

10605	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc dc)	WLAN	8.97	± 9.6 %
10606	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc dc)	WLAN	8.82	± 9.6 %
10607	AAC	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc dc)	WLAN	8.64	± 9.6 %
10608	AAC	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc dc)	WLAN	8.77	± 9.6 %
10609	AAC	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc dc)	WLAN	8.57	± 9.6 %
10610	AAC	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc dc)	WLAN	8.78	± 9.6 %
10611	AAC	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc dc)	WLAN	8.70	± 9.6 %
10612	AAC	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc dc)	WLAN	8.77	± 9.6 %
10613	AAC	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc dc)	WLAN	8.94	± 9.6 %
10614	AAC	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc dc)	WLAN	8.59	± 9.6 %
10615	AAC	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc dc)	WLAN	8.82	± 9.6 %
10616	AAC	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc dc)	WLAN	8.82	± 9.6 %
10617	AAC	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc dc)	WLAN	8.81	± 9.6 %
10618	AAC	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc dc)	WLAN	8.58	± 9.6 %
10619	AAC	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc dc)	WLAN	8.86	± 9.6 %
10620	AAC	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc dc)	WLAN	8.87	± 9.6 %
10621	AAC	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc dc)	WLAN	8.77	± 9.6 %
10622	AAC	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc dc)	WLAN	8.68	± 9.6 %
10623	AAC	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc dc)	WLAN	8.82	± 9.6 %
10624	AAC	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc dc)	WLAN	8.96	± 9.6 %
10625	AAC	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc dc)	WLAN	8.96	± 9.6 %
10626	AAC	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc dc)	WLAN	8.83	± 9.6 %
10627	AAC	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc dc)	WLAN	8.88	± 9.6 %
10628	AAC	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc dc)	WLAN	8.71	± 9.6 %
10629	AAC	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc dc)	WLAN	8.85	± 9.6 %
10630	AAC	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc dc)	WLAN	8.72	± 9.6 %
10631	AAC	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc dc)	WLAN	8.81	± 9.6 %
10632	AAC	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc dc)	WLAN	8.74	± 9.6 %
10633	AAC	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc dc)	WLAN	8.83	± 9.6 %
10634	AAC	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc dc)	WLAN	8.80	± 9.6 %
10635	AAC	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc dc)	WLAN	8.81	± 9.6 %
10636	AAD	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc dc)	WLAN	8.83	± 9.6 %
10637	AAD	IEEE 802.11ac WiFi (160MHz, MCS1, 90pc dc)	WLAN	8.79	± 9.6 %
10638	AAD	IEEE 802.11ac WiFi (160MHz, MCS2, 90pc dc)	WLAN	8.86	± 9.6 %
10639	AAD	IEEE 802.11ac WiFi (160MHz, MCS3, 90pc dc)	WLAN	8.85	± 9.6 %
10640	AAD	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc dc)	WLAN	8.98	± 9.6 %
10641	AAD	IEEE 802.11ac WiFi (160MHz, MCS5, 90pc dc)	WLAN	9.06	± 9.6 %
10642	AAD	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc dc)	WLAN	9.06	± 9.6 %
10643	AAD	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc dc)	WLAN	8.89	± 9.6 %
10644	AAD	IEEE 802.11ac WiFi (160MHz, MCS8, 90pc dc)	WLAN	9.05	± 9.6 %
10645	AAD	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc dc)	WLAN	9.11	± 9.6 %
10646	AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub=2,7)	LTE-TDD	11.96	± 9.6 %
10647	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub=2,7)	LTE-TDD	11.96	± 9.6 %
10648	AAA	CDMA2000 (1x Advanced)	CDMA2000	3.45	± 9.6 %
10652	AAE	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	± 9.6 %
10653	AAE	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	± 9.6 %
10654	AAD	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.96	± 9.6 %
10655	AAE	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.21	± 9.6 %
10658	AAA	Pulse Waveform (200Hz, 10%)	Test	10.00	± 9.6 %
10659	AAA	Pulse Waveform (200Hz, 20%)	Test	6.99	± 9.6 %
10660	AAA	Pulse Waveform (200Hz, 40%)	Test	3.98	± 9.6 %
10661	AAA	Pulse Waveform (200Hz, 60%)	Test	2.22	± 9.6 %
10662	AAA	Pulse Waveform (200Hz, 80%)	Test	0.97	± 9.6 %
10670	AAA	Bluetooth Low Energy	Bluetooth	2.19	± 9.6 %
10671	AAC	IEEE 802.11ax (20MHz, MCS0, 90pc dc)	WLAN	9.09	± 9.6 %
10672	AAC	IEEE 802.11ax (20MHz, MCS1, 90pc dc)	WLAN	8.57	± 9.6 %

10673	AAC	IEEE 802.11ax (20MHz, MCS2, 90pc dc)	WLAN	8.78	± 9.6 %
10674	AAC	IEEE 802.11ax (20MHz, MCS3, 90pc dc)	WLAN	8.74	± 9.6 %
10675	AAC	IEEE 802.11ax (20MHz, MCS4, 90pc dc)	WLAN	8.90	± 9.6 %
10676	AAC	IEEE 802.11ax (20MHz, MCS5, 90pc dc)	WLAN	8.77	± 9.6 %
10677	AAC	IEEE 802.11ax (20MHz, MCS6, 90pc dc)	WLAN	8.73	± 9.6 %
10678	AAC	IEEE 802.11ax (20MHz, MCS7, 90pc dc)	WLAN	8.78	± 9.6 %
10679	AAC	IEEE 802.11ax (20MHz, MCS8, 90pc dc)	WLAN	8.89	± 9.6 %
10680	AAC	IEEE 802.11ax (20MHz, MCS9, 90pc dc)	WLAN	8.80	± 9.6 %
10681	AAC	IEEE 802.11ax (20MHz, MCS10, 90pc dc)	WLAN	8.62	± 9.6 %
10682	AAC	IEEE 802.11ax (20MHz, MCS11, 90pc dc)	WLAN	8.83	± 9.6 %
10683	AAC	IEEE 802.11ax (20MHz, MCS0, 99pc dc)	WLAN	8.42	± 9.6 %
10684	AAC	IEEE 802.11ax (20MHz, MCS1, 99pc dc)	WLAN	8.26	± 9.6 %
10685	AAC	IEEE 802.11ax (20MHz, MCS2, 99pc dc)	WLAN	8.33	± 9.6 %
10686	AAC	IEEE 802.11ax (20MHz, MCS3, 99pc dc)	WLAN	8.28	± 9.6 %
10687	AAC	IEEE 802.11ax (20MHz, MCS4, 99pc dc)	WLAN	8.45	± 9.6 %
10688	AAC	IEEE 802.11ax (20MHz, MCS5, 99pc dc)	WLAN	8.29	± 9.6 %
10689	AAC	IEEE 802.11ax (20MHz, MCS6, 99pc dc)	WLAN	8.55	± 9.6 %
10690	AAC	IEEE 802.11ax (20MHz, MCS7, 99pc dc)	WLAN	8.29	± 9.6 %
10691	AAC	IEEE 802.11ax (20MHz, MCS8, 99pc dc)	WLAN	8.25	± 9.6 %
10692	AAC	IEEE 802.11ax (20MHz, MCS9, 99pc dc)	WLAN	8.29	± 9.6 %
10693	AAC	IEEE 802.11ax (20MHz, MCS10, 99pc dc)	WLAN	8.25	± 9.6 %
10694	AAC	IEEE 802.11ax (20MHz, MCS11, 99pc dc)	WLAN	8.57	± 9.6 %
10695	AAC	IEEE 802.11ax (40MHz, MCS0, 90pc dc)	WLAN	8.78	± 9.6 %
10696	AAC	IEEE 802.11ax (40MHz, MCS1, 90pc dc)	WLAN	8.91	± 9.6 %
10697	AAC	IEEE 802.11ax (40MHz, MCS2, 90pc dc)	WLAN	8.61	± 9.6 %
10698	AAC	IEEE 802.11ax (40MHz, MCS3, 90pc dc)	WLAN	8.89	± 9.6 %
10699	AAC	IEEE 802.11ax (40MHz, MCS4, 90pc dc)	WLAN	8.82	± 9.6 %
10700	AAC	IEEE 802.11ax (40MHz, MCS5, 90pc dc)	WLAN	8.73	± 9.6 %
10701	AAC	IEEE 802.11ax (40MHz, MCS6, 90pc dc)	WLAN	8.86	± 9.6 %
10702	AAC	IEEE 802.11ax (40MHz, MCS7, 90pc dc)	WLAN	8.70	± 9.6 %
10703	AAC	IEEE 802.11ax (40MHz, MCS8, 90pc dc)	WLAN	8.82	± 9.6 %
10704	AAC	IEEE 802.11ax (40MHz, MCS9, 90pc dc)	WLAN	8.56	± 9.6 %
10705	AAC	IEEE 802.11ax (40MHz, MCS10, 90pc dc)	WLAN	8.69	± 9.6 %
10706	AAC	IEEE 802.11ax (40MHz, MCS11, 90pc dc)	WLAN	8.66	± 9.6 %
10707	AAC	IEEE 802.11ax (40MHz, MCS0, 99pc dc)	WLAN	8.32	± 9.6 %
10708	AAC	IEEE 802.11ax (40MHz, MCS1, 99pc dc)	WLAN	8.55	± 9.6 %
10709	AAC	IEEE 802.11ax (40MHz, MCS2, 99pc dc)	WLAN	8.33	± 9.6 %
10710	AAC	IEEE 802.11ax (40MHz, MCS3, 99pc dc)	WLAN	8.29	± 9.6 %
10711	AAC	IEEE 802.11ax (40MHz, MCS4, 99pc dc)	WLAN	8.39	± 9.6 %
10712	AAC	IEEE 802.11ax (40MHz, MCS5, 99pc dc)	WLAN	8.67	± 9.6 %
10713	AAC	IEEE 802.11ax (40MHz, MCS6, 99pc dc)	WLAN	8.33	± 9.6 %
10714	AAC	IEEE 802.11ax (40MHz, MCS7, 99pc dc)	WLAN	8.26	± 9.6 %
10715	AAC	IEEE 802.11ax (40MHz, MCS8, 99pc dc)	WLAN	8.45	± 9.6 %
10716	AAC	IEEE 802.11ax (40MHz, MCS9, 99pc dc)	WLAN	8.30	± 9.6 %
10717	AAC	IEEE 802.11ax (40MHz, MCS10, 99pc dc)	WLAN	8.48	± 9.6 %
10718	AAC	IEEE 802.11ax (40MHz, MCS11, 99pc dc)	WLAN	8.24	± 9.6 %
10719	AAC	IEEE 802.11ax (80MHz, MCS0, 90pc dc)	WLAN	8.81	± 9.6 %
10720	AAC	IEEE 802.11ax (80MHz, MCS1, 90pc dc)	WLAN	8.87	± 9.6 %
10721	AAC	IEEE 802.11ax (80MHz, MCS2, 90pc dc)	WLAN	8.76	± 9.6 %
10722	AAC	IEEE 802.11ax (80MHz, MCS3, 90pc dc)	WLAN	8.55	± 9.6 %
10723	AAC	IEEE 802.11ax (80MHz, MCS4, 90pc dc)	WLAN	8.70	± 9.6 %
10724	AAC	IEEE 802.11ax (80MHz, MCS5, 90pc dc)	WLAN	8.90	± 9.6 %
10725	AAC	IEEE 802.11ax (80MHz, MCS6, 90pc dc)	WLAN	8.74	± 9.6 %
10726	AAC	IEEE 802.11ax (80MHz, MCS7, 90pc dc)	WLAN	8.72	± 9.6 %
10727	AAC	IEEE 802.11ax (80MHz, MCS8, 90pc dc)	WLAN	8.66	± 9.6 %
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	AAE	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	7.99	± 9.6 %
10768	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10769	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10770	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10771	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10772	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.23	± 9.6 %
10773	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.03	± 9.6 %
10774	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10775	AAD	5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	± 9.6 %
10776	AAD	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	AAD	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	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	± 9.6 %
10781	AAD	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	± 9.6 %
10782	AAD	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.43	± 9.6 %
10783	AAE	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	± 9.6 %
10784	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.29	± 9.6 %

10785	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10786	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10787	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.44	± 9.6 %
10788	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10789	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10790	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10791	AAE	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.83	± 9.6 %
10792	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.92	± 9.6 %
10793	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.95	± 9.6 %
10794	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	± 9.6 %
10795	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.84	± 9.6 %
10796	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	± 9.6 %
10797	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10798	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	± 9.6 %
10799	AAD	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	± 9.6 %
10801	AAD	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	± 9.6 %
10802	AAD	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	± 9.6 %
10803	AAD	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	AAE	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	AAD	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	AAD	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	AAD	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	AAD	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	AAD	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	AAC	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.66	± 9.6 %
10898	AAB	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	± 9.6 %
10899	AAB	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	± 9.6 %
10900	AAB	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10901	AAB	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10902	AAB	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10903	AAB	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10904	AAB	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10905	AAB	5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10906	AAB	5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10907	AAC	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.78	± 9.6 %
10908	AAB	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6 %
10909	AAB	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.96	± 9.6 %
10910	AAB	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	± 9.6 %
10911	AAB	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6 %
10912	AAB	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10913	AAB	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10914	AAB	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.85	± 9.6 %
10915	AAB	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	± 9.6 %
10916	AAB	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 9.6 %
10917	AAB	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	± 9.6 %
10918	AAC	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	± 9.6 %
10919	AAB	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	± 9.6 %
10920	AAB	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 9.6 %
10921	AAB	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10922	AAB	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.82	± 9.6 %

10923	AAB	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10924	AAB	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10925	AAB	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.95	± 9.6 %
10926	AAB	5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10927	AAB	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	± 9.6 %
10928	AAC	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10929	AAC	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10930	AAC	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10931	AAC	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10932	AAC	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10933	AAC	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10934	AAC	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10935	AAD	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	AAC	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.77	± 9.6 %
10938	AAC	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	± 9.6 %
10939	AAC	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.82	± 9.6 %
10940	AAC	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.89	± 9.6 %
10941	AAC	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	± 9.6 %
10942	AAC	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	± 9.6 %
10943	AAD	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.95	± 9.6 %
10944	AAC	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.81	± 9.6 %
10945	AAC	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	AAC	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	± 9.6 %
10948	AAC	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	± 9.6 %
10949	AAC	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	± 9.6 %
10950	AAC	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	± 9.6 %
10951	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.92	± 9.6 %
10952	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.25	± 9.6 %
10953	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.15	± 9.6 %
10954	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.23	± 9.6 %
10955	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.42	± 9.6 %
10956	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.14	± 9.6 %
10957	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.31	± 9.6 %
10958	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.61	± 9.6 %
10959	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.33	± 9.6 %
10960	AAC	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	AAC	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 %
10978	AAA	ULLA BDR	ULLA	2.23	± 9.6 %
10979	AAA	ULLA HDR4	ULLA	7.02	± 9.6 %
10980	AAA	ULLA HDR8	ULLA	8.82	± 9.6 %
10981	AAA	ULLA HDRp4	ULLA	1.50	± 9.6 %
10982	AAA	ULLA HDRp8	ULLA	1.44	± 9.6 %

[¶] 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 Ant1 Default power

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel	128	160	251	128	160	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.80	32.76	32.75	33.50	23.60	23.76	23.75	24.50
GPRS 1 Tx slot	32.69	32.78	32.69	33.50	23.69	23.78	23.69	24.50
GPRS 2 Tx slots	30.09	30.29	30.29	31.00	24.09	24.29	24.29	25.00
GPRS 3 Tx slots	29.10	29.22	29.03	29.50	24.84	24.96	24.77	25.24
GPRS 4 Tx slots	27.05	27.14	27.03	28.00	24.05	24.14	24.03	25.00
EDGE 1 Tx slot	27.03	27.18	27.01	28.50	18.03	18.18	18.01	19.50
EDGE 2 Tx slots	24.22	24.41	24.43	25.50	18.22	18.41	18.43	19.50
EDGE 3 Tx slots	22.15	22.36	22.27	24.00	17.89	18.10	18.01	19.74
EDGE 4 Tx slots	21.08	21.15	20.94	22.50	18.08	18.15	17.84	19.50

GSM1900 Ant1 Default power

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel	512	661	810	512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.81	29.87	29.76	30.50	20.81	20.87	20.76	21.50
GPRS 1 Tx slot	29.83	29.89	29.84	30.50	20.83	20.89	20.84	21.50
GPRS 2 Tx slots	26.24	26.28	26.15	27.50	20.24	20.28	20.15	21.50
GPRS 3 Tx slots	24.16	24.33	24.21	26.00	19.80	20.07	19.95	21.74
GPRS 4 Tx slots	23.07	23.25	23.26	24.50	20.07	20.25	20.26	21.50
EDGE 1 Tx slot	26.34	26.48	26.47	27.50	17.34	17.48	17.47	18.50
EDGE 2 Tx slots	23.21	23.20	23.05	24.50	17.21	17.20	17.05	18.50
EDGE 3 Tx slots	22.18	22.18	22.10	23.00	17.92	17.92	17.84	18.74
EDGE 4 Tx slots	20.86	21.02	20.89	21.50	17.86	18.02	17.89	18.50

WCDMA II Ant1 Default power

WCDMA IV Ant1 Default power

WCDMA V Ant1 Default power

Band	WCDMA II				Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
	TX Channel	9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.56	23.63	23.59	25.00	23.44	23.49	23.47	25.00	23.91	23.96	23.88	25.50
3GPP Rel 99	RMC 12.2Kbps	23.57	23.64	23.61	25.00	23.51	23.54	23.53	25.00	23.93	23.98	23.89	25.50
3GPP Rel 6	HSDPA Subtest-1	22.37	22.53	22.65	24.00	22.69	22.63	22.60	24.00	22.84	22.95	22.99	24.50
3GPP Rel 6	HSDPA Subtest-2	22.64	22.44	22.39	24.00	22.77	22.78	22.48	24.00	22.78	23.02	23.08	24.50
3GPP Rel 6	HSDPA Subtest-3	22.07	22.24	22.04	23.50	22.11	22.06	22.18	23.50	22.52	22.30	22.35	24.00
3GPP Rel 6	HSDPA Subtest-4	22.02	22.13	21.87	23.50	22.24	22.13	22.16	23.50	22.14	22.39	22.40	24.00
3GPP Rel 8	DC-HSDPA Subtest-1	22.71	22.58	22.60	24.00	22.76	22.55	22.73	24.00	23.10	22.92	23.11	24.50
3GPP Rel 8	DC-HSDPA Subtest-2	22.41	22.70	22.42	24.00	22.70	22.65	22.72	24.00	23.07	23.09	23.13	24.50
3GPP Rel 8	DC-HSDPA Subtest-3	22.29	22.27	22.18	23.50	22.27	22.15	22.07	23.50	22.58	22.36	22.16	24.00
3GPP Rel 8	DC-HSDPA Subtest-4	21.91	22.26	22.04	23.50	22.39	22.18	21.98	23.50	22.25	22.57	22.31	24.00
3GPP Rel 6	HSUPA Subtest-1	22.48	22.63	22.68	24.00	22.69	22.70	22.74	24.00	22.99	22.91	23.15	24.50
3GPP Rel 6	HSUPA Subtest-2	20.74	20.59	20.54	22.00	20.73	20.62	20.57	22.00	20.95	20.98	21.06	22.50
3GPP Rel 6	HSUPA Subtest-3	21.55	21.92	21.46	23.00	21.85	21.50	21.64	23.00	22.01	21.95	21.61	23.50
3GPP Rel 6	HSUPA Subtest-4	20.41	20.57	20.24	22.00	20.78	20.81	20.78	22.00	20.72	20.85	20.89	22.50
3GPP Rel 6	HSUPA Subtest-5	22.52	22.78	22.74	24.00	22.63	22.70	22.56	24.00	22.78	22.95	23.12	24.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.86	19.98	20.00	21.50	20.03	20.07	20.17	21.50	20.29	20.33	20.24	22.00

Band 5 Ant1 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				20450	20525	20600			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	23.95	23.99	23.81	25.5	0	
10	QPSK	1	25	23.96	23.82	23.94			
10	QPSK	1	49	23.71	23.80	23.74			
10	QPSK	25	0	22.84	22.96	22.85			
10	QPSK	25	12	22.72	22.69	22.81			
10	QPSK	25	25	22.79	22.76	22.85	24.5	1	
10	QPSK	50	0	22.76	22.83	22.73			
10	16QAM	1	0	22.98	23.07	22.86			
10	16QAM	1	25	23.04	22.92	22.99			
10	16QAM	1	49	22.80	22.82	22.84			
10	16QAM	25	0	21.94	22.02	21.89	23.5	2	
10	16QAM	25	12	21.81	21.76	21.86			
10	16QAM	25	25	21.87	21.79	21.91			
10	16QAM	50	0	21.82	21.84	21.76			
10	64QAM	1	0	22.07	22.12	21.86			
10	64QAM	1	25	22.07	22.04	22.04	23.5	2	
10	64QAM	1	49	21.85	21.86	21.93			
10	64QAM	25	0	20.95	21.07	20.95			
10	64QAM	25	12	20.81	20.87	20.90			
10	64QAM	25	25	20.96	20.87	21.01			
10	64QAM	50	0	20.85	20.91	20.82	22.5	3	
Channel				20425	20525	20625			
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	0	23.89	23.93	23.73	25.5	0	
5	QPSK	1	12	23.88	23.82	23.86			
5	QPSK	1	24	23.68	23.71	23.76			
5	QPSK	12	0	22.83	22.88	22.79			
5	QPSK	12	7	22.63	22.64	22.73			
5	QPSK	12	13	22.78	22.67	22.81	24.5	1	
5	QPSK	25	0	22.74	22.81	22.73			
5	16QAM	1	0	22.97	23.09	22.84			
5	16QAM	1	12	22.96	22.84	22.90			
5	16QAM	1	24	22.79	22.81	22.78			
5	16QAM	12	0	21.89	22.04	21.81	23.5	2	
5	16QAM	12	7	21.79	21.72	21.82			
5	16QAM	12	13	21.86	21.75	21.84			
5	16QAM	25	0	21.82	21.83	21.89			
5	64QAM	1	0	22.04	22.09	21.81			
5	64QAM	1	12	21.97	21.96	22.00	23.5	2	
5	64QAM	1	24	21.80	21.88	21.83			
5	64QAM	12	0	20.87	21.03	20.89			
5	64QAM	12	7	20.75	20.83	20.80			
5	64QAM	12	13	20.96	20.88	20.93			
5	64QAM	25	0	20.81	20.92	20.84	22.5	3	
Channel				20415	20525	20635			
Frequency (MHz)				825.5	836.5	847.5			
3	QPSK	1	0	23.87	23.96	23.79	25.5	0	
3	QPSK	1	8	23.92	23.78	23.88			
3	QPSK	1	14	23.62	23.74	23.70			
3	QPSK	8	0	22.77	22.91	22.78			
3	QPSK	8	4	22.69	22.60	22.73			
3	QPSK	8	7	22.78	22.74	22.78	24.5	1	
3	QPSK	15	0	22.67	22.73	22.70			
3	16QAM	1	0	22.92	23.00	22.86			
3	16QAM	1	8	23.01	22.85	22.94			
3	16QAM	1	14	22.70	22.83	22.86			
3	16QAM	8	0	21.96	21.93	21.83	23.5	2	
3	16QAM	8	4	21.78	21.75	21.82			
3	16QAM	8	7	21.82	21.75	21.91			
3	16QAM	15	0	21.82	21.79	21.76			
3	64QAM	1	0	22.09	22.02	21.88			
3	64QAM	1	8	22.03	21.96	22.05	23.5	2	
3	64QAM	1	14	21.86	21.87	21.89			
3	64QAM	8	0	20.92	21.05	20.86			
3	64QAM	8	4	20.80	20.86	20.82			
3	64QAM	8	7	20.89	20.86	20.91			
3	64QAM	15	0	20.78	20.82	20.80	22.5	3	
Channel				20407	20525	20643			
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	23.88	23.95	23.72	25.5	0	
1.4	QPSK	1	3	23.87	23.80	23.85			
1.4	QPSK	1	5	23.64	23.74	23.65			
1.4	QPSK	3	0	23.82	23.94	23.83			
1.4	QPSK	3	1	23.64	23.61	23.81			
1.4	QPSK	3	3	23.73	23.74	23.78	24.5	1	
1.4	QPSK	6	0	22.71	22.83	22.67			
1.4	16QAM	1	0	22.90	23.04	22.87			
1.4	16QAM	1	3	23.01	22.94	23.00			
1.4	16QAM	1	5	22.70	22.73	22.78			
1.4	16QAM	3	0	22.95	22.98	22.86	24.5	1	
1.4	16QAM	3	1	22.80	22.67	22.80			
1.4	16QAM	3	3	22.85	22.75	22.88			
1.4	16QAM	6	0	21.80	21.76	21.72			
1.4	64QAM	1	0	22.03	22.13	21.82			
1.4	64QAM	1	3	22.00	21.97	22.03	23.5	2	
1.4	64QAM	1	5	21.84	21.84	21.88			
1.4	64QAM	3	0	21.92	22.05	21.88			
1.4	64QAM	3	1	21.74	21.87	21.61			
1.4	64QAM	3	3	21.92	21.78	21.99			
1.4	64QAM	6	0	20.77	20.82	20.75	22.5	3	

Band 7 Ant1 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				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	24.04	24.09	24.01	25.5	0	
20	QPSK	1	49	24.03	23.99	24.05			
20	QPSK	1	99	23.88	23.93	23.85			
20	QPSK	50	0	22.97	23.07	22.95	24.5	1	
20	QPSK	50	24	22.79	22.75	22.85			
20	QPSK	50	50	22.91	22.91	22.88			
20	QPSK	100	0	22.67	22.90	22.82	24.5	1	
20	16QAM	1	0	22.89	22.88	22.70			
20	16QAM	1	49	22.67	22.75	22.83			
20	16QAM	1	99	22.53	22.87	22.86	23.5	2	
20	16QAM	50	0	21.83	22.04	22.05			
20	16QAM	50	24	21.96	21.89	22.03			
20	16QAM	50	50	21.86	21.65	21.79	23.5	2	
20	16QAM	100	0	21.92	21.55	21.59			
20	64QAM	1	0	21.79	21.86	21.82			
20	64QAM	1	49	21.86	21.73	21.93	23.5	2	
20	64QAM	1	99	21.84	21.86	21.84			
20	64QAM	50	0	20.90	20.91	21.14			
20	64QAM	50	24	20.91	21.01	20.90	22.5	3	
20	64QAM	50	50	20.87	20.65	21.14			
20	64QAM	100	0	20.88	20.88	20.86			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	23.87	23.98	23.82	25.5	0	
15	QPSK	1	37	23.87	23.81	23.86			
15	QPSK	1	74	23.71	23.77	23.69			
15	QPSK	36	0	22.82	22.91	22.82	24.5	1	
15	QPSK	36	20	22.62	22.80	22.68			
15	QPSK	36	39	22.80	22.79	22.72			
15	QPSK	75	0	22.51	22.72	22.72	24.5	1	
15	16QAM	1	0	22.70	22.87	22.52			
15	16QAM	1	37	22.53	22.61	22.73			
15	16QAM	1	74	22.92	22.58	22.96	23.5	2	
15	16QAM	36	0	21.88	21.91	21.85			
15	16QAM	36	20	21.76	21.76	21.87			
15	16QAM	36	39	21.75	21.54	21.69	23.5	2	
15	16QAM	75	0	21.72	21.94	21.99			
15	64QAM	1	0	21.68	21.66	21.67			
15	64QAM	1	37	21.74	21.54	21.78	23.5	2	
15	64QAM	1	74	21.65	21.76	21.73			
15	64QAM	36	0	20.72	20.80	20.98			
15	64QAM	36	20	20.70	20.82	20.96	22.5	3	
15	64QAM	36	39	20.70	20.96	20.98			
15	64QAM	75	0	20.75	20.70	20.65			
Channel				20800	21190	21490	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	23.85	23.99	23.88	25.5	0	
10	QPSK	1	25	23.83	23.84	23.85			
10	QPSK	1	49	23.74	23.77	23.64			
10	QPSK	25	0	22.85	22.92	22.78	24.5	1	
10	QPSK	25	12	22.66	22.66	22.66			
10	QPSK	25	25	22.73	22.74	22.67			
10	QPSK	50	0	22.99	23.74	22.79	24.5	1	
10	16QAM	1	0	22.72	22.57	22.58			
10	16QAM	1	25	22.55	22.57	22.72			
10	16QAM	1	49	22.99	22.56	22.86	23.5	2	
10	16QAM	25	0	21.66	21.83	21.95			
10	16QAM	25	12	21.78	21.80	21.83			
10	16QAM	25	25	21.68	21.54	21.59	23.5	2	
10	16QAM	50	0	21.76	21.86	21.89			
10	64QAM	1	0	21.67	21.76	21.69			
10	64QAM	1	25	21.67	21.84	21.82	22.5	3	
10	64QAM	1	49	21.69	21.69	21.72			
10	64QAM	25	0	20.73	20.71	21.01			
10	64QAM	25	12	20.81	20.86	20.71	22.5	3	
10	64QAM	25	25	20.71	20.56	20.94			
10	64QAM	50	0	20.79	20.79	20.68			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	23.86	23.91	23.84	25.5	0	
5	QPSK	1	12	23.91	23.86	23.91			
5	QPSK	1	24	23.72	23.75	23.65			
5	QPSK	12	0	22.77	22.86	22.81	24.5	1	
5	QPSK	12	7	22.65	22.65	22.72			
5	QPSK	12	13	22.71	22.76	22.74			
5	QPSK	25	0	22.57	22.76	22.72	24.5	1	
5	16QAM	1	0	22.70	22.57	22.53			
5	16QAM	1	12	22.52	22.58	22.69			
5	16QAM	1	24	22.88	22.56	22.87	23.5	2	
5	16QAM	12	0	21.72	21.86	21.92			
5	16QAM	12	7	21.81	21.79	21.92			
5	16QAM	12	13	21.69	21.51	21.62	23.5	2	
5	16QAM	25	0	21.72	21.91	21.86			
5	64QAM	1	0	21.59	21.71	21.65			
5	64QAM	1	12	21.72	21.55	21.75	23.5	2	
5	64QAM	1	24	21.75	21.66	21.70			
5	64QAM	12	0	20.80	20.73	20.84			
5	64QAM	12	7	20.72	20.91	20.76	22.5	3	
5	64QAM	12	13	20.75	20.67	20.95			
5	64QAM	25	0	20.70	20.74	20.76			

