86	24.05	23.86	25.5	0.0



### PC3 n77\_Ant5 DSII2 Default power

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi2 BPSK	1	1	20.06	20.07	20.11		
100	Pi2 BPSK	1	137	21.09	21.08	20.94	22.0	0.0
100	Pi2 BPSK	1	271	20.03	20.05	20.05		
100	Pi2 BPSK	136	0	20.98	21.01	20.83	22.0	0.0
100	Pi2 BPSK	136	69	21.18	21.16	21.06	22.0	0.0
100	Pi2 BPSK	136	138	20.93	21.14	21.02	22.0	0.0
100	Pi2 BPSK	270	0	20.93	21.06	20.93		
100	QPSK	1	1	20.16	20.15	20.14		
100	QPSK	1	137	21.01	21.00	21.04	22.0	0.0
100	QPSK	1	271	20.02	20.03	20.15		
100	QPSK	136	0	21.12	21.11	20.99	22.0	0.0
100	QPSK	136	69	20.99	21.19	20.97	22.0	0.0
100	QPSK	136	138	21.05	21.08	21.08	22.0	0.0
100	QPSK	270	0	20.93	21.00	20.96		
100	16QAM	1	1	21.01	21.04	20.86	22.0	0.0
100	16QAM	1	1	20.99	20.99	20.96	22.0	0.0
100	16QAM	1	1	19.99	19.91	19.95	20.5	1.5
Channel								
Frequency (MHz)								
90	QPSK	1	123	20.53	21.05	21.03	22.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	109	21.02	21.03	21.04	22.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	96	20.94	21.00	21.05	22.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	81	21.02	21.15	20.99	22.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	67	20.90	21.00	20.90	22.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	53	20.92	21.00	21.01	22.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	26	20.87	21.11	20.97	22.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	19	20.87	21.09	20.95	22.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	12	20.98	21.03	20.93	22.0	0.0

### Par27Q PC3 n77\_Ant5 DSII2 Default power

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi2 BPSK	1	1	20.12				
100	Pi2 BPSK	1	137	20.80			22.0	0.0
100	Pi2 BPSK	1	271	20.06				
100	Pi2 BPSK	136	0	20.90			22.0	0.0
100	Pi2 BPSK	136	69	21.00			22.0	0.0
100	Pi2 BPSK	136	138	20.99			22.0	0.0
100	Pi2 BPSK	270	0	20.79				
100	QPSK	1	1	20.21				
100	QPSK	1	137	21.07			22.0	0.0
100	QPSK	1	271	20.12				
100	QPSK	136	0	20.98			22.0	0.0
100	QPSK	136	69	20.99			22.0	0.0
100	QPSK	136	138	20.92			22.0	0.0
100	QPSK	270	0	20.78				
100	16QAM	1	1	20.87			22.0	0.0
100	16QAM	1	1	20.81			22.0	0.0
100	16QAM	1	1	19.90			20.5	1.5
Channel								
Frequency (MHz)								
90	QPSK	1	123	20.86	20.98	20.94	22.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	109	20.91	20.92	20.79	22.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	96	20.74	20.86	20.94	22.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	81	20.92	21.05	20.99	22.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	67	21.06	21.06	20.83	22.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	53	20.97	20.97	20.81	22.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	26	20.93	20.90	20.82	22.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	19	20.91	21.00	20.97	22.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	12	20.74	21.04	21.01	22.0	0.0

### PC2 n77\_Ant5 DSII2 Default power

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi2 BPSK	1	1	23.03	23.14	23.01		
100	Pi2 BPSK	1	137	24.10	24.10	23.98	25.0	0.0
100	Pi2 BPSK	1	271	23.02	23.08	23.00		
100	Pi2 BPSK	136	0	23.59	23.81	23.58	24.5	0.5
100	Pi2 BPSK	136	69	23.88	24.07	24.00	25.0	0.0
100	Pi2 BPSK	136	138	23.31	23.53	23.31	24.5	0.5
100	Pi2 BPSK	270	0	23.51	23.58	23.45		
100	QPSK	1	1	23.02	23.10	23.08		
100	QPSK	1	137	24.15	24.17	23.96	25.0	0.0
100	QPSK	1	271	23.08	23.18	23.05		
100	QPSK	136	0	23.01	23.08	23.10	24.0	1.0
100	QPSK	136	69	24.06	24.11	24.07	25.0	0.0
100	QPSK	136	138	23.04	23.05	22.93	24.0	1.0
100	QPSK	270	0	22.89	23.06	22.87		
100	16QAM	1	1	22.84	23.01	22.87	24.0	1.0
100	16QAM	1	1	21.93	21.49	21.97	22.5	2.5
100	16QAM	1	1	19.47	19.50	19.34	20.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	123	24.13	24.16	23.74	25.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	109	24.07	24.13	23.91	25.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	96	23.96	24.14	23.82	25.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	81	24.16	24.09	23.77	25.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	67	24.07	24.06	23.75	25.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	53	24.03	24.00	23.80	25.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	26	24.09	23.96	23.76	25.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	19	23.96	24.14	23.85	25.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	12	24.01	24.00	23.94	25.0	0.0



### Par27Q PC2 n77\_Ant5 DSI2 Default power

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pl2 BPSK	1	1	23.00	3500.01			
100	Pl2 BPSK	1	137	23.82	3500.01		25.0	0.0
100	Pl2 BPSK	1	271	23.02	3500.01			
100	Pl2 BPSK	135	0	23.38	3500.01		24.5	0.5
100	Pl2 BPSK	135	69	23.95	3500.01		25.0	0.0
100	Pl2 BPSK	135	138	23.37	3500.01		24.5	0.5
100	Pl2 BPSK	270	0	23.34	3500.01			
100	QPSK	1	1	23.06	3500.01			
100	QPSK	1	137	23.96	3500.01		25.0	0.0
100	QPSK	1	271	23.03	3500.01			
100	QPSK	135	0	22.77	3500.01		24.0	1.0
100	QPSK	135	69	23.86	3500.01		25.0	0.0
100	QPSK	135	138	22.81	3500.01		24.0	1.0
100	QPSK	270	0	22.88	3500.01			
100	16QAM	1	1	22.75	3500.01		24.0	1.0
100	16QAM	1	1	21.40	3500.01		22.5	2.5
100	256QAM	1	1	19.28	3500.01		20.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	123	23.44	3500.01	3504.98	25.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	109	3489.02	3500.01	3510	25.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	95	23.45	3500.01	3519.98	25.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	81	23.61	3500.01	3529.98	25.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	67	23.59	3500.01	3539.98	25.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	53	23.44	3500.01	3549.98	25.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	26	23.57	3500.01	3559.98	25.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	19	23.41	3500.01	3569.98	25.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	12	23.48	3500.01	3579.98	25.0	0.0

### PC3 n78\_Ant5 DSI2 Default power

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pl2 BPSK	1	1	20.00	3750			
100	Pl2 BPSK	1	137	21.24	3750		22.0	0.0
100	Pl2 BPSK	1	271	20.46	3750			
100	Pl2 BPSK	135	0	21.02	3750		22.0	0.0
100	Pl2 BPSK	135	69	21.11	3750		22.0	0.0
100	Pl2 BPSK	135	138	21.22	3750		22.0	0.0
100	Pl2 BPSK	270	0	21.12	3750			
100	QPSK	1	1	20.11	3750			
100	QPSK	1	137	21.27	3750		22.0	0.0
100	QPSK	1	271	20.49	3750			
100	QPSK	135	0	21.12	3750		22.0	0.0
100	QPSK	135	69	21.26	3750		22.0	0.0
100	QPSK	135	138	21.25	3750		22.0	0.0
100	QPSK	270	0	21.20	3750			
100	16QAM	1	1	21.05	3750		22.0	0.0
100	16QAM	1	1	21.16	3750		22.0	0.0
100	256QAM	1	1	19.77	3750		20.5	1.5
Channel								
Frequency (MHz)								
90	QPSK	1	123	21.13	3750	3754.98	22.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	109	3749.02	3750	3754.98	22.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	95	21.14	3750	3765.98	22.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	81	21.12	3750	3775.98	22.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	67	21.12	3750	3785.98	22.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	53	21.10	3750	3795.98	22.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	26	20.99	3750	3805.98	22.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	19	21.08	3750	3815.98	22.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	12	21.02	3750	3825.98	22.0	0.0

### Par27Q PC3 n78\_Ant5 DSI2 Default power

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pl2 BPSK	1	1	20.00	3500.01			
100	Pl2 BPSK	1	137	21.00	3500.01		22.0	0.0
100	Pl2 BPSK	1	271	20.32	3500.01			
100	Pl2 BPSK	135	0	20.75	3500.01		22.0	0.0
100	Pl2 BPSK	135	69	21.00	3500.01		22.0	0.0
100	Pl2 BPSK	135	138	20.98	3500.01		22.0	0.0
100	Pl2 BPSK	270	0	21.04	3500.01			
100	QPSK	1	1	20.11	3500.01			
100	QPSK	1	137	21.15	3500.01		22.0	0.0
100	QPSK	1	271	20.21	3500.01			
100	QPSK	135	0	21.10	3500.01		22.0	0.0
100	QPSK	135	69	21.13	3500.01		22.0	0.0
100	QPSK	135	138	21.12	3500.01		22.0	0.0
100	QPSK	270	0	21.20	3500.01			
100	16QAM	1	1	20.92	3500.01		22.0	0.0
100	16QAM	1	1	20.86	3500.01		22.0	0.0
100	256QAM	1	1	19.57	3500.01		20.5	1.5
Channel								
Frequency (MHz)								
90	QPSK	1	123	21.07	3500.01	3504.98	22.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	109	3499.02	3500.01	3510	22.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	95	20.94	3500.01	3519.98	22.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	81	21.10	3500.01	3529.98	22.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	67	20.98	3500.01	3539.98	22.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	53	21.06	3500.01	3549.98	22.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	26	21.13	3500.01	3559.98	22.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	19	20.93	3500.01	3569.98	22.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	12	20.91	3500.01	3579.98	22.0	0.0



PC2 n78_Ant5 DSI2 Default power							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)							
100	PI2 BPSK	1	1		3750		
100	PI2 BPSK	1	137		24.10		25.0
100	PI2 BPSK	1	271		23.29		25.0
100	PI2 BPSK	135	0		23.45		24.5
100	PI2 BPSK	135	69		24.10		25.0
100	PI2 BPSK	135	138		23.49		24.5
100	PI2 BPSK	270	0		23.51		24.5
100	QPSK	1	1		23.02		25.0
100	QPSK	1	137		24.11		25.0
100	QPSK	1	271		23.31		25.0
100	QPSK	135	0		23.15		24.0
100	QPSK	135	69		24.01		25.0
100	QPSK	135	138		23.28		24.0
100	QPSK	270	0		23.22		24.0
100	16QAM	1	1		23.12		24.0
100	16QAM	1	1		21.87		22.5
100	16QAM	1	1		19.71		20.5
Channel							
Frequency (MHz)							
90	QPSK	1	123	64868	65000	65034	25.0
Channel							
Frequency (MHz)							
80	QPSK	1	109	3745.02	3750	3755.01	25.0
Channel							
Frequency (MHz)							
70	QPSK	1	96	64834	65000	65068	25.0
Channel							
Frequency (MHz)							
60	QPSK	1	81	3740.01	3750	3760.02	25.0
Channel							
Frequency (MHz)							
50	QPSK	1	67	23.85	24.04	23.98	25.0
Channel							
Frequency (MHz)							
40	QPSK	1	53	3745.02	3750	3750.02	25.0
Channel							
Frequency (MHz)							
20	QPSK	1	26	3740.01	3750	3760.02	25.0
Channel							
Frequency (MHz)							
15	QPSK	1	19	23.92	23.97	23.99	25.0
Channel							
Frequency (MHz)							
10	QPSK	1	12	64700	65000	65300	25.0

Par27Q PC2 n78_Ant5 DSI2 Default power							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)							
100	PI2 BPSK	1	1		350.01		
100	PI2 BPSK	1	137		23.21		25.0
100	PI2 BPSK	1	271		23.83		25.0
100	PI2 BPSK	135	0		23.07		24.5
100	PI2 BPSK	135	69		23.10		24.5
100	PI2 BPSK	135	138		23.86		25.0
100	PI2 BPSK	270	0		23.09		24.5
100	QPSK	1	1		23.31		25.0
100	QPSK	1	137		23.03		25.0
100	QPSK	1	271		23.96		25.0
100	QPSK	135	0		22.91		24.0
100	QPSK	135	69		23.61		25.0
100	QPSK	135	138		22.94		24.0
100	QPSK	270	0		23.56		24.0
100	16QAM	1	1		23.12		24.0
100	16QAM	1	1		21.53		22.5
100	16QAM	1	1		19.33		20.5
Channel							
Frequency (MHz)							
90	QPSK	1	123	63000	63334	63668	25.0
Channel							
Frequency (MHz)							
80	QPSK	1	109	3485	3500.01	3514.99	25.0
Channel							
Frequency (MHz)							
70	QPSK	1	96	63000	63334	63668	25.0
Channel							
Frequency (MHz)							
60	QPSK	1	81	3480.02	3500.01	3510	25.0
Channel							
Frequency (MHz)							
50	QPSK	1	67	23.61	23.82	23.83	25.0
Channel							
Frequency (MHz)							
40	QPSK	1	53	3485.01	3500.01	3514.98	25.0
Channel							
Frequency (MHz)							
20	QPSK	1	26	23.04	23.77	23.88	25.0
Channel							
Frequency (MHz)							
15	QPSK	1	19	63000	63334	63668	25.0
Channel							
Frequency (MHz)							
10	QPSK	1	12	63168	63334	63500	25.0



**PC3 n77\_Ant8 DSI1&2&4 Default power**

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				650000	650000	662000		
Channel								
Frequency (MHz)				3750	3840	3930		
100	Pi2 BPSK	1	1	18.13	18.34	18.16		
100	Pi2 BPSK	1	137	19.04	19.18	19.06		0.0
100	Pi2 BPSK	1	271	18.06	18.03	18.11		20.0
100	Pi2 BPSK	135	0	19.01	19.00	18.89		20.0 0.0
100	Pi2 BPSK	135	69	18.99	18.18	18.17		20.0 0.0
100	Pi2 BPSK	135	138	18.98	19.12	19.00		20.0 0.0
100	Pi2 BPSK	270	0	18.97	18.16	18.17		20.0 0.0
100	QPSK	1	1	18.06	18.02	18.11		20.0 0.0
100	QPSK	1	137	19.14	19.19	19.18		20.0 0.0
100	QPSK	1	271	18.06	18.02	18.03		20.0 0.0
100	QPSK	135	0	18.96	19.02	19.04		20.0 0.0
100	QPSK	135	69	18.99	19.16	19.02		20.0 0.0
100	QPSK	135	138	18.86	19.03	18.92		20.0 0.0
100	QPSK	270	0	19.01	19.07	19.02		20.0 0.0
100	16QAM	1	1	18.87	19.09	19.09		20.0 0.0
100	64QAM	1	1	19.06	18.18	19.09		20.0 0.0
100	256QAM	1	1	17.58	17.77	17.67	18.5	3.5
Channel								
Frequency (MHz)				649688	650000	662334	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	123	18.25	18.09	18.21	20.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
80	QPSK	1	109	18.99	19.00	18.18	20.0	0.0
Channel								
Frequency (MHz)				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	95	18.96	19.14	19.15	20.0	0.0
Channel								
Frequency (MHz)				648688	650000	663334	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	81	19.02	19.16	19.10	20.0	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	67	19.09	19.09	19.15	20.0	0.0
Channel								
Frequency (MHz)				648000	650000	664000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	53	19.06	19.14	18.99	20.0	0.0
Channel								
Frequency (MHz)				647334	650000	664688	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	28	19.13	19.08	19.01	20.0	0.0
Channel								
Frequency (MHz)				3720	3840	3950		
15	QPSK	1	19	19.07	19.09	19.03	20.0	0.0
Channel								
Frequency (MHz)				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	12	18.93	18.99	19.04	20.0	0.0

**Par27Q PC3 n77\_Ant8 DSI1&2&4 Default power**

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				633334				
Channel								
Frequency (MHz)				3500.01				
100	Pi2 BPSK	1	1		18.03			
100	Pi2 BPSK	1	137		19.19		20.0	0.0
100	Pi2 BPSK	1	271		18.21			20.0
100	Pi2 BPSK	135	0		18.89		20.0	0.0
100	Pi2 BPSK	135	69		19.03		20.0	0.0
100	Pi2 BPSK	135	138		18.92		20.0	0.0
100	Pi2 BPSK	270	0		19.07		20.0	0.0
100	QPSK	1	1		19.17		20.0	0.0
100	QPSK	1	137		19.20		20.0	0.0
100	QPSK	1	271		18.28		20.0	0.0
100	QPSK	135	0		18.96		20.0	0.0
100	QPSK	135	69		19.09		20.0	0.0
100	QPSK	135	138		18.84		20.0	0.0
100	QPSK	270	0		19.02		20.0	0.0
100	16QAM	1	1		19.08		20.0	0.0
100	64QAM	1	1		19.13		20.0	0.0
100	256QAM	1	1		17.68		18.5	3.5
Channel								
Frequency (MHz)				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	123	19.00	19.02	18.96	20.0	0.0
Channel								
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	109	19.04	19.00	19.03	20.0	0.0
Channel								
Frequency (MHz)				632000	633334	634332	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	95	19.10	19.00	19.04	20.0	0.0
Channel								
Frequency (MHz)				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	81	19.04	19.05	18.97	20.0	0.0
Channel								
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	18.99	19.05	19.12	20.0	0.0
Channel								
Frequency (MHz)				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	53	19.03	19.00	18.95	20.0	0.0
Channel								
Frequency (MHz)				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	28	18.93	19.18	19.04	20.0	0.0
Channel								
Frequency (MHz)				630000	633334	635668	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	19	18.90	19.12	19.04	20.0	0.0
Channel								
Frequency (MHz)				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	12	19.02	19.01	19.07	20.0	0.0

**PC2 n77\_Ant8 DSI1&2&4 Default power**

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				650000	650000	662000		
Channel								
Frequency (MHz)				3750	3840	3930		
100	Pi2 BPSK	1	1	21.05	21.12	21.13		0.0
100	Pi2 BPSK	1	137	22.09	22.11	22.07		23.0
100	Pi2 BPSK	1	271	21.02	21.12	21.10		22.5
100	Pi2 BPSK	135	0	21.56	21.60	21.44		22.5 0.5
100	Pi2 BPSK	135	69	21.87	22.08	21.95		23.0 0.0
100	Pi2 BPSK	135	138	21.54	21.88	21.41		22.5 0.5
100	Pi2 BPSK	270	0	21.34	21.54	21.34		22.0 0.0
100	QPSK	1	1	21.01	21.11	21.03		23.0 0.0
100	QPSK	1	137	21.98	22.14	22.08		23.0 0.0
100	QPSK	1	271	21.05	21.11	21.12		22.0 1.0
100	QPSK	135	0	20.98	21.17	21.07		22.0 1.0
100	QPSK	135	69	21.98	22.03	21.93		23.0 0.0
100	QPSK	135	138	20.99	21.09	20.95		22.0 1.0
100	QPSK	270	0	21.00	21.15	21.12		22.0 1.0
100	16QAM	1	1	20.99	21.06	20.89		22.0 1.0
100	64QAM	1	1	19.82	19.78	19.69	20.5	2.5
100	256QAM	1	1	17.70	17.73	17.71	18.5	4.5
Channel								
Frequency (MHz)				649688	650000	662334	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	123	21.09	21.96	21.94	23.0	0.0
Channel								
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	109	21.81	22.02	21.86	23.0	0.0
Channel								
Frequency (MHz)				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	95	21.92	22.03	21.98	23.0	0.0
Channel								
Frequency (MHz)				648688	650000	663334	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	81	21.78	22.13	21.96	23.0	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	67	21.96	22.04	21.88	23.0	0.0
Channel								
Frequency (MHz)				648000	650000	664000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	53	21.99	21.94	21.99	23.0	0.0
Channel								
Frequency (MHz)				647334	650000	664688	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	28	21.88	21.83	22.04	23.0	0.0
Channel								
Frequency (MHz)				3720	3840	3950		
15	QPSK	1	19	21.95	21.95	21.91	23.0	0.0
Channel								
Frequency (MHz)				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	12	21.89	22.00	21.88	23.0	0.0



Par27Q PC2 n77\_Ant8 DSI1&2&4 Default power

Table with columns: 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). Rows include various modulation schemes like Pi2 BPSK, QPSK, 16QAM, and 256QAM across multiple frequencies.

PC3 n78\_Ant8 DSI1&2&4 Default power

Table with columns: 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). Rows include various modulation schemes like Pi2 BPSK, QPSK, 16QAM, and 256QAM across multiple frequencies.

Par27Q PC3 n78\_Ant8 DSI1&2&4 Default power

Table with columns: 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). Rows include various modulation schemes like Pi2 BPSK, QPSK, 16QAM, and 256QAM across multiple frequencies.



PC2 n78_Ant8 DSI1&2&4 Default power							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				65000	65000		
Frequency (MHz)				3750	3750		
100	PI2 BPSK	1	1		21.08		
100	PI2 BPSK	1	137		22.10		0.0
100	PI2 BPSK	1	271		21.11		23.0
100	PI2 BPSK	135	0		21.57		22.5 0.5
100	PI2 BPSK	135	69		22.02		23.0 0.0
100	PI2 BPSK	135	138		21.56		22.5 0.5
100	PI2 BPSK	270	0		21.53		23.0 0.0
100	QPSK	1	1		21.09		
100	QPSK	1	137		22.11		23.0 0.0
100	QPSK	1	271		21.16		
100	QPSK	135	0		21.06		22.0 1.0
100	QPSK	135	69		22.05		23.0 0.0
100	QPSK	135	138		21.09		22.0 1.0
100	QPSK	270	0		21.12		
100	16QAM	1	1		21.07		22.0 1.0
100	64QAM	1	1		18.74		20.5 2.5
100	256QAM	1	1		17.77		18.5 4.5
Channel				64968	65000	65034	Tune-up limit (dB)
Frequency (MHz)				3745.02	3750	3755.01	23.0
90	QPSK	1	123		21.77	21.89	23.0 0.0
Channel				64933	65000	65068	Tune-up limit (dB)
Frequency (MHz)				3740.01	3750	3760.02	23.0
80	QPSK	1	109		21.70	21.77	23.0 0.0
Channel				64900	65000	65100	Tune-up limit (dB)
Frequency (MHz)				3735	3750	3765	23.0
70	QPSK	1	95		21.80	21.93	23.0 0.0
Channel				64868	65000	65134	Tune-up limit (dB)
Frequency (MHz)				3730.02	3750	3770.01	23.0
60	QPSK	1	81		21.83	22.05	21.83 23.0 0.0
Channel				64834	65000	65168	Tune-up limit (dB)
Frequency (MHz)				3725.01	3750	3775.02	23.0
50	QPSK	1	67		21.85	21.97	21.89 23.0 0.0
Channel				64800	65000	65200	Tune-up limit (dB)
Frequency (MHz)				3720	3750	3780	23.0
40	QPSK	1	53		21.85	21.91	21.98 23.0 0.0
Channel				64734	65000	65268	Tune-up limit (dB)
Frequency (MHz)				3716.01	3750	3790.02	23.0
20	QPSK	1	26		21.85	22.05	21.84 23.0 0.0
Channel				64702	65000	65334	Tune-up limit (dB)
Frequency (MHz)				3707.52	3750	3792.51	23.0
15	QPSK	1	19		21.74	22.05	21.93 23.0 0.0
Channel				647000	650000	653000	Tune-up limit (dB)
Frequency (MHz)				3705	3750	3795	23.0
10	QPSK	1	12		21.73	22.10	21.95 23.0 0.0

Par27Q PC2 n78_Ant8 DSI1&2&4 Default power							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				63000	63334		
Frequency (MHz)				3600.01	3600.01		
100	PI2 BPSK	1	1		21.08		
100	PI2 BPSK	1	137		21.90		23.0 0.0
100	PI2 BPSK	1	271		21.07		22.5 0.5
100	PI2 BPSK	135	0		21.48		22.5 0.5
100	PI2 BPSK	135	69		21.80		23.0 0.0
100	PI2 BPSK	135	138		21.55		22.5 0.5
100	PI2 BPSK	270	0		21.40		23.0 0.0
100	QPSK	1	1		21.14		
100	QPSK	1	137		21.08		23.0 0.0
100	QPSK	1	271		21.08		
100	QPSK	135	0		20.84		22.0 1.0
100	QPSK	135	69		21.95		23.0 0.0
100	QPSK	135	138		20.93		22.0 1.0
100	QPSK	270	0		20.99		
100	16QAM	1	1		20.91		22.0 1.0
100	64QAM	1	1		18.59		20.5 2.5
100	256QAM	1	1		17.78		18.5 4.5
Channel				63000	63334	63666	Tune-up limit (dB)
Frequency (MHz)				3495	3500.01	3504.99	23.0
90	QPSK	1	123		21.83	21.85	21.80 23.0 0.0
Channel				62965	63334	63200	Tune-up limit (dB)
Frequency (MHz)				3490.02	3500.01	3510	23.0
80	QPSK	1	109		21.79	21.96	21.69 23.0 0.0
Channel				62934	63334	63432	Tune-up limit (dB)
Frequency (MHz)				3485.01	3500.01	3514.99	23.0
70	QPSK	1	95		21.85	21.91	21.75 23.0 0.0
Channel				62900	63334	63466	Tune-up limit (dB)
Frequency (MHz)				3480	3500.01	3519.99	23.0
60	QPSK	1	81		21.91	21.94	21.74 23.0 0.0
Channel				62865	63334	63500	Tune-up limit (dB)
Frequency (MHz)				3475.02	3500.01	3525	23.0
50	QPSK	1	67		21.92	21.91	21.80 23.0 0.0
Channel				62834	63334	63532	Tune-up limit (dB)
Frequency (MHz)				3470.01	3500.01	3529.99	23.0
40	QPSK	1	53		21.95	21.92	21.70 23.0 0.0
Channel				62800	63334	63600	Tune-up limit (dB)
Frequency (MHz)				3460.02	3500.01	3540	23.0
20	QPSK	1	26		21.80	21.92	21.87 23.0 0.0
Channel				62750	63334	63666	Tune-up limit (dB)
Frequency (MHz)				3457.5	3500.01	3542.49	23.0
15	QPSK	1	19		21.85	21.80	21.86 23.0 0.0
Channel				628334	63334	63632	Tune-up limit (dB)
Frequency (MHz)				3455.01	3500.01	3544.99	23.0
10	QPSK	1	12		21.81	21.84	21.77 23.0 0.0