Band 38 Ant1 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				37850	38000	38150	25.5	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	24.01	24.05	24.03			
20	QPSK	1	49	23.94	23.88	23.93	24.5	1	
20	QPSK	1	99	23.90	23.95	23.88			
20	QPSK	50	0	22.88	23.02	22.84			
20	QPSK	50	24	22.80	22.87	22.90	24.5	1	
20	QPSK	50	50	22.99	22.90	22.70			
20	QPSK	100	0	22.70	22.96	22.92			
20	16QAM	1	0	22.80	22.83	22.74	24.5	1	
20	16QAM	1	49	22.76	22.84	22.86			
20	16QAM	1	99	22.84	22.78	22.82			
20	16QAM	50	0	21.76	21.95	21.94	23.5	2	
20	16QAM	50	24	21.70	21.89	21.78			
20	16QAM	50	50	21.64	21.52	21.74			
20	16QAM	100	0	21.70	21.67	21.56	23.5	2	
20	64QAM	1	0	21.75	21.64	21.69			
20	64QAM	1	49	21.56	21.65	21.58			
20	64QAM	1	99	21.67	21.70	21.65	22.5	3	
20	64QAM	50	0	20.85	20.89	20.95			
20	64QAM	50	24	21.01	21.04	20.98			
20	64QAM	50	50	20.92	20.76	21.18	22.5	3	
20	64QAM	100	0	20.96	21.01	20.76			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5	25.5	0	
15	QPSK	1	0	23.89	23.93	23.92			
15	QPSK	1	37	23.89	23.76	23.80	24.5	1	
15	QPSK	1	74	23.83	23.82	23.79			
15	QPSK	36	0	22.82	22.92	22.71			
15	QPSK	36	20	22.70	22.79	22.79	24.5	1	
15	QPSK	36	39	22.87	22.85	22.95			
15	QPSK	75	0	22.56	22.80	22.87			
15	16QAM	1	0	22.67	22.72	22.65	24.5	1	
15	16QAM	1	37	22.67	22.78	22.74			
15	16QAM	1	74	22.70	22.66	22.70			
15	16QAM	36	0	21.61	21.88	21.80	23.5	2	
15	16QAM	36	20	21.63	21.80	21.72			
15	16QAM	36	39	21.51	21.54	21.63			
15	16QAM	75	0	21.61	21.54	21.50	23.5	2	
15	64QAM	1	0	21.62	21.59	21.56			
15	64QAM	1	37	21.55	21.51	21.59			
15	64QAM	1	74	21.62	21.64	21.53	22.5	3	
15	64QAM	36	0	20.72	20.80	20.81			
15	64QAM	36	20	20.95	20.91	20.85			
15	64QAM	36	39	20.84	20.66	21.05	22.5	3	
15	64QAM	75	0	20.89	20.96	20.63			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615	25.5	0	
10	QPSK	1	0	23.95	24.00	23.96			
10	QPSK	1	25	23.89	23.77	23.81	24.5	1	
10	QPSK	1	49	23.80	23.81	23.78			
10	QPSK	25	0	22.81	22.85	22.73			
10	QPSK	25	12	22.74	22.74	22.85	24.5	1	
10	QPSK	25	25	22.85	22.82	22.92			
10	QPSK	50	0	22.62	22.86	22.85			
10	16QAM	1	0	22.71	22.76	22.64	24.5	1	
10	16QAM	1	25	22.70	22.78	22.76			
10	16QAM	1	49	22.78	22.64	22.75			
10	16QAM	25	0	21.67	21.89	21.85	23.5	2	
10	16QAM	25	12	21.59	21.79	21.67			
10	16QAM	25	25	21.57	21.52	21.59			
10	16QAM	50	0	21.56	21.62	21.82	23.5	2	
10	64QAM	1	0	21.67	21.89	21.56			
10	64QAM	1	25	21.84	21.53	21.50			
10	64QAM	1	49	21.59	21.57	21.57	22.5	3	
10	64QAM	25	0	20.78	20.83	20.90			
10	64QAM	25	12	20.89	20.89	20.87			
10	64QAM	25	25	20.82	20.62	21.06	22.5	3	
10	64QAM	50	0	20.86	20.93	20.68			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5	25.5	0	
5	QPSK	1	0	23.92	23.90	23.91			
5	QPSK	1	12	23.85	23.75	23.80	24.5	1	
5	QPSK	1	24	23.79	23.87	23.79			
5	QPSK	12	0	22.74	22.85	22.75			
5	QPSK	12	7	22.73	22.74	22.84	24.5	1	
5	QPSK	12	13	22.90	22.82	22.97			
5	QPSK	25	0	22.59	22.80	22.87			
5	16QAM	1	0	22.73	22.76	22.63	24.5	1	
5	16QAM	1	12	22.63	22.75	22.77			
5	16QAM	1	24	22.71	22.66	22.72			
5	16QAM	12	0	21.70	21.86	21.88	23.5	2	
5	16QAM	12	7	21.63	21.78	21.71			
5	16QAM	12	13	21.59	21.84	21.62			
5	16QAM	25	0	21.64	21.54	21.50	23.5	2	
5	64QAM	1	0	21.68	21.50	21.59			
5	64QAM	1	12	21.85	21.58	21.85			
5	64QAM	1	24	21.52	21.61	21.52	22.5	3	
5	64QAM	12	0	20.75	20.77	20.89			
5	64QAM	12	7	20.92	20.97	20.85			
5	64QAM	12	13	20.82	20.67	21.13	22.5	3	
5	64QAM	25	0	20.84	20.92	20.64			

Band 41 Ant1 Default power										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	25.5	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.93	23.99	24.12	24.02	24.07	24.5	1
20	QPSK	1	49	23.83	23.90	23.97	23.91	23.92		
20	QPSK	1	99	23.81	23.84	23.91	23.76	23.78		
20	QPSK	50	0	22.97	23.01	23.08	22.93	22.95	24.5	1
20	QPSK	50	24	22.95	22.96	23.07	22.95	22.98		
20	QPSK	50	50	22.93	22.98	23.04	22.94	22.94		
20	QPSK	100	0	23.04	23.02	23.09	23.03	23.00	24.5	1
20	16QAM	1	0	23.00	23.02	23.15	23.09	23.12		
20	16QAM	1	49	23.07	22.97	23.11	22.98	23.03		
20	16QAM	1	99	22.87	22.88	23.01	22.94	22.87	23.5	2
20	16QAM	50	0	21.95	21.98	22.09	22.04	21.99		
20	16QAM	50	24	22.02	21.96	22.08	21.94	21.95		
20	16QAM	50	50	21.98	21.92	22.05	21.99	21.92	23.5	2
20	16QAM	100	0	21.97	21.96	22.09	22.02	21.97		
20	64QAM	1	0	21.91	21.87	22.00	21.89	21.92		
20	64QAM	1	49	21.90	21.87	22.02	21.90	21.88	23.5	2
20	64QAM	1	99	21.81	21.83	21.94	21.79	21.80		
20	64QAM	50	0	21.00	20.90	21.04	20.95	21.00		
20	64QAM	50	24	20.88	20.82	20.97	20.86	20.89	22.5	3
20	64QAM	50	50	20.93	20.91	21.03	20.93	20.98		
20	64QAM	100	0	20.92	20.89	21.00	20.89	20.93		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	25.50	0
15	QPSK	1	0	23.81	23.87	24.03	23.95	23.94		
15	QPSK	1	37	23.73	23.82	23.87	23.83	23.79		
15	QPSK	1	74	23.69	23.75	23.79	23.72	23.70	24.5	1
15	QPSK	36	0	22.92	22.94	23.00	22.83	22.89		
15	QPSK	36	20	22.82	22.84	23.02	22.84	22.94		
15	QPSK	36	39	22.88	22.91	22.97	22.90	22.85	24.5	1
15	QPSK	75	0	22.94	22.97	22.95	22.96	22.94		
15	16QAM	1	0	22.89	22.98	23.06	22.95	23.08		
15	16QAM	1	37	23.03	22.90	23.06	22.86	22.90	24.5	1
15	16QAM	1	74	22.81	22.83	22.90	22.89	22.83		
15	16QAM	36	0	21.86	21.94	22.01	21.92	21.93		
15	16QAM	36	20	21.97	21.90	21.97	21.85	21.86	23.5	2
15	16QAM	36	39	21.88	21.85	21.94	21.92	21.77		
15	16QAM	75	0	21.82	21.87	22.00	21.97	21.91		
15	64QAM	1	0	21.87	21.77	21.94	21.80	21.79	23.5	2
15	64QAM	1	37	21.77	21.73	21.91	21.77	21.78		
15	64QAM	1	74	21.72	21.75	21.87	21.66	21.77		
15	64QAM	36	0	20.87	20.78	20.90	20.89	20.94	22.5	3
15	64QAM	36	20	20.83	20.74	20.87	20.79	20.83		
15	64QAM	36	39	20.86	20.83	20.95	20.80	20.90		
15	64QAM	75	0	20.85	20.78	20.88	20.74	20.89		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685	25.50	0
10	QPSK	1	0	23.86	23.94	24.00	23.89	23.96		
10	QPSK	1	25	23.80	23.76	23.90	23.86	23.88		
10	QPSK	1	49	23.71	23.80	23.82	23.63	23.72	24.5	1
10	QPSK	25	0	22.83	22.95	22.96	22.85	22.83		
10	QPSK	25	12	22.84	22.91	22.99	22.89	22.94		
10	QPSK	25	25	22.87	22.85	22.93	22.88	22.91	24.5	1
10	QPSK	50	0	22.96	22.93	22.99	23.00	22.93		
10	16QAM	1	0	22.87	22.95	23.02	22.97	23.02		
10	16QAM	1	25	22.99	22.85	23.03	22.86	22.88	23.5	2
10	16QAM	1	49	22.75	22.81	22.92	22.83	22.74		
10	16QAM	25	0	21.91	21.87	22.05	22.00	21.87		
10	16QAM	25	12	21.93	21.88	22.00	21.86	21.86	23.5	2
10	16QAM	25	25	21.94	21.87	22.01	21.86	21.79		
10	16QAM	50	0	21.82	21.88	22.03	21.91	21.94		
10	64QAM	1	0	21.86	21.78	21.88	21.83	21.86	23.5	2
10	64QAM	1	25	21.77	21.77	21.87	21.78	21.76		
10	64QAM	1	49	21.77	21.74	21.89	21.64	21.72		
10	64QAM	25	0	20.90	20.82	20.92	20.83	20.94	22.5	3
10	64QAM	25	12	20.80	20.68	20.86	20.79	20.83		
10	64QAM	25	25	20.84	20.76	20.95	20.90	20.91		
10	64QAM	50	0	20.84	20.81	20.86	20.76	20.85		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	25.50	0
5	QPSK	1	0	23.81	23.85	23.98	23.92	23.93		
5	QPSK	1	12	23.79	23.85	23.88	23.82	23.78		
5	QPSK	1	24	23.73	23.77	23.80	23.68	23.69	24.5	1
5	QPSK	12	0	22.84	22.89	22.98	22.78	22.82		
5	QPSK	12	7	22.81	22.88	23.01	22.84	22.91		
5	QPSK	12	13	22.86	22.88	22.92	22.81	22.85	24.5	1
5	QPSK	25	0	22.95	22.89	23.05	22.99	22.94		
5	16QAM	1	0	22.90	22.98	23.02	23.01	22.98		
5	16QAM	1	12	22.96	22.91	23.04	22.87	22.90	24.5	1
5	16QAM	1	24	22.73	22.78	22.96	22.89	22.78		
5	16QAM	12	0	21.88	21.91	22.01	21.92	21.93		
5	16QAM	12	7	21.90	21.89	22.00	21.80	21.87	23.5	2
5	16QAM	12	13	21.92	21.83	21.97	21.94	21.85		
5	16QAM	25	0	21.92	21.81	22.02	21.92	21.89		
5	64QAM	1	0	21.88	21.74	21.91	21.83	21.85	23.5	2
5	64QAM	1	12	21.85	21.78	21.96	21.80	21.81		
5	64QAM	1	24	21.71	21.75	21.88	21.65	21.74		
5	64QAM	12	0	20.89	20.77	20.97	20.85	20.91	22.5	3
5	64QAM	12	7	20.73	20.76	20.92	20.80	20.79		
5	64QAM	12	13	20.83	20.82	20.95	20.79	20.94		
5	64QAM	25	0	20.81	20.76	20.93	20.77	20.86		

Band 7 Ant2 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				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	23.32	23.48	23.37	24.5	0	
20	QPSK	1	49	23.28	23.21	23.34			
20	QPSK	1	99	23.22	23.35	23.41			
20	QPSK	50	0	22.39	22.57	22.43	23.5	1	
20	QPSK	50	24	22.36	22.38	22.44			
20	QPSK	50	50	22.25	22.32	22.38			
20	QPSK	100	0	22.27	22.54	22.40	23.5	1	
20	16QAM	1	0	22.58	22.46	22.60			
20	16QAM	1	49	22.52	22.43	22.57			
20	16QAM	1	99	22.40	22.48	22.35	22.5	2	
20	16QAM	50	0	21.52	21.56	21.45			
20	16QAM	50	24	21.36	21.58	21.35			
20	16QAM	50	50	21.36	21.38	21.43	22.5	2	
20	16QAM	100	0	21.45	21.38	21.39			
20	64QAM	1	0	21.51	21.42	21.48			
20	64QAM	1	49	21.29	21.45	21.28	22.5	2	
20	64QAM	1	99	21.32	21.33	21.38			
20	64QAM	50	0	20.59	20.76	20.63			
20	64QAM	50	24	20.43	20.55	20.51	21.5	3	
20	64QAM	50	50	20.58	20.51	20.54			
20	64QAM	100	0	20.32	20.31	20.39			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	23.24	23.45	23.29	24.5	0	
15	QPSK	1	37	23.29	23.16	23.31			
15	QPSK	1	74	23.21	23.33	23.31			
15	QPSK	36	0	22.39	22.50	22.40	23.5	1	
15	QPSK	36	20	22.32	22.29	22.40			
15	QPSK	36	39	22.22	22.27	22.34			
15	QPSK	75	0	22.25	22.51	22.38	23.5	1	
15	16QAM	1	0	22.54	22.45	22.61			
15	16QAM	1	37	22.44	22.34	22.51			
15	16QAM	1	74	22.33	22.47	22.32	22.5	2	
15	16QAM	36	0	21.46	21.51	21.46			
15	16QAM	36	20	21.34	21.54	21.33			
15	16QAM	36	39	21.37	21.38	21.44	22.5	2	
15	16QAM	75	0	21.40	21.29	21.37			
15	64QAM	1	0	21.41	21.32	21.39			
15	64QAM	1	37	21.19	21.36	21.28	22.5	2	
15	64QAM	1	74	21.23	21.24	21.40			
15	64QAM	36	0	20.61	20.66	20.56			
15	64QAM	36	20	20.40	20.47	20.46	21.5	3	
15	64QAM	36	39	20.55	20.45	20.50			
15	64QAM	75	0	20.32	20.29	20.34			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	23.26	23.40	23.32	24.5	0	
10	QPSK	1	25	23.29	23.14	23.32			
10	QPSK	1	49	23.21	23.36	23.43			
10	QPSK	25	0	22.38	22.57	22.37	23.5	1	
10	QPSK	25	12	22.36	22.29	22.42			
10	QPSK	25	25	22.24	22.30	22.32			
10	QPSK	50	0	22.19	22.54	22.31	23.5	1	
10	16QAM	1	0	22.57	22.42	22.60			
10	16QAM	1	25	22.48	22.39	22.56			
10	16QAM	1	49	22.36	22.49	22.35	22.5	2	
10	16QAM	25	0	21.50	21.52	21.46			
10	16QAM	25	12	21.35	21.55	21.32			
10	16QAM	25	25	21.35	21.29	21.44	22.5	2	
10	16QAM	50	0	21.37	21.40	21.30			
10	64QAM	1	0	21.44	21.33	21.47			
10	64QAM	1	25	21.30	21.47	21.20	21.5	3	
10	64QAM	1	49	21.31	21.33	21.32			
10	64QAM	25	0	20.54	20.75	20.65			
10	64QAM	25	12	20.36	20.50	20.48	21.5	3	
10	64QAM	25	25	20.58	20.46	20.48			
10	64QAM	50	0	20.34	20.30	20.35			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	23.29	23.38	23.35	24.5	0	
5	QPSK	1	12	23.29	23.22	23.26			
5	QPSK	1	24	23.19	23.35	23.42			
5	QPSK	12	0	22.31	22.55	22.36	23.5	1	
5	QPSK	12	7	22.33	22.37	22.41			
5	QPSK	12	13	22.24	22.33	22.35			
5	QPSK	25	0	22.18	22.46	22.36	23.5	1	
5	16QAM	1	0	22.55	22.45	22.54			
5	16QAM	1	12	22.45	22.34	22.54			
5	16QAM	1	24	22.32	22.43	22.33	22.5	2	
5	16QAM	12	0	21.46	21.52	21.42			
5	16QAM	12	7	21.35	21.49	21.36			
5	16QAM	12	13	21.30	21.36	21.37	22.5	2	
5	16QAM	25	0	21.41	21.33	21.30			
5	64QAM	1	0	21.51	21.42	21.47			
5	64QAM	1	12	21.22	21.43	21.26	21.5	3	
5	64QAM	1	24	21.33	21.24	21.31			
5	64QAM	12	0	20.54	20.77	20.63			
5	64QAM	12	7	20.41	20.48	20.45	21.5	3	
5	64QAM	12	13	20.57	20.43	20.46			
5	64QAM	25	0	20.33	20.29	20.38			

GSM850 Ant4 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	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)								
GSM 1 Tx slot	33.01	33.07	32.85	33.50	24.01	24.07	23.85	24.50
GPRS 1 Tx slot	33.11	33.12	33.09	33.50	24.11	24.12	24.09	24.50
GPRS 2 Tx slots	30.46	30.61	30.52	31.00	24.46	24.61	24.52	25.00
GPRS 3 Tx slots	29.23	29.26	29.19	29.50	24.97	25.00	24.93	25.24
GPRS 4 Tx slots	27.66	27.68	27.67	28.00	24.66	24.68	24.67	25.00
EDGE 1 Tx slot	27.79	27.82	27.73	28.50	18.79	18.82	18.73	19.50
EDGE 2 Tx slots	25.03	25.07	24.95	25.50	19.03	19.07	18.95	19.50
EDGE 3 Tx slots	23.11	23.04	22.85	24.00	18.85	18.78	18.59	19.74
EDGE 4 Tx slots	21.98	21.92	21.76	22.50	18.98	18.92	18.76	19.50

GSM1900 Ant4 Default power

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	1559.2	1650	1699.6		1559.2	1650	1699.6	
Frequency (MHz)								
GSM 1 Tx slot	29.54	29.74	29.59	30.50	20.54	20.74	20.58	21.50
GPRS 1 Tx slot	29.62	29.79	29.59	30.50	20.62	20.79	20.59	21.50
GPRS 2 Tx slots	26.04	26.22	26.03	27.50	20.04	20.22	20.03	21.50
GPRS 3 Tx slots	24.22	24.21	24.21	26.00	19.96	19.95	19.95	21.74
GPRS 4 Tx slots	23.21	23.25	23.24	24.50	20.21	20.25	20.24	21.50
EDGE 1 Tx slot	26.08	26.08	26.00	27.50	17.08	17.08	17.00	18.50
EDGE 2 Tx slots	23.09	23.14	23.14	24.50	17.09	17.14	17.14	18.50
EDGE 3 Tx slots	21.87	21.96	21.86	23.00	17.61	17.70	17.60	18.74
EDGE 4 Tx slots	20.61	20.69	20.53	21.50	17.61	17.69	17.53	18.50

WCDMA II Ant4 Default power

WCDMA IV Ant4 Default power

WCDMA V Ant4 Default power

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4468	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.98	24.06	24.02	25.00	23.78	23.81	23.77	25.00	24.08	24.22	24.15	25.50
3GPP Rel 99	RMC 12.2Kbps	24.06	24.12	24.08	25.00	23.86	23.87	23.84	25.00	24.28	24.31	24.29	25.50
3GPP Rel 6	HSDPA Subtest-1	23.13	23.02	22.99	24.00	22.90	22.83	22.70	24.00	23.24	23.48	23.33	24.50
3GPP Rel 6	HSDPA Subtest-2	22.94	22.86	22.98	24.00	22.86	22.84	22.83	24.00	23.24	23.18	23.47	24.50
3GPP Rel 6	HSDPA Subtest-3	22.66	22.53	22.57	23.50	22.39	22.20	22.38	23.50	22.80	22.90	22.89	24.00
3GPP Rel 6	HSDPA Subtest-4	22.80	22.75	22.60	23.50	22.17	22.28	22.20	23.50	22.80	22.68	22.80	24.00
3GPP Rel 8	DC-HSDPA Subtest-1	22.93	23.02	23.11	24.00	22.99	22.99	22.95	24.00	23.22	23.35	23.31	24.50
3GPP Rel 8	DC-HSDPA Subtest-2	22.94	23.08	23.24	24.00	22.89	22.89	22.86	24.00	23.32	23.21	23.35	24.50
3GPP Rel 8	DC-HSDPA Subtest-3	22.63	22.64	22.60	23.50	22.37	22.33	22.29	23.50	22.70	22.96	22.73	24.00
3GPP Rel 8	DC-HSDPA Subtest-4	22.47	22.76	22.70	23.50	22.36	22.24	22.39	23.50	22.77	22.98	22.84	24.00
3GPP Rel 6	HSUPA Subtest-1	22.88	23.21	22.97	24.00	22.93	22.74	22.74	24.00	23.26	23.24	23.35	24.50
3GPP Rel 6	HSUPA Subtest-2	20.96	21.11	21.20	22.00	20.80	20.86	20.93	22.00	21.18	21.25	21.31	22.50
3GPP Rel 6	HSUPA Subtest-3	21.93	22.12	21.93	23.00	21.80	21.69	21.67	23.00	22.31	22.32	22.27	23.50
3GPP Rel 6	HSUPA Subtest-4	21.13	21.21	21.15	22.00	20.88	20.90	20.72	22.00	21.35	21.43	21.34	22.50
3GPP Rel 6	HSUPA Subtest-5	23.00	23.13	23.06	24.00	22.68	23.01	22.89	24.00	23.12	23.29	23.43	24.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.45	20.52	20.55	21.50	20.36	20.38	20.35	21.50	20.87	20.87	20.90	22.00

Reduced power level for WWAN—DSI 1

GSM850 Ant1 Default power						
GSM850		Burst Average Power (dBm)			Tune-up	
TX Channel		128	189	251	Limit	Limit
Frequency (MHz)		824.2	836.4	848.8	824.2	836.4
GSM 1 Tx slot		32.60	32.76	32.75	33.50	23.60
GPRS 1 Tx slot		32.69	32.78	32.69	33.50	23.69
GPRS 2 Tx slots		30.09	30.29	30.29	31.00	24.09
GPRS 3 Tx slots		29.10	29.22	29.03	29.50	24.84
GPRS 4 Tx slots		27.05	27.14	27.03	28.00	24.05
EDGE 1 Tx slot		27.03	27.18	27.01	28.50	18.03
EDGE 2 Tx slots		24.22	24.41	24.43	25.50	18.22
EDGE 3 Tx slots		22.15	22.38	22.27	24.00	17.89
EDGE 4 Tx slots		21.08	21.15	20.94	22.50	18.08

GSM1900 Ant1 Default power						
GSM1900		Burst Average Power (dBm)			Tune-up	
TX Channel		512	661	810	Limit	Limit
Frequency (MHz)		1850.2	1880	1909.8	1850.2	1880
GSM 1 Tx slot		29.81	29.87	29.76	30.50	20.81
GPRS 1 Tx slot		29.83	29.89	29.84	30.50	20.83
GPRS 2 Tx slots		26.24	26.28	26.15	27.50	20.24
GPRS 3 Tx slots		24.16	24.23	24.21	26.00	19.90
GPRS 4 Tx slots		23.07	23.25	23.26	24.50	20.07
EDGE 1 Tx slot		26.34	26.48	26.47	27.50	17.34
EDGE 2 Tx slots		23.21	23.20	23.05	24.50	17.21
EDGE 3 Tx slots		22.18	22.18	22.10	23.00	17.92
EDGE 4 Tx slots		20.86	21.02	20.89	21.50	17.86

WCDMA # Ant1 Default power						
Band		WCDMA #			Tune-up	
TX Channel		9262	9400	9538	Limit	Limit
Rx Channel		9682	9800	9938	Limit	Limit
Frequency (MHz)		1852.4	1880	1907.6	1712.4	1732.6
3GPP Rel 99		23.56	23.63	23.59	25.00	23.44
3GPP Rel 99		23.57	23.64	23.61	25.00	23.51
3GPP Rel 6		22.37	22.53	22.65	24.00	22.69
3GPP Rel 6		22.64	22.44	22.39	24.00	22.77
3GPP Rel 6		22.07	22.24	22.04	23.50	22.11
3GPP Rel 6		22.02	22.13	21.87	23.50	22.24
3GPP Rel 8		22.71	22.58	22.60	24.00	22.76
3GPP Rel 8		22.41	22.70	22.42	24.00	22.70
3GPP Rel 8		22.29	22.27	22.18	23.50	22.27
3GPP Rel 8		21.91	22.26	22.04	23.50	22.39
3GPP Rel 6		22.48	22.63	22.68	24.00	22.59
3GPP Rel 6		20.74	20.59	20.54	22.00	20.73
3GPP Rel 6		21.55	21.92	21.46	23.00	21.85
3GPP Rel 6		20.41	20.57	20.24	22.00	20.78
3GPP Rel 6		22.52	22.78	22.74	24.00	22.63
3GPP Rel 7		19.86	19.98	20.00	21.50	20.03

WCDMA # Ant1 Default power

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Band 2 Ant1 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)				1850	1860	1870			
20	QPSK	1	0	23.69	23.75	23.80			
20	QPSK	1	49	23.63	23.56	23.63		25	0
20	QPSK	1	99	23.47	23.51	23.56			
20	QPSK	50	0	22.55	22.67	22.53			
20	QPSK	50	24	22.39	22.45	22.47		24	1
20	QPSK	50	50	22.53	22.49	22.58			
20	QPSK	100	0	22.29	22.53	22.50			
20	16QAM	1	0	22.43	22.40	22.30			
20	16QAM	1	49	22.35	22.39	22.37		24	1
20	16QAM	1	99	22.24	22.22	22.28			
20	16QAM	50	0	21.47	21.57	21.53			
20	16QAM	50	24	21.51	21.56	21.58			
20	16QAM	50	50	21.42	21.33	21.41		23	2
20	16QAM	100	0	21.56	21.38	21.39			
20	64QAM	1	0	21.41	21.44	21.35			
20	64QAM	1	49	21.55	21.43	21.47		23	2
20	64QAM	1	99	21.48	21.49	21.50			
20	64QAM	50	0	20.51	20.48	20.55			
20	64QAM	50	24	20.56	20.63	20.53			
20	64QAM	50	50	20.41	20.53	20.55		22	3
20	64QAM	100	0	20.53	20.57	20.50			
Channel									
Frequency (MHz)				1857.5	1880	1902.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	23.62	23.60	23.45			
15	QPSK	1	37	23.57	23.52	23.49		25	0
15	QPSK	1	74	23.36	23.40	23.44			
15	QPSK	36	0	22.30	22.64	22.47			
15	QPSK	36	20	22.30	22.32	22.44		24	1
15	QPSK	36	39	22.46	22.43	22.53			
15	QPSK	75	0	22.16	22.45	22.36			
15	16QAM	1	0	22.31	22.33	22.20			
15	16QAM	1	37	22.27	22.25	22.28		24	1
15	16QAM	1	74	22.12	22.19	22.22			
15	16QAM	36	0	21.38	21.49	21.46			
15	16QAM	36	20	21.39	21.52	21.48		23	2
15	16QAM	36	39	21.31	21.27	21.37			
15	16QAM	75	0	21.53	21.31	21.24			
15	64QAM	1	0	21.29	21.34	21.28			
15	64QAM	1	37	21.41	21.37	21.40		23	2
15	64QAM	1	74	21.44	21.45	21.42			
15	64QAM	36	0	20.43	20.40	20.53			
15	64QAM	36	20	20.53	20.60	20.49		22	3
15	64QAM	36	39	20.34	20.46	20.50			
15	64QAM	75	0	20.50	20.49	20.38			
Channel									
Frequency (MHz)				1855	1880	1905	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	23.58	23.62	23.51			
10	QPSK	1	25	23.54	23.44	23.53		25	0
10	QPSK	1	49	23.41	23.39	23.52			
10	QPSK	25	0	22.51	22.58	22.40			
10	QPSK	25	12	22.29	22.32	22.28		24	1
10	QPSK	25	25	22.39	22.45	22.48			
10	QPSK	50	0	22.22	22.42	22.43			
10	16QAM	1	0	22.33	22.37	22.21			
10	16QAM	1	25	22.29	22.33	22.34		24	1
10	16QAM	1	49	22.14	22.09	22.23			
10	16QAM	25	0	21.36	21.45	21.42			
10	16QAM	25	12	21.46	21.49	21.54		23	2
10	16QAM	25	25	21.33	21.26	21.29			
10	16QAM	50	0	21.45	21.31	21.35			
10	64QAM	1	0	21.29	21.36	21.23		23	2
10	64QAM	1	25	21.40	21.37	21.40			
10	64QAM	1	49	21.44	21.46	21.41			
10	64QAM	25	0	20.37	20.44	20.61			
10	64QAM	25	12	20.45	20.56	20.50		22	3
10	64QAM	25	25	20.32	20.41	20.45			
10	64QAM	50	0	20.48	20.45	20.44			
Channel									
Frequency (MHz)				1852.5	18900	19175	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	23.64	23.64	23.47			
5	QPSK	1	12	23.30	23.53	23.35		25	0
5	QPSK	1	24	23.41	23.44	23.46			
5	QPSK	12	0	22.45	22.60	22.47			
5	QPSK	12	7	22.31	22.35	22.35		24	1
5	QPSK	12	13	22.48	22.41	22.54			
5	QPSK	25	0	22.24	22.48	22.36			
5	16QAM	1	0	22.32	22.33	22.21			
5	16QAM	1	12	22.23	22.32	22.29		24	1
5	16QAM	1	24	22.17	22.14	22.18			
5	16QAM	12	0	21.36	21.43	21.38			
5	16QAM	12	7	21.36	21.53	21.50		23	2
5	16QAM	12	13	21.36	21.27	21.31			
5	16QAM	25	0	21.52	21.28	21.30			
5	64QAM	1	0	21.26	21.34	21.31			
5	64QAM	1	12	21.45	21.34	21.37		23	2
5	64QAM	1	24	21.34	21.42	21.44			
5	64QAM	12	0	20.40	20.35	20.50			
5	64QAM	12	7	20.45	20.50	20.42		22	3
5	64QAM	12	13	20.28	20.41	20.46			
5	64QAM	25	0	20.40	20.53	20.46			
Channel									
Frequency (MHz)				1851.5	1880	1908.5	Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	23.65	23.62	23.47			
3	QPSK	1	8	23.51	23.45	23.58		25	0
3	QPSK	1	14	23.44	23.42	23.42			
3	QPSK	8	0	22.45	22.58	22.44			
3	QPSK	8	4	22.36	22.41	22.33		24	1
3	QPSK	8	7	22.45	22.36	22.44			
3	QPSK	15	0	22.24	22.46	22.37			
3	16QAM	1	0	22.35	22.31	22.16			
3	16QAM	1	8	22.32	22.27	22.30		24	1
3	16QAM	1	14	22.17	22.08	22.20			
3	16QAM	8	0	21.43	21.43	21.47			
3	16QAM	8	4	21.47	21.49	21.54		23	2
3	16QAM	8	7	21.28	21.29	21.37			
3	16QAM	15	0	21.45	21.30	21.24			
3	64QAM	1	0	21.32	21.39	21.22			
3	64QAM	1	8	21.47	21.29	21.41		23	2
3	64QAM	1	14	21.39	21.37	21.46			
3	64QAM	8	0	20.38	20.41	20.53			
3	64QAM	8	4	20.43	20.49	20.39		22	3
3	64QAM	8	7	20.30	20.49	20.50			
3	64QAM	15	0	20.39	20.46	20.46			
Channel									
Frequency (MHz)				1859.7	18900	1909.3	Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	23.65	23.59	23.55			
1.4	QPSK	1	3	23.52	23.46	23.51		25	0
1.4	QPSK	1	5	23.43	23.39	23.43			
1.4	QPSK	3	0	23.48	23.64	23.44			
1.4	QPSK	3	1	23.27	23.33	23.36		24	1
1.4	QPSK	3	3	23.44	23.43	23.51			
1.4	16QAM	1	0	22.17	22.47	22.44			
1.4	16QAM	1	0	22.32	22.27	22.17		24	1
1.4	16QAM	1	3	22.21	22.36	22.26			
1.4	16QAM	1	5	22.12	22.11	22.18		24	1
1.4	16QAM	3	0	22.40	22.51	22.42			
1.4	16QAM	3	1	22.45	22.44	22.50			
1.4	16QAM	3	3	22.33	22.22	22.29		23	2
1.4	16QAM	6	0	21.42	21.35	21.32			
1.4	64QAM	1	0	21.30	21.39	21.26			
1.4	64QAM	1	3	21.44	21.32	21.34			
1.4	64QAM	1	5	21.36	21.36	21.45		23	2
1.4	64QAM	3	0	21.36	21.35	21.53			
1.4	64QAM	3	1	21.49	21.49	21.49			
1.4	64QAM	3	3	21.29	21.43	21.52			
1.4	64QAM	6	0	20.50	20.53	20.43		22	3

Band 4 Ant1 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)				20050	20175	20300			
20	QPSK	1	0	23.54	23.55	23.42			
20	QPSK	1	49	23.48	23.40	23.49		25	0
20	QPSK	1	99	23.33	23.37	23.34			
20	QPSK	50	0	22.37	22.52	22.39			
20	QPSK	50	24	22.27	22.24	22.33		24	1
20	QPSK	50	50	22.39	22.33	22.37			
20	QPSK	100	0	22.11	22.40	22.32			
20	16QAM	1	0	22.50	22.51	22.44			
20	16QAM	1	49	22.45	22.36	22.48		24	1
20	16QAM	1	99	22.36	22.39	22.31			
20	16QAM	50	0	21.36	21.48	21.36			
20	16QAM	50	24	21.28	21.23	21.38		23	2
20	16QAM	50	50	21.36	21.30	21.40			
20	16QAM	100	0	21.14	21.38	21.37			
20	64QAM	1	0	21.54	21.55	21.42			
20	64QAM	1	49	21.43	21.32	21.40		23	2
20	64QAM	1	99	21.31	21.40	21.28			
20	64QAM	50	0	20.41	20.44	20.40			
20	64QAM	50	24	20.33	20.19	20.45		22	3
20	64QAM	50	50	20.36	20.30	20.39			
20	64QAM	100	0	20.13	20.41	20.39			
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1732.5	1747.5			
15	QPSK	1	0	23.49	23.42	23.29		25	0
15	QPSK	1	37	23.45	23.38	23.42			
15	QPSK	1	74	23.28	23.24	23.27			
15	QPSK	36	0	22.30	22.41	22.24		24	1
15	QPSK	36	20	22.23	22.12	22.19			
15	QPSK	36	39	22.34	22.29	22.29			
15	QPSK	75	0	22.00	22.26	22.18			
15	16QAM	1	0	22.00	22.02	22.32		24	1
15	16QAM	1	37	22.35	22.27	22.35			
15	16QAM	1	74	22.25	22.36	22.27			
15	16QAM	36	0	21.30	21.38	21.29		23	2
15	16QAM	36	20	21.21	21.15	21.30			
15	16QAM	36	39	21.29	21.21	21.36			
15	16QAM	75	0	21.07	21.25	21.25			
15	64QAM	1	0	21.43	21.44	21.36		23	1
15	64QAM	1	37	21.40	21.41	21.31			
15	64QAM	1	74	21.19	21.33	21.24		22	3
15	64QAM	36	0	20.35	20.33	20.27			
15	64QAM	36	20	20.26	20.09	20.38			
15	64QAM	36	39	20.35	20.31	20.40			
15	64QAM	75	0	20.07	20.32	20.27			
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715 <th>1732.5</th> <th>1750</th> <th></th> <th></th> <th></th>	1732.5	1750			
10	QPSK	1	0	23.42	23.47	23.34		25	0
10	QPSK	1	25	23.44	23.28	23.46			
10	QPSK	1	49	23.10	23.26	23.21		24	1
10	QPSK	25	0	22.32	22.38	22.43			
10	QPSK	25	12	22.14	22.14	22.28			
10	QPSK	25	25	22.36	22.28	22.35		24	1
10	QPSK	50	0	22.07	22.36	22.20			
10	16QAM	1	0	22.45	22.47	22.35		24	1
10	16QAM	1	25	22.33	22.28	22.43			
10	16QAM	1	49	22.31	22.31	22.27		23	2
10	16QAM	25	0	21.30	21.44	21.31			
10	16QAM	25	12	21.17	21.10	21.24			
10	16QAM	25	25	21.22	21.25	21.27		22	3
10	16QAM	50	0	21.08	21.22	21.28			
10	64QAM	1	0	21.43	21.46	21.38		23	2
10	64QAM	1	25	21.34	21.23	21.37			
10	64QAM	1	49	21.27	21.32	21.23		22	3
10	64QAM	25	0	20.26	20.38	20.26			
10	64QAM	25	12	20.23	20.14	20.32			
10	64QAM	25	25	20.20	20.23	20.42			
10	64QAM	50	0	20.04	20.20	20.35			
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1732.5	1752.5			
5	QPSK	1	0	23.47	23.43	23.32		25	0
5	QPSK	1	12	23.42	23.34	23.39			
5	QPSK	1	24	23.27	23.25	23.23		24	1
5	QPSK	12	0	22.32	22.38	22.27			
5	QPSK	12	7	22.17	22.15	22.18		24	1
5	QPSK	12	13	22.35	22.29	22.34			
5	QPSK	25	0	22.00	22.27	22.17		24	1
5	16QAM	1	0	22.47	22.43	22.39			
5	16QAM	1	12	22.31	22.30	22.35		23	2
5	16QAM	1	24	22.31	22.27	22.19			
5	16QAM	12	0	21.26	21.40	21.24			
5	16QAM	12	7	21.25	21.12	21.24		23	2
5	16QAM	12	13	21.24	21.16	21.27			
5	16QAM	25	0	21.05	21.28	21.23		23	2
5	64QAM	1	0	21.45	21.46	21.35			
5	64QAM	1	12	21.32	21.33	21.37		23	2
5	64QAM	1	24	21.12	21.35	21.27			
5	64QAM	12	0	20.37	20.37	20.27		22	3
5	64QAM	12	7	20.27	20.11	20.35			
5	64QAM	12	13	20.30	20.23	20.38			
5	64QAM	25	0	20.07	20.30	20.33			
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1732.5	1753.5			
3	QPSK	1	0	23.41	23.45	23.31		25	0
3	QPSK	1	8	23.34	23.31	23.45			
3	QPSK	1	14	23.23	23.22	23.23		24	1
3	QPSK	8	0	22.26	22.40	22.35			
3	QPSK	8	4	22.13	22.14	22.21			
3	QPSK	8	7	22.27	22.23	22.23		23	2
3	QPSK	15	0	22.04	22.30	22.21			
3	16QAM	1	0	22.43	22.48	22.31		24	1
3	16QAM	1	8	22.34	22.24	22.37			
3	16QAM	1	14	22.27	22.29	22.19			
3	16QAM	8	0	21.32	21.43	21.29		23	2
3	16QAM	8	4	21.16	21.15	21.25			
3	16QAM	8	7	21.33	21.21	21.30			
3	16QAM	15	0	21.00	21.26	21.29		23	2
3	64QAM	1	0	21.45	21.49	21.29			
3	64QAM	1	8	21.38	21.20	21.35		22	3
3	64QAM	1	14	21.22	21.37	21.14			
3	64QAM	8	0	20.28	20.29	20.29			
3	64QAM	8	4	20.26	20.14	20.40			
3	64QAM	8	7	20.32	20.33	20.33			
3	64QAM	15	0	19.97	20.30	20.33			
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1732.5	1754.3			
1.4	QPSK	1	0	23.44	23.45	23.35		25	0
1.4	QPSK	1	3	23.35	23.29	23.43			
1.4	QPSK	1	5	23.21	23.23	23.19		24	1
1.4	QPSK	3	0	23.29	23.45	23.28			
1.4	QPSK	3	1	23.19	23.15	23.26		24	1
1.4	QPSK	3	3	23.35	23.22	23.30			
1.4	16QAM	1	0	22.44	22.42	22.31		24	1
1.4	16QAM	1	3	22.31	22.21	22.39			
1.4	16QAM	1	5	22.31	22.30	22.23		23	2
1.4	16QAM	3	0	22.24	22.34	22.31			
1.4	16QAM	3	1	22.15	22.14	22.30			
1.4	16QAM	3	3	22.33	22.22	22.27		23	2
1.4	16QAM	6	0	21.04	21.23	21.31			
1.4	64QAM	1	0	21.46	21.40	21.37			
1.4	64QAM	1	3	21.28	21.28	21.38		22	3
1.4	64QAM	1	5	21.27	21.38	21.24			
1.4	64QAM	3	0	21.31	21.40	21.37			
1.4	64QAM	3	1	21.18	21.08	21.36			
1.4	64QAM	3	3	21.32	21.25	21.36			
1.4	64QAM	6	0	20.05	20.28	20.30		22	3

Band 5 Ant1 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				20450	20525	20600			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	23.95	23.99	23.81	25.5	0	
10	QPSK	1	25	23.96	23.82	23.94			
10	QPSK	1	49	23.71	23.80	23.74			
10	QPSK	25	0	22.84	22.96	22.85	24.5	1	
10	QPSK	25	12	22.72	22.69	22.81			
10	QPSK	25	25	22.79	22.76	22.85			
10	QPSK	50	0	22.76	22.83	22.73	24.5	1	
10	16QAM	1	0	22.98	23.07	22.86			
10	16QAM	1	25	23.04	22.92	22.99			
10	16QAM	1	49	22.89	22.82	22.84	23.5	2	
10	16QAM	25	0	21.94	22.02	21.89			
10	16QAM	25	12	21.81	21.76	21.86			
10	16QAM	25	25	21.87	21.79	21.91	23.5	2	
10	16QAM	50	0	21.82	21.84	21.76			
10	64QAM	1	0	22.07	22.12	21.86			
10	64QAM	1	25	22.07	22.04	22.04	23.5	2	
10	64QAM	1	49	21.85	21.86	21.93			
10	64QAM	25	0	20.95	21.07	20.95			
10	64QAM	25	12	20.81	20.87	20.90	22.5	3	
10	64QAM	25	25	20.96	20.87	21.01			
10	64QAM	50	0	20.85	20.91	20.82			
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	0	23.89	23.93	23.73	25.5	0	
5	QPSK	1	12	23.88	23.82	23.86			
5	QPSK	1	24	23.68	23.71	23.76			
5	QPSK	12	0	22.83	22.88	22.79	24.5	1	
5	QPSK	12	7	22.63	22.64	22.73			
5	QPSK	12	13	22.78	22.67	22.81			
5	QPSK	25	0	22.74	22.81	22.73	24.5	1	
5	16QAM	1	0	22.97	23.09	22.84			
5	16QAM	1	12	22.96	22.84	22.90			
5	16QAM	1	24	22.79	22.81	22.78	23.5	2	
5	16QAM	12	0	21.89	22.04	21.81			
5	16QAM	12	7	21.79	21.72	21.82			
5	16QAM	12	13	21.86	21.75	21.84	23.5	2	
5	16QAM	25	0	21.82	21.83	21.69			
5	64QAM	1	0	22.04	22.09	21.81			
5	64QAM	1	12	21.97	21.96	22.00	23.5	2	
5	64QAM	1	24	21.80	21.88	21.83			
5	64QAM	12	0	20.87	21.03	20.89			
5	64QAM	12	7	20.75	20.83	20.80	22.5	3	
5	64QAM	12	13	20.96	20.88	20.93			
5	64QAM	25	0	20.81	20.92	20.84			
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				825.5	836.5	847.5			
3	QPSK	1	0	23.87	23.96	23.79	25.5	0	
3	QPSK	1	8	23.92	23.78	23.88			
3	QPSK	1	14	23.62	23.74	23.70			
3	QPSK	8	0	22.77	22.91	22.78	24.5	1	
3	QPSK	8	4	22.69	22.60	22.73			
3	QPSK	8	7	22.78	22.74	22.78			
3	QPSK	15	0	22.67	22.73	22.70	24.5	1	
3	16QAM	1	0	22.92	23.00	22.86			
3	16QAM	1	8	23.01	22.85	22.94			
3	16QAM	1	14	22.70	22.83	22.86	23.5	2	
3	16QAM	8	0	21.96	21.93	21.83			
3	16QAM	8	4	21.78	21.75	21.82			
3	16QAM	8	7	21.82	21.75	21.91	23.5	2	
3	16QAM	15	0	21.82	21.79	21.76			
3	64QAM	1	0	22.09	22.02	21.88			
3	64QAM	1	8	22.03	21.96	22.05	23.5	2	
3	64QAM	1	14	21.86	21.87	21.89			
3	64QAM	8	0	20.92	21.05	20.86			
3	64QAM	8	4	20.80	20.86	20.82	22.5	3	
3	64QAM	8	7	20.89	20.86	20.91			
3	64QAM	15	0	20.78	20.82	20.80			
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	23.86	23.95	23.72	25.5	0	
1.4	QPSK	1	3	23.87	23.80	23.85			
1.4	QPSK	1	5	23.64	23.74	23.65			
1.4	QPSK	3	0	23.82	23.94	23.83	24.5	1	
1.4	QPSK	3	1	23.64	23.61	23.81			
1.4	QPSK	3	3	23.73	23.74	23.78			
1.4	QPSK	6	0	22.71	22.83	22.67	24.5	1	
1.4	16QAM	1	0	22.90	23.04	22.87			
1.4	16QAM	1	3	23.01	22.94	23.00			
1.4	16QAM	1	5	22.70	22.73	22.78	24.5	1	
1.4	16QAM	3	0	22.95	22.98	22.86			
1.4	16QAM	3	1	22.80	22.67	22.80			
1.4	16QAM	3	3	22.85	22.75	22.88	23.5	2	
1.4	16QAM	6	0	21.80	21.76	21.72			
1.4	64QAM	1	0	22.03	22.13	21.82			
1.4	64QAM	1	3	22.00	21.97	22.03	23.5	2	
1.4	64QAM	1	5	21.84	21.84	21.88			
1.4	64QAM	3	0	21.92	22.05	21.88			
1.4	64QAM	3	1	21.74	21.87	21.91	22.5	3	
1.4	64QAM	3	3	21.92	21.78	21.99			
1.4	64QAM	6	0	20.77	20.82	20.75	22.5	3	

Band 7 Ant1 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				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	24.04	24.09	24.01	25.5	0	
20	QPSK	1	49	24.03	23.99	24.05			
20	QPSK	1	99	23.88	23.93	23.85			
20	QPSK	50	0	22.97	23.07	22.95	24.5	1	
20	QPSK	50	24	22.79	22.75	22.85			
20	QPSK	50	50	22.91	22.91	22.88			
20	QPSK	100	0	22.67	22.90	22.82	24.5	1	
20	16QAM	1	0	22.89	22.68	22.70			
20	16QAM	1	49	22.67	22.75	22.83			
20	16QAM	1	99	22.53	22.97	22.86	23.5	2	
20	16QAM	50	0	21.83	22.04	22.05			
20	16QAM	50	24	21.96	21.89	22.03			
20	16QAM	50	50	21.86	21.65	21.79	23.5	2	
20	16QAM	100	0	21.92	21.55	21.59			
20	64QAM	1	0	21.79	21.86	21.82			
20	64QAM	1	49	21.86	21.73	21.93	23.5	2	
20	64QAM	1	99	21.84	21.86	21.84			
20	64QAM	50	0	20.90	20.91	21.14			
20	64QAM	50	24	20.91	21.01	20.90	22.5	3	
20	64QAM	50	50	20.87	20.65	21.14			
20	64QAM	100	0	20.88	20.88	20.86			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	23.87	23.98	23.82	25.5	0	
15	QPSK	1	37	23.87	23.81	23.86			
15	QPSK	1	74	23.71	23.77	23.69			
15	QPSK	36	0	22.82	22.91	22.82	24.5	1	
15	QPSK	36	20	22.62	22.60	22.68			
15	QPSK	36	39	22.80	22.79	22.72			
15	QPSK	75	0	22.51	22.72	22.72	24.5	1	
15	16QAM	1	0	22.70	22.87	22.52			
15	16QAM	1	37	22.53	22.61	22.73			
15	16QAM	1	74	22.92	22.58	22.96	23.5	2	
15	16QAM	36	0	21.68	21.91	21.85			
15	16QAM	36	20	21.78	21.75	21.87			
15	16QAM	36	39	21.75	21.54	21.69	23.5	2	
15	16QAM	75	0	21.72	21.94	21.90			
15	84QAM	1	0	21.68	21.66	21.67			
15	84QAM	1	37	21.74	21.54	21.79	23.5	2	
15	84QAM	1	74	21.65	21.76	21.71			
15	84QAM	36	0	20.72	20.80	20.98			
15	84QAM	36	20	20.70	20.82	20.78	22.5	3	
15	84QAM	36	39	20.70	20.68	20.76			
15	84QAM	75	0	20.75	20.70	20.65			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	23.85	23.99	23.85	25.5	0	
10	QPSK	1	25	23.83	23.84	23.85			
10	QPSK	1	49	23.74	23.77	23.64			
10	QPSK	25	0	22.85	22.92	22.78	24.5	1	
10	QPSK	25	12	22.66	22.66	22.66			
10	QPSK	25	25	22.73	22.74	22.67			
10	QPSK	25	49	22.99	22.74	22.93	24.5	1	
10	16QAM	1	0	22.72	22.72	22.58			
10	16QAM	1	25	22.55	22.57	22.72			
10	16QAM	1	49	22.99	22.56	22.86	23.5	2	
10	16QAM	25	0	21.66	21.83	21.95			
10	16QAM	25	12	21.78	21.80	21.83			
10	16QAM	25	25	21.68	21.84	21.59	23.5	2	
10	16QAM	50	0	21.76	21.86	21.89			
10	84QAM	1	0	21.65	21.75	21.69			
10	84QAM	1	25	21.67	21.64	21.82	22.5	3	
10	84QAM	1	49	21.69	21.69	21.72			
10	84QAM	25	0	20.73	20.71	21.01			
10	84QAM	25	12	20.81	20.86	20.71	22.5	3	
10	84QAM	25	25	20.71	20.56	20.94			
10	84QAM	50	0	20.79	20.79	20.68			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	23.86	23.91	23.84	25.5	0	
5	QPSK	1	24	23.81	23.86	23.85			
5	QPSK	1	24	23.72	23.75	23.65			
5	QPSK	12	0	22.77	22.86	22.81	24.5	1	
5	QPSK	12	7	22.65	22.65	22.72			
5	QPSK	12	13	22.71	22.76	22.74			
5	QPSK	25	0	22.57	22.76	22.72	24.5	1	
5	16QAM	1	0	22.70	22.57	22.53			
5	16QAM	1	12	22.50	22.58	22.69			
5	16QAM	1	24	22.88	22.56	22.87	23.5	2	
5	16QAM	12	0	21.72	21.86	21.92			
5	16QAM	12	7	21.81	21.79	21.92			
5	16QAM	12	13	21.69	21.51	21.62	23.5	2	
5	16QAM	25	0	21.72	21.91	21.86			
5	64QAM	1	0	21.59	21.71	21.65			
5	84QAM	1	12	21.72	21.55	21.75	23.5	2	
5	84QAM	1	24	21.75	21.68	21.75			
5	84QAM	12	0	20.80	20.73	20.84			
5	84QAM	12	7	20.82	20.91	20.76	22.5	3	
5	84QAM	12	13	20.75	20.67	20.95			
5	84QAM	25	0	20.70	20.74	20.76			

Band 7 Ant2 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	16.83	16.95	16.87	18	0	
20	QPSK	1	49	16.91	16.94	16.90			
20	QPSK	1	99	16.76	16.76	16.73			
20	QPSK	50	0	16.78	16.93	16.80	18	0	
20	QPSK	50	24	16.87	16.87	16.89			
20	QPSK	50	50	16.77	16.80	16.79			
20	QPSK	100	0	16.82	16.85	16.79	18	0	
20	16QAM	1	0	16.82	16.89	16.81			
20	16QAM	1	49	16.83	16.87	16.91			
20	16QAM	1	99	16.78	16.71	16.67	18	0	
20	16QAM	50	0	16.77	16.79	16.73			
20	16QAM	50	24	16.83	16.88	16.89			
20	16QAM	50	50	16.67	16.71	16.78	18	0	
20	16QAM	100	0	16.77	16.77	16.75			
20	64QAM	1	0	16.77	16.91	16.85			
20	64QAM	1	49	16.84	16.84	16.87	18	0	
20	64QAM	1	99	16.75	16.77	16.62			
20	64QAM	50	0	16.83	16.86	16.70			
20	64QAM	50	24	16.88	16.87	16.92	18	0	
20	64QAM	50	50	16.70	16.68	16.84			
20	64QAM	100	0	16.79	16.81	16.79			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	16.74	16.92	16.79	18	0	
15	QPSK	1	37	16.87	16.89	16.81			
15	QPSK	1	74	16.67	16.69	16.69			
15	QPSK	36	0	16.74	16.82	16.70	18	0	
15	QPSK	36	20	16.79	16.80	16.81			
15	QPSK	36	39	16.73	16.71	16.72			
15	QPSK	75	0	16.75	16.76	16.76	18	0	
15	16QAM	1	0	16.82	16.83	16.72			
15	16QAM	1	37	16.77	16.86	16.79			
15	16QAM	1	74	16.74	16.67	16.65	18	0	
15	16QAM	36	0	16.74	16.73	16.70			
15	16QAM	36	20	16.77	16.81	16.88			
15	16QAM	36	39	16.69	16.65	16.75	18	0	
15	16QAM	75	0	16.71	16.72	16.73			
15	64QAM	1	0	16.74	16.87	16.75			
15	64QAM	1	37	16.78	16.75	16.77	18	0	
15	64QAM	1	74	16.64	16.69	16.58			
15	64QAM	36	0	16.78	16.74	16.67			
15	64QAM	36	20	16.83	16.77	16.80	18	0	
15	64QAM	36	39	16.65	16.64	16.73			
15	64QAM	75	0	16.77	16.76	16.70			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	16.73	16.86	16.86	18	0	
10	QPSK	1	25	16.81	16.83	16.82			
10	QPSK	1	49	16.69	16.64	16.65			
10	QPSK	25	0	16.78	16.90	16.73	18	0	
10	QPSK	25	12	16.79	16.84	16.78			
10	QPSK	25	25	16.72	16.80	16.74			
10	QPSK	50	0	16.73	16.75	16.70	18	0	
10	16QAM	1	0	16.71	16.88	16.71			
10	16QAM	1	25	16.74	16.80	16.83			
10	16QAM	1	49	16.74	16.66	16.57	18	0	
10	16QAM	25	0	16.72	16.69	16.62			
10	16QAM	25	12	16.73	16.83	16.78			
10	16QAM	25	25	16.62	16.66	16.69	18	0	
10	16QAM	50	0	16.74	16.76	16.64			
10	64QAM	1	0	16.67	16.88	16.83			
10	64QAM	1	25	16.79	16.80	16.84	18	0	
10	64QAM	1	49	16.72	16.72	16.62			
10	64QAM	25	0	16.75	16.83	16.68			
10	64QAM	25	12	16.78	16.86	16.82	18	0	
10	64QAM	25	25	16.69	16.62	16.84			
10	64QAM	50	0	16.76	16.71	16.71			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	16.79	16.88	16.80	18	0	
5	QPSK	1	12	16.82	16.90	16.87			
5	QPSK	1	24	16.76	16.68	16.71			
5	QPSK	12	0	16.68	16.87	16.80	18	0	
5	QPSK	12	7	16.78	16.82	16.78			
5	QPSK	12	13	16.72	16.70	16.69			
5	QPSK	25	0	16.81	16.76	16.75	18	0	
5	16QAM	1	0	16.77	16.79	16.74			
5	16QAM	1	12	16.80	16.79	16.82			
5	16QAM	1	24	16.71	16.69	16.57	18	0	
5	16QAM	12	0	16.69	16.72	16.61			
5	16QAM	12	7	16.73	16.77	16.82			
5	16QAM	12	13	16.63	16.66	16.76	18	0	
5	16QAM	25	0	16.75	16.69	16.72			
5	64QAM	1	0	16.76	16.90	16.78			
5	64QAM	1	12	16.82	16.80	16.78	18	0	
5	64QAM	1	24	16.70	16.75	16.62			
5	64QAM	12	0	16.80	16.85	16.64			
5	64QAM	12	7	16.87	16.82	16.90	18	0	
5	64QAM	12	13	16.61	16.57	16.73			
5	64QAM	25	0	16.74	16.75	16.78			

GSM850 AnH4 DSII									
		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot		32.22	32.31	32.25	32.50	23.22	23.31	23.25	23.50
GPRS 1 Tx slot		32.28	32.35	32.31	32.50	23.28	23.35	23.31	23.50
GPRS 2 Tx slots		29.46	29.55	29.56	30.00	23.46	23.55	23.56	24.00
GPRS 3 Tx slots		27.91	27.93	27.89	28.50	23.65	23.67	23.63	24.24
GPRS 4 Tx slots		26.48	26.59	26.43	27.00	23.48	23.59	23.43	24.00
EDGE 1 Tx slot		26.69	26.71	26.66	27.50	17.69	17.71	17.66	18.50
EDGE 2 Tx slots		23.85	23.83	23.79	24.50	17.85	17.83	17.79	18.50
EDGE 3 Tx slots		21.66	21.53	21.62	23.00	17.40	17.27	17.36	18.74
EDGE 4 Tx slots		20.72	20.69	20.74	21.50	17.72	17.69	17.74	18.50

GSM1900 AnH4 DSII									
		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1860	1869.8		1850.2	1860	1869.8	
GSM 1 Tx slot		29.11	29.28	29.11	29.50	20.11	20.28	20.11	20.50
GPRS 1 Tx slot		29.21	29.21	29.14	29.50	20.21	20.21	20.14	20.50
GPRS 2 Tx slots		26.17	26.12	26.09	26.50	20.17	20.12	20.09	20.50
GPRS 3 Tx slots		23.87	23.96	23.77	25.00	19.61	19.70	19.51	20.74
GPRS 4 Tx slots		22.78	22.82	22.79	23.50	19.78	19.82	19.79	20.50
EDGE 1 Tx slot		25.43	25.47	25.26	26.50	16.43	16.47	16.26	17.50
EDGE 2 Tx slots		22.71	22.72	22.64	23.50	16.71	16.72	16.64	17.50
EDGE 3 Tx slots		21.35	21.51	21.47	22.00	17.09	17.25	17.21	17.74
EDGE 4 Tx slots		19.96	20.04	19.98	20.50	16.96	17.04	16.98	17.50