**Reduced power level for 5G NR  
For DFT-15**

n7_Ant0 DSI3 For SA								
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				502000	507000	512000		
Frequency (MHz)				2510	2535	2560		
20	PI2 BPSK	1	1	15.88	15.97	16.08		
20	PI2 BPSK	1	53	15.71	15.92	15.93	17.5	0.0
20	PI2 BPSK	1	104	15.74	15.98	16.02		
20	PI2 BPSK	50	0	15.72	15.89	15.84	17.5	0.0
20	PI2 BPSK	50	28	15.79	16.06	15.93	17.5	0.0
20	PI2 BPSK	50	56	15.89	16.04	15.85		
20	PI2 BPSK	100	0	15.78	15.93	16.03	17.5	0.0
20	QPSK	1	1	15.90	16.07	16.05		
20	QPSK	1	53	15.96	16.11	16.03	17.5	0.0
20	QPSK	1	104	15.84	16.07	16.02		
20	QPSK	50	0	15.76	15.97	15.81	17.5	0.0
20	QPSK	50	28	15.93	16.05	15.99	17.5	0.0
20	QPSK	50	56	15.74	16.01	15.93		
20	QPSK	100	0	15.74	16.02	15.97	17.5	0.0
20	16QAM	1	1	15.83	16.10	15.95	17.5	0.0
20	64QAM	1	1	15.72	15.98	15.82	17.5	0.0
20	256QAM	1	1	15.92	15.94	16.03	17.5	0.0
Channel				501500	507000	512500		
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	40	15.89	16.07	15.90	17.5	0.0
Channel				501000	507000	513000		
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	26	15.87	16.01	15.92	17.5	0.0
Channel				500500	507000	513500		
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	13	15.86	16.06	15.91	17.5	0.0

n7_Ant0 DSI3 For NSA								
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				502000	507000	512000		
Frequency (MHz)				2510	2535	2560		
20	PI2 BPSK	1	1	12.82	12.96	13.00		
20	PI2 BPSK	1	53	12.68	12.91	12.79	14.5	0.0
20	PI2 BPSK	1	104	12.76	12.91	12.91		
20	PI2 BPSK	50	0	12.73	12.96	12.86	14.5	0.0
20	PI2 BPSK	50	28	13.01	12.98	12.98	14.5	0.0
20	PI2 BPSK	50	56	12.83	13.01	12.94		
20	PI2 BPSK	100	0	12.94	12.92	13.11	14.5	0.0
20	QPSK	1	1	12.89	13.19	13.12		
20	QPSK	1	53	13.08	13.23	12.95	14.5	0.0
20	QPSK	1	104	12.74	13.19	13.13		
20	QPSK	50	0	12.77	12.97	12.87	14.5	0.0
20	QPSK	50	28	12.98	13.09	13.03	14.5	0.0
20	QPSK	50	56	12.88	13.04	13.00		
20	QPSK	100	0	12.76	13.15	13.01	14.5	0.0
20	16QAM	1	1	12.83	13.15	12.86	14.5	0.0
20	64QAM	1	1	12.78	13.12	12.76	14.5	0.0
20	256QAM	1	1	12.75	12.93	13.06	14.5	0.0
Channel				501600	507000	512500		
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	40	12.96	13.13	12.84	14.5	0.0
Channel				501100	507000	513000		
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	26	12.98	13.10	12.88	14.5	0.0
Channel				500600	507000	513500		
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	13	12.92	13.05	12.81	14.5	0.0

n7_Ant0 DSI2 For SA								
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				502000	507000	512000		
Frequency (MHz)				2510	2535	2560		
20	PI2 BPSK	1	1	20.60	20.57	20.56		
20	PI2 BPSK	1	53	20.34	20.51	20.36	22.0	0.0
20	PI2 BPSK	1	104	20.49	20.45	20.82		
20	PI2 BPSK	50	0	20.41	20.79	20.68	22.0	0.0
20	PI2 BPSK	50	28	20.55	20.74	20.60	22.0	0.0
20	PI2 BPSK	50	56	20.29	20.75	20.35		
20	PI2 BPSK	100	0	20.45	20.72	20.78	22.0	0.0
20	QPSK	1	1	20.39	20.78	20.89		
20	QPSK	1	53	20.61	20.94	20.65	22.0	0.0
20	QPSK	1	104	20.32	21.01	20.69		
20	QPSK	50	0	20.42	20.68	20.49	22.0	0.0
20	QPSK	50	28	20.70	20.94	20.64	22.0	0.0
20	QPSK	50	56	20.38	20.61	20.92		
20	QPSK	100	0	20.14	20.89	20.64	22.0	0.0
20	16QAM	1	1	20.47	20.84	20.57	22.0	0.0
20	64QAM	1	1	19.77	19.88	19.86	21.0	1.0
20	256QAM	1	1	17.73	17.98	17.78	19.0	3.0
Channel				501500	507000	512500		
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	40	20.46	20.99	20.75	22.0	0.0
Channel				501000	507000	513000		
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	26	20.70	20.90	20.73	22.0	0.0
Channel				500500	507000	513500		
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	13	20.63	20.88	20.69	23.5	0.0





n7_Ant0 DS12 For NSA							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	MPR (dB)
Channel				502000	507000	512000	
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	17.74	17.54	17.84	
20	PI/2 BPSK	1	53	17.43	17.60	17.48	19.0
20	PI/2 BPSK	1	104	17.70	17.42	17.77	19.0
20	PI/2 BPSK	50	0	17.58	17.60	17.44	19.0
20	PI/2 BPSK	50	28	17.40	17.83	17.42	19.0
20	PI/2 BPSK	50	56	17.58	17.79	17.48	19.0
20	PI/2 BPSK	100	0	17.67	17.70	17.70	19.0
20	QPSK	1	1	17.81	17.74	17.86	
20	QPSK	1	53	17.68	18.15	17.83	19.0
20	QPSK	1	104	17.26	18.01	17.87	19.0
20	QPSK	50	0	17.47	17.69	17.51	19.0
20	QPSK	50	28	17.72	17.92	17.57	19.0
20	QPSK	50	56	17.23	17.89	17.78	19.0
20	QPSK	100	0	17.21	17.95	17.57	19.0
20	16QAM	1	1	17.62	17.73	17.46	19.0
20	16QAM	1	1	17.68	18.01	17.88	19.0
20	256QAM	1	1	17.62	18.00	17.83	19.0
Channel				501500	507000	512500	
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	40	17.29	17.88	17.27	19.0
Channel				501000	507000	513000	
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	26	17.35	17.74	17.25	19.0
Channel				500500	507000	513500	
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	13	17.41	17.94	17.28	20.5



### n38\_Ant0 DS13 For SA

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				519004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI2 BPSK	1	1	14.09	14.00	14.01		
40	PI2 BPSK	1	53	14.56	14.41	14.47	15.0	0.0
40	PI2 BPSK	1	104	13.98	13.89	13.91	15.0	0.0
40	PI2 BPSK	50	0	14.00	13.91	13.89	15.0	0.0
40	PI2 BPSK	50	28	14.04	13.90	14.05	15.0	0.0
40	PI2 BPSK	50	56	14.51	14.33	14.39	15.0	0.0
40	PI2 BPSK	100	0	14.02	13.83	13.85	15.0	0.0
40	QPSK	1	1	14.04	14.07	14.15		
40	QPSK	1	53	14.39	14.57	14.40	15.0	0.0
40	QPSK	1	104	14.02	13.98	14.09	15.0	0.0
40	QPSK	50	0	13.92	14.09	13.88	15.0	0.0
40	QPSK	50	28	14.20	14.33	14.29	15.0	0.0
40	QPSK	50	56	14.00	13.88	13.99	15.0	0.0
40	QPSK	100	0	13.90	13.97	13.96	15.0	0.0
40	16QAM	1	1	14.05	14.13	14.14	15.0	0.0
40	64QAM	1	1	14.15	14.41	14.22	15.0	0.0
40	256QAM	1	1	13.98	14.04	13.98	15.0	0.0
Channel				518000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	53	14.31	14.51	14.24	15.0	0.0
Channel				518502	519000	522008	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	40	14.33	14.49	14.40	15.0	0.0
Channel				518004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2583.02	2595	2614.98		
10	QPSK	1	28	14.34	14.55	14.41	15.0	0.0
Channel				514506	519000	523494	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.53	2595	2617.47		
5	QPSK	1	13	14.34	14.52	14.43	15.0	0.0

### n38\_Ant0 DS13 For NSA

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				519004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI2 BPSK	1	1	11.24	11.00	11.13		
40	PI2 BPSK	1	53	11.55	11.39	11.37	12.0	0.0
40	PI2 BPSK	1	104	10.96	10.85	10.86	12.0	0.0
40	PI2 BPSK	50	0	11.09	11.62	11.31	12.0	0.0
40	PI2 BPSK	50	28	11.15	11.59	11.32	12.0	0.0
40	PI2 BPSK	50	56	11.50	11.30	11.36	12.0	0.0
40	PI2 BPSK	100	0	11.10	10.89	10.88	12.0	0.0
40	QPSK	1	1	11.02	10.95	11.07		
40	QPSK	1	53	11.26	11.63	11.32	12.0	0.0
40	QPSK	1	104	11.09	11.50	11.29	12.0	0.0
40	QPSK	50	0	11.02	10.82	10.89	12.0	0.0
40	QPSK	50	28	11.09	11.62	11.40	12.0	0.0
40	QPSK	50	56	11.18	11.53	11.33	12.0	0.0
40	QPSK	100	0	11.26	11.40	11.24	12.0	0.0
40	16QAM	1	1	11.15	11.04	11.21	12.0	0.0
40	64QAM	1	1	11.25	11.35	11.11	12.0	0.0
40	256QAM	1	1	11.08	11.54	11.27	12.0	0.0
Channel				518000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	53	11.18	11.57	11.23	12.0	0.0
Channel				518502	519000	522008	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	40	11.21	11.59	11.25	12.0	0.0
Channel				518004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2583.02	2595	2614.98		
10	QPSK	1	28	11.19	11.59	11.31	12.0	0.0
Channel				514506	519000	523494	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.53	2595	2617.47		
5	QPSK	1	13	11.16	11.61	11.27	12.0	0.0

### n41\_Ant0 DS13 For SA

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				520004	518598	520996		
Frequency (MHz)				2521.02	2592.99	2604.99		
50	PI2 BPSK	1	1	16.21	16.32	16.24		
50	PI2 BPSK	1	135	16.22	16.60	16.13	18.0	0.0
50	PI2 BPSK	1	268	16.02	16.11	16.18	18.0	0.0
50	PI2 BPSK	135	0	16.19	16.25	16.29	18.0	0.0
50	PI2 BPSK	135	68	16.26	16.43	16.34	18.0	0.0
50	PI2 BPSK	135	135	16.10	16.35	16.11	18.0	0.0
50	PI2 BPSK	270	0	16.42	16.25	16.36	18.0	0.0
50	QPSK	1	1	16.65	16.10	16.11		
50	QPSK	1	135	16.29	16.70	16.09	18.0	0.0
50	QPSK	1	268	16.13	16.05	16.04	18.0	0.0
50	QPSK	135	0	16.19	16.46	16.48	18.0	0.0
50	QPSK	135	68	16.18	16.56	16.04	18.0	0.0
50	QPSK	135	135	16.23	16.51	16.46	18.0	0.0
50	QPSK	270	0	16.15	16.68	16.06	18.0	0.0
50	16QAM	1	1	16.28	16.30	16.51	18.0	0.0
50	64QAM	1	1	16.16	16.49	16.39	18.0	0.0
50	256QAM	1	1	16.41	16.24	16.30	18.0	0.0
Channel				530302	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	PI2 BPSK	1	108	16.21	16.65	15.90	18.0	0.0
Channel				522002	518598	525996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	PI2 BPSK	1	80	16.14	16.51	16.10	18.0	0.0
Channel				501204	518598	535996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.02	2592.99	2678.99		
20	QPSK	1	53	16.28	16.52	15.93	18.0	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	40	16.07	16.61	16.05	18.0	0.0
Channel				530002	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2688		
10	QPSK	1	28	16.19	16.71	15.88	18.0	0.0



n41_Ant0 DS13 For NSA							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				584998	518598	532998	
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI2 BPSK	1	1	13.56	13.66	13.62	
50	PI2 BPSK	1	135	13.63	14.05	13.78	15.5
50	PI2 BPSK	1	268	13.56	13.52	13.61	15.5
50	PI2 BPSK	135	0	13.69	14.03	13.80	15.5
50	PI2 BPSK	135	68	13.87	13.91	13.85	15.5
50	PI2 BPSK	135	135	13.80	13.89	13.85	15.5
50	PI2 BPSK	270	0	14.01	14.01	13.87	15.5
50	QPSK	1	1	13.51	13.55	13.63	15.5
50	QPSK	1	135	13.73	14.25	13.78	15.5
50	QPSK	1	268	13.55	13.72	13.56	15.5
50	QPSK	135	0	13.88	14.16	13.96	15.5
50	QPSK	135	68	13.60	13.23	13.66	15.5
50	QPSK	135	135	13.69	13.92	14.08	15.5
50	QPSK	270	0	13.86	14.15	13.77	15.5
50	16QAM	1	1	13.89	13.77	14.07	15.5
50	16QAM	1	1	13.79	14.04	13.85	15.5
50	256QAM	1	1	14.10	13.90	13.85	15.5
Channel				503202	518598	534000	
Frequency (MHz)				2516.01	2592.99	2670	
40	PI2 BPSK	1	108	13.88	14.23	13.57	15.5
Channel				522203	518598	534998	
Frequency (MHz)				2511	2592.99	2674.98	
30	PI2 BPSK	1	80	13.52	14.16	13.57	15.5
Channel				501204	518598	535998	
Frequency (MHz)				2506.02	2592.99	2679.99	
20	QPSK	1	53	13.57	14.05	13.80	15.5
Channel				500700	518598	536998	
Frequency (MHz)				2503.5	2592.99	2682.48	
15	QPSK	1	40	13.54	14.06	13.65	15.5
Channel				500202	518598	537000	
Frequency (MHz)				2501.01	2592.99	2685	
10	QPSK	1	26	13.68	14.23	13.61	15.5

n41_Ant0 DS12 For SA							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				584998	518598	532998	
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI2 BPSK	1	1	21.92	22.01	21.87	
50	PI2 BPSK	1	135	21.89	21.93	22.02	22.5
50	PI2 BPSK	1	268	21.81	21.90	21.54	22.5
50	PI2 BPSK	135	0	21.84	22.03	21.74	22.5
50	PI2 BPSK	135	68	21.95	21.82	21.90	22.5
50	PI2 BPSK	135	135	21.95	21.85	21.94	22.5
50	PI2 BPSK	270	0	21.84	22.01	21.96	22.5
50	QPSK	1	1	21.80	22.05	21.91	22.5
50	QPSK	1	135	21.75	22.18	21.59	22.5
50	QPSK	1	268	21.76	21.80	21.82	22.5
50	QPSK	135	0	21.88	21.87	21.61	22.5
50	QPSK	135	68	21.91	21.84	21.85	22.5
50	QPSK	135	135	21.74	21.87	21.90	22.5
50	QPSK	270	0	21.88	21.90	21.89	22.5
50	16QAM	1	1	21.74	21.92	21.70	22.5
50	16QAM	1	1	21.77	21.79	21.67	22.5
50	256QAM	1	1	20.48	20.59	20.52	21.0
Channel				503202	518598	534000	
Frequency (MHz)				2516.01	2592.99	2670	
40	PI2 BPSK	1	108	21.87	22.15	21.59	22.5
Channel				522203	518598	534998	
Frequency (MHz)				2511	2592.99	2674.98	
30	PI2 BPSK	1	80	21.60	22.18	21.52	22.5
Channel				501204	518598	535998	
Frequency (MHz)				2506.02	2592.99	2679.99	
20	QPSK	1	53	21.73	22.17	21.40	22.5
Channel				500700	518598	536998	
Frequency (MHz)				2503.5	2592.99	2682.48	
15	QPSK	1	40	21.86	22.01	21.52	22.5
Channel				500202	518598	537000	
Frequency (MHz)				2501.01	2592.99	2685	
10	QPSK	1	26	21.63	22.15	21.48	22.5



n66_Ant1 DSI3 For SA&NSA								
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	22.08	21.91	21.84		
40	PI/2 BPSK	1	108	22.31	22.25	22.18	23.5	0.0
40	PI/2 BPSK	1	214	22.08	22.34	22.03		
40	PI/2 BPSK	108	0	21.86	21.86	22.06	23.5	0.0
40	PI/2 BPSK	108	54	21.95	21.80	21.84	23.5	0.0
40	PI/2 BPSK	108	108	22.29	22.39	22.14	23.5	0.0
40	PI/2 BPSK	216	0	22.06	22.25	22.01		
40	QPSK	1	1	21.99	21.82	21.68		
40	QPSK	1	108	22.34	22.52	22.24	23.5	0.0
40	QPSK	1	214	22.13	22.25	21.99		
40	QPSK	108	0	21.73	21.69	21.91	23.5	0.0
40	QPSK	108	54	22.05	22.39	21.89	23.5	0.0
40	QPSK	108	108	22.26	22.37	22.20	23.5	0.0
40	QPSK	216	0	21.90	22.31	21.92		
40	16QAM	1	1	21.94	21.84	22.05	23.5	0.0
40	64QAM	1	1	21.84	21.87	21.82	23.0	0.5
40	256QAM	1	1	19.88	19.95	19.65	21.0	2.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	PI/2 BPSK	1	80	22.24	22.38	22.13	23.5	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	PI/2 BPSK	1	67	22.29	22.33	22.15	23.5	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	53	22.23	22.30	22.10	23.5	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	40	22.26	22.37	22.18	23.5	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	26	22.22	22.37	22.13	23.5	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	13	22.12	22.12	22.12	23.5	0.0



n77_Ant1 DSI3 For SA&ENDC							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				848334	850000	863668	
Frequency (MHz)				3725.01	3840	3955.02	
50	PI2 BPSK	1	1	20.11	20.23	20.44	
50	PI2 BPSK	1	135	20.08	20.55	20.32	
50	PI2 BPSK	1	268	20.20	20.48	20.64	
50	PI2 BPSK	135	0	20.27	20.80	20.30	22.0
50	PI2 BPSK	135	68	20.24	20.63	20.29	22.0
50	PI2 BPSK	135	135	20.08	20.68	20.46	
50	PI2 BPSK	270	0	20.21	20.61	20.40	
50	QPSK	1	1	20.02	20.15	20.13	
50	QPSK	1	135	20.28	20.83	20.51	
50	QPSK	1	268	20.17	20.12	20.34	
50	QPSK	135	0	20.16	20.72	20.53	22.0
50	QPSK	135	68	20.12	20.73	20.35	22.0
50	QPSK	135	135	20.34	20.54	20.51	
50	QPSK	270	0	20.14	20.65	20.47	
50	16QAM	1	1	20.17	20.21	20.39	22.0
50	16QAM	1	1	20.03	20.26	20.35	22.0
50	256QAM	1	1	19.58	19.55	19.74	21.5
Channel				848334	850000	863668	
Frequency (MHz)				3725.01	3840	3955.02	
40	QPSK	1	53	20.35	20.51	20.36	22.0
Channel				847168	850000	864834	
Frequency (MHz)				3710.01	3840	3970.02	
20	QPSK	1	26	20.34	20.68	20.43	22.0
Channel				847168	850000	864834	
Frequency (MHz)				3710.01	3840	3970.02	
15	QPSK	1	19	20.27	20.54	20.37	22.0
Channel				847000	850000	865000	
Frequency (MHz)				3705	3840	3975	
10	QPSK	1	12	20.13	20.58	20.32	22.0

Par27Q n77_Ant1 DSI3 For SA&ENDC							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				8376.02	833334	835000	
Frequency (MHz)				3476.02	3500.01	3525	
50	PI2 BPSK	1	1	20.10	20.11	20.07	
50	PI2 BPSK	1	135	20.60	20.81	20.58	
50	PI2 BPSK	1	268	20.18	20.23	20.18	
50	PI2 BPSK	135	0	20.44	20.48	20.44	22.0
50	PI2 BPSK	135	68	20.35	20.39	20.36	22.0
50	PI2 BPSK	135	135	20.27	20.32	20.31	
50	PI2 BPSK	270	0	20.84	20.87	20.84	
50	QPSK	1	1	20.22	20.23	20.22	
50	QPSK	1	135	20.79	20.81	20.78	
50	QPSK	1	268	20.11	20.12	20.11	
50	QPSK	135	0	20.52	20.55	20.52	22.0
50	QPSK	135	68	20.68	20.71	20.66	22.0
50	QPSK	135	135	20.38	20.37	20.32	
50	QPSK	270	0	20.45	20.51	20.49	
50	16QAM	1	1	20.06	20.11	20.08	22.0
50	16QAM	1	1	20.11	20.16	20.10	22.0
50	256QAM	1	1	19.51	19.56	19.54	21.5
Channel				8376.02	833334	835000	
Frequency (MHz)				3476.02	3500.01	3525	
40	QPSK	1	53	20.50	20.54	20.37	22.0
Channel				832668	833334	835000	
Frequency (MHz)				3460.02	3500.01	3540	
20	QPSK	1	26	20.57	20.45	20.52	22.0
Channel				836000	833334	838168	
Frequency (MHz)				3476.5	3500.01	3442.89	
15	QPSK	1	19	20.61	20.46	20.37	22.0
Channel				830334	833334	836332	
Frequency (MHz)				3455.01	3500.01	3544.98	
10	QPSK	1	12	20.55	20.58	20.44	22.0

n78_Ant1 DSI3 For SA&ENDC							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				848334	850000	861668	
Frequency (MHz)				3725.01	3750	3775.02	
50	PI2 BPSK	1	1	20.16	20.23	20.14	
50	PI2 BPSK	1	135	20.48	20.64	20.47	
50	PI2 BPSK	1	268	20.37	20.15	20.37	
50	PI2 BPSK	135	0	20.73	20.62	20.71	22.0
50	PI2 BPSK	135	68	20.56	20.51	20.56	22.0
50	PI2 BPSK	135	135	20.62	20.39	20.61	
50	PI2 BPSK	270	0	20.52	20.53	20.53	
50	QPSK	1	1	20.04	20.26	20.07	
50	QPSK	1	135	20.76	20.82	20.77	
50	QPSK	1	268	20.02	20.16	20.04	
50	QPSK	135	0	20.69	20.41	20.63	22.0
50	QPSK	135	68	20.45	20.68	20.65	22.0
50	QPSK	135	135	20.42	20.43	20.45	
50	QPSK	270	0	20.56	20.57	20.51	
50	16QAM	1	1	20.09	20.25	20.12	22.0
50	16QAM	1	1	20.14	20.16	20.14	22.0
50	256QAM	1	1	19.47	19.07	19.46	21.5
Channel				848334	850000	861668	
Frequency (MHz)				3725.01	3750	3775.02	
40	QPSK	1	53	20.30	20.60	20.57	22.0
Channel				847334	850000	858000	
Frequency (MHz)				3710.01	3750	3790.02	
20	QPSK	1	26	20.40	20.58	20.49	22.0
Channel				847168	850000	862834	
Frequency (MHz)				3700.52	3750	3762.81	
15	QPSK	1	19	20.39	20.50	20.56	22.0
Channel				847000	850000	863000	
Frequency (MHz)				3705	3750	3795	
10	QPSK	1	12	20.39	20.60	20.50	22.0



### Par27Q n78\_Ant1 DS13 For SA&ENDC

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				631668	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525		
50	PI2 BPSK	1	1	20.02	20.26	20.15		
50	PI2 BPSK	1	135	20.50	20.73	20.04	22.0	0.0
50	PI2 BPSK	1	268	20.12	20.14	20.38		
50	PI2 BPSK	135	0	20.38	20.48	20.00	22.0	0.0
50	PI2 BPSK	135	68	20.32	20.50	20.02	22.0	0.0
50	PI2 BPSK	135	135	20.26	20.41	20.18		
50	PI2 BPSK	270	0	20.59	20.42	20.11	22.0	0.0
50	QPSK	1	1	20.17	20.31	20.05		
50	QPSK	1	135	20.71	20.77	20.21	22.0	0.0
50	QPSK	1	268	20.05	20.52	20.08		
50	QPSK	135	0	20.48	20.50	20.25	22.0	0.0
50	QPSK	135	68	20.61	20.64	20.09	22.0	0.0
50	QPSK	135	135	20.26	20.62	20.20		
50	QPSK	270	0	20.44	20.46	20.15	22.0	0.0
50	16QAM	1	1	20.06	20.15	20.09	22.0	0.0
50	16QAM	1	1	20.09	20.26	20.06	22.0	0.0
50	256QAM	1	1	19.49	19.75	19.45	21.5	0.5
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
40	QPSK	1	53	20.68	20.59	20.49	22.0	0.0
Channel				630263	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	26	20.59	20.61	20.42	22.0	0.0
Channel				630500	633334	636168	Tune-up limit	MPR
Frequency (MHz)				3429.5	3500.01	3542.48	(dBm)	(dB)
15	QPSK	1	19	20.59	20.69	20.48	22.0	0.0
Channel				630334	633334	636332	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3544.98	(dBm)	(dB)
10	QPSK	1	12	20.74	20.67	20.43	22.0	0.0



n7_Ant2 DS14 For SA									
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				502000	507000	512000			
Frequency (MHz)				2510	2535	2560	Tune-up limit (dBm)	MPR (dB)	
20	PI/2 BPSK	1	1	17.89	18.22	18.01			
20	PI/2 BPSK	1	53	18.03	18.07	18.14	19.5	0.0	
20	PI/2 BPSK	1	104	18.06	18.08	17.97			
20	PI/2 BPSK	50	0	17.80	18.01	17.96	19.5	0.0	
20	PI/2 BPSK	50	28	17.89	18.10	18.20	19.5	0.0	
20	PI/2 BPSK	50	56	17.83	17.97	18.03	19.5	0.0	
20	PI/2 BPSK	100	0	18.00	18.14	17.96			
20	QPSK	1	1	18.10	18.32	18.22			
20	QPSK	1	53	17.94	18.36	17.87	19.5	0.0	
20	QPSK	1	104	17.88	18.21	18.00			
20	QPSK	50	0	17.92	18.17	18.07	19.5	0.0	
20	QPSK	50	28	17.92	18.23	17.88	19.5	0.0	
20	QPSK	50	56	17.93	18.00	17.96			
20	QPSK	100	0	18.05	18.24	18.16	19.5	0.0	
20	16QAM	1	1	17.79	18.13	18.07	19.5	0.0	
20	64QAM	1	1	18.19	18.19	18.06	19.5	0.0	
20	256QAM	1	1	18.04	18.02	17.92	19.5	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	19.5	0.0	
15	QPSK	1	40	17.81	18.21	17.77	19.5	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	19.5	0.0	
10	QPSK	1	26	17.82	18.28	17.76	19.5	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	19.5	0.0	
5	QPSK	1	13	17.81	18.23	17.81	19.5	0.0	

n7_Ant2 DS14 For END C									
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				502000	507000	512000			
Frequency (MHz)				2510	2535	2560	Tune-up limit (dBm)	MPR (dB)	
20	PI/2 BPSK	1	1	15.02	15.19	15.12			
20	PI/2 BPSK	1	53	15.24	15.10	15.21	16.5	0.0	
20	PI/2 BPSK	1	104	15.00	15.11	15.04			
20	PI/2 BPSK	50	0	14.81	15.13	14.91	16.5	0.0	
20	PI/2 BPSK	50	28	14.84	15.15	15.17	16.5	0.0	
20	PI/2 BPSK	50	56	14.87	14.92	14.99	16.5	0.0	
20	PI/2 BPSK	100	0	14.95	15.10	14.91			
20	QPSK	1	1	15.14	15.31	15.17			
20	QPSK	1	53	14.93	15.53	15.02	16.5	0.0	
20	QPSK	1	104	14.86	15.22	15.01			
20	QPSK	50	0	14.99	15.13	15.05	16.5	0.0	
20	QPSK	50	28	14.95	15.15	14.90	16.5	0.0	
20	QPSK	50	56	14.95	15.12	14.90	16.5	0.0	
20	QPSK	100	0	15.05	15.24	15.11	16.5	0.0	
20	16QAM	1	1	14.86	15.10	15.23	16.5	0.0	
20	64QAM	1	1	15.17	15.17	14.95	16.5	0.0	
20	256QAM	1	1	15.17	15.16	15.03	16.5	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	16.5	0.0	
15	QPSK	1	40	14.84	15.43	14.92	16.5	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	16.5	0.0	
10	QPSK	1	26	14.81	15.43	14.91	16.5	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	16.5	0.0	
5	QPSK	1	13	14.80	15.26	14.90	16.5	0.0	