WCDMA II AnH4 DSII					WCDMA IV AnH4 DSII					WCDMA V AnH4 DSII				
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)	
Tx Channel	9262	9400	9538	1312		1413	1513	4132		4182	4233			
Rx Channel	9662	9800	9938	1537	1537	1638	1738	4357	4407	4458				
Frequency (MHz)	1852.4	1880	1907.6	1712.4	1712.4	1732.6	1752.6	826.4	836.4	846.6				
3GPP Rel 99	AMR 12.2Kbps	19.50	19.57	19.55	20.50	20.71	20.79	20.78	22.00	22.89	23.03	22.94	24.50	
3GPP Rel 99	RMC 12.2Kbps	19.53	19.60	19.57	20.50	20.99	21.08	21.06	22.00	23.04	23.12	23.05	24.50	
3GPP Rel 6	HSDPA Subtest-1	18.65	18.50	18.39	19.50	19.87	20.05	19.82	21.00	22.25	22.27	22.10	23.50	
3GPP Rel 6	HSDPA Subtest-2	18.46	18.45	18.46	19.50	19.94	20.04	19.87	21.00	22.29	22.28	22.12	23.50	
3GPP Rel 6	HSDPA Subtest-3	18.17	18.02	18.10	19.00	19.31	19.59	19.40	20.50	21.70	21.74	21.66	23.00	
3GPP Rel 6	HSDPA Subtest-4	18.13	18.25	18.10	19.00	19.96	19.97	19.84	20.50	22.45	22.46	22.07	23.00	
3GPP Rel 8	DC-HSDPA Subtest-1	18.44	18.51	18.61	19.50	19.72	20.07	19.91	21.00	22.25	22.25	22.26	23.50	
3GPP Rel 8	DC-HSDPA Subtest-2	18.46	18.59	18.73	19.50	20.00	19.89	19.81	21.00	22.59	22.78	22.74	23.50	
3GPP Rel 8	DC-HSDPA Subtest-3	18.13	18.15	18.10	19.00	19.22	19.41	19.53	20.50	21.94	21.95	21.86	23.00	
3GPP Rel 8	DC-HSDPA Subtest-4	17.94	18.29	18.22	19.00	19.49	19.34	19.30	20.50	21.78	21.78	21.74	23.00	
3GPP Rel 6	HSUPA Subtest-1	18.40	18.71	18.47	19.50	19.88	20.03	19.84	21.00	22.14	22.22	22.42	23.50	
3GPP Rel 6	HSUPA Subtest-2	16.46	16.63	16.72	17.50	18.04	17.77	17.79	19.00	20.31	20.20	19.97	21.50	
3GPP Rel 6	HSUPA Subtest-3	17.40	17.60	17.45	18.50	18.79	18.85	18.96	20.00	21.18	21.24	21.31	22.50	
3GPP Rel 6	HSUPA Subtest-4	16.63	16.68	16.64	17.50	17.89	17.84	17.83	19.00	20.33	20.40	20.27	21.50	
3GPP Rel 6	HSUPA Subtest-5	18.49	18.60	18.56	19.50	19.89	19.96	19.86	21.00	22.12	22.36	22.36	23.50	
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	15.06	15.99	16.08	17.00	17.61	17.49	17.39	18.50	19.68	19.81	19.67	21.00	

Band 2 Ant4 DSI1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				18700	18900	19100			
Frequency (MHz)				18680	18880	19080			
20	QPSK	1	0	19.84	19.85	19.81	20.5	0	
20	QPSK	1	49	19.60	19.62	19.73			
20	QPSK	1	99	19.45	19.46	19.76			
20	QPSK	50	0	19.64	19.77	19.75			
20	QPSK	50	24	19.67	19.65	19.76	20.5	0	
20	QPSK	50	50	19.44	19.51	19.65			
20	QPSK	100	0	19.68	19.62	19.60			
20	16QAM	1	0	19.58	19.73	19.76			
20	16QAM	1	49	19.49	19.62	19.73	20.5	0	
20	16QAM	1	99	19.64	19.70	19.77			
20	16QAM	50	0	19.58	19.62	19.75			
20	16QAM	50	24	19.65	19.42	19.73			
20	16QAM	50	50	19.71	19.83	19.64	20.5	0	
20	16QAM	100	0	19.69	19.62	19.70			
20	64QAM	1	0	19.64	19.84	19.62			
20	64QAM	1	49	19.57	19.54	19.82	20.5	0	
20	64QAM	1	99	19.51	19.48	19.72			
20	64QAM	50	0	19.81	19.82	19.59			
20	64QAM	50	24	19.74	19.77	19.75			
20	64QAM	50	50	19.63	19.59	19.67	20.5	0	
20	64QAM	100	0	19.58	19.64	19.59			
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	18880	19022.5			
15	QPSK	1	0	19.63	19.82	19.75	20.5	0	
15	QPSK	1	37	19.42	19.43	19.61			
15	QPSK	1	74	19.39	19.37	19.64			
15	QPSK	36	0	19.49	19.63	19.72			
15	QPSK	36	20	19.58	19.54	19.65	20.5	0	
15	QPSK	36	39	19.41	19.39	19.52			
15	QPSK	75	0	19.51	19.72	19.39			
15	16QAM	1	0	19.54	19.54	19.69			
15	16QAM	1	37	19.28	19.50	19.62	20.5	0	
15	16QAM	1	74	19.52	19.50	19.78			
15	16QAM	36	0	19.39	19.58	19.58			
15	16QAM	36	20	19.45	19.33	19.61			
15	16QAM	36	39	19.50	19.72	19.65	20.5	0	
15	16QAM	75	0	19.64	19.57	19.48			
15	64QAM	1	0	19.62	19.74	19.54			
15	64QAM	1	37	19.50	19.43	19.73			
15	64QAM	1	74	19.37	19.46	19.56	20.5	0	
15	64QAM	36	0	19.72	19.66	19.58			
15	64QAM	36	20	19.60	19.73	19.72			
15	64QAM	36	39	19.56	19.56	19.64			
15	64QAM	75	0	19.37	19.51	19.40	20.5	0	
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	18880	1905			
10	QPSK	1	0	19.69	19.81	19.77	20.5	0	
10	QPSK	1	25	19.43	19.58	19.63			
10	QPSK	1	49	19.34	19.46	19.56			
10	QPSK	25	0	19.61	19.68	19.70			
10	QPSK	25	12	19.49	19.65	19.63	20.5	0	
10	QPSK	25	25	19.43	19.43	19.64			
10	QPSK	50	0	19.64	19.79	19.55			
10	16QAM	1	0	19.48	19.72	19.75			
10	16QAM	1	25	19.36	19.59	19.54	20.5	0	
10	16QAM	1	49	19.46	19.64	19.67			
10	16QAM	25	0	19.52	19.49	19.58			
10	16QAM	25	12	19.49	19.25	19.75			
10	16QAM	25	25	19.58	19.66	19.60	20.5	0	
10	16QAM	50	0	19.69	19.55	19.67			
10	64QAM	1	0	19.57	19.84	19.60			
10	64QAM	1	25	19.52	19.44	19.81			
10	64QAM	1	49	19.36	19.44	19.60	20.5	0	
10	64QAM	25	0	19.65	19.84	19.40			
10	64QAM	25	12	19.60	19.56	19.75			
10	64QAM	25	25	19.42	19.44	19.67			
10	64QAM	50	0	19.43	19.53	19.39	20.5	0	
Channel				18525	18900	19175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	18880	1907.5			
5	QPSK	1	0	19.80	19.65	19.81	20.5	0	
5	QPSK	1	12	19.39	19.58	19.66			
5	QPSK	1	24	19.32	19.40	19.73			
5	QPSK	12	0	19.65	19.72	19.66			
5	QPSK	12	7	19.50	19.62	19.67	20.5	0	
5	QPSK	12	13	19.35	19.37	19.51			
5	QPSK	25	0	19.68	19.75	19.55			
5	16QAM	1	0	19.41	19.72	19.66			
5	16QAM	1	12	19.51	19.60	19.59	20.5	0	
5	16QAM	1	24	19.52	19.64	19.73			
5	16QAM	12	0	19.44	19.53	19.72			
5	16QAM	12	7	19.61	19.39	19.64			
5	16QAM	12	13	19.54	19.62	19.59	20.5	0	
5	16QAM	25	0	19.65	19.53	19.67			
5	64QAM	1	0	19.48	19.76	19.52			
5	64QAM	1	12	19.59	19.49	19.78			
5	64QAM	1	24	19.47	19.42	19.59	20.5	0	
5	64QAM	12	0	19.63	19.72	19.44			
5	64QAM	12	7	19.72	19.65	19.75			
5	64QAM	12	13	19.59	19.39	19.57			
5	64QAM	25	0	19.37	19.61	19.56	20.5	0	
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1851.5	18880	1908.5			
3	QPSK	1	0	19.77	19.72	19.83	20.5	0	
3	QPSK	1	8	19.53	19.62	19.52			
3	QPSK	1	14	19.38	19.43	19.56			
3	QPSK	8	0	19.56	19.71	19.72			
3	QPSK	8	4	19.50	19.63	19.57	20.5	0	
3	QPSK	8	7	19.38	19.41	19.53			
3	QPSK	15	0	19.49	19.71	19.44			
3	16QAM	1	0	19.38	19.67	19.76			
3	16QAM	1	8	19.28	19.52	19.63	20.5	0	
3	16QAM	1	14	19.61	19.64	19.75			
3	16QAM	8	0	19.49	19.52	19.61			
3	16QAM	8	4	19.46	19.42	19.53			
3	16QAM	8	7	19.55	19.63	19.62	20.5	0	
3	16QAM	15	0	19.60	19.61	19.69			
3	64QAM	1	0	19.44	19.66	19.59			
3	64QAM	1	8	19.49	19.46	19.70			
3	64QAM	1	14	19.34	19.30	19.57	20.5	0	
3	64QAM	8	0	19.76	19.71	19.45			
3	64QAM	8	4	19.65	19.63	19.75			
3	64QAM	8	7	19.64	19.42	19.45			
3	64QAM	15	0	19.53	19.61	19.39	20.5	0	
Channel				19007	19000	19163	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				18997	18980	19099.3			
1.4	QPSK	1	0	19.84	19.66	19.71	20.5	0	
1.4	QPSK	1	3	19.42	19.49	19.54			
1.4	QPSK	1	5	19.38	19.37	19.70			
1.4	QPSK	3	0	19.60	19.61	19.66			
1.4	QPSK	3	1	19.60	19.62	19.73	20.5	0	
1.4	QPSK	3	3	19.69	19.67	19.77			
1.4	QPSK	6	0	19.57	19.62	19.68			
1.4	16QAM	1	0	19.39	19.26	19.55			
1.4	16QAM	1	3	19.60	19.66	19.73	20.5	0	
1.4	16QAM	1	5	19.51	19.61	19.72			
1.4	16QAM	3	0	19.84	19.84	19.80			
1.4	16QAM	3	1	19.42	19.60	19.52			
1.4	16QAM	3	3	19.45	19.39	19.70	20.5	0	
1.4	64QAM	1	3	19.82	19.77	19.60	20.5	0	
1.4	64QAM	1	5	19.82	19.76	19.60			
1.4	64QAM	3	0	19.56	19.61	19.69			
1.4	64QAM	3	1	19.31	19.26	19.70			
1.4	64QAM	3	3	19.64	19.75	19.73	20.5	0	
1.4	64QAM	6	0	19.69	19.66	19.74			

Band 5 Ant4 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20450	20525	20600			
Frequency (MHz)				23.10	23.15	23.14			
10	QPSK	1	0	23.14	23.32	23.22			
10	QPSK	1	25	23.20	23.21	23.16	24.5	0	
10	QPSK	1	49	23.09	23.19	23.19			
10	QPSK	25	0	23.14	23.20	23.13			
10	QPSK	25	12	23.12	23.13	23.08			
10	QPSK	25	25	22.97	23.06	23.00	24.5	0	
10	QPSK	50	0	22.99	23.10	22.98			
10	16QAM	1	0	23.21	23.29	23.29	24.5	0	
10	16QAM	1	25	23.21	23.23	23.21			
10	16QAM	1	49	23.10	23.18	23.18			
10	16QAM	25	0	22.04	22.15	22.05			
10	16QAM	25	12	22.11	22.19	22.17			
10	16QAM	25	25	22.05	22.08	22.02	23.5	1	
10	16QAM	50	0	22.13	22.14	22.12			
10	64QAM	1	0	22.18	22.19	22.11			
10	64QAM	1	25	22.01	22.03	22.00	23.5	1	
10	64QAM	1	49	22.13	22.14	22.05			
10	64QAM	25	0	21.13	21.18	21.17			
10	64QAM	25	12	21.01	21.08	21.01	22.5	2	
10	64QAM	25	25	21.20	21.21	21.19			
10	64QAM	50	0	21.08	21.10	21.00			
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	0	23.10	23.27	23.19			
5	QPSK	1	12	23.10	23.13	23.12	24.5	0	
5	QPSK	1	24	22.98	23.13	23.15			
5	QPSK	12	0	23.07	23.08	23.08			
5	QPSK	12	7	23.05	23.11	22.98	24.5	0	
5	QPSK	12	13	22.88	23.00	22.91			
5	QPSK	25	0	22.95	23.01	22.88			
5	16QAM	1	0	23.15	23.23	23.26			
5	16QAM	1	12	23.09	23.16	23.10	24.5	0	
5	16QAM	1	24	23.04	23.12	23.08			
5	16QAM	12	0	21.95	22.13	21.95			
5	16QAM	12	7	22.90	22.18	22.15	23.5	1	
5	16QAM	12	13	21.93	22.00	22.00			
5	16QAM	25	0	22.07	22.13	22.09			
5	64QAM	1	0	22.08	22.08	22.02			
5	64QAM	1	12	21.92	21.95	21.97	23.5	1	
5	64QAM	1	24	22.02	22.07	21.94			
5	64QAM	12	0	21.07	21.11	21.13			
5	64QAM	12	7	20.93	21.07	20.93	22.5	2	
5	64QAM	12	13	21.12	21.16	21.09			
5	64QAM	25	0	21.03	21.00	20.99			
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				825.5	836.5	847.5			
3	QPSK	1	0	23.05	23.23	23.12			
3	QPSK	1	8	23.13	23.13	23.05	24.5	0	
3	QPSK	1	14	22.97	23.08	23.08			
3	QPSK	8	0	23.10	23.13	23.05			
3	QPSK	8	4	23.01	23.06	23.03	24.5	0	
3	QPSK	8	7	22.90	23.03	22.92			
3	QPSK	15	0	22.89	23.04	22.90			
3	16QAM	1	0	23.17	23.17	23.19	24.5	0	
3	16QAM	1	8	23.16	23.21	23.10			
3	16QAM	1	14	23.00	23.11	23.08			
3	16QAM	8	0	21.92	22.04	21.99			
3	16QAM	8	4	21.99	22.11	22.06	23.5	1	
3	16QAM	8	7	21.99	21.98	21.93			
3	16QAM	15	0	22.04	22.03	22.01			
3	64QAM	1	0	22.13	22.15	22.11			
3	64QAM	1	8	21.93	22.01	21.92	23.5	1	
3	64QAM	1	14	22.04	22.07	22.01			
3	64QAM	8	0	21.10	21.12	21.11			
3	64QAM	8	4	20.92	21.03	20.98	22.5	2	
3	64QAM	8	7	21.12	21.11	21.14			
3	64QAM	15	0	20.97	21.00	20.90			
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	23.07	23.25	23.10			
1.4	QPSK	1	3	23.15	23.17	23.07	24.5	0	
1.4	QPSK	1	5	23.04	23.09	23.08			
1.4	QPSK	3	0	23.04	23.20	23.07			
1.4	QPSK	3	1	23.01	23.11	22.98			
1.4	QPSK	3	3	22.95	23.04	22.93			
1.4	QPSK	6	0	22.95	23.01	22.95	24.5	0	
1.4	16QAM	1	0	23.16	23.19	23.26			
1.4	16QAM	1	3	23.19	23.23	23.17			
1.4	16QAM	1	5	23.02	23.10	23.10	24.5	0	
1.4	16QAM	3	0	22.96	23.12	22.96			
1.4	16QAM	3	1	23.02	23.19	23.08			
1.4	16QAM	3	3	22.95	23.00	23.00			
1.4	16QAM	6	0	22.08	22.09	22.00	23.5	1	
1.4	64QAM	1	0	22.07	22.10	22.02			
1.4	64QAM	1	3	21.93	22.01	21.91			
1.4	64QAM	1	5	22.13	22.13	21.97	23.5	1	
1.4	64QAM	3	0	22.05	22.12	22.13			
1.4	64QAM	3	1	21.95	22.08	21.93			
1.4	64QAM	3	3	22.12	22.19	22.15			
1.4	64QAM	6	0	21.01	21.06	20.92	22.5	2	

Band 7 Ant4 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				25.10	25.35	25.60			
20	QPSK	1	0	18.30	18.42	18.32			
20	QPSK	1	49	18.25	18.19	18.15	20	0	
20	QPSK	1	99	18.03	18.16	18.01			
20	QPSK	50	0	18.07	18.27	18.25			
20	QPSK	50	24	18.13	18.24	18.24			
20	QPSK	50	50	18.13	18.26	18.18	20	0	
20	QPSK	100	0	18.02	18.09	18.03			
20	16QAM	1	0	18.30	18.30	18.27			
20	16QAM	1	49	18.13	18.16	18.25			
20	16QAM	1	99	18.08	18.25	18.28			
20	16QAM	50	0	18.20	18.13	18.21			
20	16QAM	50	24	18.05	18.24	18.10			
20	16QAM	50	50	18.17	18.15	18.14	20	0	
20	16QAM	100	0	18.27	18.26	18.08			
20	64QAM	1	0	18.17	18.35	18.27			
20	64QAM	1	49	18.21	18.27	18.01			
20	64QAM	1	99	18.31	18.31	18.17			
20	64QAM	50	0	18.22	18.27	18.23			
20	64QAM	50	24	18.20	18.18	18.10			
20	64QAM	50	50	18.15	18.30	18.22			
20	64QAM	100	0	18.20	18.31	18.28			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	18.31	18.30	18.32			
15	QPSK	1	37	18.21	18.29	18.09	20	0	
15	QPSK	1	74	18.22	18.24	18.24			
15	QPSK	36	0	18.29	18.36	18.31			
15	QPSK	36	20	18.21	18.15	18.26	20	0	
15	QPSK	36	39	18.03	18.24	18.13			
15	QPSK	75	0	18.02	18.22	18.16			
15	16QAM	1	0	18.30	18.25	18.24			
15	16QAM	1	37	18.11	18.30	18.23	20	0	
15	16QAM	1	74	18.14	18.20	18.25			
15	16QAM	36	0	18.15	18.18	18.26			
15	16QAM	36	20	18.04	18.31	18.08	20	0	
15	16QAM	36	39	18.15	18.15	18.17			
15	16QAM	75	0	18.18	18.22	18.13			
15	64QAM	1	0	18.23	18.36	18.30			
15	64QAM	1	37	18.10	18.11	18.19	20	0	
15	64QAM	1	74	18.33	18.31	18.12			
15	64QAM	36	0	18.26	18.26	18.23			
15	64QAM	36	20	18.10	18.18	18.15	20	0	
15	64QAM	36	39	18.33	18.32	18.10			
15	64QAM	75	0	18.03	18.15	18.26			
Channel				20900	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	18.24	18.28	18.22			
10	QPSK	1	25	18.19	18.26	18.10	20	0	
10	QPSK	1	49	18.18	18.21	18.20			
10	QPSK	25	0	18.27	18.17	18.19			
10	QPSK	25	12	18.07	18.17	18.16	20	0	
10	QPSK	25	25	18.16	18.20	18.17			
10	QPSK	50	0	18.00	18.12	18.18			
10	16QAM	1	0	18.21	18.33	18.14			
10	16QAM	1	25	18.08	18.20	18.16	20	0	
10	16QAM	1	49	18.16	18.33	18.14			
10	16QAM	25	0	18.26	18.21	18.18			
10	16QAM	25	12	18.05	18.22	18.14	20	0	
10	16QAM	25	25	18.19	18.30	18.05			
10	16QAM	50	0	18.18	18.13	18.15			
10	16QAM	50	1	18.20	18.23	18.33			
10	16QAM	50	25	18.20	18.21	18.17	20	0	
10	16QAM	1	49	18.24	18.29	18.33			
10	16QAM	25	0	18.14	18.36	18.24			
10	16QAM	25	12	18.05	18.28	18.08	20	0	
10	16QAM	25	25	18.14	18.15	18.14			
10	64QAM	50	0	18.06	18.16	18.13			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	18.12	18.30	18.37			
5	QPSK	1	12	18.30	18.30	18.28	20	0	
5	QPSK	1	24	18.15	18.15	18.20			
5	QPSK	12	0	18.20	18.28	18.29			
5	QPSK	12	7	18.14	18.17	18.26			
5	QPSK	12	13	18.02	18.22	18.15	20	0	
5	QPSK	25	0	18.04	18.25	18.08			
5	16QAM	1	0	18.15	18.28	18.29			
5	16QAM	1	12	18.03	18.30	18.13	20	0	
5	16QAM	1	24	18.21	18.19	18.24			
5	16QAM	12	0	18.10	18.34	18.31			
5	16QAM	12	7	18.07	18.31	18.22			
5	16QAM	12	13	18.21	18.08	18.03	20	0	
5	16QAM	25	0	18.11	18.32	18.18			
5	64QAM	1	0	18.16	18.38	18.37			
5	64QAM	1	12	18.23	18.17	18.02	20	0	
5	64QAM	1	24	18.13	18.30	18.13			
5	64QAM	12	0	18.24	18.41	18.24			
5	64QAM	12	7	18.12	18.30	18.14			
5	64QAM	12	13	18.31	18.17	18.15	20	0	
5	64QAM	25	0	18.09	18.13	18.08			

Reduced power level for WWAN DSI2

GSM850 Ant1 Default power

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	160	251		128	160	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.60	32.76	32.75	33.50	23.60	23.76	23.75	24.50
GPRS 1 Tx slot	32.69	32.78	32.69	33.50	23.69	23.78	23.69	24.50
GPRS 2 Tx slots	30.09	30.29	30.29	31.00	24.09	24.29	24.29	25.00
GPRS 3 Tx slots	29.10	29.22	29.03	29.50	24.84	24.96	24.77	25.24
GPRS 4 Tx slots	27.05	27.14	27.03	28.00	24.05	24.14	24.03	25.00
EDGE 1 Tx slot	27.03	27.18	27.01	28.50	18.03	18.18	18.01	19.50
EDGE 2 Tx slots	24.22	24.41	24.43	25.50	18.22	18.41	18.43	19.50
EDGE 3 Tx slots	22.15	22.36	22.27	24.00	17.89	18.10	18.01	19.74
EDGE 4 Tx slots	21.08	21.15	20.94	22.50	18.08	18.15	17.94	19.50

GSM1900 Ant1 Default power

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	1850.2	1860	1909.8		1850.2	1860	1909.8	
Frequency (MHz)	1850.2	1860	1909.8		1850.2	1860	1909.8	
GSM 1 Tx slot	29.81	29.87	29.76	30.50	20.81	20.87	20.76	21.50
GPRS 1 Tx slot	29.83	29.89	29.84	30.50	20.83	20.89	20.84	21.50
GPRS 2 Tx slots	26.24	26.28	26.15	27.50	20.24	20.28	20.15	21.50
GPRS 3 Tx slots	24.16	24.33	24.21	25.00	19.60	20.07	19.95	21.74
GPRS 4 Tx slots	23.07	23.25	23.26	24.50	20.07	20.25	20.26	21.50
EDGE 1 Tx slot	26.34	26.48	26.47	27.50	17.34	17.48	17.47	18.50
EDGE 2 Tx slots	23.21	23.20	23.05	24.50	17.21	17.20	17.05	18.50
EDGE 3 Tx slots	22.18	22.18	22.10	23.00	17.92	17.92	17.84	18.74
EDGE 4 Tx slots	20.86	21.02	20.89	21.50	17.86	18.02	17.89	18.50

WCDMA II Ant1 DSI2

WCDMA IV Ant1 DSI2

WCDMA V Ant1 DSI2

Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)	
	TX Channel	9262	9400		9538	1312	1413		1513	4132	4182		4233
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	21.25	21.34	21.37	23.00	21.49	21.44	21.33	23.00	23.91	23.96	23.88	25.50
3GPP Rel 99	RMC 12.2Kbps	21.38	21.55	21.43	23.00	21.45	21.59	21.46	23.00	23.93	23.98	23.89	25.50
3GPP Rel 6	HSDPA Subtest-1	20.32	20.60	20.60	22.00	20.70	20.61	20.53	22.00	22.84	22.95	22.99	24.50
3GPP Rel 6	HSDPA Subtest-2	20.58	20.46	20.35	22.00	20.81	20.84	20.39	22.00	22.78	23.02	23.08	24.50
3GPP Rel 6	HSDPA Subtest-3	20.11	20.23	20.10	21.50	20.04	20.02	20.08	21.50	22.52	22.30	22.35	24.00
3GPP Rel 6	HSDPA Subtest-4	19.91	20.15	19.98	21.50	20.27	20.02	20.21	21.50	22.14	22.39	22.40	24.00
3GPP Rel 8	DC-HSDPA Subtest-1	20.74	20.49	20.65	22.00	20.78	20.59	20.65	22.00	23.10	22.92	23.11	24.50
3GPP Rel 8	DC-HSDPA Subtest-2	20.50	20.61	20.39	22.00	20.70	20.69	20.78	22.00	23.07	23.09	23.13	24.50
3GPP Rel 8	DC-HSDPA Subtest-3	20.36	20.16	20.08	21.50	20.38	20.09	20.18	21.50	22.58	22.36	22.16	24.00
3GPP Rel 8	DC-HSDPA Subtest-4	20.01	20.16	20.02	21.50	20.35	20.17	19.93	21.50	22.25	22.57	22.31	24.00
3GPP Rel 6	HSUPA Subtest-1	20.48	20.71	20.79	22.00	20.52	20.59	20.85	22.00	22.99	22.91	23.15	24.50
3GPP Rel 6	HSUPA Subtest-2	18.68	18.56	18.50	20.00	18.68	18.70	18.55	20.00	20.95	20.98	21.06	22.50
3GPP Rel 6	HSUPA Subtest-3	19.59	19.90	19.56	21.00	19.92	19.55	19.71	21.00	22.01	21.95	21.61	23.50
3GPP Rel 6	HSUPA Subtest-4	18.46	18.56	18.18	20.00	18.83	18.91	18.66	20.00	20.72	20.85	20.89	22.50
3GPP Rel 6	HSUPA Subtest-5	20.63	20.85	20.67	22.00	20.51	20.74	20.44	22.00	22.78	22.95	23.12	24.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	17.80	18.00	18.06	19.50	18.11	18.03	18.14	19.50	20.29	20.33	20.24	22.00

Band 2 Ant1 DSI2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				18700	18900	19100				
Frequency (MHz)				1860	1860	1900				
20	QPSK	1	0	21.38	21.53	21.41	23	0		
20	QPSK	1	49	21.21	21.41	21.23				
20	QPSK	1	99	21.36	21.31	21.21				
20	QPSK	50	0	21.30	21.49	21.34				
20	QPSK	50	24	21.18	21.48	21.28				
20	QPSK	50	50	21.29	21.46	21.34	23	0		
20	QPSK	100	0	21.39	21.43	21.39				
20	16QAM	1	0	21.26	21.42	21.41				
20	16QAM	1	49	21.35	21.51	21.28				
20	16QAM	1	99	21.25	21.52	21.37				
20	16QAM	50	0	21.31	21.52	21.21	23	0		
20	16QAM	50	24	21.38	21.39	21.30				
20	16QAM	50	50	21.35	21.38	21.26				
20	16QAM	100	0	21.37	21.44	21.42				
20	64QAM	1	0	21.23	21.32	21.21				
20	64QAM	1	49	21.28	21.49	21.23	23	0		
20	64QAM	1	99	21.37	21.43	21.28				
20	64QAM	50	0	20.36	20.44	20.47				
20	64QAM	50	24	20.44	20.55	20.53				
20	64QAM	50	50	20.40	20.56	20.48				
20	64QAM	100	0	20.35	20.47	20.41	22	1		
Channel				18675	18900	19025				
Frequency (MHz)				1857.5	1880	1902.5				
15	QPSK	1	0	21.27	21.52	21.35	23	0		
15	QPSK	1	37	21.22	21.33	21.03				
15	QPSK	1	74	21.30	21.18	21.20				
15	QPSK	36	0	21.25	21.41	21.16				
15	QPSK	36	20	21.06	21.32	21.12				
15	QPSK	36	39	21.25	21.29	21.12	23	0		
15	QPSK	75	0	21.33	21.44	21.44				
15	16QAM	1	0	21.27	21.41	21.38				
15	16QAM	1	37	21.15	21.37	21.21				
15	16QAM	1	74	21.23	21.50	21.29				
15	16QAM	36	0	21.14	21.46	21.02	23	0		
15	16QAM	36	20	21.32	21.38	21.21				
15	16QAM	36	39	21.28	21.24	21.07				
15	16QAM	75	0	21.18	21.22	21.36				
15	64QAM	1	0	21.03	21.33	21.05				
15	64QAM	1	37	21.10	21.44	21.06	23	0		
15	64QAM	1	74	21.27	21.21	21.14				
15	64QAM	36	0	20.17	20.23	20.42				
15	64QAM	36	20	20.27	20.49	20.32				
15	64QAM	36	39	20.25	20.44	20.30				
15	64QAM	75	0	20.24	20.43	20.28	22	1		
Channel				18650	18900	19150				
Frequency (MHz)				1855	1880	1905				
10	QPSK	1	0	21.30	21.50	21.36	23	0		
10	QPSK	1	25	21.21	21.24	21.16				
10	QPSK	1	49	21.24	21.13	21.20				
10	QPSK	25	0	21.11	21.29	21.13				
10	QPSK	25	12	21.04	21.36	21.16				
10	QPSK	25	25	21.20	21.37	21.14	23	0		
10	QPSK	50	0	21.31	21.34	21.23				
10	16QAM	1	0	21.11	21.36	21.23				
10	16QAM	1	25	21.26	21.41	21.15				
10	16QAM	1	49	21.05	21.52	21.31				
10	16QAM	25	0	21.29	21.50	21.00	23	0		
10	16QAM	25	12	21.22	21.21	21.16				
10	16QAM	25	25	21.18	21.21	21.23				
10	16QAM	50	0	21.16	21.25	21.40				
10	64QAM	1	0	21.14	21.22	21.05				
10	64QAM	1	25	21.07	21.37	21.21	23	0		
10	64QAM	1	49	21.22	21.44	21.30				
10	64QAM	25	0	20.38	20.23	20.44				
10	64QAM	25	12	20.34	20.42	20.44				
10	64QAM	25	25	20.31	20.52	20.33				
10	64QAM	50	0	20.17	20.29	20.27	22	1		
Channel				18625	18900	19175				
Frequency (MHz)				1852.5	1880	1907.5				
5	QPSK	1	0	21.25	21.37	21.30	23	0		
5	QPSK	1	12	21.21	21.43	21.22				
5	QPSK	1	24	21.38	21.23	21.16				
5	QPSK	12	0	21.21	21.35	21.16				
5	QPSK	12	7	21.05	21.42	21.20				
5	QPSK	12	13	21.11	21.39	21.35	23	0		
5	QPSK	25	0	21.19	21.37	21.25				
5	16QAM	1	0	21.23	21.27	21.22				
5	16QAM	1	12	21.13	21.32	21.21				
5	16QAM	1	24	21.17	21.38	21.20				
5	16QAM	12	0	21.28	21.45	21.18	23	0		
5	16QAM	12	7	21.30	21.33	21.09				
5	16QAM	12	13	21.19	21.40	21.04				
5	16QAM	25	0	21.16	21.44	21.37				
5	64QAM	1	0	21.20	21.31	21.06				
5	64QAM	1	12	21.29	21.30	21.08	23	0		
5	64QAM	1	24	21.19	21.27	21.23				
5	64QAM	12	0	20.38	20.37	20.27				
5	64QAM	12	7	20.45	20.48	20.45				
5	64QAM	12	13	20.28	20.57	20.42				
5	64QAM	25	0	20.24	20.27	20.42	22	1		
Channel				18615	18900	19185				
Frequency (MHz)				1851.5	1880	1908.5				
3	QPSK	1	0	21.22	21.45	21.30	23	0		
3	QPSK	1	8	21.03	21.20	21.10				
3	QPSK	1	14	21.20	21.12	21.15				
3	QPSK	8	0	21.27	21.33	21.17				
3	QPSK	8	4	21.01	21.31	21.06				
3	QPSK	8	7	21.12	21.33	21.15	23	0		
3	QPSK	15	0	21.17	21.39	21.40				
3	16QAM	1	0	21.19	21.36	21.22				
3	16QAM	1	8	21.15	21.33	21.21				
3	16QAM	1	14	21.27	21.16	21.20				
3	16QAM	8	0	21.32	21.49	21.24	23	0		
3	16QAM	8	4	21.05	21.46	21.25				
3	16QAM	8	7	21.07	21.47	21.15				
3	16QAM	15	0	21.35	21.38	21.44				
3	64QAM	1	0	21.11	21.27	21.18				
3	64QAM	1	8	21.06	21.40	21.06	23	0		
3	64QAM	1	14	21.26	21.27	21.18				
3	64QAM	8	0	20.32	20.22	20.28				
3	64QAM	8	4	20.34	20.46	20.52				
3	64QAM	8	7	20.36	20.44	20.36				
3	64QAM	15	0	20.36	20.49	20.26	22	1		
Channel				18607	18900	19193				
Frequency (MHz)				18507	18800	19093				
1.4	QPSK	1	0	21.32	21.33	21.31	23	0		
1.4	QPSK	1	3	21.08	21.31	21.19				
1.4	QPSK	1	5	21.35	21.29	21.13				
1.4	QPSK	3	0	21.31	21.29	21.13				
1.4	QPSK	3	1	21.12	21.32	21.16				
1.4	QPSK	3	3	21.21	21.46	21.25	23	0		
1.4	QPSK	6	0	21.22	21.42	21.40				
1.4	16QAM	1	0	21.22	21.38	21.36				
1.4	16QAM	1	3	21.09	21.40	21.10				
1.4	16QAM	1	5	21.37	21.11	21.15				
1.4	16QAM	3	0	21.17	21.31	21.20	23	0		
1.4	16QAM	3	1	21.16	21.42	21.41				
1.4	16QAM	3	3	21.21	21.38	21.40				
1.4	16QAM	6	0	21.20	21.41	21.24				
1.4	64QAM	1	3	21.31	21.31	21.21				
1.4	64QAM	1	5	21.27	21.43	21.34	23	0		
1.4	64QAM	3	0	21.03	21.43	21.16				
1.4	64QAM	3	1	21.12	21.43	21.16				
1.4	64QAM	3	3	21.38	21.49	21.23				
1.4	64QAM	6	0	20.50	20.53	20.43				