### n38\_Ant2 DS14 For SA

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				519004	519000	519996		
Frequency (MHz)				2696.02	2695	2699.98		
40	PV2 BPSK	1	1	15.42	15.42	15.36		
40	PV2 BPSK	1	53	15.70	15.79	15.76	16.0	0.0
40	PV2 BPSK	1	104	15.35	15.31	15.23		
40	PV2 BPSK	50	0	15.27	15.41	15.37	16.0	0.0
40	PV2 BPSK	50	28	15.37	15.75	15.75	16.0	0.0
40	PV2 BPSK	50	56	15.43	15.40	15.09		
40	PV2 BPSK	100	0	15.38	15.43	15.51	16.0	0.0
40	QPSK	1	1	15.25	15.30	15.48		
40	QPSK	1	53	15.78	15.88	15.70	16.0	0.0
40	QPSK	1	104	15.55	15.69	15.28		
40	QPSK	50	0	15.69	15.75	15.74	16.0	0.0
40	QPSK	50	28	15.52	15.95	15.95	16.0	0.0
40	QPSK	50	56	15.37	15.38	15.31		
40	QPSK	100	0	15.75	15.80	15.61	16.0	0.0
40	16QAM	1	1	15.42	15.44	15.40	16.0	0.0
40	64QAM	1	1	15.78	15.69	15.61	16.0	0.0
40	256QAM	1	1	15.47	15.42	15.41	16.0	0.0
Channel				516000	519000	520000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	53	15.63	15.81	15.72	16.0	0.0
Channel				515002	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	40	15.63	15.78	15.63	16.0	0.0
Channel				519004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2678.02	2695	2614.98		
10	QPSK	1	26	15.79	15.80	15.76	16.0	0.0
Channel				514006	519000	523494	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.53	2595	2617.47		
5	QPSK	1	13	15.68	15.82	15.82	16.0	0.0

### n38\_Ant2 DS14 For ENDC

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				519004	519000	519996		
Frequency (MHz)				2696.02	2695	2699.98		
40	PV2 BPSK	1	1	12.40	12.39	12.23		
40	PV2 BPSK	1	53	12.76	12.94	12.74	13.0	0.0
40	PV2 BPSK	1	104	12.43	12.38	12.30		
40	PV2 BPSK	50	0	12.34	12.45	12.24	13.0	0.0
40	PV2 BPSK	50	28	12.59	12.75	12.68	13.0	0.0
40	PV2 BPSK	50	56	12.25	12.35	12.20		
40	PV2 BPSK	100	0	12.57	12.44	12.36	13.0	0.0
40	QPSK	1	1	12.28	12.50	12.60		
40	QPSK	1	53	12.73	12.99	12.74	13.0	0.0
40	QPSK	1	104	12.38	12.90	12.19		
40	QPSK	50	0	12.74	12.81	12.84	13.0	0.0
40	QPSK	50	28	12.46	12.92	12.10	13.0	0.0
40	QPSK	50	56	12.41	12.51	12.32		
40	QPSK	100	0	12.71	12.88	12.73	13.0	0.0
40	16QAM	1	1	12.42	12.49	12.36	13.0	0.0
40	64QAM	1	1	12.72	12.87	12.59	13.0	0.0
40	256QAM	1	1	12.38	12.34	12.33	13.0	0.0
Channel				516000	519000	520000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	53	12.62	12.90	12.87	13.0	0.0
Channel				515002	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	40	12.63	12.89	12.65	13.0	0.0
Channel				519004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2678.02	2695	2614.98		
10	QPSK	1	26	12.63	12.90	12.85	13.0	0.0
Channel				514006	519000	523494	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.53	2595	2617.47		
5	QPSK	1	13	12.58	12.82	12.69	13.0	0.0

### n41\_Ant2 DS14 For SA&ENDC

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				503004	505996	509996		
Frequency (MHz)				2621.02	2652.99	2684.99		
50	PV2 BPSK	1	1	18.53	18.51	18.81		
50	PV2 BPSK	1	135	18.86	18.87	18.92	20.5	0.0
50	PV2 BPSK	1	268	18.69	18.78	18.68		
50	PV2 BPSK	135	0	18.62	18.88	18.74	20.5	0.0
50	PV2 BPSK	135	68	18.82	19.02	19.00	20.5	0.0
50	PV2 BPSK	135	135	19.05	19.15	19.08		
50	PV2 BPSK	270	0	18.93	18.74	18.91	20.5	0.0
50	QPSK	1	1	18.50	18.21	18.38		
50	QPSK	1	135	19.00	19.23	19.14	20.5	0.0
50	QPSK	1	268	18.92	18.88	18.79		
50	QPSK	135	0	18.72	18.89	18.87	20.5	0.0
50	QPSK	135	68	19.00	19.16	19.06	20.5	0.0
50	QPSK	135	135	19.02	18.99	19.06	20.5	0.0
50	QPSK	270	0	19.04	19.14	19.08		
50	16QAM	1	1	18.90	18.97	18.88	20.5	0.0
50	64QAM	1	1	19.18	19.03	19.12	20.5	0.0
50	256QAM	1	1	18.85	18.78	19.00	20.5	0.0
Channel				503002	518998	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	PV2 BPSK	1	108	19.07	19.07	19.22	20.5	0.0
Channel				503000	518998	533998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	PV2 BPSK	1	80	19.18	19.04	19.12	20.5	0.0
Channel				501204	518998	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2504.02	2592.99	2679.99		
20	QPSK	1	53	19.13	19.04	19.16	20.5	0.0
Channel				500700	518998	536498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	40	19.21	19.12	19.22	20.5	0.0
Channel				500002	518998	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	26	19.11	19.17	19.14	20.5	0.0





n77_Ant3 DS14 For SA&ENDC									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3725.01	3840	3955.02			
50	PI2 BPSK	1	1	22.23	22.21	22.16			
50	PI2 BPSK	1	135	22.36	22.31	21.98	23.5	0.0	
50	PI2 BPSK	1	268	22.11	22.47	21.98			
50	PI2 BPSK	135	0	22.11	22.33	22.07	23.5	0.0	
50	PI2 BPSK	135	68	22.14	22.24	22.28	23.5	0.0	
50	PI2 BPSK	135	135	22.49	22.51	22.15	23.5	0.0	
50	PI2 BPSK	270	0	22.20	22.39	22.19			
50	QPSK	1	1	22.23	22.46	22.45			
50	QPSK	1	135	22.54	22.55	22.06	23.5	0.0	
50	QPSK	1	268	22.28	22.47	22.14			
50	QPSK	135	0	22.19	22.31	22.03	23.5	0.0	
50	QPSK	135	68	22.28	22.36	22.00	23.5	0.0	
50	QPSK	135	135	22.17	22.28	22.20			
50	QPSK	270	0	22.16	22.40	22.11			
50	16QAM	1	1	22.05	22.33	22.13	23.5	0.0	
50	16QAM	1	1	22.01	22.08	21.80	23.0	0.5	
50	256QAM	1	1	20.05	20.07	19.73	21.0	2.5	
Channel									
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	53	22.29	22.24	22.07	23.5	0.0	
Channel									
Frequency (MHz)				547.534	650.000	654.968			
20	QPSK	1	26	3710.01	3840	3970.02	23.5	0.0	
Channel									
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	19	22.29	22.36	22.13	23.5	0.0	
Channel									
Frequency (MHz)				647.000	650.000	650.000			
10	QPSK	1	12	22.28	22.28	22.21	23.5	0.0	

Par27Q n77_Ant3 DS14 For SA&ENDC									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3475.02	3500.01	3525			
50	PI2 BPSK	1	1	22.32	22.59	22.33			
50	PI2 BPSK	1	135	22.41	22.38	22.48	23.5	0.0	
50	PI2 BPSK	1	268	22.38	22.46	22.46			
50	PI2 BPSK	135	0	22.37	22.35	22.44	23.5	0.0	
50	PI2 BPSK	135	68	22.36	22.41	22.34	23.5	0.0	
50	PI2 BPSK	135	135	22.45	22.52	22.47	23.5	0.0	
50	PI2 BPSK	270	0	22.49	22.50	22.48			
50	QPSK	1	1	22.28	22.37	22.25			
50	QPSK	1	135	22.52	22.52	22.54	23.5	0.0	
50	QPSK	1	268	22.52	22.49	22.53			
50	QPSK	135	0	22.30	22.19	22.16	23.5	0.0	
50	QPSK	135	68	22.42	22.49	22.50	23.5	0.0	
50	QPSK	135	135	22.54	22.19	22.19			
50	QPSK	270	0	22.54	22.48	22.48			
50	16QAM	1	1	22.37	22.35	22.29	23.5	0.0	
50	16QAM	1	1	22.19	22.20	22.14	23.0	0.5	
50	256QAM	1	1	20.11	20.21	20.16	21.0	2.5	
Channel									
Frequency (MHz)				631.534	633.534	635.532			
40	QPSK	1	53	3470.01	3500.01	3525.98	23.5	0.0	
Channel									
Frequency (MHz)				630.968	633.534	636.000			
20	QPSK	1	26	3460.02	3500.01	3540	23.5	0.0	
Channel									
Frequency (MHz)				630.334	633.534	635.532			
15	QPSK	1	19	22.20	22.41	22.21	23.5	0.0	
Channel									
Frequency (MHz)				3464.01	3500.01	3544.98			
10	QPSK	1	12	22.30	22.39	22.29	23.5	0.0	

n77_Ant3 DS11 For ENDC									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3725.01	3840	3955.02			
50	PI2 BPSK	1	1	21.09	21.19	21.19			
50	PI2 BPSK	1	135	21.39	21.45	21.09	22.5	0.0	
50	PI2 BPSK	1	268	21.25	21.49	20.90			
50	PI2 BPSK	135	0	21.17	21.31	21.17	22.5	0.0	
50	PI2 BPSK	135	68	21.08	21.40	21.28	22.5	0.0	
50	PI2 BPSK	135	135	21.44	21.49	21.23	22.5	0.0	
50	PI2 BPSK	270	0	21.10	21.38	21.27			
50	QPSK	1	1	21.42	21.46	21.27			
50	QPSK	1	135	21.41	21.53	21.13	22.5	0.0	
50	QPSK	1	268	21.32	21.51	21.34			
50	QPSK	135	0	21.18	21.36	21.04	22.5	0.0	
50	QPSK	135	68	21.31	21.49	20.98	22.5	0.0	
50	QPSK	135	135	21.38	21.31	21.10			
50	QPSK	270	0	21.27	21.43	21.06			
50	16QAM	1	1	21.16	21.22	21.17	22.5	0.0	
50	16QAM	1	1	20.85	21.16	20.78	22.5	0.0	
50	256QAM	1	1	19.12	19.96	19.59	21.0	1.5	
Channel									
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	53	21.25	21.34	21.04	22.5	0.0	
Channel									
Frequency (MHz)				647.534	650.000	654.968			
20	QPSK	1	26	3710.01	3840	3970.02	22.5	0.0	
Channel									
Frequency (MHz)				647.000	650.000	654.968			
15	QPSK	1	19	21.34	21.30	21.10	22.5	0.0	
Channel									
Frequency (MHz)				647.000	650.000	650.000			
10	QPSK	1	12	21.39	21.40	21.08	22.5	0.0	



Par27Q n77_Ant3 DSI1 For ENDC									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	PI2 BPSK	1	1	21.24	21.24	21.25			
50	PI2 BPSK	1	135	21.54	21.49	21.49	22.5	0.0	
50	PI2 BPSK	1	268	21.35	21.45	21.37			
50	PI2 BPSK	135	0	21.27	21.37	21.35	22.5	0.0	
50	PI2 BPSK	135	68	21.11	21.06	21.20	22.5	0.0	
50	PI2 BPSK	135	135	21.39	21.48	21.45	22.5	0.0	
50	PI2 BPSK	270	0	21.21	21.27	21.32			
50	QPSK	1	1	21.35	21.36	21.49			
50	QPSK	1	135	21.54	21.57	21.68	22.5	0.0	
50	QPSK	1	268	21.41	21.40	21.42			
50	QPSK	135	0	21.38	21.39	21.28	22.5	0.0	
50	QPSK	135	68	21.36	21.32	21.34	22.5	0.0	
50	QPSK	135	135	21.25	21.35	21.34			
50	QPSK	270	0	21.47	21.35	21.38			
50	16QAM	1	1	21.27	21.28	21.27	22.5	0.0	
50	16QAM	1	1	21.58	21.66	21.55	22.5	0.0	
50	256QAM	1	1	20.16	20.10	20.21	21.0	1.5	
Channel									
Frequency (MHz)									
40	QPSK	1	53	21.38	21.35	21.27	22.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	26	21.42	21.21	21.30	22.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	19	21.37	21.30	21.10	22.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	12	21.28	21.22	21.25	22.5	0.0	

n78_Ant3 DSI4 For SA&ENDC									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	PI2 BPSK	1	1	22.03	22.18	22.05			
50	PI2 BPSK	1	135	22.23	22.10	22.19	23.5	22.5	
50	PI2 BPSK	1	268	22.42	22.47	22.40			
50	PI2 BPSK	135	0	22.12	22.20	22.24	23.5	0.0	
50	PI2 BPSK	135	68	22.26	22.18	22.22	23.5	22.5	
50	PI2 BPSK	135	135	22.16	22.30	22.24	23.5	0.0	
50	PI2 BPSK	270	0	22.37	22.36	22.23			
50	QPSK	1	1	22.23	22.19	22.26			
50	QPSK	1	135	22.41	22.45	22.37	23.5	0.0	
50	QPSK	1	268	22.31	22.29	22.29			
50	QPSK	135	0	22.11	22.12	22.14	23.5	0.0	
50	QPSK	135	68	22.30	22.34	22.41	23.5	0.0	
50	QPSK	135	135	22.27	22.34	22.34			
50	QPSK	270	0	22.34	22.28	22.30			
50	16QAM	1	1	22.35	22.44	22.46	23.5	0.0	
50	16QAM	1	1	22.04	21.98	22.03	23.0	0.5	
50	256QAM	1	1	19.97	19.92	20.00	21.0	1.5	
Channel									
Frequency (MHz)									
40	QPSK	1	53	22.38	22.28	22.17	23.5	22.5	
Channel									
Frequency (MHz)									
20	QPSK	1	26	22.35	22.32	22.23	23.5	22.5	
Channel									
Frequency (MHz)									
15	QPSK	1	19	22.31	22.35	22.28	23.5	22.5	
Channel									
Frequency (MHz)									
10	QPSK	1	12	22.38	22.38	22.19	23.5	22.5	

Par27Q n78_Ant3 DSI4 For SA&ENDC									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	PI2 BPSK	1	1	22.09	22.08	22.16			
50	PI2 BPSK	1	135	22.10	22.04	22.07	23.5	0.0	
50	PI2 BPSK	1	268	22.28	22.39	22.24			
50	PI2 BPSK	135	0	22.21	22.19	22.15	23.5	0.0	
50	PI2 BPSK	135	68	22.04	22.01	22.04	23.5	0.0	
50	PI2 BPSK	135	135	22.22	22.23	22.14	23.5	0.0	
50	PI2 BPSK	270	0	22.14	22.17	22.09			
50	QPSK	1	1	22.36	22.24	22.36			
50	QPSK	1	135	22.43	22.38	22.47	23.5	0.0	
50	QPSK	1	268	22.14	22.21	22.14			
50	QPSK	135	0	22.28	22.20	22.22	23.5	0.0	
50	QPSK	135	68	22.29	22.34	22.27	23.5	0.0	
50	QPSK	135	135	22.13	22.17	22.21			
50	QPSK	270	0	22.19	22.19	22.27			
50	16QAM	1	1	22.20	22.29	22.30	23.5	0.0	
50	16QAM	1	1	21.94	21.92	22.02	23.0	0.5	
50	256QAM	1	1	19.92	19.95	19.94	21.0	1.5	
Channel									
Frequency (MHz)									
40	QPSK	1	53	22.27	22.28	22.12	23.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	26	22.22	22.25	22.11	23.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	19	22.22	22.32	22.16	23.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	12	22.12	22.32	22.12	23.5	0.0	



n78_Ant3 DS1 For ENDC								
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				648334	650000	651666		
Frequency (MHz)				3725.01	3750	3775.02		
50	Pi/2 BPSK	1	1	21.20	21.14	21.19		
50	Pi/2 BPSK	1	135	21.16	21.17	21.08	22.5	0.0
50	Pi/2 BPSK	1	268	21.34	21.36	21.38		
50	Pi/2 BPSK	135	0	21.23	21.19	21.23	22.5	0.0
50	Pi/2 BPSK	135	68	21.11	21.06	21.06	22.5	0.0
50	Pi/2 BPSK	135	135	21.25	21.21	21.22	22.5	0.0
50	Pi/2 BPSK	270	0	21.19	21.06	21.15		
50	QPSK	1	1	21.36	21.31	21.25		
50	QPSK	1	135	21.03	21.06	21.01	22.5	0.0
50	QPSK	1	268	21.03	21.05	21.02		
50	QPSK	135	0	21.33	21.41	21.32	22.5	0.0
50	QPSK	135	68	21.54	21.49	21.59	22.5	0.0
50	QPSK	135	135	21.07	21.18	21.13	22.5	0.0
50	QPSK	270	0	21.40	21.34	21.37		
50	16QAM	1	1	21.28	21.21	21.16	22.5	0.0
50	16QAM	1	1	21.56	21.36	21.50	22.5	0.0
50	256QAM	1	1	19.04	19.03	19.00	21.0	1.5
Channel				648000	650000	650000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	53	21.28	21.19	21.31	22.5	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3718.01	3750	3780.02		
20	QPSK	1	26	21.27	21.29	21.33	22.5	0.0
Channel				647166	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	19	21.14	21.20	21.33	22.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	12	21.19	21.31	21.21	22.5	0.0

Par27Q n78_Ant3 DS1 For ENDC								
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				631668	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525		
50	Pi/2 BPSK	1	1	20.91	20.89	21.00		
50	Pi/2 BPSK	1	135	21.15	21.09	21.19	22.5	0.0
50	Pi/2 BPSK	1	268	21.23	21.31	21.26		
50	Pi/2 BPSK	135	0	21.06	21.10	21.20	22.5	0.0
50	Pi/2 BPSK	135	68	21.11	21.10	21.08	22.5	0.0
50	Pi/2 BPSK	135	135	21.19	21.30	21.31	22.5	0.0
50	Pi/2 BPSK	270	0	21.14	21.14	21.21		
50	QPSK	1	1	21.39	21.36	21.33		
50	QPSK	1	135	21.43	21.44	21.46	22.5	0.0
50	QPSK	1	268	21.15	21.05	21.13		
50	QPSK	135	0	21.18	21.20	21.16	22.5	0.0
50	QPSK	135	68	21.34	21.21	21.23	22.5	0.0
50	QPSK	135	135	21.17	21.16	21.11	22.5	0.0
50	QPSK	270	0	21.48	21.44	21.47		
50	16QAM	1	1	21.40	21.41	21.39	22.5	0.0
50	16QAM	1	1	21.36	21.36	21.37	22.5	0.0
50	256QAM	1	1	19.83	19.83	19.80	21.0	1.5
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3528.98		
40	QPSK	1	53	21.23	21.33	21.12	22.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26	21.12	21.35	21.13	22.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.49		
15	QPSK	1	19	21.13	21.34	21.11	22.5	0.0
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3544.86		
10	QPSK	1	12	21.20	21.27	21.09	22.5	0.0



### n7\_Ant4 DSI4 For SA

BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. F.Freq	Middle Ch. F.Freq	High Ch. F.Freq		
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	Pl2 BPSK	1	1	19.22	19.58	19.57	21.0	0.0
20	Pl2 BPSK	1	26	19.53	19.63	19.42		
20	Pl2 BPSK	1	49	19.33	19.54	19.30		
20	Pl2 BPSK	25	0	19.49	19.62	19.29	21.0	0.0
20	Pl2 BPSK	25	13	19.52	19.70	19.68	21.0	0.0
20	Pl2 BPSK	25	26	19.18	19.53	19.48	21.0	0.0
20	Pl2 BPSK	50	0	19.37	19.48	19.42	21.0	0.0
20	QPSK	1	1	19.44	19.59	19.70	21.0	0.0
20	QPSK	1	26	19.58	19.97	19.45		
20	QPSK	1	49	19.38	19.56	19.15		
20	QPSK	25	0	19.32	19.29	19.40	21.0	0.0
20	QPSK	25	13	19.33	19.70	19.45	21.0	0.0
20	QPSK	25	26	19.43	19.50	19.38	21.0	0.0
20	QPSK	50	0	19.27	19.78	19.36	21.0	0.0
20	16QAM	1	1	19.54	19.23	19.51	21.0	0.0
20	16QAM	1	1	19.51	19.72	19.36	21.0	0.0
20	256QAM	1	1	17.90	18.39	18.02	19.5	1.5
Channel				501800	507000	512600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	19	19.51	19.71	19.50	21.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	12	19.65	19.72	19.43	21.0	0.0
Channel				502000	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	13	19.43	19.70	19.53	21.0	0.0

### n7\_Ant4 DSI1 For SA

BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. F.Freq	Middle Ch. F.Freq	High Ch. F.Freq		
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	Pl2 BPSK	1	1	17.57	17.68	17.53	19.0	0.0
20	Pl2 BPSK	1	53	17.63	17.72	17.68		
20	Pl2 BPSK	1	104	17.58	17.78	17.53		
20	Pl2 BPSK	50	0	17.75	17.79	17.57	19.0	0.0
20	Pl2 BPSK	50	26	17.60	17.74	17.60	19.0	0.0
20	Pl2 BPSK	50	56	17.42	17.75	17.73	19.0	0.0
20	Pl2 BPSK	100	0	17.84	17.65	17.84	19.0	0.0
20	QPSK	1	1	17.71	17.70	17.63	19.0	0.0
20	QPSK	1	53	17.74	17.81	17.75		
20	QPSK	1	104	17.57	17.72	17.44		
20	QPSK	50	0	17.63	17.68	17.54	19.0	0.0
20	QPSK	50	26	17.66	17.79	17.76	19.0	0.0
20	QPSK	50	56	17.49	17.76	17.53	19.0	0.0
20	QPSK	100	0	17.68	17.72	17.50	19.0	0.0
20	16QAM	1	1	17.76	17.58	17.70	19.0	0.0
20	16QAM	1	1	17.71	17.79	17.54	19.0	0.0
20	256QAM	1	1	17.66	17.75	17.74	19.0	0.0
Channel				501800	507000	512600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	19	17.62	17.68	17.61	19.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	12	17.60	17.66	17.60	19.0	0.0
Channel				502000	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	13	17.53	17.56	17.66	19.0	0.0