Band 7 Ant2 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350	21.5	0	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	20.25	20.56	20.23	21.5	0	
20	QPSK	1	49	20.35	20.15	20.42			
20	QPSK	1	99	20.26	20.21	20.24			
20	QPSK	50	0	20.32	20.44	20.22			
20	QPSK	50	24	20.36	20.05	20.27			
20	QPSK	50	50	20.29	20.40	20.34			
20	QPSK	100	0	20.17	20.35	20.21	21.5	0	
20	16QAM	1	0	20.37	20.27	20.36			
20	16QAM	1	49	20.29	20.42	20.31			
20	16QAM	1	99	20.14	20.44	20.34			
20	16QAM	50	0	20.30	20.13	20.32			
20	16QAM	50	24	20.32	20.31	20.28			
20	16QAM	50	50	20.31	20.46	20.38	21.5	0	
20	16QAM	100	0	20.24	20.10	20.22			
20	64QAM	1	0	20.23	20.41	20.40			
20	64QAM	1	49	20.29	20.47	20.28			
20	64QAM	1	99	20.23	20.17	20.20			
20	64QAM	50	0	20.17	20.32	20.26			
20	64QAM	50	24	20.17	20.49	20.32	21.5	0	
20	64QAM	50	50	20.20	20.14	20.37			
20	64QAM	100	0	20.32	20.30	20.21			
Channel				20825	21100	21375	21.5	0	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	20.22	20.47	20.14	21.5	0	
15	QPSK	1	37	20.27	20.15	20.28			
15	QPSK	1	74	20.25	20.22	20.05			
15	QPSK	36	0	20.34	20.33	20.10			
15	QPSK	36	20	20.27	19.88	20.13			
15	QPSK	36	39	20.17	20.25	20.33			
15	QPSK	75	0	20.18	20.19	20.19	21.5	0	
15	16QAM	1	0	20.30	20.18	20.18			
15	16QAM	1	37	20.18	20.44	20.12			
15	16QAM	1	74	19.88	20.36	20.27			
15	16QAM	36	0	20.24	20.10	20.27			
15	16QAM	36	20	20.24	20.10	20.12			
15	16QAM	36	39	20.10	20.25	20.22	21.5	0	
15	16QAM	75	0	20.14	19.89	20.01			
15	64QAM	1	0	20.15	20.43	20.40			
15	64QAM	1	37	20.22	20.29	20.20			
15	64QAM	1	74	20.20	19.97	20.16			
15	64QAM	36	0	20.15	20.15	20.26			
15	64QAM	36	20	20.16	20.42	20.13	21.5	0	
15	64QAM	36	39	19.98	20.07	20.35			
15	64QAM	75	0	20.33	20.27	19.99			
Channel				20800	21100	21400	21.5	0	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	20.10	20.35	20.18	21.5	0	
10	QPSK	1	25	20.30	20.16	20.35			
10	QPSK	1	49	20.28	20.12	20.15			
10	QPSK	25	0	20.20	20.25	20.15			
10	QPSK	25	12	20.23	20.02	20.13			
10	QPSK	25	25	20.15	20.21	20.30			
10	QPSK	50	0	20.06	20.34	20.14	21.5	0	
10	16QAM	1	0	20.32	20.12	20.28			
10	16QAM	1	25	20.15	20.40	20.18			
10	16QAM	1	49	20.12	20.45	20.27			
10	16QAM	25	0	20.27	19.99	20.23			
10	16QAM	25	12	20.20	20.10	20.26			
10	16QAM	25	25	20.32	20.31	20.16	21.5	0	
10	16QAM	50	0	20.08	20.10	20.13			
10	64QAM	1	0	20.07	20.35	20.32			
10	64QAM	1	25	20.10	20.36	20.24			
10	64QAM	1	49	20.21	20.19	20.05			
10	64QAM	25	0	20.13	20.16	20.21			
10	64QAM	25	12	20.15	20.44	20.27	21.5	0	
10	64QAM	25	25	20.17	20.14	20.24			
10	64QAM	50	0	20.34	20.12	20.20			
Channel				20775	21100	21425	21.5	0	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	20.07	20.37	20.04	21.5	0	
5	QPSK	1	12	20.30	20.08	20.28			
5	QPSK	1	24	20.24	19.99	20.24			
5	QPSK	12	0	20.20	20.30	20.20			
5	QPSK	12	7	20.23	19.94	20.15			
5	QPSK	12	13	20.25	20.37	20.27			
5	QPSK	25	0	20.16	20.23	20.05	21.5	0	
5	16QAM	1	0	20.31	20.14	20.20			
5	16QAM	1	12	20.10	20.30	20.24			
5	16QAM	1	24	20.14	20.55	20.32			
5	16QAM	12	0	20.19	19.99	20.15			
5	16QAM	12	7	20.18	20.10	20.24			
5	16QAM	12	13	20.09	20.31	20.40	21.5	0	
5	16QAM	25	0	20.11	19.94	20.05			
5	64QAM	1	0	20.04	20.35	20.36			
5	64QAM	1	12	20.20	20.43	20.12			
5	64QAM	1	24	20.16	20.00	20.17			
5	64QAM	12	0	20.06	20.20	20.27			
5	64QAM	12	7	20.06	20.35	20.10	21.5	0	
5	64QAM	12	13	19.99	19.99	20.28			
5	64QAM	25	0	20.16	20.09	20.02			
5	64QAM	25	0	20.16	20.09	20.02			

Band 38 Ant2 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	20.5	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	19.34	19.52	19.47	20.5	0	
20	QPSK	1	49	19.14	19.18	19.16			
20	QPSK	1	99	19.06	19.37	19.40			
20	QPSK	50	0	19.32	19.48	19.46			
20	QPSK	50	24	19.26	19.06	19.32	20.5	0	
20	QPSK	50	50	19.16	19.30	19.31			
20	QPSK	100	0	19.28	19.36	19.17			
20	16QAM	1	0	19.10	19.11	19.26			
20	16QAM	1	49	19.02	19.42	19.21	20.5	0	
20	16QAM	1	99	19.37	19.48	19.29			
20	16QAM	50	0	19.15	19.10	19.26			
20	16QAM	50	24	19.07	19.37	19.24			
20	16QAM	50	50	19.40	19.35	19.40	20.5	0	
20	16QAM	100	0	19.31	19.11	19.35			
20	64QAM	1	0	19.07	19.33	19.44			
20	64QAM	1	49	19.37	19.31	19.27			
20	64QAM	1	99	19.20	19.23	19.22	20.5	0	
20	64QAM	50	0	19.18	19.32	19.38			
20	64QAM	50	24	19.29	19.40	19.30			
20	64QAM	50	50	19.31	19.26	19.18			
20	64QAM	100	0	19.20	19.43	19.36	20.5	0	
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)		MPR (dB)
15	QPSK	1	0	19.17	19.16	19.31	20.5	0	
15	QPSK	1	37	18.96	18.99	19.10			
15	QPSK	1	74	19.06	19.38	19.29			
15	QPSK	36	0	19.23	19.42	19.28			
15	QPSK	36	20	19.27	18.97	19.29	20.5	0	
15	QPSK	36	39	19.15	19.11	19.22			
15	QPSK	75	0	19.30	19.31	19.32			
15	16QAM	1	0	19.10	19.01	19.06			
15	16QAM	1	37	18.99	19.25	19.07	20.5	0	
15	16QAM	1	74	19.34	19.44	19.08			
15	16QAM	36	0	19.09	18.97	19.22			
15	16QAM	36	20	19.02	19.29	19.09			
15	16QAM	36	39	19.24	19.37	19.36	20.5	0	
15	16QAM	75	0	19.27	19.06	19.22			
15	64QAM	1	0	18.94	19.28	19.23			
15	64QAM	1	37	19.24	19.16	19.09			
15	64QAM	1	74	19.05	19.18	19.04	20.5	0	
15	64QAM	36	0	19.08	19.19	19.18			
15	64QAM	36	20	19.27	19.26	19.23			
15	64QAM	36	39	19.16	19.27	19.14			
15	64QAM	75	0	19.14	19.29	19.32	20.5	0	
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615	Tune-up limit (dBm)		MPR (dB)
10	QPSK	1	0	19.29	19.26	19.30	20.5	0	
10	QPSK	1	25	18.97	18.99	19.01			
10	QPSK	1	49	19.05	19.39	19.19			
10	QPSK	25	0	19.29	19.36	19.32			
10	QPSK	25	12	19.08	18.93	19.24	20.5	0	
10	QPSK	25	25	18.99	19.29	19.29			
10	QPSK	50	0	19.28	19.14	19.37			
10	16QAM	1	0	18.99	19.08	19.11			
10	16QAM	1	25	19.00	19.32	19.04	20.5	0	
10	16QAM	1	49	19.34	19.31	19.28			
10	16QAM	25	0	19.12	19.08	19.12			
10	16QAM	25	12	18.87	19.18	19.24			
10	16QAM	25	25	19.23	19.31	19.19	20.5	0	
10	16QAM	50	0	19.15	18.99	19.19			
10	64QAM	1	0	19.08	19.23	19.36			
10	64QAM	1	25	19.32	19.18	19.23			
10	64QAM	1	49	19.11	19.17	19.05	20.5	0	
10	64QAM	25	0	18.99	19.33	19.37			
10	64QAM	25	12	19.21	19.33	19.11			
10	64QAM	25	25	19.23	19.18	19.02			
10	64QAM	50	0	19.16	19.29	19.32	20.5	0	
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5	Tune-up limit (dBm)		MPR (dB)
5	QPSK	1	0	19.22	19.35	19.28	20.5	0	
5	QPSK	1	12	19.15	19.11	19.11			
5	QPSK	1	24	19.05	19.36	19.20			
5	QPSK	12	0	19.32	19.51	19.38			
5	QPSK	12	7	19.21	19.07	19.13	20.5	0	
5	QPSK	12	13	19.02	19.10	19.13			
5	QPSK	25	0	19.20	19.18	19.35			
5	16QAM	1	0	19.01	19.08	19.06			
5	16QAM	1	12	18.87	19.28	19.15	20.5	0	
5	16QAM	1	24	19.28	19.36	19.12			
5	16QAM	12	0	19.07	19.02	19.18			
5	16QAM	12	7	18.88	19.21	19.22			
5	16QAM	12	13	19.19	19.34	19.24	20.5	0	
5	16QAM	25	0	19.32	19.12	19.31			
5	64QAM	1	0	18.96	19.31	19.35			
5	64QAM	1	12	19.33	19.29	19.21			
5	64QAM	1	24	19.01	19.17	19.02	20.5	0	
5	64QAM	12	0	19.12	19.16	19.32			
5	64QAM	12	7	19.21	19.32	19.16			
5	64QAM	12	13	19.32	19.10	19.15			
5	64QAM	25	0	19.03	19.23	19.32	20.5	0	
Channel				37750	38000	38150			
Frequency (MHz)				2570	2595	2610	Tune-up limit (dBm)		MPR (dB)

Band 41 Ant2 DSI2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	21	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	19.96	19.95	20.08	19.58	19.91	21	0
20	QPSK	1	49	19.82	19.95	19.88	19.73	20.01		
20	QPSK	1	99	19.76	19.86	19.92	19.58	19.91		
20	QPSK	50	0	19.85	19.88	19.91	19.77	19.79		
20	QPSK	50	24	19.81	19.74	19.84	19.67	19.80	21	0
20	QPSK	50	50	19.83	19.77	19.87	19.64	19.82		
20	QPSK	100	0	19.79	19.80	19.86	19.67	19.81		
20	16QAM	1	0	19.83	19.90	19.85	19.76	19.95		
20	16QAM	1	49	19.80	19.90	19.95	19.75	19.82	21	0
20	16QAM	1	99	19.87	19.86	20.04	19.57	19.85		
20	16QAM	50	0	19.90	19.94	19.92	19.57	19.98		
20	16QAM	50	24	19.90	19.83	19.86	19.67	19.78		
20	16QAM	50	50	19.75	19.80	19.92	19.64	19.82	21	0
20	16QAM	100	0	19.81	19.94	20.00	19.69	19.90		
20	64QAM	1	0	19.74	19.79	19.92	19.66	20.00		
20	64QAM	1	49	19.76	19.95	20.01	19.62	19.90		
20	64QAM	1	99	19.92	19.76	19.87	19.75	19.88	21	0
20	64QAM	50	0	19.96	19.95	20.02	19.66	19.89		
20	64QAM	50	24	19.82	19.82	19.92	19.79	19.95		
20	64QAM	50	50	19.83	19.86	20.02	19.78	19.88		
20	64QAM	100	0	19.89	19.96	20.02	19.78	19.85	21	0
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	19.84	19.88	19.85	19.49	19.77	21.00	0
15	QPSK	1	37	19.78	19.88	19.94	19.70	19.95		
15	QPSK	1	74	19.75	19.80	19.70	19.81	19.80		
15	QPSK	36	0	19.69	19.68	19.85	19.60	19.66		
15	QPSK	36	20	19.73	19.54	19.70	19.59	19.62	21	0
15	QPSK	36	39	19.66	19.70	19.68	19.53	19.74		
15	QPSK	75	0	19.77	19.87	19.75	19.58	19.65		
15	16QAM	1	0	19.63	19.74	19.73	19.76	19.95		
15	16QAM	1	37	19.69	19.78	19.80	19.75	19.81	21	0
15	16QAM	1	74	19.61	19.86	19.96	19.52	19.79		
15	16QAM	36	0	19.71	19.77	19.87	19.42	19.79		
15	16QAM	36	20	19.80	19.72	19.76	19.68	19.66		
15	16QAM	36	39	19.61	19.62	19.92	19.61	19.84	21	0
15	16QAM	75	0	19.82	19.83	19.94	19.67	19.90		
15	16QAM	1	0	19.56	19.73	19.80	19.54	19.98		
15	64QAM	1	37	19.68	19.94	19.86	19.57	19.74		
15	64QAM	1	74	19.79	19.56	19.89	19.67	19.76	21	0
15	64QAM	36	0	19.97	19.95	20.01	19.60	19.69		
15	64QAM	36	20	19.80	19.73	19.88	19.60	19.96		
15	64QAM	36	39	19.63	19.74	19.97	19.78	19.84		
15	64QAM	75	0	19.77	19.94	19.98	19.75	19.65	21	0
Channel				39700	40160	40620	41080	41540		
Frequency (MHz)				2501	2547	2593	2639	2685	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	19.97	19.77	19.86	19.69	19.82	21.00	0
10	QPSK	1	25	19.69	19.94	19.89	19.51	19.79		
10	QPSK	1	49	19.68	19.67	19.80	19.55	19.82		
10	QPSK	25	0	19.73	19.80	19.81	19.58	19.72		
10	QPSK	25	12	19.80	19.71	19.73	19.66	19.73	21	0
10	QPSK	25	25	19.80	19.65	19.89	19.44	19.61		
10	QPSK	50	0	19.64	19.85	19.61	19.49	19.73		
10	16QAM	1	0	19.70	19.85	19.85	19.57	19.76		
10	16QAM	1	25	19.69	19.71	19.78	19.72	19.84	21	0
10	16QAM	1	49	19.68	19.76	20.05	19.58	19.65		
10	16QAM	25	0	19.86	19.80	19.92	19.42	19.90		
10	16QAM	25	12	19.75	19.72	19.85	19.54	19.66		
10	16QAM	25	25	19.64	19.60	19.77	19.52	19.70	21	0
10	16QAM	50	0	19.65	19.89	19.96	19.70	19.88		
10	64QAM	1	0	19.56	19.60	19.93	19.57	20.01		
10	64QAM	1	25	19.57	19.88	19.94	19.52	19.90		
10	64QAM	1	49	19.73	19.61	19.70	19.69	19.72	21	0
10	64QAM	25	0	19.81	19.86	19.92	19.46	19.69		
10	64QAM	25	12	19.72	19.64	19.75	19.61	19.90		
10	64QAM	25	25	19.75	19.80	19.90	19.76	19.83		
10	64QAM	50	0	19.84	19.94	19.84	19.69	19.83	21	0
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	19.86	19.88	19.75	19.55	19.86	21.00	0
5	QPSK	1	12	19.78	19.77	20.06	19.68	19.91		
5	QPSK	1	24	19.71	19.74	19.72	19.58	19.87		
5	QPSK	12	0	19.74	19.71	19.77	19.57	19.59		
5	QPSK	12	7	19.62	19.73	19.78	19.50	19.68	21	0
5	QPSK	12	13	19.84	19.59	19.73	19.55	19.70		
5	QPSK	25	0	19.60	19.64	19.74	19.67	19.74		
5	16QAM	1	0	19.79	19.82	19.65	19.55	19.88		
5	16QAM	1	12	19.64	19.89	19.92	19.55	19.63	21	0
5	16QAM	1	24	19.71	19.70	19.97	19.57	19.69		
5	16QAM	12	0	19.87	19.89	19.76	19.47	19.93		
5	16QAM	12	7	19.90	19.77	19.65	19.62	19.66		
5	16QAM	12	13	19.71	19.76	19.76	19.43	19.71	21	0
5	16QAM	25	0	19.64	19.82	19.84	19.55	19.74		
5	64QAM	1	0	19.72	19.62	19.89	19.50	19.79		
5	64QAM	1	12	19.59	19.94	19.90	19.59	19.74		
5	64QAM	1	24	19.75	19.56	19.75	19.71	19.68	21	0
5	64QAM	12	0	19.81	19.76	19.94	19.47	19.72		
5	64QAM	12	7	19.64	19.84	19.71	19.67	19.88		
5	64QAM	12	13	19.63	19.75	19.94	19.74	19.74		
5	64QAM	25	0	19.75	19.86	20.04	19.61	19.81	21	0
Channel				39650	40123	40620	41068	41540		
Frequency (MHz)				2496.0	2543.3	2588	2634.8	2680.0	Tune-up limit (dBm)	MPR (dB)

GSM850 Ant4 Default power									
GSM850		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot		33.01	33.07	32.85	33.50	24.01	24.07	23.85	24.50
GPRS 1 Tx slot		33.11	33.12	33.09	33.50	24.11	24.12	24.09	24.50
GPRS 2 Tx slots		30.46	30.61	30.52	31.00	24.46	24.61	24.52	25.00
GPRS 3 Tx slots		29.23	29.26	29.19	29.50	24.97	25.00	24.93	25.24
GPRS 4 Tx slots		27.66	27.68	27.67	28.00	24.66	24.68	24.67	25.00
EDGE 1 Tx slot		27.79	27.82	27.73	28.50	18.79	18.82	18.73	19.50
EDGE 2 Tx slots		25.03	25.07	24.95	25.50	19.03	19.07	18.95	19.50
EDGE 3 Tx slots		23.11	23.04	22.85	24.00	18.85	18.78	18.59	19.74
EDGE 4 Tx slots		21.98	21.92	21.76	22.50	18.98	18.92	18.76	19.50

		GSM1900 Ant4 Default power							
GSM1900		Burst Average Power (dbm)			Tune-up Limit (dbm)	Frame-Average Power (dbm)			Tune-up Limit (dbm)
TX Channel		512	561	810		512	561	810	
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot		29.54	29.74	29.58	30.50	20.54	20.74	20.58	21.50
GPRS 1 Tx slot		29.62	29.79	29.59	30.50	20.62	20.79	20.59	21.50
GPRS 2 Tx slots		26.04	26.22	26.03	27.50	20.04	20.22	20.03	21.50
GPRS 3 Tx slots		24.22	24.21	24.21	26.00	19.96	19.95	19.95	21.74
GPRS 4 Tx slots		23.21	23.25	23.24	24.50	20.21	20.25	20.24	21.50
EDGE 1 Tx slot		26.08	26.08	26.00	27.50	17.08	17.08	17.00	18.50
EDGE 2 Tx slots		23.09	23.14	23.14	24.50	17.09	17.14	17.14	18.50
EDGE 3 Tx slots		21.87	21.96	21.86	23.00	17.61	17.70	17.60	18.74
EDGE 4 Tx slots		20.61	20.69	20.53	21.50	17.61	17.69	17.53	18.50

WCDMA II Ant4 Default power					WCDMA IV Ant4 Default power					WCDMA V Ant4 Default power				
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)	
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233		
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458		
Frequency (MHz)		1852.4	1860	1867.6		1712.4	1732.6	1752.6		820.4	836.4	846.6		
3GPP Rel 99	AMR 12.2Kbps	23.98	24.08	24.02	25.00	23.78	23.81	23.77	25.00	24.08	24.22	24.15	25.50	
3GPP Rel 99	RMC 12.2Kbps	24.06	24.12	24.06	25.00	23.86	23.87	23.84	25.00	24.28	24.31	24.29	25.50	
3GPP Rel 6	HSDPA Subtest-1	23.13	23.02	22.90	24.00	22.90	22.83	22.70	24.00	23.24	23.48	23.33	24.50	
3GPP Rel 6	HSDPA Subtest-2	22.94	22.96	22.98	24.00	22.86	22.84	22.83	24.00	23.24	23.18	23.47	24.50	
3GPP Rel 6	HSDPA Subtest-3	22.66	22.53	22.57	23.50	22.39	22.20	22.36	23.50	22.89	22.90	22.89	24.00	
3GPP Rel 6	HSDPA Subtest-4	22.60	22.75	22.60	23.50	22.17	22.29	22.20	23.50	22.80	22.68	22.80	24.00	
3GPP Rel 8	DC-HSDPA Subtest-1	22.93	23.02	23.11	24.00	22.99	22.99	22.95	24.00	23.22	23.35	23.31	24.50	
3GPP Rel 8	DC-HSDPA Subtest-2	22.94	23.08	23.24	24.00	22.89	22.89	22.86	24.00	23.32	23.21	23.35	24.50	
3GPP Rel 8	DC-HSDPA Subtest-3	22.63	22.64	22.60	23.50	22.37	22.33	22.29	23.50	22.70	22.96	22.73	24.00	
3GPP Rel 8	DC-HSDPA Subtest-4	22.47	22.76	22.70	23.50	22.36	22.24	22.39	23.50	22.77	22.98	22.84	24.00	
3GPP Rel 6	HSUPA Subtest-1	22.88	23.21	22.97	24.00	22.93	22.74	22.74	24.00	23.26	23.24	23.35	24.50	
3GPP Rel 6	HSUPA Subtest-2	20.96	21.11	21.20	22.00	20.80	20.86	20.93	22.00	21.18	21.25	21.31	22.50	
3GPP Rel 6	HSUPA Subtest-3	21.93	22.12	21.93	23.00	21.80	21.89	21.67	23.00	22.31	22.32	22.27	23.50	
3GPP Rel 6	HSUPA Subtest-4	21.13	21.21	21.15	22.00	20.88	20.90	20.72	22.00	21.35	21.43	21.34	22.50	
3GPP Rel 6	HSUPA Subtest-5	23.00	23.13	23.06	24.00	22.68	23.01	22.89	24.00	23.12	23.29	23.43	24.50	
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.45	20.52	20.55	21.50	20.36	20.38	20.35	21.50	20.87	20.87	20.90	22.00	

Reduced power level for WWAN DSI3

		GSM850 Ant1 Default power							
GSM850		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot		32.60	32.76	32.75	33.50	23.60	23.76	23.75	24.50
GPRS 1 Tx slot		32.69	32.78	32.69	33.50	23.69	23.78	23.69	24.50
GPRS 2 Tx slots		30.09	30.29	30.29	31.00	24.09	24.29	24.29	25.00
GPRS 3 Tx slots		29.10	29.22	29.03	29.50	24.84	24.96	24.77	25.24
GPRS 4 Tx slots		27.05	27.14	27.03	28.00	24.05	24.14	24.03	25.00
EDGE 1 Tx slot		27.03	27.18	27.01	28.50	18.03	18.18	18.01	19.50
EDGE 2 Tx slots		24.22	24.41	24.43	25.50	18.22	18.41	18.43	19.50
EDGE 3 Tx slots		22.15	22.36	22.27	24.00	17.89	18.10	18.01	19.74
EDGE 4 Tx slots		21.08	21.15	20.94	22.50	18.08	18.15	17.94	19.50

GSM1900 Ant1 DSI3									
GSM1900		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1860	1900.8		1850.2	1860	1900.8	
GSM 1 Tx slot		25.71	25.75	25.68	26.50	16.71	16.75	16.68	17.50
GPRS 1 Tx slot		25.76	25.78	25.72	26.50	16.76	16.78	16.72	17.50
GPRS 2 Tx slots		22.83	22.81	22.76	23.50	16.83	16.81	16.76	17.50
GPRS 3 Tx slots		20.75	20.80	20.73	22.00	16.49	16.54	16.47	17.74
GPRS 4 Tx slots		19.69	19.68	19.64	20.50	16.69	16.68	16.64	17.50
EDGE 1 Tx slot		22.23	22.29	22.31	23.50	13.23	13.29	13.31	14.50
EDGE 2 Tx slots		18.97	18.95	18.91	20.50	12.97	12.95	12.91	14.50
EDGE 3 Tx slots		17.41	17.31	17.25	19.00	13.15	13.05	12.99	14.74
EDGE 4 Tx slots		15.84	15.83	15.86	17.50	12.84	12.83	12.86	14.50

WCDMA II Ant1 DSI3					WCDMA IV Ant1 DSI3					WCDMA V Ant1 DSI3				
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)	
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233		
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458		
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6		
3GPP Rel 99	AMR 12.2Kbps	18.48	18.58	18.57	20.00	18.99	19.11	18.98	20.50	22.86	22.91	22.88	24.50	
3GPP Rel 99	RMC 12.2Kbps	18.65	18.66	18.62	20.00	19.08	19.16	19.10	20.50	22.94	23.03	22.98	24.50	
3GPP Rel 6	HSDPA Subtest-1	17.27	17.61	17.71	19.00	18.29	18.16	18.33	19.50	22.14	22.24	21.99	23.50	
3GPP Rel 6	HSDPA Subtest-2	17.65	17.44	17.31	19.00	18.27	18.31	18.35	19.50	22.26	22.20	22.17	23.50	
3GPP Rel 6	HSDPA Subtest-3	16.98	17.23	17.02	18.50	17.79	17.97	17.75	19.00	21.38	21.66	21.68	23.00	
3GPP Rel 6	HSDPA Subtest-4	16.99	17.23	16.85	18.50	18.09	18.31	18.20	19.00	22.34	22.27	22.04	23.00	
3GPP Rel 8	DC-HSDPA Subtest-1	17.67	17.48	17.60	19.00	18.35	18.15	18.35	19.50	21.93	22.05	22.29	23.50	
3GPP Rel 8	DC-HSDPA Subtest-2	17.30	17.73	17.52	19.00	18.39	18.47	18.20	19.50	22.20	22.19	22.09	23.50	
3GPP Rel 8	DC-HSDPA Subtest-3	17.21	17.21	17.09	18.50	17.64	18.02	17.92	19.00	21.46	21.69	21.60	23.00	
3GPP Rel 8	DC-HSDPA Subtest-4	16.97	17.23	16.94	18.50	17.65	17.86	17.67	19.00	21.61	21.55	21.52	23.00	
3GPP Rel 6	HSPA Subtest-1	17.37	17.57	17.70	19.00	18.15	18.17	18.28	19.50	21.87	22.14	22.20	23.50	
3GPP Rel 6	HSPA Subtest-2	15.85	15.66	15.45	17.00	16.33	16.45	16.10	17.50	20.12	20.17	20.18	21.50	
3GPP Rel 6	HSPA Subtest-3	16.61	16.89	16.40	18.00	17.23	17.26	17.20	18.50	20.96	21.13	21.23	22.50	
3GPP Rel 6	HSPA Subtest-4	15.30	15.55	15.36	17.00	16.21	16.28	16.17	17.50	20.25	20.24	20.16	21.50	
3GPP Rel 6	HSPA Subtest-5	17.55	17.85	17.77	19.00	18.15	18.04	18.36	19.50	22.12	22.06	22.15	23.50	
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	15.13	15.25	15.14	16.50	15.79	15.68	15.81	17.00	19.72	19.64	19.63	21.00	