### n7\_Ant4 DSI4 For END

BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. F.Freq	Middle Ch. F.Freq	High Ch. F.Freq		
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	Pl2 BPSK	1	1	16.33	16.53	16.33	18.0	0.0
20	Pl2 BPSK	1	53	16.52	16.47	16.41		
20	Pl2 BPSK	1	104	16.41	16.51	16.26		
20	Pl2 BPSK	50	0	16.50	16.88	16.43	18.0	0.0
20	Pl2 BPSK	50	26	16.46	16.61	16.70	18.0	0.0
20	Pl2 BPSK	50	56	16.15	16.52	16.51	18.0	0.0
20	Pl2 BPSK	100	0	16.41	16.51	16.43	18.0	0.0
20	QPSK	1	1	16.43	16.53	16.56	18.0	0.0
20	QPSK	1	53	16.46	16.74	16.58		
20	QPSK	1	104	16.37	16.58	16.23		
20	QPSK	50	0	16.41	16.40	16.40	18.0	0.0
20	QPSK	50	26	16.53	16.66	16.49	18.0	0.0
20	QPSK	50	56	16.43	16.56	16.21	18.0	0.0
20	QPSK	100	0	16.42	16.67	16.32	18.0	0.0
20	16QAM	1	1	16.62	16.33	16.59	18.0	0.0
20	16QAM	1	1	16.56	16.58	16.36	18.0	0.0
20	256QAM	1	1	16.48	16.80	16.49	18.0	0.0
Channel				501800	507000	512600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	40	16.36	16.63	16.47	18.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	26	16.40	16.64	16.48	18.0	0.0
Channel				502000	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	13	16.43	16.64	16.58	18.0	0.0



n7_Ant4 DSI1 For ENDC							
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				502000	507000	512000	Tune-up limit (dBm) MPR (dB)
Frequency (MHz)				2510	2535	2560	
20	PI2 BPSK	1	1	14.41	14.35	14.29	
20	PI2 BPSK	1	53	14.35	14.40	14.40	16.0 0.0
20	PI2 BPSK	1	104	14.13	14.60	14.48	
20	PI2 BPSK	50	0	14.42	14.58	14.21	16.0 0.0
20	PI2 BPSK	50	99	14.44	14.51	14.20	16.0 0.0
20	PI2 BPSK	50	56	14.21	14.71	14.87	16.0 0.0
20	PI2 BPSK	100	0	14.27	14.58	14.53	16.0 0.0
20	QPSK	1	1	14.35	14.47	14.20	
20	QPSK	1	53	14.48	14.73	14.40	16.0 0.0
20	QPSK	1	104	14.21	14.44	14.09	
20	QPSK	50	0	14.36	14.53	14.28	16.0 0.0
20	QPSK	50	99	14.38	14.46	14.42	16.0 0.0
20	QPSK	50	56	14.24	14.44	14.24	16.0 0.0
20	QPSK	100	0	14.24	14.45	14.40	16.0 0.0
20	16QAM	1	1	14.44	14.44	14.27	16.0 0.0
20	64QAM	1	1	14.50	14.53	14.31	16.0 0.0
20	256QAM	1	1	14.52	14.47	14.51	16.0 0.0
Channel				501500	507000	512500	Tune-up limit (dBm) MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	40	14.44	14.52	14.37	16.0 0.0
Channel				501000	507000	513000	Tune-up limit (dBm) MPR (dB)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	26	14.30	14.68	14.28	16.0 0.0
Channel				500500	507000	513500	Tune-up limit (dBm) MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	13	14.28	14.61	14.23	16.0 0.0

n7_Ant4 DSI2 For NSA							
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				502000	507000	512000	Tune-up limit (dBm) MPR (dB)
Frequency (MHz)				2510	2535	2560	
20	PI2 BPSK	1	1	21.48	21.67	21.52	
20	PI2 BPSK	1	53	21.58	21.59	21.44	23.0 0.0
20	PI2 BPSK	1	104	21.43	21.65	21.43	
20	PI2 BPSK	50	0	21.39	21.38	21.41	23.0 0.0
20	PI2 BPSK	50	99	21.47	21.65	21.48	23.0 0.0
20	PI2 BPSK	50	56	21.50	21.54	21.65	23.0 0.0
20	PI2 BPSK	100	0	21.65	21.61	21.44	23.0 0.0
20	QPSK	1	1	21.16	21.64	21.48	
20	QPSK	1	53	21.38	21.71	21.45	23.0 0.0
20	QPSK	1	104	21.65	21.75	21.73	
20	QPSK	50	0	21.42	21.42	21.36	23.0 0.0
20	QPSK	50	99	21.56	21.65	21.60	23.0 0.0
20	QPSK	50	56	21.63	21.63	21.56	23.0 0.0
20	QPSK	100	0	21.48	21.66	21.58	23.0 0.0
20	16QAM	1	1	21.56	21.62	21.50	23.0 0.0
20	64QAM	1	1	19.95	20.09	19.95	1.5 1.5
20	256QAM	1	1	18.87	18.96	18.89	18.5 3.5
Channel				501500	507000	512500	Tune-up limit (dBm) MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	40	21.54	21.72	21.55	23.0 0.0
Channel				501000	507000	513000	Tune-up limit (dBm) MPR (dB)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	26	21.52	21.71	21.29	23.0 0.0
Channel				500500	507000	513500	Tune-up limit (dBm) MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	13	21.35	21.59	21.41	16.0 0.0

n66_Ant4 DSI1 For SA							
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)				1725	1745	1765	
40	PI2 BPSK	1	1	18.49	18.54	18.54	
40	PI2 BPSK	1	108	18.26	18.68	18.57	20.0 0.0
40	PI2 BPSK	1	214	18.36	18.56	18.31	
40	PI2 BPSK	108	0	18.29	18.63	18.39	20.0 0.0
40	PI2 BPSK	108	54	18.40	18.64	18.44	20.0 0.0
40	PI2 BPSK	108	108	18.21	18.54	18.36	20.0 0.0
40	PI2 BPSK	216	0	18.32	18.73	18.39	20.0 0.0
40	QPSK	1	1	18.41	18.58	18.49	
40	QPSK	1	108	18.45	18.70	18.52	20.0 0.0
40	QPSK	1	214	18.41	18.64	18.37	
40	QPSK	108	0	18.13	18.54	18.28	20.0 0.0
40	QPSK	108	54	18.46	18.72	18.38	20.0 0.0
40	QPSK	108	108	18.22	18.61	18.44	20.0 0.0
40	QPSK	216	0	18.34	18.67	18.45	20.0 0.0
40	16QAM	1	1	18.37	18.47	18.41	20.0 0.0
40	64QAM	1	1	18.46	18.44	18.45	20.0 0.0
40	256QAM	1	1	18.22	18.51	18.36	20.0 0.0
Channel				345000	349000	353000	Tune-up limit (dBm) MPR (dB)
Frequency (MHz)				1725	1745	1765	
30	PI2 BPSK	1	80	18.32	18.73	18.40	20.0 0.0
Channel				344000	349000	353000	Tune-up limit (dBm) MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI2 BPSK	1	67	18.31	18.67	18.44	20.0 0.0
Channel				343000	349000	353000	Tune-up limit (dBm) MPR (dB)
Frequency (MHz)				1720	1745	1770	
20	PI2 BPSK	1	53	18.37	18.74	18.43	20.0 0.0
Channel				342000	349000	353000	Tune-up limit (dBm) MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI2 BPSK	1	40	18.32	18.72	18.31	20.0 0.0
Channel				341000	349000	353000	Tune-up limit (dBm) MPR (dB)
Frequency (MHz)				1715	1745	1775	
10	PI2 BPSK	1	26	18.39	18.64	18.52	20.0 0.0
Channel				340000	349000	353000	Tune-up limit (dBm) MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI2 BPSK	1	13	18.40	18.61	18.29	20.0 0.0



n66_Ant4 DS1 For ENDC									
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.			
Channel				346000	349000	352000			
Frequency (MHz)				1720	1745	1760			
40	PI2 BPSK	1	1	15.40	15.59	15.47			
40	PI2 BPSK	1	108	15.14	15.51	15.44	17.0		0.0
40	PI2 BPSK	1	214	15.33	15.56	15.25			
40	PI2 BPSK	108	0	15.21	15.53	15.29	17.0	0.0	
40	PI2 BPSK	108	54	15.42	15.59	15.33	17.0	0.0	
40	PI2 BPSK	108	108	15.14	15.53	15.25			
40	PI2 BPSK	216	0	15.45	15.56	15.60	17.0	0.0	
40	QPSK	1	1	15.53	15.50	15.38			
40	QPSK	1	108	15.41	15.70	15.46	17.0	0.0	
40	QPSK	1	214	15.29	15.51	15.27			
40	QPSK	108	0	15.39	15.63	15.56	17.0	0.0	
40	QPSK	108	54	15.26	15.67	15.38	17.0	0.0	
40	QPSK	108	108	15.26	15.57	15.36			
40	QPSK	216	0	15.45	15.62	15.46	17.0	0.0	
40	16QAM	1	1	15.10	15.36	15.44	17.0	0.0	
40	16QAM	1	1	15.27	15.51	15.52	17.0	0.0	
40	256QAM	1	1	15.19	15.38	15.46	17.0	0.0	
Channel				346000	349000	353000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)	
30	PI2 BPSK	1	80	15.49	15.65	15.43	17.0	0.0	
Channel				344500	349000	353000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1722.5	1745	1767.5	(dBm)	(dB)	
25	PI2 BPSK	1	67	15.46	15.48	15.55	17.0	0.0	
Channel				344500	349000	353000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)	
20	QPSK	1	53	15.40	15.62	15.52	17.0	0.0	
Channel				343000	349000	353000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)	
15	QPSK	1	40	15.41	15.62	15.52	17.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)	
10	QPSK	1	26	15.31	15.52	15.84	17.0	0.0	
Channel				342500	349000	356000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)	
5	QPSK	1	13	15.52	15.59	15.61	17.0	0.0	

n66_Ant4 DS1 For ENDC									
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.			
Channel				346000	349000	352000			
Frequency (MHz)				1720	1745	1760			
40	PI2 BPSK	1	1	19.12	19.59	19.31			
40	PI2 BPSK	1	108	19.10	19.33	19.57	21.0	0.0	
40	PI2 BPSK	1	214	19.33	19.57	19.34			
40	PI2 BPSK	108	0	19.19	19.31	19.29	21.0	0.0	
40	PI2 BPSK	108	54	19.25	19.63	19.17	21.0	0.0	
40	PI2 BPSK	108	108	19.05	19.50	19.44			
40	PI2 BPSK	216	0	19.13	19.52	19.25	21.0	0.0	
40	QPSK	1	1	19.26	19.34	19.34			
40	QPSK	1	108	19.24	19.66	19.36	21.0	0.0	
40	QPSK	1	214	19.13	19.34	19.23			
40	QPSK	108	0	19.19	19.32	19.49	21.0	0.0	
40	QPSK	108	54	19.27	19.68	19.26	21.0	0.0	
40	QPSK	108	108	19.30	19.39	19.36			
40	QPSK	216	0	19.23	19.45	19.41	21.0	0.0	
40	16QAM	1	1	19.19	19.34	19.25	21.0	0.0	
40	16QAM	1	1	19.41	19.56	19.17	21.0	0.0	
40	256QAM	1	1	17.71	19.32	17.81	19.5	1.5	
Channel				346000	349000	353000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)	
30	PI2 BPSK	1	80	19.03	19.62	19.39	21.0	0.0	
Channel				344500	349000	353000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1722.5	1745	1767.5	(dBm)	(dB)	
25	PI2 BPSK	1	67	19.15	19.57	19.30	21.0	0.0	
Channel				344500	349000	353000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)	
20	QPSK	1	53	19.22	19.66	19.24	21.0	0.0	
Channel				343000	349000	353000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)	
15	QPSK	1	40	19.10	19.67	19.29	21.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)	
10	QPSK	1	26	19.08	19.59	19.31	21.0	0.0	
Channel				342500	349000	356000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)	
5	QPSK	1	13	19.11	19.61	19.26	21.0	0.0	



### n38\_Ant4 DSI1&4 For SA

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				519004	519000	519998		
Frequency (MHz)				2590.02	2595	2599.98		
40	Pi2 BPSK	1	1	18.53	18.55	18.52		
40	Pi2 BPSK	1	53	18.78	18.51	18.77	20.5	0.0
40	Pi2 BPSK	1	104	18.05	18.46	18.56	20.5	0.0
40	Pi2 BPSK	50	0	18.62	18.58	18.61	20.5	0.0
40	Pi2 BPSK	50	28	18.63	18.75	18.62	20.5	0.0
40	Pi2 BPSK	50	58	18.66	18.51	18.51	20.5	0.0
40	Pi2 BPSK	100	0	18.56	18.54	18.73	20.5	0.0
40	QPSK	1	1	18.52	18.72	18.53		
40	QPSK	1	53	18.56	18.80	18.53	20.5	0.0
40	QPSK	1	104	18.52	18.56	18.69		
40	QPSK	50	0	18.52	18.70	18.52	20.5	0.0
40	QPSK	50	28	18.57	18.78	18.56	20.5	0.0
40	QPSK	50	58	18.56	18.50	18.53	20.5	0.0
40	QPSK	100	0	18.58	18.69	18.67		
40	16QAM	1	1	18.58	18.72	18.59	20.5	0.0
40	64QAM	1	1	18.53	18.74	18.52	20.5	0.0
40	256QAM	1	1	18.59	18.71	18.50	20.5	0.0
Channel				518000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2585	2610		
20	QPSK	1	53	18.59	18.68	18.61	20.5	0.0
Channel				515002	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	40	18.53	18.64	18.56	20.5	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	26	18.56	18.78	18.60	20.5	0.0
Channel				514506	519000	523494	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.53	2595	2617.47		
5	QPSK	1	13	18.61	18.82	18.61	20.5	0.0

### n38\_Ant4 DSI1&4 For END

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				519004	519000	519998		
Frequency (MHz)				2590.02	2595	2599.98		
40	Pi2 BPSK	1	1	15.83	15.82	15.56		
40	Pi2 BPSK	1	53	15.83	15.53	15.72	17.5	0.0
40	Pi2 BPSK	1	104	15.56	15.56	15.54		
40	Pi2 BPSK	50	0	15.71	15.82	15.52	17.5	0.0
40	Pi2 BPSK	50	28	15.50	15.54	15.69	17.5	0.0
40	Pi2 BPSK	50	58	15.56	15.63	15.52		
40	Pi2 BPSK	100	0	15.63	15.53	15.58	17.5	0.0
40	QPSK	1	1	15.58	15.82	15.61		
40	QPSK	1	53	15.51	15.76	15.53	17.5	0.0
40	QPSK	1	104	15.83	15.52	15.61		
40	QPSK	50	0	15.58	15.58	15.56	17.5	0.0
40	QPSK	50	28	15.83	15.73	15.57	17.5	0.0
40	QPSK	50	58	15.53	15.51	15.52	17.5	0.0
40	QPSK	100	0	15.51	15.60	15.51		
40	16QAM	1	1	15.58	15.58	15.58	17.5	0.0
40	64QAM	1	1	15.85	15.51	15.68	17.5	0.0
40	256QAM	1	1	15.73	15.83	15.83	17.5	0.0
Channel				518000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2585	2610		
20	QPSK	1	53	15.63	15.83	14.65	17.5	0.0
Channel				515002	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	40	15.52	15.61	15.64	17.5	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	26	15.71	15.56	15.66	17.5	0.0
Channel				514506	519000	523494	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.53	2595	2617.47		
5	QPSK	1	13	15.64	15.83	15.75	17.5	0.0

### n41\_Ant4 DSI1 For SA

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				503004	518598	522998		
Frequency (MHz)				2521.02	2592.99	2684.99		
50	Pi2 BPSK	1	1	20.83	20.56	20.52		
50	Pi2 BPSK	1	135	21.13	21.26	21.10	22.5	0.0
50	Pi2 BPSK	1	269	20.56	20.78	20.53		
50	Pi2 BPSK	135	0	20.83	21.06	21.02	22.5	0.0
50	Pi2 BPSK	135	68	21.08	21.11	21.13	22.5	0.0
50	Pi2 BPSK	135	135	21.12	21.21	21.23		
50	Pi2 BPSK	270	0	21.30	21.00	20.97	22.5	0.0
50	QPSK	1	1	20.84	20.83	20.87		
50	QPSK	1	135	21.19	21.47	21.38	22.5	0.0
50	QPSK	1	268	20.61	20.58	20.63		
50	QPSK	135	0	21.21	21.21	21.27	22.5	0.0
50	QPSK	135	68	21.14	21.38	21.38	22.5	0.0
50	QPSK	135	135	21.30	21.21	21.13	22.5	0.0
50	QPSK	270	0	21.05	21.38	21.38		
50	16QAM	1	1	20.53	20.82	20.59	22.5	0.0
50	64QAM	1	1	20.58	20.83	20.63	22.5	0.0
50	256QAM	1	1	20.80	20.58	20.58	22.5	0.0
Channel				503002	518598	524000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	Pi2 BPSK	1	108	21.37	21.28	21.40	22.5	0.0
Channel				502002	518598	525000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	Pi2 BPSK	1	80	21.42	21.33	21.42	22.5	0.0
Channel				501004	518598	525998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.02	2592.99	2678.99		
20	QPSK	1	53	21.27	21.21	21.32	22.5	0.0
Channel				500700	518598	526498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	40	21.24	21.37	21.32	22.5	0.0
Channel				500002	518598	527000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2688		
10	QPSK	1	26	21.30	21.31	21.29	22.5	0.0



n41_Ant4 DSI1 For ENDC								
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				50520	51898	53298		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI2 BPSK	1	1	17.56	17.64	17.52		
50	PI2 BPSK	1	135	18.19	18.13	17.85	19.5	0.0
50	PI2 BPSK	1	268	17.63	17.63	17.63		
50	PI2 BPSK	135	0	17.93	18.01	17.53	19.5	0.0
50	PI2 BPSK	135	68	18.17	18.16	18.11	19.5	0.0
50	PI2 BPSK	135	135	18.14	18.24	18.22		
50	PI2 BPSK	270	0	18.34	17.97	17.86	19.5	0.0
50	QPSK	1	1	17.81	17.63	17.63		
50	QPSK	1	135	18.08	18.48	18.25	19.5	0.0
50	QPSK	1	268	17.56	17.63	17.59		
50	QPSK	135	0	18.19	18.29	18.34	19.5	0.0
50	QPSK	135	68	18.23	18.44	18.20	19.5	0.0
50	QPSK	135	135	18.21	18.20	18.20		
50	QPSK	270	0	18.13	18.42	18.23	19.5	0.0
50	16QAM	1	1	17.89	17.83	17.63	19.5	0.0
50	64QAM	1	1	17.89	17.82	17.59	19.5	0.0
50	256QAM	1	1	17.83	17.59	17.63	19.5	0.0
Channel				503202	51898	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	PI2 BPSK	1	108	18.05	18.38	18.41	19.5	0.0
Channel				52220	51898	53598	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	PI2 BPSK	1	80	18.21	18.39	18.36	19.5	0.0
Channel				501204	51898	53598	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526.02	2592.99	2674.99		
20	QPSK	1	53	18.23	18.40	18.33	19.5	0.0
Channel				500700	51898	53698	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	40	18.01	18.40	18.33	19.5	0.0
Channel				500202	51898	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	26	18.12	18.52	18.29	19.5	0.0

n41_Ant4 DSI1 For SA&ENDC								
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				50520	51898	53298		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI2 BPSK	1	1	18.83	18.57	18.78		
50	PI2 BPSK	1	135	18.14	18.18	18.83	20.5	0.0
50	PI2 BPSK	1	268	18.58	18.63	18.88		
50	PI2 BPSK	135	0	18.83	19.01	19.03	20.5	0.0
50	PI2 BPSK	135	68	19.21	19.23	18.92	20.5	0.0
50	PI2 BPSK	135	135	19.08	19.23	19.18		
50	PI2 BPSK	270	0	18.32	18.84	18.84	20.5	0.0
50	QPSK	1	1	18.26	18.26	18.69		
50	QPSK	1	135	19.02	19.57	19.26	20.5	0.0
50	QPSK	1	268	18.89	18.53	18.87		
50	QPSK	135	0	19.20	19.27	19.28	20.5	0.0
50	QPSK	135	68	19.18	19.20	19.22	20.5	0.0
50	QPSK	135	135	19.16	19.28	19.28		
50	QPSK	270	0	18.10	19.28	19.25	20.5	0.0
50	16QAM	1	1	18.83	18.89	18.58	20.5	0.0
50	64QAM	1	1	18.83	18.83	18.59	20.5	0.0
50	256QAM	1	1	18.84	18.58	18.69	20.5	0.0
Channel				503202	51898	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	PI2 BPSK	1	108	18.10	18.35	19.19	20.5	0.0
Channel				52220	51898	53598	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	PI2 BPSK	1	80	19.20	19.36	19.30	20.5	0.0
Channel				501204	51898	53598	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526.02	2592.99	2674.99		
20	QPSK	1	53	19.17	19.44	19.35	20.5	0.0
Channel				500700	51898	53698	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	40	18.17	19.43	19.38	20.5	0.0
Channel				500202	51898	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	26	19.11	19.49	19.33	20.5	0.0





### n77\_Ant5 DSI1 For SA/DSI 4 For SA&ENDC

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Mid Ch. Freq.	High Ch. Freq.		
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	Pl2 BPSK	1	1	18.05	18.16	17.98		
50	Pl2 BPSK	1	135	18.12	18.09	17.74	19.0	0.0
50	Pl2 BPSK	1	268	18.11	18.08	17.87		
50	Pl2 BPSK	135	0	17.91	18.14	17.84	19.0	0.0
50	Pl2 BPSK	135	68	17.98	17.80	17.93	19.0	0.0
50	Pl2 BPSK	135	135	18.01	18.15	17.91	19.0	0.0
50	Pl2 BPSK	270	0	18.06	18.02	17.86		
50	QPSK	1	1	18.08	18.07	17.99		
50	QPSK	1	135	17.99	18.06	17.93	19.0	0.0
50	QPSK	1	268	18.10	18.09	17.96		
50	QPSK	135	0	18.13	17.97	17.77	19.0	0.0
50	QPSK	135	68	17.95	18.24	17.86	19.0	0.0
50	QPSK	135	135	17.90	17.84	17.90	19.0	0.0
50	QPSK	270	0	17.82	17.97	17.85		
50	16QAM	1	1	17.83	18.07	17.83	19.0	0.0
50	16QAM	1	1	18.06	18.10	17.76	19.0	0.0
50	256QAM	1	1	17.89	18.22	17.85	19.0	0.0
Channel								
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	53	17.90	18.08	17.84	19.0	0.0
Channel								
Frequency (MHz)				647.334	650000	656668		
20	QPSK	1	26	17.07	18.22	17.86	19.0	0.0
Channel								
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	19	17.92	18.17	17.90	19.0	0.0
Channel								
Frequency (MHz)				647000	650000	655000		
10	QPSK	1	12	17.91	18.19	17.78	19.0	0.0

### par27Q n77\_Ant5 DSI1 For SA/DSI 4 For SA&ENDC

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Mid Ch. Freq.	High Ch. Freq.		
Channel								
Frequency (MHz)				3475.02	3500.01	3525		
50	Pl2 BPSK	1	1	18.00	18.04	17.93		
50	Pl2 BPSK	1	135	17.95	17.95	17.90	19.0	0.0
50	Pl2 BPSK	1	268	17.88	17.88	17.91		
50	Pl2 BPSK	135	0	17.96	17.93	18.00	19.0	0.0
50	Pl2 BPSK	135	68	17.97	18.04	17.96	19.0	0.0
50	Pl2 BPSK	135	135	18.14	18.00	18.07	19.0	0.0
50	Pl2 BPSK	270	0	18.04	18.03	17.97		
50	QPSK	1	1	18.18	18.12	18.18		
50	QPSK	1	135	18.03	18.07	18.06	19.0	0.0
50	QPSK	1	268	17.87	17.93	17.87		
50	QPSK	135	0	18.08	18.07	18.09	19.0	0.0
50	QPSK	135	68	18.20	18.24	18.15	19.0	0.0
50	QPSK	135	135	18.03	18.05	17.96	19.0	0.0
50	QPSK	270	0	17.88	18.03	18.00		
50	16QAM	1	1	18.07	18.07	18.19	19.0	0.0
50	16QAM	1	1	18.01	17.99	17.91	19.0	0.0
50	256QAM	1	1	18.04	18.16	18.12	19.0	0.0
Channel								
Frequency (MHz)				631334	633334	635332		
40	QPSK	1	53	18.13	18.04	17.97	19.0	0.0
Channel								
Frequency (MHz)				630668	633334	635000		
20	QPSK	1	26	18.07	18.08	18.11	19.0	0.0
Channel								
Frequency (MHz)				3460.02	3500.01	3540		
15	QPSK	1	19	18.04	17.97	18.08	19.0	0.0
Channel								
Frequency (MHz)				630334	633334	635332		
10	QPSK	1	12	17.97	18.08	18.08	19.0	0.0

### n77\_Ant5 DSI1 For ENDC

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Mid Ch. Freq.	High Ch. Freq.		
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	Pl2 BPSK	1	1	18.07	18.13	18.03		
50	Pl2 BPSK	1	135	18.06	18.01	18.11	18.0	0.0
50	Pl2 BPSK	1	268	18.04	18.08	18.05		
50	Pl2 BPSK	135	0	18.09	18.01	18.08	18.0	0.0
50	Pl2 BPSK	135	68	18.08	18.03	18.06	18.0	0.0
50	Pl2 BPSK	135	135	18.01	18.09	18.09	18.0	0.0
50	Pl2 BPSK	270	0	18.08	18.02	18.08		
50	QPSK	1	1	18.08	18.13	18.04		
50	QPSK	1	135	18.02	18.15	18.06	18.0	0.0
50	QPSK	1	268	18.05	18.04	18.04		
50	QPSK	135	0	18.01	18.05	18.04	18.0	0.0
50	QPSK	135	68	18.05	18.09	18.05	18.0	0.0
50	QPSK	135	135	18.03	18.05	18.05	18.0	0.0
50	QPSK	270	0	18.06	18.04	18.09		
50	16QAM	1	1	18.08	18.00	18.07	18.0	0.0
50	16QAM	1	1	18.06	18.04	18.06	18.0	0.0
50	256QAM	1	1	18.05	18.05	18.05	18.0	0.0
Channel								
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	53	18.02	18.06	18.07	18.0	0.0
Channel								
Frequency (MHz)				647.334	650000	656668		
20	QPSK	1	26	18.05	18.05	18.05	18.0	0.0
Channel								
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	19	18.02	18.07	18.07	18.0	0.0
Channel								
Frequency (MHz)				647000	650000	655000		
10	QPSK	1	12	18.03	18.01	18.09	18.0	0.0



n77_Ant5 DS11 For ENDC											
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				631668	633334	635000					
Frequency (MHz)				3474.02	3500.01	3526					
50	PI2 BPSK	1	1	14.87	14.89	14.85					
50	PI2 BPSK	1	135	15.02	15.03	14.99	16.0	0.0			
50	PI2 BPSK	1	268	14.96	14.94	15.05					
50	PI2 BPSK	135	0	14.84	14.87	14.89	16.0	0.0			
50	PI2 BPSK	135	68	14.89	14.87	14.84	16.0	0.0			
50	PI2 BPSK	135	135	14.97	14.98	15.10	16.0	0.0			
50	PI2 BPSK	270	0	15.02	14.98	15.00					
50	QPSK	1	1	14.96	15.02	15.01					
50	QPSK	1	135	15.17	15.21	15.12	16.0	0.0			
50	QPSK	1	268	15.18	15.17	15.16					
50	QPSK	135	0	14.95	14.96	14.93	16.0	0.0			
50	QPSK	135	68	14.96	14.90	14.84	16.0	0.0			
50	QPSK	135	135	14.77	14.81	14.75	16.0	0.0			
50	QPSK	270	0	15.00	15.04	15.01					
50	16QAM	1	1	14.96	14.80	14.90	16.0	0.0			
50	16QAM	1	1	14.91	15.00	14.97	16.0	0.0			
50	256QAM	1	1	15.04	15.17	15.09	16.0	0.0			
Channel				631934	633334	635332	Tune-up limit	MPR			
Frequency (MHz)				3470.01	3500.01	3529.98	(dBm)	(dB)			
40	QPSK	1	53	15.10	14.86	14.89	16.0	0.0			
Channel				630668	633334	636000	Tune-up limit	MPR			
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)			
20	QPSK	1	26	15.02	14.96	14.91	16.0	0.0			
Channel				630550	633334	636368	Tune-up limit	MPR			
Frequency (MHz)				3457.5	3500.01	3542.49	(dBm)	(dB)			
15	QPSK	1	19	15.03	14.96	14.97	16.0	0.0			
Channel				630334	633334	636332	Tune-up limit	MPR			
Frequency (MHz)				3455.01	3500.01	3544.98	(dBm)	(dB)			
10	QPSK	1	12	15.01	14.96	14.98	16.0	0.0			

n78_Ant5 DS11 For SA&DS1 4 For SA&ENDC											
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				648334	650000	651668					
Frequency (MHz)				3752.01	3760	3768.02					
50	PI2 BPSK	1	1	18.19	18.22	18.19					
50	PI2 BPSK	1	135	18.08	18.03	17.98	19.0	0.0			
50	PI2 BPSK	1	268	18.01	18.00	18.07					
50	PI2 BPSK	135	0	18.01	17.84	18.07	19.0	0.0			
50	PI2 BPSK	135	68	18.02	18.06	18.12	19.0	0.0			
50	PI2 BPSK	135	135	18.04	18.16	18.04	19.0	0.0			
50	PI2 BPSK	270	0	18.13	18.23	18.11					
50	QPSK	1	1	18.12	18.10	18.15					
50	QPSK	1	135	18.16	18.24	18.20	19.0	0.0			
50	QPSK	1	268	18.15	18.23	18.22					
50	QPSK	135	0	17.95	17.93	17.91	19.0	0.0			
50	QPSK	135	68	18.09	18.12	18.09	19.0	0.0			
50	QPSK	135	135	17.86	17.97	17.91	19.0	0.0			
50	QPSK	270	0	18.02	18.07	18.04					
50	16QAM	1	1	17.89	17.93	17.81	19.0	0.0			
50	16QAM	1	1	18.21	18.15	18.23	19.0	0.0			
50	256QAM	1	1	18.23	18.22	18.16	19.0	0.0			
Channel				648000	650000	652000	Tune-up limit	MPR			
Frequency (MHz)				3720	3760	3780	(dBm)	(dB)			
40	QPSK	1	53	17.60	18.07	17.63	19.0	0.0			
Channel				647334	650000	652668	Tune-up limit	MPR			
Frequency (MHz)				3710.01	3760	3760.02	(dBm)	(dB)			
20	QPSK	1	26	17.92	18.20	17.92	19.0	0.0			
Channel				647668	650000	652332	Tune-up limit	MPR			
Frequency (MHz)				3707.52	3760	3762.51	(dBm)	(dB)			
15	QPSK	1	19	17.91	18.20	17.86	19.0	0.0			
Channel				647000	650000	653000	Tune-up limit	MPR			
Frequency (MHz)				3705	3760	3765	(dBm)	(dB)			
10	QPSK	1	12	17.99	18.06	17.89	19.0	0.0			

par27Q n78_Ant5 DS11 For SA&DS1 4 For SA&ENDC											
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				631668	633334	635000					
Frequency (MHz)				3474.02	3500.01	3526					
50	PI2 BPSK	1	1	18.12	18.19	18.15					
50	PI2 BPSK	1	135	18.08	18.09	18.03	19.0	0.0			
50	PI2 BPSK	1	268	18.04	18.06	18.12					
50	PI2 BPSK	135	0	18.10	18.13	18.14	19.0	0.0			
50	PI2 BPSK	135	68	18.14	18.05	18.12	19.0	0.0			
50	PI2 BPSK	135	135	18.22	18.11	18.17	19.0	0.0			
50	PI2 BPSK	270	0	18.08	18.06	18.06					
50	QPSK	1	1	18.09	18.10	18.01					
50	QPSK	1	135	18.23	18.25	18.23	19.0	0.0			
50	QPSK	1	268	18.15	18.04	18.10					
50	QPSK	135	0	17.99	17.90	17.88	19.0	0.0			
50	QPSK	135	68	18.02	18.12	18.08	19.0	0.0			
50	QPSK	135	135	17.98	17.96	18.08	19.0	0.0			
50	QPSK	270	0	18.09	18.12	18.02					
50	16QAM	1	1	17.98	18.00	17.97	19.0	0.0			
50	16QAM	1	1	18.14	18.14	18.14	19.0	0.0			
50	256QAM	1	1	18.06	18.08	18.11	19.0	0.0			
Channel				631934	633334	635332	Tune-up limit	MPR			
Frequency (MHz)				3470.01	3500.01	3529.98	(dBm)	(dB)			
40	QPSK	1	53	17.50	17.67	17.77	19.0	0.0			
Channel				630668	633334	636000	Tune-up limit	MPR			
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)			
20	QPSK	1	26	17.67	17.60	17.77	19.0	0.0			
Channel				630550	633334	636368	Tune-up limit	MPR			
Frequency (MHz)				3457.5	3500.01	3542.49	(dBm)	(dB)			
15	QPSK	1	19	18.00	17.81	17.69	19.0	0.0			
Channel				630334	633334	636332	Tune-up limit	MPR			
Frequency (MHz)				3455.01	3500.01	3544.98	(dBm)	(dB)			
10	QPSK	1	12	17.93	17.84	17.81	19.0	0.0			



n78_Ant5 DS1 For ENDC									
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.			
Channel				648334	650000	651666			
Frequency (MHz)				3725.01	3750	3775.02			
50	Pl2 BPSK	1	1	14.90	14.85	14.74			
50	Pl2 BPSK	1	135	14.92	14.91	15.02	16.0	0.0	
50	Pl2 BPSK	1	268	15.10	15.16	15.19			
50	Pl2 BPSK	135	0	14.90	14.87	14.94	16.0	0.0	
50	Pl2 BPSK	135	68	14.96	14.91	14.79	16.0	0.0	
50	Pl2 BPSK	135	135	15.16	15.16	15.20			
50	Pl2 BPSK	270	0	15.13	15.11	15.11	16.0	0.0	
50	QPSK	1	1	14.90	14.87	14.85			
50	QPSK	1	135	15.16	15.21	15.20	16.0	0.0	
50	QPSK	1	268	15.02	15.03	15.15			
50	QPSK	135	0	14.97	15.02	14.96	16.0	0.0	
50	QPSK	135	68	14.95	15.04	14.94	16.0	0.0	
50	QPSK	135	135	14.92	14.94	14.78	16.0	0.0	
50	QPSK	270	0	15.03	15.17	15.06			
50	16QAM	1	1	14.72	14.72	14.70	16.0	0.0	
50	16QAM	1	1	15.11	15.15	15.01	16.0	0.0	
50	256QAM	1	1	15.04	15.10	15.08	16.0	0.0	
Channel				648000	650000	650000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	53	14.85	15.08	14.92	16.0	0.0	
Channel				647334	650000	652666	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	26	14.95	15.01	14.94	16.0	0.0	
Channel				647166	650000	652834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	19	14.93	14.94	15.00	16.0	0.0	
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	12	14.96	14.97	14.93	16.0	0.0	

Par27Q n78_Ant5 DS1 For ENDC									
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.			
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525			
50	Pl2 BPSK	1	1	14.99	14.93	14.95			
50	Pl2 BPSK	1	135	15.10	15.01	15.05	16.0	0.0	
50	Pl2 BPSK	1	268	14.84	14.94	14.94			
50	Pl2 BPSK	135	0	15.00	14.96	15.00	16.0	0.0	
50	Pl2 BPSK	135	68	14.91	14.90	14.81	16.0	0.0	
50	Pl2 BPSK	135	135	14.96	14.92	15.04			
50	Pl2 BPSK	270	0	15.06	14.99	14.97	16.0	0.0	
50	QPSK	1	1	14.85	14.87	14.86			
50	QPSK	1	135	15.07	15.15	15.11	16.0	0.0	
50	QPSK	1	268	14.99	14.96	15.00			
50	QPSK	135	0	15.00	14.96	14.91	16.0	0.0	
50	QPSK	135	68	14.87	15.03	14.91	16.0	0.0	
50	QPSK	135	135	14.75	14.86	14.80	16.0	0.0	
50	QPSK	270	0	15.03	15.10	14.95	16.0	0.0	
50	16QAM	1	1	15.01	14.95	14.93	16.0	0.0	
50	16QAM	1	1	14.86	14.92	15.00	16.0	0.0	
50	256QAM	1	1	15.05	15.00	15.05	16.0	0.0	
Channel				631334	633334	635332	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3529.98	(dBm)	(dB)	
40	QPSK	1	53	14.98	14.91	14.84	16.0	0.0	
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	26	15.04	14.87	14.87	16.0	0.0	
Channel				630500	633334	636166	Tune-up limit	MPR	
Frequency (MHz)				3457.51	3500.01	3542.49	(dBm)	(dB)	
15	QPSK	1	19	15.03	14.90	14.91	16.0	0.0	
Channel				630334	633334	636332	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3544.98	(dBm)	(dB)	
10	QPSK	1	12	15.06	14.96	14.94	16.0	0.0	



## For DFT-30

### n7\_Ant0 DSI3 For SA

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				50000	50700	51200		
Frequency (MHz)				2510	2535	2560		
20	PI2 BPSK	1	1	16.01	16.02	16.14		
20	PI2 BPSK	1	26	15.76	16.09	16.00		0.0
20	PI2 BPSK	1	49	15.89	16.12	16.07		17.5
20	PI2 BPSK	25	0	15.85	16.04	15.93	17.5	0.0
20	PI2 BPSK	25	13	15.94	16.16	16.07	17.5	0.0
20	PI2 BPSK	25	26	15.80	16.15	15.98		17.5
20	PI2 BPSK	50	0	15.89	16.06	16.06		17.5
20	QPSK	1	1	16.00	16.17	16.14		
20	QPSK	1	26	16.02	16.18	16.09		17.5
20	QPSK	1	49	15.93	16.17	16.15		17.5
20	QPSK	25	0	15.93	16.12	15.97	17.5	0.0
20	QPSK	25	13	15.99	16.16	16.09	17.5	0.0
20	QPSK	25	26	15.84	16.15	16.08		17.5
20	QPSK	50	0	15.83	16.09	16.04		17.5
20	16QAM	1	1	15.96	16.17	15.95	17.5	0.0
20	16QAM	1	1	15.81	16.10	15.97	17.5	0.0
20	256QAM	1	1	15.96	15.99	16.09	17.5	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	40	16.00	15.99	16.03	17.5	0.0
Channel				503000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	26	16.04	16.11	16.10	17.5	0.0

### n7\_Ant0 DSI3 For NSA

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				50000	50700	51200		
Frequency (MHz)				2610	2635	2660		
20	PI2 BPSK	1	1	12.91	13.09	13.11		
20	PI2 BPSK	1	26	12.72	12.99	12.90		14.5
20	PI2 BPSK	1	49	12.82	13.01	13.00		14.5
20	PI2 BPSK	25	0	12.86	13.09	12.98	14.5	0.0
20	PI2 BPSK	25	13	13.05	13.05	13.03	14.5	0.0
20	PI2 BPSK	25	26	12.72	13.15	13.04		14.5
20	PI2 BPSK	50	0	12.96	13.05	13.17		14.5
20	QPSK	1	1	13.03	13.24	13.17		
20	QPSK	1	26	13.11	13.26	13.05		14.5
20	QPSK	1	49	12.81	13.23	13.19		14.5
20	QPSK	25	0	12.83	13.05	13.01	14.5	0.0
20	QPSK	25	13	13.04	13.20	13.13	14.5	0.0
20	QPSK	25	26	12.80	13.12	13.16		14.5
20	QPSK	50	0	12.80	13.21	13.00		14.5
20	16QAM	1	1	12.90	13.25	12.94	14.5	0.0
20	16QAM	1	1	12.80	13.19	12.91	14.5	0.0
20	256QAM	1	1	12.85	12.99	13.10	14.5	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2607.5	2635	2662.5		
15	QPSK	1	40	13.02	13.10	12.96	14.5	0.0
Channel				503000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2605	2635	2665		
10	QPSK	1	26	13.01	13.13	12.99	14.5	0.0

### n7\_Ant0 DSI2 For SA

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				50000	50700	51200		
Frequency (MHz)				2510	2535	2560		
20	PI2 BPSK	1	1	20.99	20.87	20.92		
20	PI2 BPSK	1	26	20.74	20.80	20.78		22.0
20	PI2 BPSK	1	49	20.80	20.80	21.07		22.0
20	PI2 BPSK	25	0	20.77	21.01	20.88	22.0	0.0
20	PI2 BPSK	25	13	20.80	21.03	20.85	22.0	0.0
20	PI2 BPSK	25	26	20.68	21.09	20.76		22.0
20	PI2 BPSK	50	0	20.84	21.04	20.99		22.0
20	QPSK	1	1	20.80	21.06	21.19		
20	QPSK	1	26	20.98	21.28	20.97		22.0
20	QPSK	1	49	20.52	21.24	20.94		22.0
20	QPSK	25	0	20.77	20.97	20.80	22.0	0.0
20	QPSK	25	13	21.04	21.20	20.98	22.0	0.0
20	QPSK	25	26	20.70	21.01	21.19		22.0
20	QPSK	50	0	20.55	21.20	21.06		22.0
20	16QAM	1	1	20.80	21.17	20.76	22.0	0.0
20	16QAM	1	1	20.02	20.25	20.07	21.0	1.0
20	256QAM	1	1	17.95	18.32	18.03	19.0	3.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	40	20.88	21.21	20.94	22.0	0.0
Channel				503000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	26	20.93	21.27	20.85	22.0	0.0



### n7\_Ant0 DS12 For NSA

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				50000	507000	510000		
Frequency (MHz)				2510	2535	2560	Tune-up limit (dBm)	MPR (dB)
20	PI2 BPSK	1	1	18.10	17.77	17.94		
20	PI2 BPSK	1	26	17.69	17.83	17.71	19.0	0.0
20	PI2 BPSK	1	49	17.91	17.75	18.13		
20	PI2 BPSK	25	0	17.81	17.98	17.80	19.0	0.0
20	PI2 BPSK	25	13	17.77	18.04	17.74	19.0	0.0
20	PI2 BPSK	25	26	17.58	18.13	17.72		
20	PI2 BPSK	50	0	17.87	18.03	18.07	19.0	0.0
20	QPSK	1	1	17.82	17.98	18.13		
20	QPSK	1	26	17.99	18.39	17.98	19.0	0.0
20	QPSK	1	49	17.48	18.28	17.87		
20	QPSK	25	0	17.66	17.90	17.71	19.0	0.0
20	QPSK	25	13	17.97	18.29	17.98	19.0	0.0
20	QPSK	25	26	17.84	18.10	18.13	19.0	0.0
20	QPSK	50	0	17.56	18.29	17.97		
20	16QAM	1	1	17.92	18.12	17.89	19.0	0.0
20	16QAM	1	1	17.87	18.21	17.88	19.0	0.0
20	256QAM	1	1	17.86	18.21	17.93	19.0	0.0
Channel				501500	507000	512500	Tune-up limit	MPR
Frequency (MHz)				2507.5	2535	2563.5	(dBm)	(dB)
15	QPSK	1	40	17.87	18.37	17.87	19.0	0.0
Channel				501000	507000	510000	Tune-up limit	MPR
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)
10	QPSK	1	26	17.83	18.28	17.92	19.0	0.0



### n38\_Ant0 DS13 For SA

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				519004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI2 BPSK	1	1	14.16	14.07	14.10		
40	PI2 BPSK	1	53	14.59	14.42	14.47	15.0	0.0
40	PI2 BPSK	1	104	14.05	13.99	13.89	15.0	0.0
40	PI2 BPSK	50	0	14.02	13.90	13.97	15.0	0.0
40	PI2 BPSK	50	28	14.10	13.97	14.08	15.0	0.0
40	PI2 BPSK	50	56	14.58	14.32	14.40	15.0	0.0
40	PI2 BPSK	100	0	14.06	13.96	13.96	15.0	0.0
40	QPSK	1	1	14.05	14.12	14.18	15.0	0.0
40	QPSK	1	53	14.40	14.80	14.43	15.0	0.0
40	QPSK	1	104	14.09	14.04	14.11	15.0	0.0
40	QPSK	50	0	13.96	14.08	13.89	15.0	0.0
40	QPSK	50	28	14.38	14.41	14.31	15.0	0.0
40	QPSK	50	56	14.00	13.87	13.97	15.0	0.0
40	QPSK	100	0	13.98	14.00	13.97	15.0	0.0
40	16QAM	1	1	14.06	14.14	14.18	15.0	0.0
40	16QAM	1	1	14.24	14.49	14.25	15.0	0.0
40	256QAM	1	1	14.04	14.02	14.04	15.0	0.0
Channel				518000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610	15.0	0.0
20	QPSK	1	26	14.32	14.59	14.29	15.0	0.0
Channel				515004	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49	15.0	0.0
15	QPSK	1	19	14.31	14.47	14.28	15.0	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2576.02	2595	2614.98	15.0	0.0
10	QPSK	1	12	14.24	14.50	14.30	15.0	0.0

### n38\_Ant0 DS13 For NSA

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				519004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI2 BPSK	1	1	11.26	11.07	11.17		
40	PI2 BPSK	1	53	11.57	11.41	11.39	12.0	0.0
40	PI2 BPSK	1	104	11.04	10.93	10.89	12.0	0.0
40	PI2 BPSK	50	0	11.16	11.65	11.37	12.0	0.0
40	PI2 BPSK	50	28	11.23	11.61	11.39	12.0	0.0
40	PI2 BPSK	50	56	11.59	11.37	11.45	12.0	0.0
40	PI2 BPSK	100	0	11.14	10.75	10.94	12.0	0.0
40	QPSK	1	1	11.14	11.07	11.16	12.0	0.0
40	QPSK	1	53	11.33	11.66	11.42	12.0	0.0
40	QPSK	1	104	11.11	11.56	11.35	12.0	0.0
40	QPSK	50	0	11.03	10.92	10.92	12.0	0.0
40	QPSK	50	28	11.15	11.54	11.42	12.0	0.0
40	QPSK	50	56	11.23	11.59	11.41	12.0	0.0
40	QPSK	100	0	11.32	11.44	11.25	12.0	0.0
40	16QAM	1	1	11.17	11.13	11.24	12.0	0.0
40	16QAM	1	1	11.32	11.46	11.21	12.0	0.0
40	256QAM	1	1	11.19	11.62	11.28	12.0	0.0
Channel				518000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610	12.0	0.0
20	QPSK	1	26	11.19	11.54	11.27	12.0	0.0
Channel				516004	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49	12.0	0.0
15	QPSK	1	19	11.28	11.65	11.33	12.0	0.0
Channel				516004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2576.02	2595	2614.98	12.0	0.0
10	QPSK	1	12	11.28	11.61	11.28	12.0	0.0

### n41\_Ant0 DS13 For SA

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				520002	518598	533000		
Frequency (MHz)				2548.01	2592.99	2640		
100	PI2 BPSK	1	1	16.02	16.02	16.31		
100	PI2 BPSK	1	137	16.49	16.82	16.33	18.0	0.0
100	PI2 BPSK	1	271	16.05	16.05	16.11	18.0	0.0
100	PI2 BPSK	135	0	16.36	16.50	16.53	18.0	0.0
100	PI2 BPSK	135	69	16.56	16.59	16.58	18.0	0.0
100	PI2 BPSK	135	138	16.37	16.63	16.38	18.0	0.0
100	PI2 BPSK	270	0	16.66	16.49	16.45	18.0	0.0
100	QPSK	1	1	16.05	16.01	16.04	18.0	0.0
100	QPSK	1	137	16.45	16.88	16.31	18.0	0.0
100	QPSK	1	271	16.03	16.11	16.05	18.0	0.0
100	QPSK	135	0	16.49	16.72	16.72	18.0	0.0
100	QPSK	135	69	16.33	16.76	16.27	18.0	0.0
100	QPSK	135	138	16.34	16.82	16.69	18.0	0.0
100	QPSK	270	0	16.39	16.97	16.26	18.0	0.0
100	16QAM	1	1	16.39	16.50	16.68	18.0	0.0
100	16QAM	1	1	16.44	16.04	16.49	18.0	0.0
100	256QAM	1	1	16.54	16.48	16.44	18.0	0.0
Channel				508000	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98	18.0	0.0
90	QPSK	1	123	16.31	16.71	16.20	18.0	0.0
Channel				507004	518598	532996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2538.02	2592.99	2649.99	18.0	0.0
80	QPSK	1	109	16.23	16.69	16.23	18.0	0.0
Channel				505000	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536	2592.99	2659.98	18.0	0.0
60	QPSK	1	81	16.40	16.68	16.19	18.0	0.0
Channel				504004	518598	532996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99	18.0	0.0
50	QPSK	1	67	16.49	16.73	16.69	18.0	0.0
Channel				503002	518598	532000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.01	2592.99	2670	18.0	0.0
40	QPSK	1	53	16.47	16.69	16.23	18.0	0.0
Channel				502000	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.99	18.0	0.0
30	QPSK	1	39	16.31	15.77	16.23	18.0	0.0
Channel				501004	518598	535996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99	18.0	0.0
20	QPSK	1	26	16.42	16.83	16.22	18.0	0.0
Channel				500000	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2684	18.0	0.0
15	QPSK	1	19	16.24	16.67	16.24	18.0	0.0
Channel				500002	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2684	18.0	0.0
10	QPSK	1	12	16.22	16.71	16.18	18.0	0.0



n41_Ant0 DS13 For NSA							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				50200	51858	52900	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI2 BPSK	1	1	13.52	13.79	13.98	
100	PI2 BPSK	1	137	13.79	14.24	13.95	15.5
100	PI2 BPSK	1	271	13.89	13.50	13.54	0.0
100	PI2 BPSK	135	0	13.86	14.07	13.97	15.5
100	PI2 BPSK	135	69	14.09	13.99	14.01	15.5
100	PI2 BPSK	135	138	13.91	14.06	13.99	15.5
100	PI2 BPSK	270	0	14.01	14.10	13.97	0.0
100	QPSK	1	1	13.98	13.75	13.70	15.5
100	QPSK	1	137	13.90	14.39	13.87	15.5
100	QPSK	1	271	13.75	13.71	13.99	0.0
100	QPSK	135	0	13.99	14.25	14.11	15.5
100	QPSK	135	69	13.93	14.26	13.78	15.5
100	QPSK	135	138	13.83	14.12	14.10	15.5
100	QPSK	270	0	13.97	14.26	13.96	0.0
100	16QAM	1	1	13.96	13.98	14.29	15.5
100	64QAM	1	1	13.93	14.07	14.01	15.5
100	256QAM	1	1	14.14	13.83	13.97	15.5
Channel				508200	518598	528996	
Frequency (MHz)				2541	2592.99	2644.88	
90	QPSK	1	123	13.83	14.20	13.68	15.5
Channel				51220	51858	52206	
Frequency (MHz)				2536.02	2592.99	2649.99	
80	QPSK	1	109	13.77	14.23	13.83	15.5
Channel				50200	51858	531996	
Frequency (MHz)				2526	2592.99	2659.99	
60	QPSK	1	81	13.88	14.29	13.68	15.5
Channel				504204	518598	532998	
Frequency (MHz)				2521.02	2592.99	2664.99	
50	QPSK	1	67	13.88	14.20	13.66	15.5
Channel				50220	51858	53400	
Frequency (MHz)				2516.01	2592.99	2670	
40	QPSK	1	53	13.69	14.30	13.87	15.5
Channel				502200	518598	534996	
Frequency (MHz)				2511	2592.99	2674.99	
30	QPSK	1	39	13.82	14.15	13.83	15.5
Channel				501204	518598	535998	
Frequency (MHz)				2506.02	2592.99	2679.99	
20	QPSK	1	26	13.75	14.36	13.65	15.5
Channel				50300	51858	535996	
Frequency (MHz)				2503.5	2592.99	2682.48	
15	QPSK	1	19	13.82	14.20	13.88	15.5
Channel				500202	518598	537000	
Frequency (MHz)				2501.01	2592.99	2685	
10	QPSK	1	12	13.77	14.30	13.70	15.5

n41_Ant0 DS12 For SA							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				50200	51858	52900	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI2 BPSK	1	1	21.98	22.06	22.04	
100	PI2 BPSK	1	137	21.95	22.12	22.12	22.5
100	PI2 BPSK	1	271	21.91	21.92	21.78	0.0
100	PI2 BPSK	135	0	22.03	22.05	21.90	22.5
100	PI2 BPSK	135	69	22.00	22.03	21.89	22.5
100	PI2 BPSK	135	138	21.99	22.06	22.05	0.0
100	PI2 BPSK	270	0	21.93	22.06	21.96	22.5
100	QPSK	1	1	21.94	22.10	22.09	0.0
100	QPSK	1	137	21.88	22.18	21.78	22.5
100	QPSK	1	271	21.84	22.01	21.98	0.0
100	QPSK	135	0	21.88	22.03	21.82	22.5
100	QPSK	135	69	22.00	22.10	22.06	22.5
100	QPSK	135	138	22.04	22.08	22.03	0.0
100	QPSK	270	0	21.92	22.00	21.84	22.5
100	16QAM	1	1	21.78	21.96	21.82	22.5
100	64QAM	1	1	21.79	21.87	21.69	22.5
100	256QAM	1	1	20.51	20.68	20.52	21.0
Channel				508200	518598	528996	
Frequency (MHz)				2541	2592.99	2644.88	
90	QPSK	1	123	21.87	21.97	21.63	23.0
Channel				51220	51858	53206	
Frequency (MHz)				2536.02	2592.99	2649.99	
80	QPSK	1	109	21.89	22.15	21.66	23.0
Channel				50200	518598	531996	
Frequency (MHz)				2526	2592.99	2659.99	
60	QPSK	1	81	21.78	22.00	21.56	23.0
Channel				504204	518598	532998	
Frequency (MHz)				2521.02	2592.99	2664.99	
50	QPSK	1	67	21.73	22.14	21.66	23.0
Channel				50220	51858	53400	
Frequency (MHz)				2516.01	2592.99	2670	
40	QPSK	1	53	21.72	22.04	21.74	23.0
Channel				502200	518598	534996	
Frequency (MHz)				2511	2592.99	2674.99	
30	QPSK	1	39	21.82	22.08	21.68	23.0
Channel				501204	518598	535998	
Frequency (MHz)				2506.02	2592.99	2679.99	
20	QPSK	1	26	21.79	22.02	21.74	23.0
Channel				50300	51858	535996	
Frequency (MHz)				2503.5	2592.99	2682.48	
15	QPSK	1	19	21.67	22.09	21.76	23.0
Channel				500202	518598	537000	
Frequency (MHz)				2501.01	2592.99	2685	
10	QPSK	1	12	21.83	22.08	21.59	23.0