Band 7 Ant2 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				20850	21100	21350	24.5	0	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	23.32	23.48	23.37			
20	QPSK	1	49	23.28	23.21	23.34			
20	QPSK	1	99	23.22	23.35	23.41	23.5	1	
20	QPSK	50	0	22.39	22.57	22.43			
20	QPSK	50	24	22.36	22.38	22.44			
20	QPSK	50	50	22.25	22.32	22.38			
20	QPSK	100	0	22.27	22.54	22.40	23.5	1	
20	16QAM	1	0	22.58	22.46	22.60			
20	16QAM	1	49	22.52	22.43	22.57			
20	16QAM	1	99	22.40	22.48	22.35			
20	16QAM	50	0	21.52	21.56	21.45	22.5	2	
20	16QAM	50	24	21.36	21.58	21.35			
20	16QAM	50	50	21.36	21.38	21.43			
20	16QAM	100	0	21.45	21.38	21.39			
20	64QAM	1	0	21.51	21.42	21.48	22.5	2	
20	64QAM	1	49	21.29	21.45	21.28			
20	64QAM	1	99	21.32	21.33	21.38			
20	64QAM	50	0	20.59	20.76	20.63			
20	64QAM	50	24	20.43	20.55	20.51	21.5	3	
20	64QAM	50	50	20.58	20.51	20.54			
20	64QAM	100	0	20.32	20.31	20.39			
Channel				20825	21100	21375	24.5	0	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	23.24	23.45	23.29			
15	QPSK	1	37	23.29	23.16	23.31			
15	QPSK	1	74	23.21	23.33	23.31	23.5	1	
15	QPSK	36	0	22.39	22.50	22.40			
15	QPSK	36	20	22.32	22.29	22.40			
15	QPSK	36	39	22.22	22.27	22.34			
15	QPSK	75	0	22.25	22.51	22.38	23.5	1	
15	16QAM	1	0	22.54	22.45	22.61			
15	16QAM	1	37	22.44	22.34	22.51			
15	16QAM	1	74	22.33	22.47	22.32			
15	16QAM	36	0	21.46	21.51	21.46	22.5	2	
15	16QAM	36	20	21.34	21.54	21.33			
15	16QAM	36	39	21.37	21.38	21.44			
15	16QAM	75	0	21.40	21.29	21.37			
15	64QAM	1	0	21.41	21.32	21.39	22.5	2	
15	64QAM	1	37	21.19	21.36	21.28			
15	64QAM	1	74	21.23	21.24	21.40			
15	64QAM	36	0	20.61	20.66	20.56			
15	64QAM	36	20	20.40	20.47	20.46	21.5	3	
15	64QAM	36	39	20.55	20.45	20.50			
15	64QAM	75	0	20.32	20.29	20.34			
Channel				20800	21100	21400	24.5	0	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	23.26	23.40	23.32			
10	QPSK	1	25	23.29	23.14	23.32			
10	QPSK	1	49	23.21	23.36	23.43	23.5	1	
10	QPSK	25	0	22.38	22.57	22.37			
10	QPSK	25	12	22.36	22.29	22.42			
10	QPSK	25	25	22.24	22.30	22.32			
10	QPSK	50	0	22.19	22.54	22.31	23.5	1	
10	16QAM	1	0	22.57	22.42	22.60			
10	16QAM	1	25	22.48	22.39	22.56			
10	16QAM	1	49	22.36	22.49	22.35			
10	16QAM	25	0	21.50	21.52	21.46	22.5	2	
10	16QAM	25	12	21.35	21.55	21.32			
10	16QAM	25	25	21.35	21.29	21.44			
10	16QAM	50	0	21.37	21.40	21.30			
10	64QAM	1	0	21.44	21.33	21.47	22.5	2	
10	64QAM	1	25	21.30	21.47	21.20			
10	64QAM	1	49	21.31	21.33	21.32			
10	64QAM	25	0	20.54	20.75	20.65			
10	64QAM	25	12	20.36	20.50	20.48	21.5	3	
10	64QAM	25	25	20.58	20.46	20.48			
10	64QAM	50	0	20.34	20.30	20.35			
Channel				20775	21100	21425	24.5	0	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	23.29	23.38	23.35			
5	QPSK	1	12	23.29	23.22	23.26			
5	QPSK	1	24	23.19	23.35	23.42	23.5	1	
5	QPSK	12	0	22.31	22.55	22.36			
5	QPSK	12	7	22.33	22.37	22.41			
5	QPSK	12	13	22.24	22.33	22.35			
5	QPSK	25	0	22.18	22.46	22.36	23.5	1	
5	16QAM	1	0	22.55	22.45	22.54			
5	16QAM	1	12	22.45	22.34	22.54			
5	16QAM	1	24	22.32	22.43	22.33			
5	16QAM	12	0	21.46	21.52	21.42	22.5	2	
5	16QAM	12	7	21.35	21.49	21.36			
5	16QAM	12	13	21.30	21.36	21.37			
5	16QAM	25	0	21.41	21.33	21.30			
5	64QAM	1	0	21.51	21.42	21.47	22.5	2	
5	64QAM	1	12	21.22	21.43	21.26			
5	64QAM	1	24	21.33	21.24	21.31			
5	64QAM	12	0	20.54	20.77	20.63			
5	64QAM	12	7	20.41	20.48	20.45	21.5	3	
5	64QAM	12	13	20.57	20.43	20.46			
5	64QAM	25	0	20.33	20.29	20.38			

GSM850 Ant4 Default power								
GSM850		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)		
TX Channel		128	189	251		128	189	251
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8
GSM 1 Tx slot		33.01	33.07	32.85	33.50	24.01	24.07	23.85
GPRS 1 Tx slot		33.11	33.12	33.09	33.50	24.11	24.12	24.09
GPRS 2 Tx slot		30.46	30.61	30.52	31.00	24.46	24.61	24.52
GPRS 3 Tx slot		29.23	29.26	29.19	29.50	24.97	25.00	24.93
GPRS 4 Tx slot		27.66	27.68	27.67	28.00	24.66	24.68	24.67
EDGE 1 Tx slot		27.79	27.82	27.73	28.50	18.79	18.82	18.73
EDGE 2 Tx slot		25.03	25.07	24.95	25.50	19.03	19.07	18.95
EDGE 3 Tx slot		23.11	23.04	22.85	24.00	18.85	18.78	18.59
EDGE 4 Tx slot		21.98	21.92	21.76	22.50	18.98	18.92	18.76

GSM1900 Ant4 Default power								
GSM1900		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)		
TX Channel		512	661	810		512	661	810
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8
GSM 1 Tx slot		29.54	29.74	29.58	30.50	20.54	20.74	20.58
GPRS 1 Tx slot		29.62	29.79	29.59	30.50	20.62	20.79	20.59
GPRS 2 Tx slot		26.04	26.22	26.03	27.50	20.04	20.22	20.03
GPRS 3 Tx slot		24.22	24.21	24.21	26.00	19.96	19.95	19.95
GPRS 4 Tx slot		23.21	23.25	23.24	24.50	20.21	20.25	20.24
EDGE 1 Tx slot		26.08	26.08	26.00	27.50	17.08	17.08	17.00
EDGE 2 Tx slot		23.09	23.14	23.14	24.50	17.09	17.14	17.14
EDGE 3 Tx slot		21.87	21.96	21.86	23.00	17.61	17.70	17.60
EDGE 4 Tx slot		20.61	20.69	20.53	21.50	17.61	17.69	17.53

WCDMA II Ant4 Default power					WCDMA IV Ant4 Default power				WCDMA V Ant4 Default power			
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V		
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458
Frequency (MHz)		1652.4	1680	1707.6		1712.4	1723.5	1752.6		2633.4	2654	2683.6
3GPP Rel 99	AMR 12.2Kbps	23.88	24.06	24.02	25.00	23.78	23.61	23.77	25.00	24.08	24.22	24.15
3GPP Rel 99	RMC 12.2Kbps	24.06	24.12	24.08	25.00	23.86	23.87	23.84	25.00	24.28	24.31	24.29
3GPP Rel 6	HSDPA Subtest-1	23.13	23.02	22.90	24.00	22.90	22.83	22.70	24.00	23.24	23.48	23.33
3GPP Rel 6	HSDPA Subtest-2	22.94	22.96	22.98	24.00	22.86	22.84	22.83	24.00	23.24	23.18	23.47
3GPP Rel 6	HSDPA Subtest-3	22.86	22.53	22.57	23.50	22.39	22.20	22.36	23.50	22.89	22.90	22.89
3GPP Rel 6	HSDPA Subtest-4	22.60	22.75	22.60	23.50	22.17	22.29	22.20	23.50	22.80	22.68	22.80
3GPP Rel 8	DC-HSDPA Subtest-1	22.93	23.02	23.11	24.00	22.99	22.99	22.95	24.00	23.22	23.35	23.31
3GPP Rel 8	DC-HSDPA Subtest-2	22.94	23.08	23.24	24.00	22.89	22.89	22.86	24.00	23.32	23.21	23.35
3GPP Rel 8	DC-HSDPA Subtest-3	22.63	22.64	22.60	23.50	22.37	22.33	22.29	23.50	22.70	22.96	22.73
3GPP Rel 8	DC-HSDPA Subtest-4	22.47	22.76	22.70	23.50	22.36	22.34	22.39	23.50	22.77	22.98	22.84
3GPP Rel 6	HSUPA Subtest-1	22.88	23.21	22.97	24.00	22.93	22.74	22.74	24.00	23.26	23.24	23.35
3GPP Rel 6	HSUPA Subtest-2	20.96	21.11	21.20	22.00	20.80	20.86	20.93	22.00	21.18	21.25	21.31
3GPP Rel 6	HSUPA Subtest-3	21.93	22.12	21.93	23.00	21.80	21.89	21.67	23.00	22.31	22.32	22.27
3GPP Rel 6	HSUPA Subtest-4	21.13	21.21	21.15	22.00	20.88	20.90	20.72	22.00	21.35	21.43	21.34
3GPP Rel 6	HSUPA Subtest-5	23.00	23.13	23.06	24.00	22.68	23.01	22.89	24.00	23.12	23.29	23.43
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.45	20.52	20.55	21.50	20.36	20.38	20.35	21.50	20.87	20.87	20.90

Band 5 Ant4 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				20450	20525	20600			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	24.15	24.24	24.16	25.5	0	
10	QPSK	1	25	24.00	23.96	24.03			
10	QPSK	1	49	23.92	23.79	23.97			
10	QPSK	25	0	22.96	23.13	23.10	24.5	1	
10	QPSK	25	12	22.96	22.96	22.98			
10	QPSK	25	25	22.88	22.85	22.89			
10	QPSK	50	0	22.88	23.09	22.92	24.5	1	
10	16QAM	1	0	22.88	22.90	22.86			
10	16QAM	1	25	22.90	22.85	22.90			
10	16QAM	1	49	22.80	22.83	22.75	23.5	2	
10	16QAM	25	0	22.06	22.13	22.21			
10	16QAM	25	12	21.86	22.13	21.95			
10	16QAM	25	25	21.97	21.87	22.04	22.5	3	
10	16QAM	50	0	21.99	21.64	22.13			
10	64QAM	1	0	22.00	22.05	22.07			
10	64QAM	1	25	21.77	22.04	21.83	23.5	2	
10	64QAM	1	49	21.92	21.81	21.90			
10	64QAM	25	0	21.21	21.07	21.37			
10	64QAM	25	12	21.30	21.34	21.29	22.5	3	
10	64QAM	25	25	21.19	21.15	21.51			
10	64QAM	50	0	20.83	20.84	20.70			
Channel				829.5	836.5	846.5	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829.5	836.5	846.5			
5	QPSK	1	0	23.96	24.11	24.00	25.5	0	
5	QPSK	1	12	23.84	23.79	23.93			
5	QPSK	1	24	23.76	23.61	23.79			
5	QPSK	12	0	22.83	22.93	22.95	24.5	1	
5	QPSK	12	7	22.79	22.83	22.88			
5	QPSK	12	13	22.70	22.76	22.76			
5	QPSK	25	0	22.94	22.93	22.79	24.5	1	
5	16QAM	1	0	22.77	22.77	22.78			
5	16QAM	1	12	22.71	22.66	22.72			
5	16QAM	1	24	22.64	22.67	22.64	23.5	2	
5	16QAM	12	0	21.90	21.96	22.04			
5	16QAM	12	7	21.71	21.96	21.76			
5	16QAM	12	13	21.81	21.74	21.89	23.5	2	
5	16QAM	25	0	22.04	22.10	22.09			
5	64QAM	1	0	21.88	21.87	21.92			
5	64QAM	1	12	21.57	21.87	21.71	23.5	2	
5	64QAM	1	24	21.80	21.64	21.74			
5	64QAM	12	0	21.02	20.88	21.27			
5	64QAM	12	7	21.12	21.17	21.16	22.5	3	
5	64QAM	12	13	21.06	20.96	21.34			
5	64QAM	25	0	20.64	20.73	20.51			
Channel				829.5	836.5	847.5	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829.5	836.5	847.5			
3	QPSK	1	0	23.96	24.07	23.99	25.5	0	
3	QPSK	1	8	23.88	23.82	23.89			
3	QPSK	1	14	23.77	23.68	23.82			
3	QPSK	8	0	22.86	22.96	22.91	24.5	1	
3	QPSK	8	4	22.88	22.76	22.88			
3	QPSK	8	7	22.70	22.84	22.73			
3	QPSK	15	0	22.68	22.95	22.76	24.5	1	
3	16QAM	1	0	22.68	22.70	22.70			
3	16QAM	1	8	22.77	22.69	22.79			
3	16QAM	1	14	22.61	22.69	22.59	23.5	2	
3	16QAM	8	0	21.87	22.01	22.11			
3	16QAM	8	4	21.73	21.95	21.80			
3	16QAM	8	7	21.62	21.68	21.61	23.5	2	
3	16QAM	15	0	22.06	22.23	22.09			
3	64QAM	1	0	21.86	21.90	21.93			
3	64QAM	1	8	21.60	21.85	21.70	23.5	2	
3	64QAM	1	14	21.80	21.67	21.76			
3	64QAM	8	0	21.02	20.89	21.27			
3	64QAM	8	4	21.17	21.17	21.10	22.5	3	
3	64QAM	8	7	21.06	21.02	21.38			
3	64QAM	15	0	20.71	20.68	20.50			
Channel				824.7	836.5	848.3	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	23.95	24.07	24.05	25.5	0	
1.4	QPSK	1	3	23.87	23.81	23.90			
1.4	QPSK	1	5	23.80	23.62	23.83			
1.4	QPSK	3	0	23.78	23.96	23.95	24.5	1	
1.4	QPSK	3	1	23.77	23.84	23.98			
1.4	QPSK	3	3	23.72	23.75	23.72			
1.4	QPSK	6	0	22.72	22.93	22.78	24.5	1	
1.4	16QAM	1	0	22.70	22.74	22.74			
1.4	16QAM	1	3	22.71	22.69	22.78			
1.4	16QAM	1	5	22.67	22.67	22.58	24.5	1	
1.4	16QAM	3	0	22.93	23.03	23.10			
1.4	16QAM	3	1	22.68	22.85	22.80			
1.4	16QAM	3	3	22.86	22.67	22.92	23.5	2	
1.4	16QAM	6	0	22.00	22.21	22.04			
1.4	64QAM	1	0	21.90	21.92	21.96			
1.4	64QAM	1	3	21.61	21.93	21.71	23.5	2	
1.4	64QAM	1	5	21.80	21.62	21.78			
1.4	64QAM	3	0	22.10	21.90	22.24			
1.4	64QAM	3	1	22.13	22.17	22.16	22.5	3	
1.4	64QAM	3	3	22.08	22.02	22.40			
1.4	64QAM	6	0	20.69	20.68	20.52			

Band 7 Ant4 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				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	23.79	23.95	23.83	25.5	0	
20	QPSK	1	49	23.74	23.72	23.70			
20	QPSK	1	99	23.59	23.67	23.64			
20	QPSK	50	0	22.63	22.72	22.69	24.5	1	
20	QPSK	50	24	22.62	22.66	22.65			
20	QPSK	50	50	22.59	22.62	22.61			
20	QPSK	100	0	22.61	22.86	22.85	24.5	1	
20	16QAM	1	0	22.96	22.90	22.97			
20	16QAM	1	49	22.79	22.88	22.81			
20	16QAM	1	99	22.70	22.83	22.76	23.5	2	
20	16QAM	50	0	21.75	21.84	21.80			
20	16QAM	50	24	21.66	21.69	21.67			
20	16QAM	50	50	21.69	21.75	21.64	23.5	2	
20	16QAM	100	0	21.75	21.81	21.70			
20	64QAM	1	0	21.94	22.04	22.09			
20	64QAM	1	49	21.95	22.03	21.86	22.5	3	
20	64QAM	1	99	21.83	21.94	21.81			
20	64QAM	50	0	20.90	20.99	20.86			
20	64QAM	50	24	20.77	20.76	20.70	22.5	3	
20	64QAM	50	50	20.75	20.82	20.71			
20	64QAM	100	0	20.88	20.94	20.77			
Channel				20807.5	21100	21400.5	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	23.80	23.81	23.78	25.5	0	
15	QPSK	1	37	23.66	23.71	23.67			
15	QPSK	1	74	23.57	23.64	23.64			
15	QPSK	36	0	22.62	22.71	22.65	24.5	1	
15	QPSK	36	20	22.58	22.56	22.66			
15	QPSK	36	39	22.58	22.63	22.54			
15	QPSK	75	0	22.77	22.88	22.81	24.5	1	
15	16QAM	1	0	22.77	22.88	22.94			
15	16QAM	1	37	22.71	22.83	22.81			
15	16QAM	1	74	22.66	22.76	22.75	23.5	2	
15	16QAM	36	0	21.70	21.75	21.77			
15	16QAM	36	20	21.62	21.61	21.61			
15	16QAM	36	39	21.62	21.65	21.61	23.5	2	
15	16QAM	75	0	21.87	21.97	21.94			
15	64QAM	1	0	21.89	21.97	22.08			
15	64QAM	1	37	21.89	21.95	21.85	22.5	3	
15	64QAM	1	74	21.73	21.93	21.91			
15	64QAM	36	0	20.91	20.99	20.86			
15	64QAM	36	20	20.71	20.68	20.65	22.5	3	
15	64QAM	36	39	20.71	20.68	20.61			
15	64QAM	75	0	20.85	20.95	20.74			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	23.70	23.84	23.73	25.5	0	
10	QPSK	1	25	23.67	23.72	23.63			
10	QPSK	1	49	23.52	23.65	23.57			
10	QPSK	25	0	22.54	22.65	22.60	24.5	1	
10	QPSK	25	12	22.56	22.61	22.66			
10	QPSK	25	25	22.57	22.64	22.61			
10	QPSK	50	0	22.52	22.67	22.61	24.5	1	
10	16QAM	1	0	22.85	22.85	22.92			
10	16QAM	1	25	22.71	22.86	22.78			
10	16QAM	1	49	22.66	22.76	22.67	23.5	2	
10	16QAM	25	0	21.71	21.82	21.77			
10	16QAM	25	12	21.61	21.88	21.60			
10	16QAM	25	25	21.62	21.92	21.68	22.5	3	
10	16QAM	50	0	21.75	21.72	21.72			
10	64QAM	1	0	21.94	21.99	22.10			
10	64QAM	1	25	21.95	21.96	21.79	23.5	2	
10	64QAM	1	49	21.76	21.89	21.76			
10	64QAM	25	0	20.88	20.97	20.81			
10	64QAM	25	12	20.69	20.68	20.66	22.5	3	
10	64QAM	25	25	20.72	20.73	20.69			
10	64QAM	50	0	20.85	20.85	20.79			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	23.79	23.84	23.77	25.5	0	
5	QPSK	1	12	23.66	23.68	23.62			
5	QPSK	1	24	23.54	23.61	23.65			
5	QPSK	12	0	22.59	22.69	22.62	24.5	1	
5	QPSK	12	7	22.53	22.64	22.61			
5	QPSK	12	13	22.52	22.62	22.62			
5	QPSK	25	0	22.51	22.66	22.57	24.5	1	
5	16QAM	1	0	22.87	22.85	22.97			
5	16QAM	1	12	22.79	22.88	22.80			
5	16QAM	1	24	22.65	22.83	22.78	23.5	2	
5	16QAM	12	0	21.70	21.82	21.76			
5	16QAM	12	7	21.62	21.89	21.68			
5	16QAM	12	13	21.68	21.75	21.63	22.5	3	
5	16QAM	25	0	21.72	21.75	21.68			
5	64QAM	1	0	21.95	21.98	22.04			
5	64QAM	1	12	21.96	21.94	21.88	23.5	2	
5	64QAM	1	24	21.84	21.90	21.73			
5	64QAM	12	0	20.82	20.98	20.86			
5	64QAM	12	7	20.89	20.73	20.67	22.5	3	
5	64QAM	12	13	20.66	20.93	20.63			
5	64QAM	25	0	20.90	20.89	20.78			

Reduced power level for WWAN DSI4

GSM850 Ant1 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	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.60	32.76	32.75	33.50	23.60	23.76	23.75	24.50
GPRS 1 Tx slot	32.69	32.78	32.69	33.50	23.69	23.78	23.69	24.50
GPRS 2 Tx slots	30.09	30.29	30.29	31.00	24.09	24.29	24.29	25.00
GPRS 3 Tx slots	29.10	29.22	29.03	29.50	24.84	24.96	24.77	25.24
GPRS 4 Tx slots	27.05	27.14	27.03	28.00	24.05	24.14	24.03	25.00
EDGE 1 Tx slot	27.03	27.18	27.01	28.50	18.03	18.19	18.01	19.50
EDGE 2 Tx slots	24.22	24.41	24.43	25.50	18.22	18.41	18.43	19.50
EDGE 3 Tx slots	22.15	22.36	22.27	24.00	17.89	18.10	18.01	19.74
EDGE 4 Tx slots	21.08	21.15	20.94	22.50	18.08	18.15	17.94	19.50

GSM1900 Ant1 DSI4

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	1859.2	1880	1909.8		1859.2	1880	1909.8	
Frequency (MHz)	1859.2	1880	1909.8		1859.2	1880	1909.8	
GSM 1 Tx slot	25.51	25.55	25.49	26.50	16.51	16.55	16.48	17.50
GPRS 1 Tx slot	25.56	25.58	25.52	26.50	16.56	16.58	16.52	17.50
GPRS 2 Tx slots	22.63	22.61	22.56	23.50	16.63	16.61	16.56	17.50
GPRS 3 Tx slots	20.55	20.60	20.53	22.00	16.29	16.34	16.27	17.74
GPRS 4 Tx slots	19.49	19.48	19.44	20.50	16.49	16.48	16.44	17.50
EDGE 1 Tx slot	22.03	22.09	22.11	23.50	13.03	13.09	13.11	14.50
EDGE 2 Tx slots	18.77	18.75	18.71	20.50	12.77	12.75	12.71	14.50
EDGE 3 Tx slots	17.21	17.11	17.05	19.00	12.95	12.85	12.79	14.74
EDGE 4 Tx slots	15.64	15.63	15.66	17.50	12.64	12.63	12.66	14.50

WCDMA II Ant1 DSI4

WCDMA IV Ant1 DSI4

WCDMA V Ant1 DSI4

Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)	
	TX Channel	9262	9400		9538	1312	1413		1513	4132	4182		4233
Rx Channel	9662	9800	9938		1537	1638	1738		4357	4407	4458		
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6		
3GPP Rel 99	AMR 12.2Kbps	18.48	18.58	18.57	20.00	18.99	19.11	18.98	20.50	22.86	22.91	22.88	24.50
3GPP Rel 99	RMC 12.2Kbps	18.65	18.66	18.62	20.00	19.08	19.16	19.10	20.50	22.94	23.03	22.98	24.50
3GPP Rel 6	HSDPA Subtest-1	17.27	17.61	17.71	19.00	18.29	18.16	18.33	19.50	22.14	22.24	21.99	23.50
3GPP Rel 6	HSDPA Subtest-2	17.65	17.44	17.31	19.00	18.27	18.31	18.35	19.50	22.26	22.20	22.17	23.50
3GPP Rel 6	HSDPA Subtest-3	16.98	17.23	17.02	18.50	17.79	17.97	17.75	19.00	21.38	21.66	21.68	23.00
3GPP Rel 6	HSDPA Subtest-4	16.99	17.23	16.85	18.50	18.09	18.31	18.20	19.00	22.34	22.27	22.04	23.00
3GPP Rel 8	DC-HSDPA Subtest-1	17.67	17.48	17.60	19.00	18.35	18.15	18.35	19.50	21.93	22.05	22.29	23.50
3GPP Rel 8	DC-HSDPA Subtest-2	17.30	17.73	17.52	19.00	18.39	18.47	18.20	19.50	22.20	22.19	22.09	23.50
3GPP Rel 8	DC-HSDPA Subtest-3	17.21	17.21	17.09	18.50	17.64	18.02	17.92	19.00	21.46	21.69	21.60	23.00
3GPP Rel 8	DC-HSDPA Subtest-4	16.97	17.23	16.94	18.50	17.65	17.86	17.67	19.00	21.61	21.55	21.52	23.00
3GPP Rel 6	HSUPA Subtest-1	17.37	17.57	17.70	19.00	18.15	18.17	18.28	19.50	21.87	22.14	22.20	23.50
3GPP Rel 6	HSUPA Subtest-2	15.85	15.66	15.45	17.00	16.33	16.45	16.10	17.50	20.12	20.17	20.18	21.50
3GPP Rel 6	HSUPA Subtest-3	16.51	16.59	16.40	18.00	17.23	17.28	17.20	18.50	20.96	21.13	21.23	22.50
3GPP Rel 6	HSUPA Subtest-4	15.30	15.55	15.36	17.00	16.21	16.28	16.17	17.50	20.25	20.24	20.16	21.50
3GPP Rel 6	HSUPA Subtest-5	17.55	17.85	17.77	19.00	18.15	18.04	18.36	19.50	22.12	22.06	22.15	23.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	15.13	15.25	15.14	16.50	15.79	15.68	15.81	17.00	19.72	19.64	19.63	21.00