n66_Ant1 DSI3 For SA&NSA								
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	22.14	22.04	21.91	23.5	0.0
40	PI/2 BPSK	1	53	22.42	22.38	22.30		
40	PI/2 BPSK	1	104	22.18	22.38	22.10		
40	PI/2 BPSK	50	0	21.90	21.96	22.16	23.5	0.0
40	PI/2 BPSK	50	28	22.04	21.91	21.82	23.5	0.0
40	PI/2 BPSK	50	56	22.35	22.46	22.23	23.5	0.0
40	PI/2 BPSK	100	0	22.16	22.35	22.07		
40	QPSK	1	1	22.07	21.86	21.81	23.5	0.0
40	QPSK	1	53	22.40	22.58	22.31		
40	QPSK	1	104	22.21	22.38	22.04		
40	QPSK	50	0	21.79	21.77	21.95	23.5	0.0
40	QPSK	50	28	22.09	22.43	22.01	23.5	0.0
40	QPSK	50	56	22.32	22.41	22.33	23.5	0.0
40	QPSK	100	0	21.98	22.38	22.02		
40	16QAM	1	1	22.00	21.99	22.17	23.5	0.0
40	64QAM	1	1	22.03	22.00	21.85	23.0	0.5
40	256QAM	1	1	20.02	20.08	19.73	21.0	2.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	80	22.41	22.47	22.18	23.5	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	67	22.37	22.52	22.24	23.5	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	26	22.23	22.37	22.11	23.5	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	19	22.22	22.41	22.12	23.5	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	12	22.34	22.46	22.24	23.5	0.0





n77_Ant1 DSI3 For SA&NSA									
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	20.31	20.35	20.09			
100	PI/2 BPSK	1	137	20.42	20.95	20.60	22.0	0.0	
100	PI/2 BPSK	1	271	20.02	20.06	20.16			
100	PI/2 BPSK	135	0	20.52	21.00	20.62	22.0	0.0	
100	PI/2 BPSK	135	69	20.45	20.90	20.60	22.0	0.0	
100	PI/2 BPSK	135	138	20.42	20.89	20.68	22.0	0.0	
100	PI/2 BPSK	270	0	20.58	20.88	20.77			
100	QPSK	1	1	20.12	20.24	20.15			
100	QPSK	1	137	20.59	21.04	20.81	22.0	0.0	
100	QPSK	1	271	20.23	20.02	20.08			
100	QPSK	135	0	20.46	20.99	20.71	22.0	0.0	
100	QPSK	135	69	20.45	21.01	20.70	22.0	0.0	
100	QPSK	135	138	20.58	20.90	20.74	22.0	0.0	
100	QPSK	270	0	20.46	20.96	20.72	22.0	0.0	
100	16QAM	1	1	20.13	20.01	20.13	22.0	0.0	
100	64QAM	1	1	20.28	20.00	20.13	22.0	0.0	
100	256QAM	1	1	19.63	19.57	19.53	21.5	0.5	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	123	20.54	20.86	20.71	22.0	0.0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	109	20.49	20.85	20.68	22.0	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	95	20.48	20.84	20.70	22.0	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	81	20.54	21.02	20.70	22.0	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	67	20.39	21.02	20.69	22.0	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	53	20.40	20.84	20.67	22.0	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	26	20.60	20.89	20.66	22.0	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	19	20.59	20.85	20.72	22.0	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	12	20.49	20.94	20.61	22.0	0.0	

Par27Q n77_Ant1 DSI3 For SA&NSA									
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		20.28				
100	PI/2 BPSK	1	137		20.84		22.0	0.0	
100	PI/2 BPSK	1	271		20.16				
100	PI/2 BPSK	135	0		20.88		22.0	0.0	
100	PI/2 BPSK	135	69		20.71		22.0	0.0	
100	PI/2 BPSK	135	138		20.62		22.0	0.0	
100	PI/2 BPSK	270	0		20.78				
100	QPSK	1	1		20.09				
100	QPSK	1	137		20.94		22.0	0.0	
100	QPSK	1	271		20.82				
100	QPSK	135	0		20.83		22.0	0.0	
100	QPSK	135	69		20.88		22.0	0.0	
100	QPSK	135	138		20.67		22.0	0.0	
100	QPSK	270	0		20.73		22.0	0.0	
100	16QAM	1	1		20.13		22.0	0.0	
100	64QAM	1	1		20.25		22.0	0.0	
100	256QAM	1	1		19.63		21.5	0.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	QPSK	1	123	20.74	20.69	20.83	22.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109	20.78	20.64	20.83	22.0	0.0	
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	QPSK	1	95	20.74	20.73	20.75	22.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	QPSK	1	81	20.66	20.89	20.84	22.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67	20.67	20.76	20.81	22.0	0.0	
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	QPSK	1	53	20.66	20.63	20.78	22.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26	20.69	20.81	20.73	22.0	0.0	
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	QPSK	1	19	20.68	20.73	20.71	22.0	0.0	
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	QPSK	1	12	20.70	20.71	20.74	22.0	0.0	



n78_Ant1 DSI3 For SA&NSA									
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					
Frequency (MHz)				3750					
100	PI/2 BPSK	1	1	20.08					
100	PI/2 BPSK	1	137	20.79			22.0	0.0	
100	PI/2 BPSK	1	271	20.16					
100	PI/2 BPSK	135	0	20.75			22.0	0.0	
100	PI/2 BPSK	135	69	20.75			22.0	0.0	
100	PI/2 BPSK	135	138	20.59			22.0	0.0	
100	PI/2 BPSK	270	0	20.68					
100	QPSK	1	1	20.13					
100	QPSK	1	137	20.91			22.0	0.0	
100	QPSK	1	271	20.11					
100	QPSK	135	0	20.70			22.0	0.0	
100	QPSK	135	69	20.74			22.0	0.0	
100	QPSK	135	138	20.68			22.0	0.0	
100	QPSK	270	0	20.71					
100	16QAM	1	1	20.05			22.0	0.0	
100	64QAM	1	1	20.19			22.0	0.0	
100	256QAM	1	1	19.63			21.5	0.5	
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	123	20.57	20.80	20.73	22.0	0.0	
Channel				649334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	109	20.65	20.87	20.71	22.0	0.0	
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	95	20.57	20.83	20.72	22.0	0.0	
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	81	20.65	20.83	20.63	22.0	0.0	
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	67	20.78	20.89	20.69	22.0	0.0	
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	53	20.77	20.86	20.64	22.0	0.0	
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	26	20.70	20.87	20.65	22.0	0.0	
Channel				647168	650000	652834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	19	20.63	20.86	20.80	22.0	0.0	
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	12	20.62	20.89	20.72	22.0	0.0	

Par27Q n78_Ant1 DSI3 For SA&NSA									
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	20.31					
100	PI/2 BPSK	1	137	20.78			22.0	0.0	
100	PI/2 BPSK	1	271	20.25					
100	PI/2 BPSK	135	0	20.56			22.0	0.0	
100	PI/2 BPSK	135	69	20.69			22.0	0.0	
100	PI/2 BPSK	135	138	20.53			22.0	0.0	
100	PI/2 BPSK	270	0	20.61					
100	QPSK	1	1	20.11					
100	QPSK	1	137	20.86			22.0	0.0	
100	QPSK	1	271	20.05					
100	QPSK	135	0	20.51			22.0	0.0	
100	QPSK	135	69	20.76			22.0	0.0	
100	QPSK	135	138	20.63			22.0	0.0	
100	QPSK	270	0	20.61					
100	16QAM	1	1	20.10			22.0	0.0	
100	64QAM	1	1	20.03			22.0	0.0	
100	256QAM	1	1	19.59			21.5	0.5	
Channel				633000	633334	633666	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3504.99	(dBm)	(dB)	
90	QPSK	1	123	20.79	20.68	20.56	22.0	0.0	
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	109	20.80	20.72	20.66	22.0	0.0	
Channel				632334	633334	634332	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3514.98	(dBm)	(dB)	
70	QPSK	1	95	20.81	20.76	20.58	22.0	0.0	
Channel				632000	633334	634666	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3519.99	(dBm)	(dB)	
60	QPSK	1	81	20.59	20.85	20.80	22.0	0.0	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	67	20.80	20.85	20.71	22.0	0.0	
Channel				631334	633334	635332	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3529.98	(dBm)	(dB)	
40	QPSK	1	53	20.72	20.81	20.64	22.0	0.0	
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	26	20.67	20.72	20.58	22.0	0.0	
Channel				630500	633334	636166	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.49	(dBm)	(dB)	
15	QPSK	1	19	20.62	20.70	20.72	22.0	0.0	
Channel				630334	633334	636332	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3544.98	(dBm)	(dB)	
10	QPSK	1	12	20.65	20.74	20.53	22.0	0.0	



n7_Ant2 DSI4 For SA									
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				502000	507000	512000			
Frequency (MHz)				2510	2535	2560	Tune-up limit (dBm)	MPR (dB)	
20	PI/2 BPSK	1	1	18.00	18.35	18.11			
20	PI/2 BPSK	1	26	18.20	18.23	18.24	19.5	0.0	
20	PI/2 BPSK	1	49	18.16	18.23	18.12			
20	PI/2 BPSK	25	0	17.93	18.15	18.07	19.5	0.0	
20	PI/2 BPSK	25	13	18.06	18.26	18.31	19.5	0.0	
20	PI/2 BPSK	25	26	17.99	18.12	18.12	19.5	0.0	
20	PI/2 BPSK	50	0	18.11	18.28	18.05			
20	QPSK	1	1	18.26	18.43	18.32			
20	QPSK	1	26	18.10	18.50	18.03	19.5	0.0	
20	QPSK	1	49	17.97	18.37	18.11			
20	QPSK	25	0	18.08	18.30	18.23	19.5	0.0	
20	QPSK	25	13	18.04	18.34	18.03	19.5	0.0	
20	QPSK	25	26	18.08	18.15	18.10			
20	QPSK	50	0	18.17	18.30	18.29	19.5	0.0	
20	16QAM	1	1	17.94	18.24	18.21	19.5	0.0	
20	64QAM	1	1	18.28	18.29	18.19	19.5	0.0	
20	256QAM	1	1	18.20	18.13	18.02	19.5	0.0	
Channel				501500	507000	512500			
Frequency (MHz)				2507.5	2535	2562.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	40	18.06	18.25	18.11	19.5	0.0	
Channel				501000	507000	513000			
Frequency (MHz)				2505	2535	2565	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	26	18.03	18.13	18.06	19.5	0.0	

n7_Ant2 DSI4 For NSA									
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				502000	507000	512000			
Frequency (MHz)				2510	2535	2560	Tune-up limit (dBm)	MPR (dB)	
20	PI/2 BPSK	1	1	15.09	15.30	15.21			
20	PI/2 BPSK	1	26	15.31	15.19	15.32	16.5	0.0	
20	PI/2 BPSK	1	49	15.08	15.18	15.11			
20	PI/2 BPSK	25	0	14.93	15.25	15.00	16.5	0.0	
20	PI/2 BPSK	25	13	14.97	15.24	15.28	16.5	0.0	
20	PI/2 BPSK	25	26	14.95	15.03	15.08			
20	PI/2 BPSK	50	0	15.07	15.19	14.98	16.5	0.0	
20	QPSK	1	1	15.24	15.43	15.28			
20	QPSK	1	26	15.01	15.61	15.12	16.5	0.0	
20	QPSK	1	49	14.97	15.30	15.11			
20	QPSK	25	0	15.10	15.24	15.18	16.5	0.0	
20	QPSK	25	13	15.02	15.28	14.98	16.5	0.0	
20	QPSK	25	26	15.08	15.25	15.04			
20	QPSK	50	0	15.16	15.32	15.17	16.5	0.0	
20	16QAM	1	1	14.99	15.21	15.31	16.5	0.0	
20	64QAM	1	1	15.24	15.23	15.07	16.5	0.0	
20	256QAM	1	1	15.23	15.23	15.11	16.5	0.0	
Channel				501500	507000	512500			
Frequency (MHz)				2507.5	2535	2562.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	40	15.01	15.29	15.34	16.5	0.0	
Channel				501000	507000	513000			
Frequency (MHz)				2505	2535	2565	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	26	15.11	15.31	15.28	16.5	0.0	



### n38\_Ant2 DS14 For SA

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				519004	519000	519996		
Frequency (MHz)				2690.02	2695	2699.98		
40	Pi/2 BPSK	1	1	15.41	15.53	15.44		
40	Pi/2 BPSK	1	53	15.62	15.91	15.88	17.0	0.0
40	Pi/2 BPSK	1	104	15.50	15.50	15.41	17.0	0.0
40	Pi/2 BPSK	50	0	15.46	15.61	15.44	17.0	0.0
40	Pi/2 BPSK	50	28	15.75	15.89	15.88	17.0	0.0
40	Pi/2 BPSK	50	56	15.44	15.45	15.23	17.0	0.0
40	Pi/2 BPSK	100	0	15.59	15.59	15.53	17.0	0.0
40	QPSK	1	1	15.80	15.51	15.62		
40	QPSK	1	53	15.80	15.98	15.88	17.0	0.0
40	QPSK	1	104	15.53	15.90	15.26	17.0	0.0
40	QPSK	50	0	15.69	15.95	15.87	17.0	0.0
40	QPSK	50	28	15.53	15.96	15.24	17.0	0.0
40	QPSK	50	56	15.43	15.50	15.52	17.0	0.0
40	QPSK	100	0	15.86	15.97	15.77	17.0	0.0
40	16QAM	1	1	15.47	15.45	15.49	17.0	0.0
40	16QAM	1	1	15.76	15.90	15.75	17.0	0.0
40	256QAM	1	1	15.48	15.42	15.41	17.0	0.0
Channel				516000	519000	520000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	28	15.63	15.91	15.72	17.0	0.0
Channel				515002	519000	520000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2677.51	2695	2612.49		
15	QPSK	1	19	15.63	15.88	15.63	17.0	0.0
Channel				515004	519000	520000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2678.02	2695	2613.98		
10	QPSK	1	12	15.79	15.80	15.76	17.0	0.0

### n38\_Ant2 DS14 For NSA

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				519004	519000	519996		
Frequency (MHz)				2690.02	2695	2699.98		
40	Pi/2 BPSK	1	1	12.49	12.47	12.37		
40	Pi/2 BPSK	1	53	12.89	13.01	12.82	14.0	0.0
40	Pi/2 BPSK	1	104	12.57	12.49	12.45	14.0	0.0
40	Pi/2 BPSK	50	0	12.48	12.53	12.34	14.0	0.0
40	Pi/2 BPSK	50	28	12.70	12.86	12.76	14.0	0.0
40	Pi/2 BPSK	50	56	12.40	12.49	12.31	14.0	0.0
40	Pi/2 BPSK	100	0	12.68	12.53	12.43	14.0	0.0
40	QPSK	1	1	12.42	12.83	12.71		
40	QPSK	1	53	12.83	13.09	12.81	14.0	0.0
40	QPSK	1	104	12.47	13.01	12.33	14.0	0.0
40	QPSK	50	0	12.86	12.90	12.78	14.0	0.0
40	QPSK	50	28	12.54	13.05	12.18	14.0	0.0
40	QPSK	50	56	12.53	12.60	12.44	14.0	0.0
40	QPSK	100	0	12.83	13.01	12.86	14.0	0.0
40	16QAM	1	1	12.55	12.58	12.50	14.0	0.0
40	16QAM	1	1	12.88	13.01	12.70	14.0	0.0
40	256QAM	1	1	12.52	12.48	12.47	14.0	0.0
Channel				516000	519000	520000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	28	12.77	13.02	12.80	14.0	0.0
Channel				515002	519000	520000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2677.51	2695	2612.49		
15	QPSK	1	19	12.69	13.00	12.62	14.0	0.0
Channel				515004	519000	520000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2678.02	2695	2613.98		
10	QPSK	1	12	12.62	12.92	12.88	14.0	0.0

### n41\_Ant2 DS14 For SA&NSA

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				529002	518598	529000		
Frequency (MHz)				2546.01	2592.99	2640		
100	Pi/2 BPSK	1	1	18.54	18.84	18.53		
100	Pi/2 BPSK	1	137	19.20	19.15	19.25	20.5	0.0
100	Pi/2 BPSK	1	271	18.52	18.57	18.58	20.5	0.0
100	Pi/2 BPSK	135	0	18.96	19.08	18.99	20.5	0.0
100	Pi/2 BPSK	135	69	19.21	19.25	19.25	20.5	0.0
100	Pi/2 BPSK	135	138	18.62	18.68	18.65	20.5	0.0
100	Pi/2 BPSK	270	0	18.92	18.72	18.93	20.5	0.0
100	QPSK	1	1	18.52	18.74	18.59		
100	QPSK	1	137	19.23	19.35	19.27	20.5	0.0
100	QPSK	1	271	18.58	18.51	18.53	20.5	0.0
100	QPSK	135	0	18.58	18.61	18.59	20.5	0.0
100	QPSK	135	69	19.17	19.22	19.18	20.5	0.0
100	QPSK	135	138	18.62	18.55	18.58	20.5	0.0
100	QPSK	270	0	19.19	19.21	19.17	20.5	0.0
100	16QAM	1	1	18.56	18.53	18.62	20.5	0.0
100	16QAM	1	1	18.83	18.71	18.85	20.5	0.0
100	256QAM	1	1	18.57	18.58	18.58	20.5	0.0
Channel				509200	518598	528998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	18.75	18.73	18.76	20.5	0.0
Channel				539204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	109	18.66	18.71	18.73	20.5	0.0
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2540	2592.99	2659.98		
60	QPSK	1	81	18.67	18.78	18.79	20.5	0.0
Channel				504204	518598	530998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2624.99		
50	QPSK	1	67	18.75	18.73	18.72	20.5	0.0
Channel				539202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	18.59	18.73	18.69	20.5	0.0
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	18.74	18.71	18.67	20.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	18.59	18.76	18.71	20.5	0.0
Channel				530000	518598	539000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	19	18.61	18.71	18.79	20.5	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	12	18.69	18.75	18.74	20.5	0.0



### n77\_Ant3 DS14 For SA&NSA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	22.24	22.28	22.30		
100	PI2 BPSK	1	137	22.50	22.46	22.07	23.5	0.0
100	PI2 BPSK	1	271	22.29	22.55	22.15		
100	PI2 BPSK	135	0	22.28	22.35	22.25	23.5	0.0
100	PI2 BPSK	135	69	22.30	22.38	22.38	23.5	0.0
100	PI2 BPSK	135	138	22.50	22.52	22.21	23.5	0.0
100	PI2 BPSK	270	0	22.29	22.46	22.35		
100	QPSK	1	1	22.43	22.47	22.46		
100	QPSK	1	137	22.58	22.56	22.26	23.5	0.0
100	QPSK	1	271	22.42	22.55	22.34		
100	QPSK	135	0	22.39	22.45	22.18	23.5	0.0
100	QPSK	135	69	22.47	22.56	22.10	23.5	0.0
100	QPSK	135	138	22.42	22.42	22.24	23.5	0.0
100	QPSK	270	0	22.37	22.53	22.14		
100	16QAM	1	1	22.24	22.41	22.31	23.5	0.0
100	16QAM	1	1	22.04	22.11	21.81	23.0	0.5
100	256QAM	1	1	20.20	20.10	19.74	21.0	2.5
Channel								
Frequency (MHz)				64968	65000	65034	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	123	22.42	22.38	22.22	23.5	0.0
Channel								
Frequency (MHz)				64934	65000	65068	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	109	22.40	22.45	22.25	23.5	0.0
Channel								
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	95	22.41	22.50	22.18	23.5	0.0
Channel								
Frequency (MHz)				64968	65000	65034	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	81	22.42	22.43	22.26	23.5	0.0
Channel								
Frequency (MHz)				64834	65000	65068	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	67	22.37	22.40	22.09	23.5	0.0
Channel								
Frequency (MHz)				64800	65000	65000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	53	22.40	22.53	22.17	23.5	0.0
Channel								
Frequency (MHz)				64734	65000	65068	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	26	22.51	22.57	22.21	23.5	0.0
Channel								
Frequency (MHz)				64768	65000	65034	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	19	22.54	22.40	22.10	23.5	0.0
Channel								
Frequency (MHz)				64700	65000	65000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	12	22.42	22.38	22.28	23.5	0.0

### Par27Q n77\_Ant3 DS14 For SA&NSA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1	22.28	22.51	22.07	23.5	0.0
100	PI2 BPSK	1	137	22.50	22.51	22.07	23.5	0.0
100	PI2 BPSK	1	271	22.29	22.48	22.15		
100	PI2 BPSK	135	0	22.40	22.40	22.25	23.5	0.0
100	PI2 BPSK	135	69	22.41	22.41	22.35	23.5	0.0
100	PI2 BPSK	135	138	22.46	22.46	22.25	23.5	0.0
100	PI2 BPSK	270	0	22.42	22.42	22.25		
100	QPSK	1	1	22.46	22.46	22.25		
100	QPSK	1	137	22.53	22.53	22.25	23.5	0.0
100	QPSK	1	271	22.47	22.51	22.34		
100	QPSK	135	0	22.39	22.39	22.15	23.5	0.0
100	QPSK	135	69	22.47	22.47	22.15	23.5	0.0
100	QPSK	135	138	22.42	22.42	22.15	23.5	0.0
100	QPSK	270	0	22.40	22.40	22.15	23.5	0.0
100	16QAM	1	1	22.24	22.41	22.31	23.5	0.0
100	16QAM	1	1	22.20	22.20	22.0	23.0	0.5
100	256QAM	1	1	20.17	20.17	20.17	21.0	2.5
Channel								
Frequency (MHz)				63000	63334	63668	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	123	22.31	22.49	22.37	23.5	0.0
Channel								
Frequency (MHz)				63268	63334	63500	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	109	22.38	22.47	22.34	23.5	0.0
Channel								
Frequency (MHz)				3485.01	3500.01	3514.98		
70	QPSK	1	95	22.24	22.47	22.44	23.5	0.0
Channel								
Frequency (MHz)				63200	63334	63568	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	81	22.31	22.45	22.30	23.5	0.0
Channel								
Frequency (MHz)				63168	63334	63500	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	67	22.27	22.52	22.44	23.5	0.0
Channel								
Frequency (MHz)				63134	63334	63532	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	53	22.33	22.49	22.39	23.5	0.0
Channel								
Frequency (MHz)				63068	63334	63500	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	26	22.23	22.39	22.42	23.5	0.0
Channel								
Frequency (MHz)				63000	63334	63568	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	19	22.27	22.46	22.40	23.5	0.0
Channel								
Frequency (MHz)				63034	63334	63632	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	12	22.33	22.41	22.33	23.5	0.0

### n77\_Ant3 DS11 For NSA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	21.29	21.55	21.28		
100	PI2 BPSK	1	137	21.43	21.51	21.10	22.5	0.0
100	PI2 BPSK	1	271	21.36	21.54	21.06		
100	PI2 BPSK	135	0	21.34	21.44	21.26	22.5	0.0
100	PI2 BPSK	135	69	21.24	21.42	21.34	22.5	0.0
100	PI2 BPSK	135	138	21.56	21.52	21.27	22.5	0.0
100	PI2 BPSK	270	0	21.22	21.50	21.44		
100	QPSK	1	1	21.45	21.47	21.45		
100	QPSK	1	137	21.58	21.63	21.25	22.5	0.0
100	QPSK	1	271	21.38	21.53	21.41		
100	QPSK	135	0	21.32	21.38	21.15	22.5	0.0
100	QPSK	135	69	21.52	21.56	21.49	22.5	0.0
100	QPSK	135	138	21.43	21.36	21.23	22.5	0.0
100	QPSK	270	0	21.37	21.58	21.14		
100	16QAM	1	1	21.31	21.38	21.26	22.5	0.0
100	16QAM	1	1	21.02	21.18	20.84	22.5	0.0
100	256QAM	1	1	19.16	19.07	19.05	21.0	1.5
Channel								
Frequency (MHz)				64968	65000	65034	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	123	21.39	21.44	21.14	22.5	0.0
Channel								
Frequency (MHz)				64934	65000	65068	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	109	21.35	21.34	21.23	22.5	0.0
Channel								
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	95	21.42	21.40	21.28	22.5	0.0
Channel								
Frequency (MHz)				64968	65000	65034	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	81	21.48	21.43	21.14	22.5	0.0
Channel								
Frequency (MHz)				64834	65000	65068	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	67	21.43	21.29	21.16	22.5	0.0
Channel								
Frequency (MHz)				64800	65000	65000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	53	21.40	21.53	21.23	22.5	0.0
Channel								
Frequency (MHz)				64734	65000	65068	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	26	21.45	21.33	21.28	22.5	0.0
Channel								
Frequency (MHz)				64768	65000	65034	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	19	21.50	21.30	21.16	22.5	0.0
Channel								
Frequency (MHz)				64700	65000	65000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	12	21.42	21.45	21.28	22.5	0.0



Par27Q n77_Ant3 DS1 For NSA									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	2147	3500.01				
100	PI2 BPSK	1	137	2145			22.5	0.0	
100	PI2 BPSK	1	271	2148					
100	PI2 BPSK	135	0	2134			22.5	0.0	
100	PI2 BPSK	135	69	2130			22.5	0.0	
100	PI2 BPSK	135	138	2149			22.5	0.0	
100	PI2 BPSK	270	0	2139					
100	QPSK	1	1	2148					
100	QPSK	1	137	2150			22.5	0.0	
100	QPSK	1	271	2145					
100	QPSK	135	0	2143			22.5	0.0	
100	QPSK	135	69	2148			22.5	0.0	
100	QPSK	135	138	2134			22.5	0.0	
100	QPSK	270	0	2133					
100	16QAM	1	1	2140			22.5	0.0	
100	16QAM	1	1	2157			22.5	0.0	
100	256QAM	1	1	2012			21.0	1.5	
Channel									
Frequency (MHz)									
90	QPSK	1	123	3495	63300.01	633966	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	109	3485.01	3500.01	3514.98	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
70	QPSK	1	95	2134	2132	2116	22.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	81	2135	2137	2130	22.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	67	2145	2140	2117	22.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	53	2144	2134	2119	22.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	26	2144	2134	2119	22.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	19	2144	2143	2120	22.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	12	2138	2145	2114	22.5	0.0	

n78_Ant3 DS14 For SA&NSA									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	2216	3750				
100	PI2 BPSK	1	137	2230			23.5	0.0	
100	PI2 BPSK	1	271	2245					
100	PI2 BPSK	135	0	2224			23.5	0.0	
100	PI2 BPSK	135	69	2219			23.5	0.0	
100	PI2 BPSK	135	138	2238			23.5	0.0	
100	PI2 BPSK	270	0	2243					
100	QPSK	1	1	2225					
100	QPSK	1	137	2248			23.5	0.0	
100	QPSK	1	271	2234					
100	QPSK	135	0	2223			23.5	0.0	
100	QPSK	135	69	2238			23.5	0.0	
100	QPSK	135	138	2233			23.5	0.0	
100	QPSK	270	0	2239					
100	16QAM	1	1	2239			23.5	0.0	
100	16QAM	1	1	2202			23.0	0.5	
100	256QAM	1	1	1938			21.0	2.5	
Channel									
Frequency (MHz)									
80	QPSK	1	123	3749.02	64968	65000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	109	3740.01	3750	3760.02	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
70	QPSK	1	95	2232	2231	2240	23.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	81	2235	2236	2231	23.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	67	2225	2236	2222	23.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	53	2242	2229	2235	23.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	26	2223	2235	2227	23.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	19	2241	2236	2227	23.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	12	2225	2240	2220	23.5	0.0	

Par27Q n78_Ant3 DS14 For SA&NSA									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	2212	3500.01				
100	PI2 BPSK	1	137	2223			23.5	0.0	
100	PI2 BPSK	1	271	2243					
100	PI2 BPSK	135	0	2222			23.5	0.0	
100	PI2 BPSK	135	69	2210			23.5	0.0	
100	PI2 BPSK	135	138	2233			23.5	0.0	
100	PI2 BPSK	270	0	2225					
100	QPSK	1	1	2236					
100	QPSK	1	137	2244			23.5	0.0	
100	QPSK	1	271	2220					
100	QPSK	135	0	2238			23.5	0.0	
100	QPSK	135	69	2246			23.5	0.0	
100	QPSK	135	138	2227			23.5	0.0	
100	QPSK	270	0	2237					
100	16QAM	1	1	2241			23.5	0.0	
100	16QAM	1	1	2213			23.0	0.5	
100	256QAM	1	1	1939			21.0	2.5	
Channel									
Frequency (MHz)									
90	QPSK	1	123	3495	63300.01	63366	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	109	3480.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
70	QPSK	1	95	2220	2239	2212	23.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	81	2226	2242	2209	23.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	67	2228	2226	2221	23.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	53	2214	2240	2219	23.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	26	2223	2242	2221	23.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	19	2229	2222	2225	23.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	12	2217	2227	2218	23.5	0.0	



n78_Ant3 DS1 For NSA									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Midsize Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pi2 BPSK	1	1		3750				
100	Pi2 BPSK	1	137		21.23		22.5	0.0	
100	Pi2 BPSK	1	271		21.33				
100	Pi2 BPSK	135	0		21.20		22.5	0.0	
100	Pi2 BPSK	135	69		21.17		22.5	0.0	
100	Pi2 BPSK	135	138		21.35		22.5	0.0	
100	Pi2 BPSK	270	0		21.24				
100	QPSK	1	1		21.33				
100	QPSK	1	137		21.06		22.5	0.0	
100	QPSK	1	271		21.16				
100	QPSK	135	0		21.51		22.5	0.0	
100	QPSK	135	69		21.35		22.5	0.0	
100	QPSK	135	138		21.28		22.5	0.0	
100	QPSK	270	0		21.42		22.5	0.0	
100	16QAM	1	1		21.35		22.5	0.0	
100	16QAM	1	1		21.42		22.5	0.0	
100	256QAM	1	1		19.75		21.0	1.5	
Channel									
Frequency (MHz)									
90	QPSK	1	123		3745.02	3750	3755.01		
Channel									
Frequency (MHz)									
80	QPSK	1	109		3743.01	3750	3750.62		
Channel									
Frequency (MHz)									
70	QPSK	1	95		3735	3750	3765		
Channel									
Frequency (MHz)									
60	QPSK	1	81		3723	3744	3730	22.5	0.0
Channel									
Frequency (MHz)									
50	QPSK	1	67		3713	3738	3723.02		
Channel									
Frequency (MHz)									
40	QPSK	1	53		3703	3750	3750		
Channel									
Frequency (MHz)									
20	QPSK	1	26		3718.01	3750	3750.62		
Channel									
Frequency (MHz)									
15	QPSK	1	19		3707.52	3750	3752.51		
Channel									
Frequency (MHz)									
10	QPSK	1	12		3705	3750	3765		

Par27Q n78_Ant3 DS1 For NSA									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Midsize Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pi2 BPSK	1	1		3500.01				
100	Pi2 BPSK	1	137		21.05				
100	Pi2 BPSK	1	271		21.21		22.5	0.0	
100	Pi2 BPSK	135	0		21.44				
100	Pi2 BPSK	135	69		21.20		22.5	0.0	
100	Pi2 BPSK	135	138		21.18		22.5	0.0	
100	Pi2 BPSK	270	0		21.33		22.5	0.0	
100	QPSK	1	1		21.25				
100	QPSK	1	137		21.32		22.5	0.0	
100	QPSK	1	271		21.53				
100	QPSK	135	0		21.24				
100	QPSK	135	69		21.31		22.5	0.0	
100	QPSK	135	138		21.46		22.5	0.0	
100	QPSK	270	0		21.20		22.5	0.0	
100	16QAM	1	1		21.44		22.5	0.0	
100	16QAM	1	1		21.50		22.5	0.0	
100	256QAM	1	1		21.45		22.5	0.0	
100	256QAM	1	1		19.60		21.0	1.5	
Channel									
Frequency (MHz)									
90	QPSK	1	123		3495	3500.01	3504.99		
Channel									
Frequency (MHz)									
80	QPSK	1	109		3489.02	3500.01	3510		
Channel									
Frequency (MHz)									
70	QPSK	1	95		3485.01	3500.01	3514.98		
Channel									
Frequency (MHz)									
60	QPSK	1	81		3476.01	3500.01	3520	22.5	0.0
Channel									
Frequency (MHz)									
50	QPSK	1	67		3468.01	3500.01	3525.99		
Channel									
Frequency (MHz)									
40	QPSK	1	53		3460.02	3500.01	3530		
Channel									
Frequency (MHz)									
20	QPSK	1	26		3456.02	3500.01	3540		
Channel									
Frequency (MHz)									
15	QPSK	1	19		3457.5	3500.01	3542.49		
Channel									
Frequency (MHz)									
10	QPSK	1	12		3455.01	3500.01	3544.99		



### n7\_Ant4 DSI4 For SA

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.		
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)
20	Pl2 BPSK	1	1	19.41	19.73	19.52	21.0	0.0
20	Pl2 BPSK	1	26	19.58	19.63	19.48		
20	Pl2 BPSK	1	49	19.42	19.65	19.49		
20	Pl2 BPSK	25	0	19.56	19.63	19.47	21.0	0.0
20	Pl2 BPSK	25	13	19.61	19.77	19.82	21.0	0.0
20	Pl2 BPSK	25	26	19.24	19.52	19.57	21.0	0.0
20	Pl2 BPSK	50	0	19.59	19.53	19.54		
20	Pl2 BPSK	50	0	19.84	19.70	19.89		
20	QPSK	1	1	19.68	19.94	19.83	21.0	0.0
20	QPSK	1	26	19.68	19.94	19.83		
20	QPSK	1	49	19.46	19.63	19.36		
20	QPSK	25	0	19.42	19.44	19.56	21.0	0.0
20	QPSK	25	13	19.54	19.88	19.56	21.0	0.0
20	QPSK	25	26	19.57	19.60	19.46	21.0	0.0
20	QPSK	50	0	19.47	19.88	19.36		
20	QPSK	50	0	19.74	19.40	19.84		
20	16QAM	1	1	19.74	19.40	19.84	21.0	0.0
20	16QAM	1	1	19.68	19.80	19.49	21.0	0.0
20	256QAM	1	1	18.09	18.52	18.14	19.5	1.5
Channel				501800	507000	512600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)
15	QPSK	1	19	18.51	19.91	19.50	21.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)
10	QPSK	1	12	19.65	19.72	19.43	21.0	0.0

### n7\_Ant4 DSI4 For SA

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.		
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)
20	Pl2 BPSK	1	1	17.70	17.81	17.52	19.0	0.0
20	Pl2 BPSK	1	26	17.76	17.84	17.82		
20	Pl2 BPSK	1	49	17.72	17.93	17.84		
20	Pl2 BPSK	25	0	17.88	17.93	17.71	19.0	0.0
20	Pl2 BPSK	25	13	17.72	17.86	17.93	19.0	0.0
20	Pl2 BPSK	25	26	17.56	17.88	17.85	19.0	0.0
20	Pl2 BPSK	50	0	17.75	17.80	17.79		
20	Pl2 BPSK	50	0	17.84	17.83	17.74		
20	QPSK	1	1	17.84	17.83	17.74	19.0	0.0
20	QPSK	1	26	17.97	17.95	17.87		
20	QPSK	1	49	17.70	17.84	17.57		
20	QPSK	25	0	17.77	17.81	17.69	19.0	0.0
20	QPSK	25	13	17.86	17.91	17.88	19.0	0.0
20	QPSK	25	26	17.84	17.90	17.82	19.0	0.0
20	QPSK	50	0	17.83	17.85	17.64		
20	QPSK	50	0	17.89	17.70	17.84		
20	16QAM	1	1	17.89	17.70	17.84	19.0	0.0
20	16QAM	1	1	17.83	17.94	17.67	19.0	0.0
20	256QAM	1	1	17.79	17.93	17.86	19.0	0.0
Channel				501800	507000	512600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)
15	QPSK	1	19	17.87	17.90	17.87	19.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)
10	QPSK	1	12	17.71	17.84	17.79	19.0	0.0

### n7\_Ant4 DSI4 For NSA

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.		
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)
20	Pl2 BPSK	1	1	16.43	16.70	16.45	18.0	0.0
20	Pl2 BPSK	1	26	16.61	16.99	16.53		
20	Pl2 BPSK	1	49	16.53	16.84	16.38		
20	Pl2 BPSK	25	0	16.62	16.77	16.53	18.0	0.0
20	Pl2 BPSK	25	13	16.56	16.72	16.60	18.0	0.0
20	Pl2 BPSK	25	26	16.28	16.62	16.61	18.0	0.0
20	Pl2 BPSK	50	0	16.50	16.84	16.55		
20	Pl2 BPSK	50	0	16.54	16.85	16.66		
20	QPSK	1	1	16.54	16.85	16.66	18.0	0.0
20	QPSK	1	26	16.58	16.84	16.70		
20	QPSK	1	49	16.48	16.88	16.36		
20	QPSK	25	0	16.53	16.52	16.52	18.0	0.0
20	QPSK	25	13	16.63	16.78	16.61	18.0	0.0
20	QPSK	25	26	16.54	16.65	16.34	18.0	0.0
20	QPSK	50	0	16.55	16.77	16.44		
20	QPSK	50	0	16.73	16.43	16.71		
20	16QAM	1	1	16.73	16.43	16.71	18.0	0.0
20	16QAM	1	1	16.68	16.70	16.49	18.0	0.0
20	256QAM	1	1	16.58	16.71	16.60	18.0	0.0
Channel				501800	507000	512600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)
15	QPSK	1	19	16.50	16.70	16.60	18.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)
10	QPSK	1	12	16.55	16.72	16.48	18.0	0.0





n7_Ant4 DS1 For NSA							
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				502000	507000	512000	Tune-up limit (dBm) MPR (dB)
Frequency (MHz)				2310	2335	2360	(dB) (dB)
20	PI2 BPSK	1	1	14.50	14.57	14.54	
20	PI2 BPSK	1	26	14.62	14.63	14.62	16.0 0.0
20	PI2 BPSK	1	49	14.43	14.63	14.49	
20	PI2 BPSK	25	0	14.65	14.77	14.47	16.0 0.0
20	PI2 BPSK	25	13	14.50	14.75	14.70	16.0 0.0
20	PI2 BPSK	25	26	14.40	14.77	14.70	16.0 0.0
20	PI2 BPSK	50	0	14.56	14.70	14.65	
20	QPSK	1	1	14.61	14.65	14.55	
20	QPSK	1	26	14.75	14.63	14.60	16.0 0.0
20	QPSK	1	49	14.43	14.65	14.30	
20	QPSK	25	0	14.62	14.58	14.42	16.0 0.0
20	QPSK	25	13	14.66	14.72	14.56	16.0 0.0
20	QPSK	25	26	14.40	14.71	14.50	16.0 0.0
20	QPSK	50	0	14.73	14.74	14.52	
20	16QAM	1	1	14.74	14.61	14.53	16.0 0.0
20	64QAM	1	1	14.66	14.70	14.46	16.0 0.0
20	256QAM	1	1	14.68	14.70	14.70	16.0 0.0
Channel				501500	507000	512500	Tune-up limit (dBm) MPR (dB)
Frequency (MHz)				2307.5	2335	2362.5	(dB) (dB)
15	QPSK	1	19	14.63	14.73	14.50	16.0 0.0
Channel				501000	507000	513000	Tune-up limit (dBm) MPR (dB)
Frequency (MHz)				2305	2335	2365	(dB) (dB)
10	QPSK	1	12	14.54	14.74	14.56	16.0 0.0

n7_Ant4 DS2 For NSA							
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				502000	507000	512000	Tune-up limit (dBm) MPR (dB)
Frequency (MHz)				2310	2335	2360	(dB) (dB)
20	PI2 BPSK	1	1	21.70	21.84	21.67	
20	PI2 BPSK	1	26	21.83	21.82	21.77	23.0 0.0
20	PI2 BPSK	1	49	21.71	21.84	21.81	
20	PI2 BPSK	25	0	21.80	21.76	21.68	23.0 0.0
20	PI2 BPSK	25	13	21.79	21.84	21.79	23.0 0.0
20	PI2 BPSK	25	26	21.78	21.89	21.85	23.0 0.0
20	PI2 BPSK	50	0	21.84	21.86	21.72	
20	QPSK	1	1	21.47	21.87	21.81	
20	QPSK	1	26	21.59	21.80	21.77	23.0 0.0
20	QPSK	1	49	21.80	21.80	21.54	
20	QPSK	25	0	21.82	21.81	21.70	23.0 0.0
20	QPSK	25	13	21.85	21.82	21.85	23.0 0.0
20	QPSK	25	26	21.80	21.86	21.83	23.0 0.0
20	QPSK	50	0	21.68	21.80	21.82	
20	16QAM	1	1	21.80	21.80	21.90	23.0 0.0
20	64QAM	1	1	20.18	20.46	20.25	1.5 1.5
20	256QAM	1	1	19.25	19.21	19.28	19.5 3.5
Channel				501500	507000	512500	Tune-up limit (dBm) MPR (dB)
Frequency (MHz)				2307.5	2335	2362.5	(dB) (dB)
15	QPSK	1	19	21.63	21.83	21.61	23.0 0.0
Channel				501000	507000	513000	Tune-up limit (dBm) MPR (dB)
Frequency (MHz)				2305	2335	2365	(dB) (dB)
10	QPSK	1	12	21.86	21.81	21.69	23.0 0.0

n66_Ant4 DS1 For SA							
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)				1725	1745	1765	(dB) (dB)
40	PI2 BPSK	1	1	18.49	18.64	18.55	
40	PI2 BPSK	1	53	18.41	18.67	18.61	20.0 0.0
40	PI2 BPSK	1	104	18.53	18.55	18.49	
40	PI2 BPSK	50	0	18.34	18.69	18.43	20.0 0.0
40	PI2 BPSK	50	28	18.26	18.74	18.45	20.0 0.0
40	PI2 BPSK	50	56	18.33	18.60	18.48	20.0 0.0
40	PI2 BPSK	100	0	18.41	18.72	18.47	
40	QPSK	1	1	18.49	18.57	18.52	
40	QPSK	1	53	18.51	18.75	18.53	20.0 0.0
40	QPSK	1	104	18.39	18.54	18.50	
40	QPSK	50	0	18.33	18.72	18.45	20.0 0.0
40	QPSK	50	28	18.53	18.73	18.45	20.0 0.0
40	QPSK	50	56	18.43	18.61	18.44	20.0 0.0
40	QPSK	100	0	18.48	18.60	18.52	
40	16QAM	1	1	18.42	18.52	18.58	20.0 0.0
40	64QAM	1	1	18.45	18.61	18.46	20.0 0.0
40	256QAM	1	1	18.41	18.53	18.52	20.0 0.0
Channel				345000	349000	353000	Tune-up limit (dBm) MPR (dB)
Frequency (MHz)				1725	1745	1765	(dB) (dB)
30	QPSK	1	39	18.42	18.73	18.53	20.0 0.0
Channel				344500	349000	353500	Tune-up limit (dBm) MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5	(dB) (dB)
25	QPSK	1	32	18.44	18.70	18.51	20.0 0.0
Channel				343500	349000	354000	Tune-up limit (dBm) MPR (dB)
Frequency (MHz)				1720	1745	1770	(dB) (dB)
20	QPSK	1	26	18.45	18.60	18.54	20.0 0.0
Channel				343000	349000	354500	Tune-up limit (dBm) MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5	(dB) (dB)
15	QPSK	1	19	18.44	18.63	18.33	20.0 0.0
Channel				343000	349000	355000	Tune-up limit (dBm) MPR (dB)
Frequency (MHz)				1715	1745	1775	(dB) (dB)
10	QPSK	1	12	18.50	18.57	18.54	20.0 0.0



n66_Ant4 DSI1 For NSA							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	MPR (dB)
Channel				346000	349000	352000	
Frequency (MHz)				1720	1745	1760	
40	Pl2 BPSK	1	1	15.49	15.67	15.50	
40	Pl2 BPSK	1	53	15.38	15.64	15.61	17.0
40	Pl2 BPSK	1	104	15.49	15.62	15.45	
40	Pl2 BPSK	50	0	15.35	15.68	15.43	17.0
40	Pl2 BPSK	50	26	15.50	15.66	15.51	17.0
40	Pl2 BPSK	50	56	15.35	15.69	15.38	
40	Pl2 BPSK	100	0	15.43	15.76	15.50	17.0
40	QPSK	1	1	15.61	15.54	15.52	
40	QPSK	1	53	15.55	15.77	15.63	17.0
40	QPSK	1	104	15.29	15.63	15.45	
40	QPSK	50	0	15.40	15.70	15.55	17.0
40	QPSK	50	26	15.45	15.74	15.56	17.0
40	QPSK	50	56	15.32	15.61	15.44	
40	QPSK	100	0	15.38	15.72	15.45	17.0
40	16QAM	1	1	15.31	15.50	15.65	17.0
40	16QAM	1	1	15.37	15.50	15.54	17.0
40	16QAM	1	1	15.29	15.50	15.52	17.0
Channel				346000	349000	353000	
Frequency (MHz)				1725	1745	1765	
30	QPSK	1	39	15.42	15.72	15.60	17.0
Channel				344500	348000	353000	
Frequency (MHz)				1722.5	1745	1767.5	
25	QPSK	1	32	15.49	15.58	15.52	17.0
Channel				345000	350000	353000	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	26	15.37	15.60	15.54	17.0
Channel				343500	349000	353000	
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	19	15.56	15.62	15.43	17.0
Channel				343000	349000	355000	
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	12	15.59	15.64	15.60	17.0

n66_Ant4 DSI4 For NSA							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	MPR (dB)
Channel				346000	349000	352000	
Frequency (MHz)				1730	1745	1760	
40	Pl2 BPSK	1	1	19.47	19.69	19.50	
40	Pl2 BPSK	1	53	19.36	19.60	19.69	21.0
40	Pl2 BPSK	1	104	19.51	19.62	19.56	
40	Pl2 BPSK	50	0	19.43	19.57	19.39	21.0
40	Pl2 BPSK	50	26	19.51	19.76	19.37	21.0
40	Pl2 BPSK	50	56	19.27	19.53	19.56	
40	Pl2 BPSK	100	0	19.30	19.69	19.47	21.0
40	QPSK	1	1	19.41	19.46	19.52	
40	QPSK	1	53	19.40	19.66	19.44	21.0
40	QPSK	1	104	19.34	19.63	19.51	
40	QPSK	50	0	19.41	19.60	19.52	21.0
40	QPSK	50	26	19.52	19.77	19.52	21.0
40	QPSK	50	56	19.45	19.57	19.46	
40	QPSK	100	0	19.58	19.74	19.63	21.0
40	16QAM	1	1	19.40	19.52	19.54	21.0
40	16QAM	1	1	19.53	19.71	19.38	21.0
40	16QAM	1	1	17.80	19.32	17.90	1.5
Channel				346000	349000	353000	
Frequency (MHz)				1725	1745	1765	
30	QPSK	1	39	19.29	19.76	19.41	21.0
Channel				344500	348000	353000	
Frequency (MHz)				1722.5	1745	1767.5	
25	QPSK	1	32	19.32	19.83	19.33	21.0
Channel				345000	350000	353000	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	26	19.29	19.85	19.29	21.0
Channel				343500	349000	353000	
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	19	19.23	19.64	19.30	21.0
Channel				343000	349000	355000	
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	12	19.24	19.74	19.40	21.0



n38_Ant4 DSI1&4 For SA									
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				519004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	18.52	18.59	18.57			
40	PI2 BPSK	1	53	18.84	18.57	18.86		0.0	
40	PI2 BPSK	1	104	18.54	18.57	18.61			
40	PI2 BPSK	50	0	18.51	18.56	18.58	20.5	0.0	
40	PI2 BPSK	50	28	18.61	18.90	18.83	20.5	0.0	
40	PI2 BPSK	50	56	18.58	18.56	18.62	20.5	0.0	
40	PI2 BPSK	100	0	18.57	18.84	18.52			
40	QPSK	1	1	18.91	18.82	18.94			
40	QPSK	1	53	18.56	18.90	18.52	20.5	0.0	
40	QPSK	1	104	18.58	18.55	18.53			
40	QPSK	50	0	18.65	18.90	18.62	20.5	0.0	
40	QPSK	50	28	18.56	18.92	18.62	20.5	0.0	
40	QPSK	50	56	18.84	18.50	18.58	20.5	0.0	
40	QPSK	100	0	18.77	18.67	18.85			
40	16QAM	1	1	18.61	18.91	18.72	20.5	0.0	
40	16QAM	1	1	18.53	18.75	18.52	20.5	0.0	
40	256QAM	1	1	18.56	18.66	18.51	20.5	0.0	
Channel				518000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	26	18.58	18.76	18.53	20.5	0.0	
Channel				515000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	19	18.52	18.75	18.53	20.5	0.0	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2574.02	2595	2614.98			
10	QPSK	1	12	18.62	18.75	18.62	20.5	0.0	

n38_Ant4 DSI1&4 For NSA									
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				519004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	15.84	15.79	15.82			
40	PI2 BPSK	1	53	15.96	15.72	15.70	17.5	0.0	
40	PI2 BPSK	1	104	15.92	15.71	15.63			
40	PI2 BPSK	50	0	15.68	15.87	15.77	17.5	0.0	
40	PI2 BPSK	50	28	15.64	15.62	15.68	17.5	0.0	
40	PI2 BPSK	50	56	15.62	15.68	15.54	17.5	0.0	
40	PI2 BPSK	100	0	15.76	15.65	15.75			
40	QPSK	1	1	15.91	15.56	15.65			
40	QPSK	1	53	15.65	15.83	15.63	17.5	0.0	
40	QPSK	1	104	15.82	15.57	15.56			
40	QPSK	50	0	15.50	15.80	15.55	17.5	0.0	
40	QPSK	50	28	15.66	15.74	15.55	17.5	0.0	
40	QPSK	50	56	15.63	15.52	15.68	17.5	0.0	
40	QPSK	100	0	15.52	15.66	15.57			
40	16QAM	1	1	15.54	15.62	15.62	17.5	0.0	
40	16QAM	1	1	15.53	15.51	15.57	17.5	0.0	
40	256QAM	1	1	15.72	15.78	15.59	17.5	0.0	
Channel				518000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	26	15.58	15.79	15.72	17.5	0.0	
Channel				515000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	19	15.56	15.80	15.64	17.5	0.0	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2574.02	2595	2614.98			
10	QPSK	1	12	15.52	15.77	15.63	17.5	0.0	

n41_Ant4 DSI1 For SA									
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				509002	518598	533000			
Frequency (MHz)				2548.01	2592.99	2640			
100	PI2 BPSK	1	1	20.92	20.87	20.74			
100	PI2 BPSK	1	137	21.33	21.37	21.21		0.0	
100	PI2 BPSK	1	271	20.79	20.78	20.84			
100	PI2 BPSK	135	0	21.13	21.21	21.27	22.5	0.0	
100	PI2 BPSK	135	69	21.36	21.32	21.29	22.5	0.0	
100	PI2 BPSK	135	138	21.33	21.36	21.36	22.5	0.0	
100	PI2 BPSK	270	0	21.42	21.18	21.22			
100	QPSK	1	1	20.72	20.85	20.83			
100	QPSK	1	137	21.36	21.58	21.50	22.5	0.0	
100	QPSK	1	271	20.77	20.78	20.91			
100	QPSK	135	0	21.53	21.51	21.52	22.5	0.0	
100	QPSK	135	69	21.38	21.58	21.55	22.5	0.0	
100	QPSK	135	138	21.42	21.46	21.44	22.5	0.0	
100	QPSK	270	0	21.33	21.53	21.44			
100	16QAM	1	1	21.01	20.85	20.82	22.5	0.0	
100	16QAM	1	1	20.91	20.86	20.92	22.5	0.0	
100	256QAM	1	1	21.19	20.93	20.88	22.5	0.0	
Channel				508000	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	123	21.31	21.49	21.42	22.5	0.0	
Channel				507004	518598	532996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2649.99			
80	QPSK	1	169	21.43	21.52	21.56	22.5	0.0	
Channel				505000	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536	2592.99	2659.98			
60	QPSK	1	81	21.39	21.54	21.56	22.5	0.0	
Channel				504004	518598	532996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	21.35	21.51	21.48	22.5	0.0	
Channel				503000	518598	532000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2518.01	2592.99	2670			
40	QPSK	1	53	21.27	21.50	21.53	22.5	0.0	
Channel				502000	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	39	21.45	21.49	21.45	22.5	0.0	
Channel				501004	518598	535996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	21.44	21.53	21.41	22.5	0.0	
Channel				500000	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
15	QPSK	1	19	21.44	21.52	21.42	22.5	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	12	21.41	21.51	21.48	22.5	0.0	