Band 2 Ant1 DS14									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				18700	18900	19100			
Frequency (MHz)				18680	18880	19080			
20	QPSK	1	0	18.65	18.87	18.72	20.5	0	
20	QPSK	1	49	18.60	18.63	18.61			
20	QPSK	1	99	18.63	18.56	18.53			
20	QPSK	50	0	18.70	18.75	18.58			
20	QPSK	50	24	18.72	18.74	18.63	20.5	0	
20	QPSK	50	50	18.53	18.71	18.67			
20	QPSK	100	0	18.61	18.78	18.64			
20	16QAM	1	0	18.59	18.60	18.78			
20	16QAM	1	49	18.67	18.76	18.67	20.5	0	
20	16QAM	1	99	18.79	18.81	18.55			
20	16QAM	50	0	18.82	18.83	18.62			
20	16QAM	50	24	18.65	18.56	18.81			
20	16QAM	50	50	18.64	18.75	18.68	20.5	0	
20	16QAM	100	0	18.78	18.50	18.72			
20	64QAM	1	0	18.56	18.62	18.55			
20	64QAM	1	49	18.82	18.78	18.72	20.5	0	
20	64QAM	1	99	18.81	18.62	18.70			
20	64QAM	50	0	18.57	18.55	18.67			
20	64QAM	50	24	18.76	18.79	18.67			
20	64QAM	50	50	18.69	18.71	18.72	20.5	0	
20	64QAM	100	0	18.56	18.78	18.52			
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	0	18.61	18.77	18.76	20.5	0	
15	QPSK	1	37	18.65	18.69	18.69			
15	QPSK	1	74	18.58	18.73	18.84			
15	QPSK	36	0	18.61	18.81	18.63			
15	QPSK	36	20	18.56	18.69	18.56	20.5	0	
15	QPSK	36	39	18.59	18.66	18.77			
15	QPSK	75	0	18.62	18.54	18.69			
15	16QAM	1	0	18.82	18.76	18.77			
15	16QAM	1	37	18.71	18.60	18.71	20.5	0	
15	16QAM	1	74	18.77	18.83	18.72			
15	16QAM	36	0	18.72	18.53	18.55			
15	16QAM	36	20	18.74	18.79	18.78	20.5	0	
15	16QAM	36	39	18.80	18.58	18.65			
15	16QAM	75	0	18.75	18.57	18.57			
15	64QAM	1	0	18.65	18.60	18.75	20.5	0	
15	64QAM	1	37	18.72	18.76	18.61			
15	64QAM	1	74	18.76	18.65	18.75			
15	64QAM	36	0	18.57	18.77	18.76			
15	64QAM	36	20	18.58	18.53	18.74	20.5	0	
15	64QAM	36	39	18.68	18.81	18.66			
15	64QAM	75	0	18.60	18.76	18.70			
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	0	18.57	18.59	18.72	20.5	0	
10	QPSK	1	25	18.67	18.60	18.62			
10	QPSK	1	49	18.58	18.64	18.67			
10	QPSK	25	0	18.53	18.76	18.62			
10	QPSK	25	12	18.53	18.64	18.56	20.5	0	
10	QPSK	25	25	18.51	18.69	18.65			
10	QPSK	50	0	18.52	18.56	18.62			
10	16QAM	1	0	18.67	18.62	18.74			
10	16QAM	1	25	18.54	18.61	18.56	20.5	0	
10	16QAM	1	49	18.79	18.72	18.61			
10	16QAM	25	0	18.60	18.52	18.51			
10	16QAM	25	12	18.73	18.67	18.78			
10	16QAM	25	25	18.82	18.59	18.60	20.5	0	
10	16QAM	50	0	18.59	18.59	18.53			
10	64QAM	1	0	18.54	18.56	18.53			
10	64QAM	1	25	18.65	18.73	18.59			
10	64QAM	1	49	18.67	18.51	18.58	20.5	0	
10	64QAM	25	0	18.51	18.57	18.61			
10	64QAM	25	12	18.61	18.68	18.59			
10	64QAM	25	25	18.51	18.62	18.52			
10	64QAM	50	0	18.63	18.64	18.58	20.5	0	
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	0	18.62	18.75	18.61	20.5	0	
5	QPSK	1	12	18.64	18.72	18.73			
5	QPSK	1	24	18.57	18.66	18.70			
5	QPSK	12	0	18.59	18.67	18.65			
5	QPSK	12	7	18.69	18.65	18.58	20.5	0	
5	QPSK	12	13	18.52	18.58	18.77			
5	QPSK	25	0	18.52	18.54	18.50			
5	16QAM	1	0	18.78	18.71	18.70			
5	16QAM	1	12	18.71	18.57	18.56	20.5	0	
5	16QAM	1	24	18.65	18.74	18.65			
5	16QAM	12	0	18.69	18.55	18.57			
5	16QAM	12	7	18.72	18.81	18.66			
5	16QAM	12	13	18.65	18.65	18.53	20.5	0	
5	16QAM	25	0	18.61	18.58	18.53			
5	64QAM	1	0	18.68	18.51	18.75			
5	64QAM	1	12	18.66	18.71	18.57			
5	64QAM	1	24	18.60	18.57	18.58	20.5	0	
5	64QAM	12	0	18.53	18.77	18.79			
5	64QAM	12	7	18.56	18.57	18.57			
5	64QAM	12	13	18.52	18.79	18.57			
5	64QAM	25	0	18.65	18.72	18.54	20.5	0	
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1851.5	1880	1908.5			
3	QPSK	1	0	18.53	18.79	18.76	20.5	0	
3	QPSK	1	8	18.64	18.66	18.71			
3	QPSK	1	14	18.57	18.69	18.74			
3	QPSK	8	0	18.57	18.72	18.60			
3	QPSK	8	4	18.57	18.60	18.57	20.5	0	
3	QPSK	8	7	18.56	18.50	18.72			
3	QPSK	15	0	18.60	18.53	18.71			
3	16QAM	1	0	18.64	18.76	18.71			
3	16QAM	1	8	18.67	18.59	18.69	20.5	0	
3	16QAM	1	14	18.79	18.77	18.72			
3	16QAM	8	0	18.71	18.57	18.59			
3	16QAM	8	4	18.69	18.78	18.81			
3	16QAM	8	7	18.80	18.54	18.60	20.5	0	
3	16QAM	15	0	18.65	18.51	18.65			
3	64QAM	1	0	18.56	18.51	18.56			
3	64QAM	1	8	18.73	18.79	18.59			
3	64QAM	1	14	18.79	18.66	18.59	20.5	0	
3	64QAM	8	0	18.57	18.60	18.75			
3	64QAM	8	4	18.50	18.57	18.66			
3	64QAM	8	7	18.53	18.75	18.67			
3	64QAM	15	0	18.80	18.71	18.55	20.5	0	
Channel				18597	18900	19163	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1850.7	1880	1909.3			
1.4	QPSK	1	0	18.54	18.59	18.77	20.5	0	
1.4	QPSK	1	3	18.65	18.72	18.64			
1.4	QPSK	1	5	18.51	18.72	18.82			
1.4	QPSK	3	0	18.59	18.61	18.54			
1.4	QPSK	3	1	18.55	18.71	18.55	20.5	0	
1.4	QPSK	3	3	18.54	18.58	18.79			
1.4	QPSK	6	0	18.57	18.53	18.67			
1.4	16QAM	1	0	18.74	18.79	18.80			
1.4	16QAM	1	5	18.65	18.76	18.62	20.5	0	
1.4	16QAM	1	3	18.62	18.83	18.63			
1.4	16QAM	3	0	18.75	18.52	18.62			
1.4	16QAM	3	1	18.70	18.73	18.71			
1.4	16QAM	3	3	18.61	18.66	18.60	20.5		
1.4	16QAM	6	0	18.55	18.50	18.55	20.5	0	
1.4	64QAM	1	0	18.55	18.52	18.67			
1.4	64QAM	1	3	18.59	18.70	18.59			
1.4	64QAM	1	5	18.60	18.82	18.72	20.5	0	
1.4	64QAM	3	0	18.51	18.68	18.66			
1.4	64QAM	3	1	18.57	18.53	18.65			
1.4	64QAM	3	3	18.68	18.65	18.55			
1.4	64QAM	6	0	18.65	18.76	18.72	20.5	0	

Band 7 Ant2 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350	16.5	0	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	14.99	15.15	14.94	16.5	0	
20	QPSK	1	49	15.01	15.02	15.01			
20	QPSK	1	99	14.91	14.92	14.82			
20	QPSK	50	0	14.96	15.12	15.00			
20	QPSK	50	24	14.93	14.95	14.87			
20	QPSK	50	50	14.89	14.98	14.94			
20	QPSK	100	0	14.90	14.97	14.89	16.5	0	
20	16QAM	1	0	14.89	14.93	14.87			
20	16QAM	1	49	14.91	15.05	14.98			
20	16QAM	1	99	14.97	14.99	14.91			
20	16QAM	50	0	14.90	14.97	14.89			
20	16QAM	50	24	15.00	15.01	14.98			
20	16QAM	50	50	14.93	14.95	14.91	16.5	0	
20	16QAM	100	0	14.99	14.98	14.92			
20	64QAM	1	0	14.93	14.94	14.94			
20	64QAM	1	49	15.01	15.09	15.06			
20	64QAM	1	99	14.91	14.98	14.89			
20	64QAM	50	0	14.91	14.99	14.94			
20	64QAM	50	24	15.03	15.07	15.02	16.5	0	
20	64QAM	50	50	14.98	14.99	14.98			
20	64QAM	100	0	14.91	14.97	14.96			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	16.5	0	
15	QPSK	1	0	14.94	15.09	14.86			
15	QPSK	1	37	15.01	14.99	15.07	16.5	0	
15	QPSK	1	74	14.80	15.04	14.94			
15	QPSK	36	0	14.85	15.06	14.96			
15	QPSK	36	20	15.04	14.94	14.92			
15	QPSK	36	39	14.99	15.00	14.88			
15	QPSK	75	0	15.02	14.98	14.99			
15	16QAM	1	0	14.87	15.05	14.76	16.5	0	
15	16QAM	1	37	14.82	14.99	15.02			
15	16QAM	1	74	14.92	15.03	15.00			
15	16QAM	36	0	14.95	14.88	14.87			
15	16QAM	36	20	14.89	15.03	15.08			
15	16QAM	36	39	14.96	14.92	14.81			
15	16QAM	75	0	14.95	14.93	14.82	16.5	0	
15	64QAM	1	0	14.91	15.06	15.01			
15	64QAM	1	37	14.90	15.02	15.04			
15	64QAM	1	74	15.02	15.08	14.97			
15	64QAM	36	0	14.85	14.93	14.94			
15	64QAM	36	20	15.06	15.00	15.00			
15	64QAM	36	39	15.02	14.95	14.87	16.5	0	
15	64QAM	75	0	15.03	15.09	14.97			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	16.5	0	
10	QPSK	1	0	14.92	15.08	15.03			
10	QPSK	1	25	15.04	15.02	14.93	16.5	0	
10	QPSK	1	49	14.80	14.86	14.92			
10	QPSK	25	0	15.01	15.04	15.11			
10	QPSK	25	12	14.85	14.86	14.86			
10	QPSK	25	25	14.95	14.90	14.82			
10	QPSK	50	0	14.94	14.90	14.80			
10	16QAM	1	0	14.96	14.88	14.94	16.5	0	
10	16QAM	1	25	14.81	15.02	15.04			
10	16QAM	1	49	14.94	15.03	14.99			
10	16QAM	25	0	15.01	15.04	14.93			
10	16QAM	25	12	15.09	14.92	15.05			
10	16QAM	25	25	14.95	14.93	14.92			
10	16QAM	50	0	14.97	15.01	14.93	16.5	0	
10	64QAM	1	0	14.93	14.97	14.86			
10	64QAM	1	25	15.05	15.08	15.06			
10	64QAM	1	49	14.81	15.06	15.00			
10	64QAM	25	0	14.80	15.05	14.88			
10	64QAM	25	12	15.13	15.10	14.99			
10	64QAM	25	25	15.03	15.09	14.94	16.5	0	
10	64QAM	50	0	14.82	14.91	14.99			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	16.5	0	
5	QPSK	1	0	14.98	15.07	14.83			
5	QPSK	1	12	15.07	14.90	14.90	16.5	0	
5	QPSK	1	24	14.91	14.93	14.70			
5	QPSK	12	0	15.03	15.02	14.96			
5	QPSK	12	7	15.04	14.97	14.79			
5	QPSK	12	13	14.90	15.03	14.86			
5	QPSK	25	0	14.86	15.06	14.78			
5	16QAM	1	0	14.98	15.02	14.78	16.5	0	
5	16QAM	1	12	15.00	15.04	15.02			
5	16QAM	1	24	14.88	14.89	15.02			
5	16QAM	12	0	14.98	14.89	14.98			
5	16QAM	12	7	14.96	15.11	15.05			
5	16QAM	12	13	14.86	14.95	14.83			
5	16QAM	25	0	15.09	14.86	14.97	16.5	0	
5	64QAM	1	0	14.94	15.04	14.89			
5	64QAM	1	12	15.11	14.97	14.99			
5	64QAM	1	24	15.02	14.98	14.84			
5	64QAM	12	0	14.97	14.92	15.02			
5	64QAM	12	7	15.10	15.03	15.03			
5	64QAM	12	13	15.08	14.88	15.08	16.5	0	
5	64QAM	25	0	14.82	14.87	14.99			

GSM850 Ant4 DS14							
GSM850		Burst Average Power (dBm)			Frame-Average Power (dBm)		
TX Channel		128	189	251	128	189	251
Frequency (MHz)		824.2	836.4	848.8	824.2	836.4	848.8
GSM 1 Tx slot		32.47	32.68	32.53	33.00	23.47	23.68
GPRS 1 Tx slot		32.54	32.59	32.47	33.00	23.54	23.59
GPRS 2 Tx slots		30.07	30.15	30.01	30.50	24.07	24.15
GPRS 3 Tx slots		28.76	28.85	28.75	29.00	24.50	24.59
GPRS 4 Tx slots		27.25	27.33	27.11	27.50	24.25	24.33
EDGE 1 Tx slot		27.20	27.33	27.15	28.00	18.20	18.33
EDGE 2 Tx slots		24.74	24.78	24.76	25.00	18.74	18.78
EDGE 3 Tx slots		22.69	22.79	22.72	23.50	18.43	18.53
EDGE 4 Tx slots		21.55	21.67	21.55	22.00	18.55	18.67

GSM1900 Ant4 DS14							
GSM1900		Burst Average Power (dBm)			Frame-Average Power (dBm)		
TX Channel		512	661	810	512	661	810
Frequency (MHz)		1850.2	1860	1869.8	1850.2	1860	1869.8
GSM 1 Tx slot		27.32	27.41	27.30	27.50	18.32	18.41
GPRS 1 Tx slot		27.33	27.45	27.24	27.50	18.33	18.45
GPRS 2 Tx slots		24.22	24.42	24.30	24.50	18.22	18.42
GPRS 3 Tx slots		22.35	22.43	22.45	23.00	18.09	18.17
GPRS 4 Tx slots		21.26	21.33	21.35	21.50	18.26	18.33
EDGE 1 Tx slot		23.48	23.62	23.49	24.50	14.48	14.62
EDGE 2 Tx slots		20.28	20.34	20.21	21.50	14.28	14.34
EDGE 3 Tx slots		18.23	18.25	18.07	20.00	13.97	13.99
EDGE 4 Tx slots		17.12	17.21	17.16	18.50	14.12	14.21

WCDMA II Ant4 DS14					WCDMA IV Ant4 DS14			WCDMA V Ant4 Default power			
Band		WCDMA II			WCDMA IV			WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538	Tune-up Limit (dBm)			4132	4162	4233	
Rx Channel		9662	9800	9938	Tune-up Limit (dBm)			4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6	Tune-up Limit (dBm)			826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	19.48	19.62	19.55	20.50	18.64	18.74	20.00	24.08	24.22	24.15
3GPP Rel 99	RMC 12.2Kbps	19.55	19.69	19.58	20.50	18.73	18.81	20.00	24.28	24.31	24.29
3GPP Rel 6	HSDPA Subtest-1	18.58	18.83	18.68	19.50	17.60	17.76	17.82	22.25	22.27	22.10
3GPP Rel 6	HSDPA Subtest-2	18.71	18.85	18.51	19.50	17.87	17.83	17.56	22.29	22.28	22.12
3GPP Rel 6	HSDPA Subtest-3	18.04	18.29	18.29	19.00	17.33	17.41	17.24	21.70	21.74	21.66
3GPP Rel 6	HSDPA Subtest-4	18.72	18.68	18.67	19.00	17.76	17.92	17.80	22.45	22.46	22.07
3GPP Rel 8	DC-HSDPA Subtest-1	18.66	18.81	18.83	19.50	17.69	17.90	17.83	22.15	22.15	22.26
3GPP Rel 8	DC-HSDPA Subtest-2	18.60	18.76	18.57	19.50	17.85	17.79	17.71	22.19	22.28	21.94
3GPP Rel 8	DC-HSDPA Subtest-3	18.07	18.21	18.25	19.00	17.38	17.34	17.37	21.54	21.75	21.86
3GPP Rel 8	DC-HSDPA Subtest-4	18.10	18.44	18.10	19.00	17.46	17.46	17.30	21.78	21.68	21.74
3GPP Rel 6	HSUPA Subtest-1	18.49	18.66	18.78	19.50	17.72	17.94	17.90	23.26	23.24	23.35
3GPP Rel 6	HSUPA Subtest-2	16.78	16.69	16.64	17.50	15.85	15.92	15.63	21.18	21.25	21.31
3GPP Rel 6	HSUPA Subtest-3	17.53	17.75	17.78	18.50	16.74	16.98	16.74	22.31	22.32	22.27
3GPP Rel 6	HSUPA Subtest-4	16.82	16.80	16.58	17.50	15.97	15.82	15.75	21.35	21.43	21.34
3GPP Rel 6	HSUPA Subtest-5	18.61	18.78	18.77	19.50	17.71	17.83	17.73	23.12	23.29	23.43
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	16.08	16.30	16.08	17.00	15.24	15.23	15.15	20.87	20.87	20.90

Band 38 Ant4 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power Middle Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	22.5	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	20.87	20.96	20.85	22.5	0	
20	QPSK	1	49	20.79	20.76	20.68			
20	QPSK	1	99	20.89	20.90	20.84			
20	QPSK	50	0	20.80	20.89	20.62			
20	QPSK	50	24	20.82	20.80	20.86			
20	QPSK	50	50	20.81	20.75	20.77	22.5	0	
20	QPSK	100	0	20.76	20.93	20.71			
20	16QAM	1	0	20.76	20.91	20.87			
20	16QAM	1	49	20.76	20.91	20.76			
20	16QAM	1	99	20.74	20.70	20.76			
20	16QAM	50	0	20.83	20.83	20.79	22.5	0	
20	16QAM	50	24	20.78	20.84	20.75			
20	16QAM	50	50	20.69	20.75	20.61			
20	16QAM	100	0	20.68	20.77	20.76			
20	64QAM	1	0	20.79	20.75	20.79			
20	64QAM	1	49	20.80	20.78	20.79	22.5	0	
20	64QAM	1	99	20.64	20.93	20.77			
20	64QAM	50	0	20.73	20.82	20.94			
20	64QAM	50	24	20.59	20.81	20.81			
20	64QAM	50	50	20.66	20.87	20.63			
20	64QAM	100	0	20.77	20.84	20.88	22.5	0	
Channel				37825	38000	38175		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5	22.5	0	
15	QPSK	1	0	20.69	20.95	20.63			
15	QPSK	1	37	20.85	20.72	20.74			
15	QPSK	1	74	20.72	20.87	20.89			
15	QPSK	36	0	20.91	20.79	20.76			
15	QPSK	36	20	20.85	20.78	20.83	22.5	0	
15	QPSK	36	39	20.85	20.75	20.87			
15	QPSK	75	0	20.79	20.88	20.72			
15	16QAM	1	0	20.79	20.82	20.74			
15	16QAM	1	37	20.69	20.76	20.75			
15	16QAM	1	74	20.90	20.80	20.89	22.5	0	
15	16QAM	36	0	20.77	20.77	20.78			
15	16QAM	36	20	20.79	20.93	20.78			
15	16QAM	36	39	20.68	20.69	20.78			
15	16QAM	75	0	20.87	20.81	20.80			
15	64QAM	1	0	20.83	20.71	20.77	22.5	0	
15	64QAM	1	37	20.74	20.68	20.82			
15	64QAM	1	74	20.68	20.91	20.65			
15	64QAM	36	0	20.76	20.91	20.85			
15	64QAM	36	20	20.67	20.70	20.82			
15	64QAM	36	39	20.68	20.78	20.64	22.5	0	
15	64QAM	75	0	20.85	20.76	20.71			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615	22.5 <th colspan="2" rowspan="5">0</th>	0	
10	QPSK	1	0	20.70	20.87	20.63			
10	QPSK	1	25	20.72	20.74	20.75			
10	QPSK	1	49	20.81	20.74	20.83			
10	QPSK	25	0	20.77	20.81	20.59			
10	QPSK	25	12	20.84	20.93	20.84	22.5	0	
10	QPSK	25	25	20.90	20.87	20.80			
10	QPSK	50	0	20.79	20.83	20.84			
10	16QAM	1	0	20.75	20.90	20.89			
10	16QAM	1	25	20.69	20.92	20.72			
10	16QAM	1	49	20.77	20.87	20.78	22.5	0	
10	16QAM	25	0	20.86	20.93	20.80			
10	16QAM	25	12	20.88	20.85	20.85			
10	16QAM	25	25	20.81	20.70	20.70			
10	16QAM	50	0	20.66	20.84	20.69			
10	64QAM	1	0	20.69	20.79	20.70	22.5	0	
10	64QAM	1	25	20.77	20.78	20.83			
10	64QAM	1	49	20.73	20.80	20.75			
10	64QAM	25	0	20.73	20.79	20.92			
10	64QAM	25	12	20.60	20.88	20.74			
10	64QAM	25	25	20.72	20.79	20.75	22.5	0	
10	64QAM	50	0	20.68	20.95	20.76			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5	22.5 <th colspan="2" rowspan="5">0</th>	0	
5	QPSK	1	0	20.73	20.95	20.72			
5	QPSK	1	12	20.70	20.78	20.72			
5	QPSK	1	24	20.78	20.91	20.80			
5	QPSK	12	0	20.80	20.81	20.59			
5	QPSK	12	7	20.80	20.77	20.78	22.5	0	
5	QPSK	12	13	20.89	20.89	20.81			
5	QPSK	25	0	20.80	20.75	20.67			
5	16QAM	1	0	20.82	20.83	20.79			
5	16QAM	1	12	20.87	20.89	20.79			
5	16QAM	1	24	20.81	20.70	20.88	22.5	0	
5	16QAM	12	0	20.83	20.92	20.72			
5	16QAM	12	7	20.89	20.79	20.78			
5	16QAM	12	13	20.60	20.89	20.66			
5	16QAM	25	0	20.85	20.85	20.66			
5	64QAM	1	0	20.86	20.87	20.84	22.5	0	
5	64QAM	1	12	20.78	20.69	20.84			
5	64QAM	1	24	20.66	20.91	20.68			
5	64QAM	12	0	20.94	20.83	20.78			
5	64QAM	12	7	20.62	20.77	20.80			
5	64QAM	12	13	20.73	20.75	20.61	22.5	0	
5	64QAM	25	0	20.81	20.94	20.90			

Band 41 Ant4 DSI4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	22.5	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	20.78	20.83	20.96	20.83	20.81	22.5	0
20	QPSK	1	49	20.85	20.60	20.86	20.65	20.61		
20	QPSK	1	99	20.64	20.70	20.93	20.74	20.82		
20	QPSK	50	0	20.66	20.76	20.88	20.83	20.67		
20	QPSK	50	24	20.81	20.87	20.85	20.73	20.68		
20	QPSK	50	50	20.64	20.78	20.73	20.74	20.61	22.5	0
20	QPSK	100	0	20.65	20.61	20.68	20.58	20.66		
20	16QAM	1	0	20.72	20.71	20.68	20.78	20.87		
20	16QAM	1	49	20.66	20.77	20.83	20.63	20.58		
20	16QAM	1	99	20.71	20.77	20.70	20.69	20.80		
20	16QAM	50	0	20.84	20.66	20.89	20.85	20.78	22.5	0
20	16QAM	50	24	20.79	20.71	20.73	20.65	20.69		
20	16QAM	50	50	20.84	20.66	20.76	20.72	20.69		
20	16QAM	100	0	20.76	20.67	20.82	20.64	20.68		
20	64QAM	1	0	20.69	20.77	20.88	20.69	20.63		
20	64QAM	1	49	20.61	20.73	20.86	20.67	20.74	22.5	0
20	64QAM	1	99	20.58	20.72	20.88	20.61	20.80		
20	64QAM	50	0	20.77	20.74	20.91	20.74	20.65		
20	64QAM	50	24	20.85	20.81	20.82	20.64	20.88		
20	64QAM	50	50	20.69	20.59	20.81	20.84	20.74		
20	64QAM	100	0	20.80	20.72	20.77	20.69	20.83	22.5	0
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	20.75	20.79	20.76	20.69	20.75	22.50	0
15	QPSK	1	37	20.77	20.72	20.88	20.75	20.76		
15	QPSK	1	74	20.78	20.89	20.93	20.88	20.75		
15	QPSK	36	0	20.73	20.86	20.78	20.87	20.69		
15	QPSK	36	20	20.65	20.74	20.79	20.64	20.64		
15	QPSK	36	39	20.69	20.61	20.71	20.68	20.70	22.5	0
15	QPSK	75	0	20.66	20.77	20.71	20.62	20.59		
15	16QAM	1	0	20.82	20.88	20.90	20.89	20.82		
15	16QAM	1	37	20.69	20.79	20.91	20.76	20.78		
15	16QAM	1	74	20.68	20.79	20.81	20.78	20.84		
15	16QAM	36	0	20.62	20.71	20.88	20.77	20.80	22.5	0
15	16QAM	36	20	20.79	20.85	20.81	20.62	20.67		
15	16QAM	36	39	20.67	20.75	20.62	20.74	20.82		
15	16QAM	75	0	20.70	20.58	20.79	20.75	20.68		
15	64QAM	1	0	20.73	20.65	20.81	20.74	20.74		
15	64QAM	1	37	20.83	20.61	20.78	20.66	20.57	22.5	0
15	64QAM	1	74	20.67	20.70	20.75	20.69	20.84		
15	64QAM	36	0	20.71	20.69	20.76	20.80	20.68		
15	64QAM	36	20	20.64	20.82	20.71	20.59	20.85		
15	64QAM	36	39	20.62	20.71	20.68	20.66	20.74		
15	64QAM	75	0	20.81	20.84	20.84	20.86	20.82	22.5	0
Channel				39700	40160	40620	41080	41540		
Frequency (MHz)				2501	2547	2593	2639	2685	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	20.94	20.91	20.78	20.62	20.77	22.50	0
10	QPSK	1	25	20.85	20.57	20.82	20.63	20.72		
10	QPSK	1	49	20.78	20.75	20.74	20.69	20.83		
10	QPSK	25	0	20.64	20.89	20.67	20.81	20.83		
10	QPSK	25	12	20.75	20.70	20.93	20.85	20.68		
10	QPSK	25	25	20.66	20.55	20.81	20.78	20.64	22.5	0
10	QPSK	50	0	20.71	20.63	20.85	20.76	20.63		
10	16QAM	1	0	20.85	20.68	20.88	20.74	20.83		
10	16QAM	1	25	20.85	20.68	20.87	20.79	20.78		
10	16QAM	1	49	20.86	20.83	20.70	20.85	20.76		
10	16QAM	25	0	20.70	20.78	20.75	20.68	20.68	22.5	0
10	16QAM	25	12	20.84	20.85	20.82	20.66	20.88		
10	16QAM	25	25	20.84	20.77	20.75	20.62	20.67		
10	16QAM	50	0	20.84	20.62	20.71	20.67	20.76		
10	64QAM	1	0	20.77	20.71	20.93	20.79	20.69		
10	64QAM	1	25	20.64	20.62	20.82	20.74	20.73	22.5	0
10	64QAM	1	49	20.75	20.90	20.93	20.62	20.63		
10	64QAM	25	0	20.85	20.83	20.90	20.66	20.85		
10	64QAM	25	12	20.76	20.66	20.91	20.61	20.81		
10	64QAM	25	25	20.65	20.60	20.68	20.80	20.82		
10	64QAM	50	0	20.64	20.80	20.81	20.85	20.82	22.5	0
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	20.94	20.79	20.88	20.75	20.90	22.50	0
5	QPSK	1	12	20.63	20.66	20.80	20.77	20.78		
5	QPSK	1	24	20.77	20.77	20.77	20.79	20.69		
5	QPSK	12	0	20.67	20.73	20.95	20.93	20.75		
5	QPSK	12	7	20.84	20.77	20.84	20.82	20.76		
5	QPSK	12	13	20.83	20.64	20.71	20.67	20.80	22.5	0
5	QPSK	25	0	20.66	20.65	20.71	20.80	20.60		
5	16QAM	1	0	20.68	20.79	20.80	20.81	20.69		
5	16QAM	1	12	20.66	20.83	20.86	20.62	20.66		
5	16QAM	1	24	20.70	20.66	20.75	20.62	20.87		
5	16QAM	12	0	20.67	20.74	20.85	20.86	20.87	22.5	0
5	16QAM	12	7	20.61	20.72	20.81	20.72	20.89		
5	16QAM	12	13	20.71	20.68	20.72	20.64	20.69		
5	16QAM	25	0	20.63	20.66	20.70	20.71	20.74		
5	64QAM	1	0	20.85	20.69	20.93	20.87	20.76		
5	64QAM	1	12	20.72	20.79	20.70	20.72	20.66	22.5	0
5	64QAM	1	24	20.66	20.81	20.80	20.71	20.63		
5	64QAM	12	0	20.68	20.74	20.84	20.69	20.87		
5	64QAM	12	7	20.73	20.83	20.71	20.76	20.79		
5	64QAM	12	13	20.75	20.82	20.70	20.72	20.79		
5	64QAM	25	0	20.75	20.71	20.91	20.74	20.66		

Uplink CA Power

Ant 1 Full&DS11								
CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	23.6	25.50
21100	21298	QPSK	1	99	1	0	23.58	25.50
21350	21152	QPSK	1	0	1	99	23.65	25.50

Ant 1 Full&DS12&DS11								
CA_38C								
Combination 15MHz+15MHz (75RB+75RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38000	QPSK	1	74	1	0	23.91	25.50
38000	38150	QPSK	1	74	1	0	23.97	25.50
38150	38000	QPSK	1	0	1	74	23.86	25.50

Ant 4 Full&DS12								
CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	23.67	25.50
21100	21298	QPSK	1	99	1	0	23.80	25.50
21350	21152	QPSK	1	0	1	99	23.72	25.50

Ant 4 Full&DS12								
CA_38C								
Combination 15MHz+15MHz (75RB+75RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38000	QPSK	1	74	1	0	23.63	25.50
38000	38150	QPSK	1	74	1	0	23.54	25.50
38150	38000	QPSK	1	0	1	74	23.58	25.50

Ant 1 DS12								
CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	22.32	24.00
21100	21298	QPSK	1	99	1	0	22.38	24.00
21350	21152	QPSK	1	0	1	99	22.35	24.00

Ant 4 DS14								
CA_38C								
Combination 15MHz+15MHz (75RB+75RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38000	QPSK	1	74	1	0	20.68	22.50
38000	38150	QPSK	1	74	1	0	20.74	22.50
38150	38000	QPSK	1	0	1	74	20.69	22.50

Ant 4 DS11								
CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	18.27	20.00
21100	21298	QPSK	1	99	1	0	18.52	20.00
21350	21152	QPSK	1	0	1	99	18.43	20.00

Ant 4 DS11								
CA_38C								
Combination 15MHz+15MHz (75RB+75RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38000	QPSK	1	74	1	0	21.23	23.00
38000	38150	QPSK	1	74	1	0	21.26	23.00
38150	38000	QPSK	1	0	1	74	21.19	23.00
37850	37700	QPSK	1	0	1	74	21.24	23.00
38000	37850	QPSK	1	0	1	74	21.31	23.00
38150	38300	QPSK	1	74	1	0	21.24	23.00

Ant 1 DS13								
CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	18.04	19.50
21100	21298	QPSK	1	99	1	0	18.06	19.50
21350	21152	QPSK	1	0	1	99	18.01	19.50

Ant 1 DS13								
CA_38C								
Combination 15MHz+15MHz (75RB+75RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38000	QPSK	1	74	1	0	19.88	21.50
38000	38150	QPSK	1	74	1	0	19.95	21.50
38150	38000	QPSK	1	0	1	74	19.82	21.50