n41_Ant4 DS1 For NSA							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	MPR (dB)
Channel				505200	518598	529000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI2 BPSK	1	1	17.81	17.58	17.58	
100	PI2 BPSK	1	137	18.41	18.45	18.15	
100	PI2 BPSK	1	271	17.78	17.55	17.28	19.5
100	PI2 BPSK	135	0	18.13	18.25	18.19	19.5
100	PI2 BPSK	135	69	18.35	18.31	18.25	19.5
100	PI2 BPSK	135	138	18.38	18.36	18.44	19.5
100	PI2 BPSK	270	0	18.46	18.13	18.20	19.5
100	QPSK	1	1	17.86	17.52	17.53	19.5
100	QPSK	1	137	18.32	18.62	18.50	19.5
100	QPSK	1	271	17.74	17.57	17.53	19.5
100	QPSK	135	0	18.44	18.51	18.58	19.5
100	QPSK	135	69	18.40	18.57	18.51	19.5
100	QPSK	135	138	18.48	18.40	18.38	19.5
100	QPSK	270	0	18.28	18.51	18.45	19.5
100	16QAM	1	1	17.53	17.57	17.61	19.5
100	64QAM	1	1	17.62	17.58	17.64	19.5
100	256QAM	1	1	17.71	17.68	17.73	19.5
Channel				508200	518598	528996	
Frequency (MHz)				2541	2592.99	2644.98	
90	QPSK	1	123	18.32	18.50	18.34	19.5
Channel				521200	518598	532000	
Frequency (MHz)				2536.02	2592.99	2649.99	
80	QPSK	1	109	18.28	18.52	18.36	19.5
Channel				505200	518598	531996	
Frequency (MHz)				2526	2592.99	2659.98	
60	QPSK	1	81	18.34	18.53	18.51	19.5
Channel				504200	518598	532998	
Frequency (MHz)				2521.02	2592.99	2664.99	
50	QPSK	1	67	18.33	18.52	18.50	19.5
Channel				503200	518598	532000	
Frequency (MHz)				2516.01	2592.99	2670	
40	QPSK	1	53	18.33	18.52	18.34	19.5
Channel				502200	518598	534996	
Frequency (MHz)				2511	2592.99	2674.99	
30	QPSK	1	39	18.27	18.47	18.38	19.5
Channel				501200	518598	535998	
Frequency (MHz)				2506.02	2592.99	2679.99	
20	QPSK	1	26	18.38	18.50	18.34	19.5
Channel				500200	518598	537000	
Frequency (MHz)				2501.01	2592.99	2685	
15	QPSK	1	19	18.39	18.46	18.39	19.5
Channel				500200	518598	537000	
Frequency (MHz)				2501.01	2592.99	2685	
10	QPSK	1	12	18.30	18.55	18.39	19.5

n41_Ant4 DS14 For SA&NSA							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	MPR (dB)
Channel				505200	518598	529000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI2 BPSK	1	1	18.71	18.59	18.74	
100	PI2 BPSK	1	137	19.26	19.43	19.13	20.5
100	PI2 BPSK	1	271	18.52	18.52	18.66	20.5
100	PI2 BPSK	135	0	19.06	19.17	19.22	20.5
100	PI2 BPSK	135	69	19.44	19.39	19.20	20.5
100	PI2 BPSK	135	138	19.39	19.37	19.42	20.5
100	PI2 BPSK	270	0	19.43	19.10	19.20	20.5
100	QPSK	1	1	18.61	18.58	18.59	20.5
100	QPSK	1	137	19.32	19.64	19.47	20.5
100	QPSK	1	271	18.54	18.53	18.58	20.5
100	QPSK	135	0	19.52	19.51	19.44	20.5
100	QPSK	135	69	19.30	19.55	19.49	20.5
100	QPSK	135	138	19.41	19.47	19.48	20.5
100	QPSK	270	0	19.39	19.52	19.50	20.5
100	16QAM	1	1	18.81	18.62	18.66	20.5
100	64QAM	1	1	18.88	18.68	18.76	20.5
100	256QAM	1	1	18.80	18.62	18.57	20.5
Channel				508200	518598	528996	
Frequency (MHz)				2541	2592.99	2644.98	
90	QPSK	1	123	19.40	19.41	19.39	20.5
Channel				521200	518598	532000	
Frequency (MHz)				2536.02	2592.99	2649.99	
80	QPSK	1	109	19.31	19.40	19.44	20.5
Channel				505200	518598	531996	
Frequency (MHz)				2526	2592.99	2659.98	
60	QPSK	1	81	19.26	19.54	19.50	20.5
Channel				504200	518598	532998	
Frequency (MHz)				2521.02	2592.99	2664.99	
50	QPSK	1	67	19.38	19.44	19.40	20.5
Channel				503200	518598	532000	
Frequency (MHz)				2516.01	2592.99	2670	
40	QPSK	1	53	19.37	19.54	19.38	20.5
Channel				502200	518598	534996	
Frequency (MHz)				2511	2592.99	2674.99	
30	QPSK	1	39	19.23	19.49	19.44	20.5
Channel				501200	518598	535998	
Frequency (MHz)				2506.02	2592.99	2679.99	
20	QPSK	1	26	19.24	19.57	19.40	20.5
Channel				500200	518598	537000	
Frequency (MHz)				2501.01	2592.99	2685	
15	QPSK	1	19	19.25	19.45	19.37	20.5
Channel				500200	518598	537000	
Frequency (MHz)				2501.01	2592.99	2685	
10	QPSK	1	12	19.27	19.53	19.45	20.5



### n77\_Ant5 DSI1 For SA / DSI 4 For SA&NSA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	18.16	18.28	17.84		
100	PI2 BPSK	1	137	18.16	18.12	17.85	19.0	0.0
100	PI2 BPSK	1	271	18.28	18.14	17.98		
100	PI2 BPSK	135	0	17.98	18.20	17.95	19.0	0.0
100	PI2 BPSK	135	69	18.10	17.95	17.95	19.0	0.0
100	PI2 BPSK	135	138	18.04	18.28	17.97	19.0	0.0
100	PI2 BPSK	270	0	18.20	18.18	18.03		
100	QPSK	1	1	18.12	18.10	18.03		
100	QPSK	1	137	18.14	18.28	17.96	19.0	0.0
100	QPSK	1	271	18.28	18.17	18.01		
100	QPSK	135	0	18.18	18.10	17.84	19.0	0.0
100	QPSK	135	69	17.98	18.26	17.98	19.0	0.0
100	QPSK	135	138	18.07	18.01	17.98	19.0	0.0
100	QPSK	270	0	18.06	18.15	17.83		
100	16QAM	1	1	18.01	18.11	17.97	19.0	0.0
100	16QAM	1	1	18.08	18.12	17.85	19.0	0.0
100	256QAM	1	1	17.99	18.26	17.97	19.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	123	18.00	18.28	17.93	19.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	109	18.05	18.12	17.89	19.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	95	18.13	18.17	17.91	19.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	81	17.98	18.21	17.87	19.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	67	18.07	18.26	17.84	19.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	53	18.07	18.17	17.81	19.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	26	17.95	18.12	17.87	19.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	19	18.12	18.28	17.79	19.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	12	18.15	18.14	17.92	19.0	0.0

### par27Q n77\_Ant5 DSI1 For SA / DSI 4 For SA&NSA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	18.10				
100	PI2 BPSK	1	137	18.02			19.0	0.0
100	PI2 BPSK	1	271	18.02				
100	PI2 BPSK	135	0	18.06			19.0	0.0
100	PI2 BPSK	135	69	18.04			19.0	0.0
100	PI2 BPSK	135	138	18.17			19.0	0.0
100	PI2 BPSK	270	0	18.01				
100	QPSK	1	1	18.24				
100	QPSK	1	137	18.25			19.0	0.0
100	QPSK	1	271	18.24				
100	QPSK	135	0	18.23			19.0	0.0
100	QPSK	135	69	18.24			19.0	0.0
100	QPSK	135	138	18.09			19.0	0.0
100	QPSK	270	0	18.10				
100	16QAM	1	1	18.23			19.0	0.0
100	16QAM	1	1	18.03			19.0	0.0
100	256QAM	1	1	18.19			19.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	123	18.15	18.11	18.14	19.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	109	18.18	18.00	18.07	19.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	95	18.11	18.08	18.05	19.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	81	18.23	18.07	18.13	19.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	67	18.21	18.15	18.08	19.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	53	18.12	18.01	18.21	19.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	26	18.15	18.05	18.07	19.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	19	18.04	18.10	18.01	19.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	12	18.08	18.12	18.07	19.0	0.0

### n77\_Ant5 DSI1 For NSA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	18.05	18.20	18.04		
100	PI2 BPSK	1	137	15.07	15.05	14.90	18.0	0.0
100	PI2 BPSK	1	271	15.10	15.07	14.99		
100	PI2 BPSK	135	0	15.08	15.19	15.07	18.0	0.0
100	PI2 BPSK	135	69	15.01	14.91	14.90	18.0	0.0
100	PI2 BPSK	135	138	15.05	15.17	15.13	18.0	0.0
100	PI2 BPSK	270	0	15.12	15.00	15.05		
100	QPSK	1	1	14.80	15.23	15.10		
100	QPSK	1	137	14.83	15.27	14.98	18.0	0.0
100	QPSK	1	271	15.13	15.18	15.02		
100	QPSK	135	0	15.05	15.03	14.84	18.0	0.0
100	QPSK	135	69	15.12	15.14	15.07	18.0	0.0
100	QPSK	135	138	15.08	15.04	15.05	18.0	0.0
100	QPSK	270	0	15.03	15.08	15.03		
100	16QAM	1	1	15.05	15.02	15.10	18.0	0.0
100	16QAM	1	1	15.12	14.98	14.92	18.0	0.0
100	256QAM	1	1	14.94	15.09	14.95	18.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	123	14.79	15.12	14.84	18.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	109	14.78	15.06	14.86	18.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	95	14.70	15.20	14.75	18.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	81	14.74	15.07	14.77	18.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	67	14.72	15.09	14.85	18.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	53	14.68	15.19	14.87	18.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	26	14.81	15.15	14.70	18.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	19	14.81	15.16	14.74	18.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	12	14.83	15.13	14.75	18.0	0.0



n77_Ant5 DSI1 For NSA										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	PI2 BPSK	1	1	15.00	3000.01					
100	PI2 BPSK	1	137	15.15			16.0	0.0		
100	PI2 BPSK	1	271	15.00						
100	PI2 BPSK	135	0	15.04			16.0	0.0		
100	PI2 BPSK	135	69	14.98			16.0	0.0		
100	PI2 BPSK	135	138	15.13			16.0	0.0		
100	PI2 BPSK	270	0	15.15						
100	QPSK	1	1	15.13						
100	QPSK	1	137	15.15			16.0	0.0		
100	QPSK	1	271	15.15						
100	QPSK	135	0	14.99			16.0	0.0		
100	QPSK	135	69	15.04			16.0	0.0		
100	QPSK	135	138	14.86			16.0	0.0		
100	QPSK	270	0	15.03						
100	16QAM	1	1	15.00			16.0	0.0		
100	64QAM	1	1	15.00			16.0	0.0		
100	256QAM	1	1	15.13			16.0	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	123	3495	3000.01	3004.99				
Channel										
Frequency (MHz)										
80	QPSK	1	109	3495.02	3500.01	3510				
Channel										
Frequency (MHz)										
70	QPSK	1	95	3485.01	3500.01	3514.98				
Channel										
Frequency (MHz)										
60	QPSK	1	81	3465.02	3500.01	3540				
Channel										
Frequency (MHz)										
50	QPSK	1	67	3435.01	3500.01	3519.99				
Channel										
Frequency (MHz)										
40	QPSK	1	53	3415.01	3500.01	3524.98				
Channel										
Frequency (MHz)										
20	QPSK	1	26	3405.02	3500.01	3540				
Channel										
Frequency (MHz)										
15	QPSK	1	19	3457.5	3500.01	3542.49				
Channel										
Frequency (MHz)										
10	QPSK	1	12	3455.01	3500.01	3544.98				

n78_Ant5 DSI1 For SA / DSI 4 For SA&NSA										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	PI2 BPSK	1	1	18.10	3750					
100	PI2 BPSK	1	137	18.11			19.0	0.0		
100	PI2 BPSK	1	271	18.12						
100	PI2 BPSK	135	0	18.11			19.0	0.0		
100	PI2 BPSK	135	69	18.10			19.0	0.0		
100	PI2 BPSK	135	138	18.21			19.0	0.0		
100	PI2 BPSK	270	0	18.18						
100	QPSK	1	1	18.14						
100	QPSK	1	137	18.27			19.0	0.0		
100	QPSK	1	271	18.20						
100	QPSK	135	0	18.04			19.0	0.0		
100	QPSK	135	69	18.16			19.0	0.0		
100	QPSK	135	138	18.03			19.0	0.0		
100	QPSK	270	0	18.15						
100	16QAM	1	1	18.01			19.0	0.0		
100	64QAM	1	1	18.23			19.0	0.0		
100	256QAM	1	1	18.20			19.0	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	123	3745.02	3750	3755.01				
Channel										
Frequency (MHz)										
80	QPSK	1	109	3740.01	3750	3760.02				
Channel										
Frequency (MHz)										
70	QPSK	1	95	3735	3750	3765				
Channel										
Frequency (MHz)										
60	QPSK	1	81	3725	3750	3780				
Channel										
Frequency (MHz)										
50	QPSK	1	67	3715.01	3750	3790.01				
Channel										
Frequency (MHz)										
40	QPSK	1	53	3710.01	3750	3790.02				
Channel										
Frequency (MHz)										
20	QPSK	1	26	3707.52	3750	3792.51				
Channel										
Frequency (MHz)										
15	QPSK	1	19	3705	3750	3795				
Channel										
Frequency (MHz)										
10	QPSK	1	12	3705	3750	3795				

par27Q n78_Ant5 DSI1 For SA / DSI 4 For SA&NSA										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	PI2 BPSK	1	1	18.12	3000.01					
100	PI2 BPSK	1	137	18.11			19.0	0.0		
100	PI2 BPSK	1	271	18.08						
100	PI2 BPSK	135	0	18.17			19.0	0.0		
100	PI2 BPSK	135	69	18.18			19.0	0.0		
100	PI2 BPSK	135	138	18.21			19.0	0.0		
100	PI2 BPSK	270	0	18.13						
100	QPSK	1	1	18.18						
100	QPSK	1	137	18.25			19.0	0.0		
100	QPSK	1	271	18.22						
100	QPSK	135	0	17.97			19.0	0.0		
100	QPSK	135	69	18.11			19.0	0.0		
100	QPSK	135	138	18.09			19.0	0.0		
100	QPSK	270	0	18.23						
100	16QAM	1	1	18.02			19.0	0.0		
100	64QAM	1	1	18.19			19.0	0.0		
100	256QAM	1	1	18.20			19.0	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	123	3495	3000.01	3004.99				
Channel										
Frequency (MHz)										
80	QPSK	1	109	3495.02	3500.01	3510				
Channel										
Frequency (MHz)										
70	QPSK	1	95	3485.01	3500.01	3514.98				
Channel										
Frequency (MHz)										
60	QPSK	1	81	3465.02	3500.01	3540				
Channel										
Frequency (MHz)										
50	QPSK	1	67	3435.01	3500.01	3519.99				
Channel										
Frequency (MHz)										
40	QPSK	1	53	3415.01	3500.01	3524.98				
Channel										
Frequency (MHz)										
20	QPSK	1	26	3405.02	3500.01	3540				
Channel										
Frequency (MHz)										
15	QPSK	1	19	3457.5	3500.01	3542.49				
Channel										
Frequency (MHz)										
10	QPSK	1	12	3455.01	3500.01	3544.98				



n78_Ant5 DS1 For NSA								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pl2 BPSK	1	1	14.91	14.91			
100	Pl2 BPSK	1	137	15.06	15.06		16.0	0.0
100	Pl2 BPSK	1	271	15.19	15.19			
100	Pl2 BPSK	135	0	15.02	15.02		16.0	0.0
100	Pl2 BPSK	135	69	14.98	14.98		16.0	0.0
100	Pl2 BPSK	135	138	15.17	15.17		16.0	0.0
100	Pl2 BPSK	270	0	15.16	15.16		16.0	0.0
100	QPSK	1	1	14.94	14.94			
100	QPSK	1	137	15.04	15.04		16.0	0.0
100	QPSK	1	271	15.14	15.14			
100	QPSK	135	0	14.98	14.98		16.0	0.0
100	QPSK	135	69	15.06	15.06		16.0	0.0
100	QPSK	135	138	14.97	14.97		16.0	0.0
100	QPSK	270	0	15.13	15.13		16.0	0.0
100	16QAM	1	1	14.74	14.74		16.0	0.0
100	16QAM	1	1	15.19	15.19		16.0	0.0
100	256QAM	1	1	15.20	15.20		16.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	123	15.02	15.11	15.05	16.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	109	15.00	15.20	15.13	16.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	96	15.02	15.03	15.19	16.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	81	14.99	15.23	15.21	16.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	67	15.06	15.07	15.06	16.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	53	15.07	15.16	15.18	16.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	26	15.10	15.22	15.04	16.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	19	15.08	15.23	15.19	16.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	12	14.88	15.11	15.13	16.0	0.0

Par27Q n78_Ant5 DS1 For NSA								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pl2 BPSK	1	1	14.95	14.95			
100	Pl2 BPSK	1	137	15.15	15.15		16.0	0.0
100	Pl2 BPSK	1	271	15.00	15.00			
100	Pl2 BPSK	135	0	15.04	15.04		16.0	0.0
100	Pl2 BPSK	135	69	14.98	14.98		16.0	0.0
100	Pl2 BPSK	135	138	15.13	15.13		16.0	0.0
100	Pl2 BPSK	270	0	15.15	15.15		16.0	0.0
100	QPSK	1	1	15.13	15.13			
100	QPSK	1	137	15.16	15.16		16.0	0.0
100	QPSK	1	271	15.15	15.15			
100	QPSK	135	0	14.99	14.99		16.0	0.0
100	QPSK	135	69	15.03	15.03		16.0	0.0
100	QPSK	135	138	14.98	14.98		16.0	0.0
100	QPSK	270	0	15.03	15.03		16.0	0.0
100	16QAM	1	1	15.00	15.00		16.0	0.0
100	16QAM	1	1	15.00	15.00		16.0	0.0
100	256QAM	1	1	15.13	15.13		16.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	123	15.09	15.03	15.01	16.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	109	15.05	15.03	15.01	16.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	96	14.95	15.03	14.93	16.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	81	15.02	15.00	14.95	16.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	67	15.10	14.98	14.99	16.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	53	15.15	15.02	15.03	16.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	26	15.13	15.06	15.04	16.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	19	15.05	15.09	15.07	16.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	12	15.06	14.99	15.05	16.0	0.0



### WLAN/Bluetooth Power

Full power						Head		
2.4GHz WLAN						Ant 6		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	19.50	20.50	16.44	16.50	100.00
		6	2437	19.00	20.00	16.01	16.50	
		11	2462	19.20	20.00	16.16	16.50	
	802.11g 6Mbps	1	2412	17.90	19.00	Not Required	16.50	100.00
		6	2437	17.80	19.00			
		11	2462	16.00	17.00			
	802.11n-HT20 MCS0	1	2412	17.80	19.00	Not Required	16.50	100.00
		6	2437	17.60	18.50			
		11	2462	15.20	16.00			
	802.11n-HT40 MCS0	3	2422	15.80	17.00	Not Required	16.50	100.00
		6	2437	16.80	18.00			
		9	2452	13.20	14.00			

Full power						Head		
5.2GHz WLAN						Ant 6		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180	15.00	16.00	Not Required	11.50	100.00
		40	5200	15.10	16.00		11.50	
		44	5220	15.20	16.50		11.50	
	48	5240	15.40	16.50	11.50			
	802.11n-HT20 MCS0	36	5180	14.90	16.00		11.50	100.00
		40	5200	15.00	16.00		11.50	
		44	5220	15.10	16.00		11.50	
	802.11n-HT40 MCS0	48	5240	15.00	16.00		11.50	100.00
		36	5190	14.80	16.00		11.50	
		46	5230	15.00	16.00		11.50	
	802.11ac-VHT20 MCS0	36	5180	14.80	16.00		11.50	100.00
		40	5200	14.90	16.00		11.50	
		44	5220	15.00	16.00		11.50	
	802.11ac-VHT40 MCS0	48	5240	14.90	16.00		11.50	100.00
		38	5190	14.70	16.00		11.50	
		46	5230	14.90	16.00		11.50	
	802.11ac-VHT80 MCS0	42	5210	14.10	15.00		11.50	100.00

Full power						Head		
5.3GHz WLAN						Ant 6		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.3GHz WLAN	802.11a 6Mbps	52	5260	16.00	19.00	Not Required	11.50	100.00
		56	5280	16.10	19.00		11.50	
		60	5300	16.10	19.00		11.50	
		64	5320	16.20	19.00		11.50	
	802.11n-HT20 MCS0	52	5260	16.50	17.50		11.50	100.00
		56	5280	16.60	17.50		11.50	
		60	5300	16.70	17.50		11.50	
		64	5320	16.70	17.50		11.50	
	802.11n-HT40 MCS0	54	5270	16.40	17.50		11.50	100.00
		62	5310	16.40	17.50		11.50	
		52	5260	16.30	17.50		11.50	
		56	5280	16.30	17.50		11.50	
	802.11ac-VHT20 MCS0	60	5300	16.30	17.50		11.50	100.00
		64	5320	16.50	17.50		11.50	
		54	5270	16.30	17.50		11.50	
		62	5310	16.30	17.50		11.50	
	802.11ac-VHT40 MCS0	82	5310	16.30	17.50		11.50	100.00
	802.11ac-VHT80 MCS0	58	5290	14.50	15.50		10.45	11.50

Full power						Head			
5.5GHz WLAN						Ant 6			
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.5GHz WLAN	802.11a 6Mbps	100	5500	18.00	19.00	Not Required	10.50	100.00	
		116	5580	18.10	19.00		10.50		
		124	5620	18.00	19.00		10.50		
		132	5660	18.10	19.00		10.50		
		140	5700	15.40	16.50		10.50		
	802.11n-HT20 MCS0	100	5500	16.50	17.50		10.50	100.00	
		116	5580	16.60	17.50		10.50		
		124	5620	16.50	17.50		10.50		
		132	5660	16.60	17.50		10.50		
		140	5700	15.60	16.50		10.50		
	802.11n-HT40 MCS0	102	5510	16.30	17.50		10.50	100.00	
		110	5550	16.50	17.50		10.50		
		126	5630	16.50	17.50		10.50		
		134	5670	16.20	17.50		10.50		
		142	5710	16.50	17.50		10.50		
	802.11ac-VHT20 MCS0	100	5500	16.30	17.50		10.50	100.00	
		116	5580	16.30	17.50		10.50		
		124	5620	16.30	17.50		10.50		
		132	5660	16.30	17.50		10.50		
		140	5700	15.50	16.50		10.50		
	802.11ac-VHT40 MCS0	102	5510	16.20	17.50		10.50	100.00	
		110	5550	16.40	17.50		10.50		
		126	5630	16.40	17.50		10.50		
		134	5670	16.10	17.00		10.50		
		142	5710	16.40	17.50		10.50		
	802.11ac-VHT80 MCS0	106	5630	15.00	16.00		9.42	10.50	100.00
		122	5610	16.00	17.00		9.53	10.50	
		138	5690	16.10	17.00		9.61	10.50	

Full power						Head		
5.8GHz WLAN						Ant 6		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.8GHz WLAN	802.11a 6Mbps	149	5745	15.30	16.50	Not Required	11.50	100.00
		157	5785	15.60	16.50		11.50	
		165	5825	15.70	16.50		11.50	
	802.11n-HT20 MCS0	149	5745	15.20	16.50		11.50	100.00
		157	5785	15.40	16.50		11.50	
		165	5825	15.50	16.50		11.50	
	802.11n-HT40 MCS0	151	5755	15.40	16.50		11.50	100.00
		159	5795	15.40	16.50		11.50	
		149	5745	15.10	16.50		11.50	
	802.11ac-VHT20 MCS0	157	5785	15.30	16.50		11.50	100.00
		165	5825	15.40	16.50		11.50	
		151	5755	15.30	16.50		11.50	
	802.11ac-VHT40 MCS0	159	5795	15.30	16.50		11.50	100.00
		151	5755	15.30	16.50		11.50	
	802.11ac-VHT80 MCS0	155	5775	15.50	16.50		10.12	11.50



**BT BR/EDR**

Mode	Channel	Frequency (MHz)	Average power (dBm)			Tune-up Limit
			1Mbps	2Mbps	3Mbps	
BR / EDR	CH 00	2402	9.16	8.56	8.27	10.00
	CH 39	2441	11.00	9.36	9.35	11.50
	CH 78	2480	9.32	8.70	8.73	10.00

**BT LE**

Mode	Channel	Frequency (MHz)	Average power (dBm)	
			GFSK	
LE	CH 00	2402	-4.90	
	CH 19	2440	-3.20	
	CH 39	2480	-3.80	
Tune-up Limit			0	

**BT LE V5.0**

Mode	Channel	Frequency (MHz)	Average power (dBm)	
			1Mbps	
LE	CH 00	2402	-4.70	
	CH 19	2440	-2.70	
	CH 39	2480	-3.70	
Tune-up Limit			0	