2CA DL

Configure	PCC										SCC					Power	
	LTE	Ant	BW	UL	UL	Mod.	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA	
	Band		(MHz)	Freq (MHz)	Channel		RB	RB		Freq (MHz)	Channel	Tx Power (dBm)	Tx Power (dBm)				
							Offset	Offset									
CA_2C	Band 2	Ant1	20M	1880	18900	QPSK	1	0		Band 2	20M	1979.8	1098		23.55	23.73	
	Band 2	Ant4	20M	1880	18900	QPSK	1	0		Band 2	20M	1979.8	1098		24.11	24.26	
CA_2A-4A	Band 2	Ant1	20M	1880	18900	QPSK	1	0		Band 4	20M	2132.5	2175		23.63	23.73	
	Band 2	Ant4	20M	1880	18900	QPSK	1	0		Band 4	20M	2132.5	2175		24.22	24.26	
	Band 4	Ant1	20M	2132.5	20175	QPSK	1	0		Band 2	20M	1980	900		23.42	23.85	
	Band 4	Ant4	20M	2132.5	20175	QPSK	1	0		Band 2	20M	1980	900		23.92	24.14	
CA_2A_5A	Band 2	Ant1	20M	1880	18900	QPSK	1	0		Band 5	10M	881.5	2525		23.67	23.73	
	Band 2	Ant4	20M	1880	18900	QPSK	1	0		Band 5	10M	881.5	2525		24.16	24.26	
	Band 5	Ant1	10M	838.5	20525	QPSK	1	0		Band 2	20M	1980	900		23.81	23.99	
	Band 5	Ant4	10M	838.5	20525	QPSK	1	0		Band 2	20M	1980	900		24.03	24.24	
CA_2A-7A	Band 2	Ant1	20M	1880	18900	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	23.53	23.73	
	Band 2	Ant4	20M	1880	18900	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	24.03	24.26	
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 2	20M	1980	900		23.91	24.09	
	Band 7	Ant4	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 2	20M	1980	900		23.63	23.85	
CA_4A-5A	Band 4	Ant1	20M	2132.5	20175	QPSK	1	0		Band 5	10M	881.5	2525		23.35	23.55	
	Band 4	Ant4	20M	2132.5	20175	QPSK	1	0		Band 5	10M	881.5	2525		24.01	24.14	
	Band 5	Ant1	10M	838.5	20525	QPSK	1	0		Band 4	20M	2132.5	2175		23.90	23.99	
	Band 5	Ant4	10M	838.5	20525	QPSK	1	0		Band 4	20M	2132.5	2175		24.02	24.24	
CA_4A-7A	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	23.34	23.55	
	Band 4	Ant4	20M	1732.5	20175	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	24.10	24.14	
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175		23.94	24.09	
	Band 7	Ant4	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175		23.64	23.85	
CA_5A-7A	Band 5	Ant1	10M	838.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	23.83	23.99	
	Band 5	Ant4	10M	838.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	24.13	24.24	
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		24.04	24.09	
	Band 7	Ant4	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		23.69	23.85	
CA_7C	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	24.02	24.09	
CA_7A-7A	Band 7	Ant4	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	23.81	23.85	
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	23.89	24.09	
CA_38C	Band 7	Ant4	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	23.66	23.85	
	Band 38	Ant1	20M	2595	38000	QPSK	1	0	4x4MIMO	Band 38	20M	2614.8	38198	4x4MIMO	24.02	24.05	
CA_41C	Band 38	Ant4	20M	2595	38000	QPSK	1	0	4x4MIMO	Band 38	20M	2614.8	38198	4x4MIMO	23.76	23.86	
	Band 41	Ant1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	23.95	24.12	
CA_41A-41A	Band 41	Ant4	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	23.91	23.96	
	Band 41	Ant1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	5M	2687.5	41565	4x4MIMO	23.88	24.12	
	Band 41	Ant4	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	5M	2687.5	41565	4x4MIMO	23.76	23.96	



Full Power level/Default Power level for 5G NR_DFT-15

n5 Ant1 Default power							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit MPR (dB)
Channel				166800	167300	167800	
Frequency (MHz)				834	836.5	839	
20	PI/2 BPSK	1	1	23.96	24.00	24.02	
20	PI/2 BPSK	1	53	23.90	23.95	23.89	25.5
20	PI/2 BPSK	1	104	23.87	23.89	23.90	
20	PI/2 BPSK	50	0	23.84	23.83	23.57	
20	PI/2 BPSK	50	28	23.92	24.00	23.99	25.0
20	PI/2 BPSK	50	56	23.96	23.96	23.52	
20	PI/2 BPSK	100	0	23.37	23.58	23.43	
20	QPSK	1	1	23.96	24.04	24.02	25.5
20	QPSK	1	53	23.94	23.94	23.80	
20	QPSK	1	104	23.89	23.76	23.78	
20	QPSK	50	0	23.08	23.07	23.04	24.5
20	QPSK	50	28	23.94	23.97	23.96	
20	QPSK	50	56	22.94	23.08	23.04	
20	QPSK	100	0	23.12	23.13	23.05	24.5
20	16QAM	1	1	22.62	22.63	22.52	
20	64QAM	1	1	21.03	21.20	21.19	
20	256QAM	1	1	19.78	19.77	19.73	21.0
Channel				166300	167300	168300	Tune-up limit MPR (dB)
Frequency (MHz)				831.5	836.5	841.5	
15	QPSK	1	1	23.79	23.99	23.50	
Channel				165800	167200	168500	Tune-up limit MPR (dB)
Frequency (MHz)				829	836.5	844	
10	QPSK	1	1	23.87	24.00	23.86	
Channel				165300	167300	169300	Tune-up limit MPR (dB)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	1	23.67	23.91	23.96	

n7 Ant1 Default power							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit MPR (dB)
Channel				502000	507000	512000	
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	24.06	24.16	24.19	25.5
20	PI/2 BPSK	1	53	24.03	24.19	23.99	
20	PI/2 BPSK	1	104	23.98	23.99	23.92	
20	PI/2 BPSK	50	0	23.70	23.75	23.61	25.0
20	PI/2 BPSK	50	28	24.21	24.24	24.14	
20	PI/2 BPSK	50	56	23.66	23.69	23.76	
20	PI/2 BPSK	100	0	23.58	23.75	23.69	25.5
20	QPSK	1	1	24.10	24.29	24.08	
20	QPSK	1	53	23.96	24.06	24.00	
20	QPSK	1	104	23.93	23.96	23.89	24.5
20	QPSK	50	0	23.05	23.19	23.08	
20	QPSK	50	28	24.00	24.20	24.19	
20	QPSK	50	56	23.21	23.23	23.31	24.5
20	QPSK	100	0	23.22	23.29	23.28	
20	16QAM	1	1	22.75	23.05	22.72	
20	64QAM	1	1	21.35	21.66	21.48	23.0
20	256QAM	1	1	20.02	20.21	20.00	
Channel				501500	507000	512500	Tune-up limit MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	1	24.01	24.10	23.84	
Channel				501000	507000	513000	Tune-up limit MPR (dB)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	1	23.95	24.05	23.94	
Channel				500500	507000	513500	Tune-up limit MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	1	23.83	24.19	23.77	



n38 Ant1 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				516000	519000	522000	25.5	0.0
Frequency (MHz)				2590	2595	2610		
20	PI/2 BPSK	1	1	23.65	23.86	23.71	25.5	0.0
20	PI/2 BPSK	1	53	23.67	23.86	23.70		
20	PI/2 BPSK	1	104	23.69	23.81	23.59	25.0	0.5
20	PI/2 BPSK	50	0	23.26	23.29	23.11		
20	PI/2 BPSK	50	26	23.83	23.79	23.52	25.5	0.0
20	PI/2 BPSK	50	56	23.34	23.24	23.17		
20	PI/2 BPSK	100	0	23.25	23.26	23.33	25.0	0.5
20	QPSK	1	1	23.85	23.95	23.93		
20	QPSK	1	53	23.82	23.74	23.56	25.5	0.0
20	QPSK	1	104	23.65	23.75	23.75		
20	QPSK	50	0	22.82	22.86	22.82	24.5	1.0
20	QPSK	50	26	23.70	23.79	23.64		
20	QPSK	50	56	22.85	22.87	22.81	24.5	1.0
20	QPSK	100	0	22.76	22.89	22.86		
20	16QAM	1	1	22.51	22.70	22.85	24.5	1.0
20	64QAM	1	1	21.19	21.26	21.25		
20	256QAM	1	1	19.81	19.97	19.83	21.0	4.5
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	PI/2 BPSK	1	1	23.80	23.87	23.87	25.5	0.0
Channel				515504	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	PI/2 BPSK	1	1	23.85	23.81	23.74	25.5	0.0
Channel				515000	519000	523000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
5	QPSK	1	1	23.86	23.88	23.93	25.5	0.0

n41 PC3 Ant1 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	2521.02	2592.99
Frequency (MHz)				2592.99	2592.99	2604.99		
50	PI/2 BPSK	1	1	22.73	22.84	22.56	24.5	0.0
50	PI/2 BPSK	1	135	23.29	23.47	23.42		
50	PI/2 BPSK	1	268	22.54	22.71	22.56	24.5	0.0
50	PI/2 BPSK	135	0	23.35	23.44	23.28		
50	PI/2 BPSK	135	68	23.64	23.53	23.38	24.5	0.0
50	PI/2 BPSK	135	135	23.54	23.53	23.19		
50	PI/2 BPSK	270	0	23.35	23.38	23.19	24.5	0.0
50	QPSK	1	1	22.35	22.60	22.53		
50	QPSK	1	135	23.43	23.65	23.36	24.5	0.0
50	QPSK	1	268	22.39	22.55	22.46		
50	QPSK	135	0	23.29	23.16	23.14	24.5	0.0
50	QPSK	135	68	23.54	23.59	23.51		
50	QPSK	135	135	23.26	23.10	23.22	24.5	0.0
50	QPSK	270	0	23.14	23.25	23.22		
50	16QAM	1	1	22.46	22.46	22.46	24.5	0.0
50	64QAM	1	1	22.40	22.45	22.43		
50	256QAM	1	1	20.45	20.37	20.38	21.0	3.5
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	23.41	23.44	23.33	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	23.56	23.53	23.21	24.5	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	19	23.96	23.51	23.24	24.5	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	12	23.53	23.52	23.28	24.5	0.0

n41 PC2 Ant1 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	2521.02	2592.99
Frequency (MHz)				2592.99	2592.99	2604.99		
50	PI/2 BPSK	1	1	23.33	23.48	23.29	26.0	0.0
50	PI/2 BPSK	1	135	24.37	24.42	24.16		
50	PI/2 BPSK	1	268	23.32	23.40	23.40	25.5	0.5
50	PI/2 BPSK	135	0	24.16	24.37	24.17		
50	PI/2 BPSK	135	68	24.52	24.69	24.50	26.0	0.0
50	PI/2 BPSK	135	135	24.19	24.37	24.39		
50	PI/2 BPSK	270	0	24.19	24.22	24.15	25.5	0.5
50	QPSK	1	1	23.65	23.70	23.55		
50	QPSK	1	135	24.62	24.80	24.61	26.0	0.0
50	QPSK	1	268	23.61	23.77	23.61		
50	QPSK	135	0	23.69	23.68	23.63	25.0	1.0
50	QPSK	135	68	24.44	24.76	24.70		
50	QPSK	135	135	23.56	23.76	23.52	25.0	1.0
50	QPSK	270	0	23.50	23.66	23.64		
50	16QAM	1	1	23.69	23.72	23.61	25.0	1.0
50	64QAM	1	1	22.18	22.36	22.22		
50	256QAM	1	1	20.70	20.76	20.62	21.5	4.5
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	24.55	24.56	24.52	26.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	24.55	24.57	24.57	26.0	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	19	24.57	24.57	24.55	26.0	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	12	24.50	24.50	24.51	26.0	0.0

n7 Ant2 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	23.14	23.20	23.15	25.0	0.0
20	PI/2 BPSK	1	53	23.14	23.17	23.21		
20	PI/2 BPSK	1	104	23.07	23.07	23.05		
20	PI/2 BPSK	50	0	22.59	22.71	22.59		
20	PI/2 BPSK	50	28	23.15	23.24	23.10	25.0	0.0
20	PI/2 BPSK	50	56	22.58	22.69	22.74	24.5	0.5
20	PI/2 BPSK	100	0	22.70	22.75	22.84		
20	QPSK	1	1	23.14	23.28	23.20	25.0	0.0
20	QPSK	1	53	23.21	23.24	23.03		
20	QPSK	1	104	23.19	23.07	23.16		
20	QPSK	50	0	22.10	22.27	22.16		
20	QPSK	50	28	23.17	23.27	23.12	25.0	0.0
20	QPSK	50	56	22.37	22.42	22.51	24.0	1.0
20	QPSK	100	0	22.35	22.43	22.37		
20	16QAM	1	1	22.21	22.35	22.22	24.0	1.0
20	64QAM	1	1	20.67	20.57	20.53	22.5	2.5
20	256QAM	1	1	18.76	18.83	18.74	20.5	4.5
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	23.18	23.31	23.22	25.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	23.16	23.34	23.21	25.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	23.18	23.33	23.28	25.0	0.0

n38 Ant2 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				516500	518000	522000	25.0	0.0
Frequency (MHz)				2590	2595	2610		
20	PI/2 BPSK	1	1	23.09	23.17	23.16	25.0	0.0
20	PI/2 BPSK	1	53	23.08	23.12	23.09		
20	PI/2 BPSK	1	104	23.23	23.11	23.11		
20	PI/2 BPSK	50	0	22.73	22.65	22.69	24.5	0.5
20	PI/2 BPSK	50	28	23.17	23.14	23.05	25.0	0.0
20	PI/2 BPSK	50	56	22.80	22.63	22.67	24.5	0.5
20	PI/2 BPSK	100	0	22.96	22.65	22.59		
20	QPSK	1	1	23.12	23.25	23.17		
20	QPSK	1	53	23.13	23.17	23.20	25.0	0.0
20	QPSK	1	104	23.08	23.10	23.09		
20	QPSK	50	0	22.13	22.20	22.08	24.0	1.0
20	QPSK	50	28	23.12	23.14	23.07	25.0	0.0
20	QPSK	50	56	22.26	22.25	22.18	24.0	1.0
20	QPSK	100	0	22.27	22.26	22.27	24.0	1.0
20	16QAM	1	1	22.26	22.48	22.43		
20	64QAM	1	1	20.76	20.70	20.75		
20	256QAM	1	1	18.79	18.84	18.70	20.5	4.5
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	PI/2 BPSK	1	1	23.15	23.17	23.10	25.0	0.0
Channel				515004	519000	522596	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	PI/2 BPSK	1	1	23.17	23.19	23.09	25.0	0.0
Channel				515000	519000	523000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
5	QPSK	1	1	23.11	23.18	23.11	25.0	0.0

n41 PC3 Ant2 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	533998	25.0	0.0
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	23.07	23.14	23.15	25.0	0.0
50	PI/2 BPSK	1	135	23.07	23.07	23.14		
50	PI/2 BPSK	1	268	23.03	23.08	23.14		
50	PI/2 BPSK	135	0	23.11	23.15	23.10	25.0	0.0
50	PI/2 BPSK	135	68	23.12	23.08	23.16	25.0	0.0
50	PI/2 BPSK	135	135	23.15	23.15	23.11	25.0	0.0
50	PI/2 BPSK	270	0	23.14	23.12	23.07		
50	QPSK	1	1	23.15	23.10	23.18		
50	QPSK	1	135	23.15	23.19	23.13	25.0	0.0
50	QPSK	1	268	23.13	23.15	23.16		
50	QPSK	135	0	23.11	23.15	23.12	25.0	0.0
50	QPSK	135	68	23.16	23.17	23.13	25.0	0.0
50	QPSK	135	135	23.09	23.20	23.11	25.0	0.0
50	QPSK	270	0	23.09	23.10	23.08	25.0	0.0
50	16QAM	1	1	23.10	23.14	23.11		
50	64QAM	k	1	21.76	21.79	21.85		
50	256QAM	1	1	19.70	19.66	19.68	21.5	3.5
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	23.07	23.10	23.16	25.0	0.0
Channel				501204	518598	533998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2670.99		
20	QPSK	1	26	23.08	23.11	23.12	25.0	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2662.48		
15	QPSK	1	19	23.06	23.12	23.12	25.0	0.0
Channel				500202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	12	23.09	23.09	23.17	25.0	0.0



Par270 n77 PC3 Ant2 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	656000	663668	24.0	0.0	
Frequency (MHz)				3725.01	3840	3955.02			
50	PV2 BPSK	1	1	22.52	22.68	22.61	24.0	0.0	
50	PV2 BPSK	1	135	23.37	23.45	23.40			
50	PV2 BPSK	1	268	22.53	22.67	22.68	24.0	0.0	
50	PV2 BPSK	135	0	23.15	23.30	23.26			
50	PV2 BPSK	135	68	23.35	23.18	23.40	24.0	0.0	
50	PV2 BPSK	135	135	23.17	23.33	23.25			
50	PV2 BPSK	270	0	23.33	23.36	23.22	24.0	0.0	
50	QPSK	1	1	22.53	22.72	22.68			
50	QPSK	1	135	23.50	23.55	23.46	24.0	0.0	
50	QPSK	1	268	22.74	22.69	22.55			
50	QPSK	135	0	23.21	23.37	23.18	24.0	0.0	
50	QPSK	135	68	23.20	23.38	23.23			
50	QPSK	135	135	23.28	23.26	23.11	24.0	0.0	
50	QPSK	270	0	23.19	23.29	23.10			
50	16QAM	1	1	22.77	22.76	22.76	24.0	0.0	
50	64QAM	1	1	22.76	22.76	22.79	23.5	0.5	
50	256QAM	1	1	21.15	21.34	21.20	21.5	2.5	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	53	23.42	23.39	23.35	24.0	0.0	
Channel				647334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	26	23.40	23.37	23.34	24.0	0.0	
Channel				647168	656000	664634	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	19	23.35	23.36	23.34	24.0	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	12	23.38	23.37	23.36	24.0	0.0	

Par270 n77 PC2 Ant2 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	656000	663668	27.0	0.0	
Frequency (MHz)				3725.01	3840	3955.02			
50	PV2 BPSK	1	1	25.10	25.10	25.06	27.0	0.0	
50	PV2 BPSK	1	135	25.31	25.35	25.23			
50	PV2 BPSK	1	268	24.88	24.96	24.83	26.5	0.5	
50	PV2 BPSK	135	0	25.31	25.50	25.34			
50	PV2 BPSK	135	68	25.42	25.46	25.38	27.0	0.0	
50	PV2 BPSK	135	135	25.38	25.44	25.39			
50	PV2 BPSK	270	0	25.28	25.44	25.35	26.5	0.5	
50	QPSK	1	1	25.26	25.19	25.04			
50	QPSK	1	135	25.41	25.53	25.48	27.0	0.0	
50	QPSK	1	268	25.27	25.28	25.31			
50	QPSK	135	0	24.68	24.85	24.66	26.0	1.0	
50	QPSK	135	68	25.35	25.42	25.24			
50	QPSK	135	135	24.58	24.50	24.78	26.0	1.0	
50	QPSK	270	0	24.63	24.68	24.61			
50	16QAM	1	1	24.59	24.61	24.59	26.0	1.0	
50	64QAM	1	1	23.12	23.17	2.18	24.5	2.5	
50	256QAM	1	1	20.94	20.95	20.87	22.5	4.5	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	53	25.31	25.46	25.33	27.0	0.0	
Channel				647334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	26	25.31	25.46	25.34	27.0	0.0	
Channel				647168	656000	664634	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	19	25.30	25.44	25.34	27.0	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	12	25.29	25.44	25.36	27.0	0.0	

Part27Q n77 PC3 Ant2 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				633334	633334	633334	3500.01		
Frequency (MHz)				3725.01	3840	3955.02			
50	PV2 BPSK	1	1			22.80	24.0	0.0	
50	PV2 BPSK	1	135			23.55			
50	PV2 BPSK	1	268			22.65	24.0	0.0	
50	PV2 BPSK	135	0			23.41			
50	PV2 BPSK	135	68			23.47	24.0	0.0	
50	PV2 BPSK	135	135			23.47			
50	PV2 BPSK	270	0			23.52	24.0	0.0	
50	QPSK	1	1			22.75			
50	QPSK	1	135			23.58	24.0	0.0	
50	QPSK	1	268			22.80			
50	QPSK	135	0			23.51	24.0	0.0	
50	QPSK	135	68			23.52			
50	QPSK	135	135			23.47	24.0	0.0	
50	QPSK	270	0			23.50			
50	16QAM	1	1			22.47	24.0	0.0	
50	64QAM	1	1			23.17	23.5	0.5	
50	256QAM	1	1			21.24	21.5	2.5	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53	23.37	23.35	23.26	24.0	0.0	
Channel				630968	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26	23.41	23.46	23.47	24.0	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	19	23.48	23.54	23.56	24.0	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.51			
10	QPSK	1	12	23.44	23.56	23.37	24.0	0.0	



Part27Q n77 PC2 Ant2 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				633334					
Frequency (MHz)				3500.01					
50	PI/2 BPSK	1	1		25.02				
50	PI/2 BPSK	1	135		25.37		27.0	0.0	
50	PI/2 BPSK	1	268		24.72				
50	PI/2 BPSK	135	0		25.25		26.5	0.5	
50	PI/2 BPSK	135	68		25.39		27.0	0.0	
50	PI/2 BPSK	135	135		25.29				
50	PI/2 BPSK	270	0		25.35		26.5	0.5	
50	QPSK	1	1		25.09				
50	QPSK	1	135		25.46		27.0	0.0	
50	QPSK	1	268		25.06				
50	QPSK	135	0		24.70		27.0	0.0	
50	QPSK	135	68		25.39		27.0	0.0	
50	QPSK	135	135		24.68		27.0	0.0	
50	QPSK	270	0		24.85				
50	16QAM	1	1		23.85		26.0	1.0	
50	64QAM	1	1		23.17		24.5	2.5	
50	256QAM	1	1		21.06		22.5	4.5	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	27.0	0.0	
40	QPSK	1	53		25.23	25.30	25.33	27.0	0.0
Channel				630959	633334	635800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3500.01	3540	27.0	0.0	
20	QPSK	1	26		25.24	25.31	25.34	27.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52	27.0	0.0	
15	QPSK	1	19		25.20	25.31	25.30	27.0	0.0
Channel				630333	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01	27.0	0.0	
10	QPSK	1	12		25.20	25.29	25.31	27.0	0.0

Part27O n78 PC3 Ant2 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				680000					
Frequency (MHz)				3750					
50	PI/2 BPSK	1	1		22.58				
50	PI/2 BPSK	1	135		23.32		24.0	0.0	
50	PI/2 BPSK	1	268		22.54				
50	PI/2 BPSK	135	0		23.30		24.0	0.0	
50	PI/2 BPSK	135	68		23.32		24.0	0.0	
50	PI/2 BPSK	135	135		23.33				
50	PI/2 BPSK	270	0		23.28		24.0	0.0	
50	QPSK	1	1		22.56				
50	QPSK	1	135		23.34		24.0	0.0	
50	QPSK	1	268		22.57				
50	QPSK	135	0		23.26		24.0	0.0	
50	QPSK	135	68		23.30		24.0	0.0	
50	QPSK	135	135		23.25		24.0	0.0	
50	QPSK	270	0		23.25				
50	16QAM	1	1		22.56		24.0	0.0	
50	64QAM	1	1		22.57		23.5	0.5	
50	256QAM	1	1		21.37		21.5	2.5	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	24.0	0.0	
40	QPSK	1	53		23.27	23.17	23.31	24.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	24.0	0.0	
20	QPSK	1	26		23.27	23.16	23.31	24.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51	24.0	0.0	
15	QPSK	1	19		23.31	23.16	23.31	24.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	24.0	0.0	
10	QPSK	1	12		23.29	23.14	23.31	24.0	0.0

Part27O n78 PC2 Ant2 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				650000					
Frequency (MHz)				3750					
50	PI/2 BPSK	1	1		25.10				
50	PI/2 BPSK	1	135		25.39		27.0	0.0	
50	PI/2 BPSK	1	268		25.12				
50	PI/2 BPSK	135	0		25.10		26.5	0.5	
50	PI/2 BPSK	135	68		25.39		27.0	0.0	
50	PI/2 BPSK	135	135		25.02				
50	PI/2 BPSK	270	0		24.96		26.5	0.5	
50	QPSK	1	1		25.13				
50	QPSK	1	135		25.45		27.0	0.0	
50	QPSK	1	268		25.12				
50	QPSK	135	0		25.12		27.0	0.0	
50	QPSK	135	68		25.39		27.0	0.0	
50	QPSK	135	135		24.46		27.0	0.0	
50	QPSK	270	0		24.61				
50	16QAM	1	1		23.81		26.0	1.0	
50	64QAM	1	1		23.14		24.5	2.5	
50	256QAM	1	1		20.97		22.5	4.5	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	27.0	0.0	
40	QPSK	1	53		25.33	25.18	25.30	27.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	27.0	0.0	
20	QPSK	1	26		25.34	25.18	25.30	27.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51	27.0	0.0	
15	QPSK	1	19		25.34	25.16	25.31	27.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	27.0	0.0	
10	QPSK	1	12		25.30	25.16	25.30	27.0	0.0

Part27Q 78 PC3 Ant2 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				633334	3500.01			
Frequency (MHz)				3500.01				
50	PI/2 BPSK	1	1		22.38		24.0	0.0
50	PI/2 BPSK	1	135		23.20			
50	PI/2 BPSK	1	268		22.32			
50	PI/2 BPSK	135	0		23.17		24.0	0.0
50	PI/2 BPSK	135	68		23.20			
50	PI/2 BPSK	135	135		23.21			
50	PI/2 BPSK	270	0		23.19		24.0	0.0
50	QPSK	1	1		22.37		24.0	0.0
50	QPSK	1	135		23.29			
50	QPSK	1	268		22.34			
50	QPSK	135	0		23.19		24.0	0.0
50	QPSK	135	68		23.26			
50	QPSK	135	135		23.23			
50	QPSK	270	0		23.24		24.0	0.0
50	16QAM	1	1		22.34		24.0	0.0
50	64QAM	1	1		22.75		23.5	0.5
50	256QAM	1	1		20.84		21.5	2.5
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53		23.18	23.17	23.19	24.0
Channel				630968	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480.02	3500.01	3540		
20	QPSK	1	26		23.17	23.18	23.22	24.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19		23.19	23.16	23.19	24.0
Channel				630324	633334	636324	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12		23.18	23.16	23.20	24.0

Part27Q 78 PC2 Ant2 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				633334	3500.01			
Frequency (MHz)				3500.01				
50	PI/2 BPSK	1	1		25.12		27.0	0.0
50	PI/2 BPSK	1	135		25.28			
50	PI/2 BPSK	1	268		25.10			
50	PI/2 BPSK	135	0		24.99		26.5	0.5
50	PI/2 BPSK	135	68		25.29		27.0	0.0
50	PI/2 BPSK	135	135		24.93		26.5	0.5
50	PI/2 BPSK	270	0		24.87		27.0	0.0
50	QPSK	1	1		25.11			
50	QPSK	1	135		25.36			
50	QPSK	1	268		25.09		27.0	0.0
50	QPSK	135	0		25.05		27.0	0.0
50	QPSK	135	68		25.29		27.0	0.0
50	QPSK	135	135		24.36		27.0	0.0
50	QPSK	270	0		24.49		26.0	1.0
50	16QAM	1	1		23.73		24.5	2.5
50	64QAM	1	1		22.82		22.5	4.5
50	256QAM	1	1		20.87			
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53		25.21	25.08	25.22	27.0
Channel				630968	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480.02	3500.01	3540		
20	QPSK	1	26		25.23	25.07	25.21	27.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19		25.21	25.08	25.19	27.0
Channel				630324	633334	636324	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12		25.22	25.09	25.20	27.0

Part27Q 78 PC3 Ant3 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				633334			24.0	0.0
Frequency (MHz)				3500.01				
50	PI/2 BPSK	1	1		22.48		24.0	0.0
50	PI/2 BPSK	1	135		23.27			
50	PI/2 BPSK	1	268		22.42			
50	PI/2 BPSK	135	0		23.36			
50	PI/2 BPSK	135	68		23.34			
50	PI/2 BPSK	135	135		23.18		24.0	0.0
50	PI/2 BPSK	270	0		23.23			
50	QPSK	1	1		22.52			
50	QPSK	1	135		23.39			
50	QPSK	1	268		22.43			
50	QPSK	135	0		23.32		24.0	0.0
50	QPSK	135	68		23.33			
50	QPSK	135	135		23.23			
50	QPSK	270	0		23.26			
50	16QAM	1	1		22.29		24.0	0.0
50	64QAM	1	1		22.85		23.5	0.5
50	256QAM	1	1		20.92		21.5	2.5
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01	24.0	0.0
40	QPSK	1	53	23.36	23.34	23.33	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	24.0	0.0
20	QPSK	1	26	23.31	23.38	23.32	24.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52	24.0	0.0
15	QPSK	1	19	23.33	23.32	23.38	24.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01	24.0	0.0
10	QPSK	1	12	23.35	23.33	23.32	24.0	0.0

Part27Q 78 PC2 Ant3 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				633334			27.0	0.0	
Frequency (MHz)				3500.01					
50	PI/2 BPSK	1	1		25.48		27.0	0.0	
50	PI/2 BPSK	1	135		25.87				
50	PI/2 BPSK	1	268		25.34				
50	PI/2 BPSK	135	0		25.77				
50	PI/2 BPSK	135	68		26.00				
50	PI/2 BPSK	135	135		25.70		26.5	0.5	
50	PI/2 BPSK	270	0		25.70		26.5	0.5	
50	QPSK	1	1		25.66		27.0	0.0	
50	QPSK	1	135		26.02				
50	QPSK	1	268		25.61				
50	QPSK	135	0		25.22				
50	QPSK	135	68		26.00				
50	QPSK	135	135		25.23		27.0	0.0	
50	QPSK	270	0		25.21		27.0	0.0	
50	16QAM	1	1		24.64		26.0	1.0	
50	64QAM	1	1		23.57		24.5	2.5	
50	256QAM	1	1		21.48		22.5	4.5	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	27.0	0.0	
40	QPSK	1	53		25.87	25.82	25.98	27.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	27.0	0.0	
20	QPSK	1	26		25.94	25.90	25.86	27.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52	27.0	0.0	
15	QPSK	1	19		25.86	25.90	25.94	27.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01	27.0	0.0	
10	QPSK	1	12		26.00	25.92	25.82	27.0	0.0

n5 Ant4 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	25.5	0.0
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	24.12	23.97	23.87		
20	PI/2 BPSK	1	53	23.74	23.89	23.79		
20	PI/2 BPSK	1	104	23.55	23.78	23.64	25.0	0.5
20	PI/2 BPSK	50	0	23.42	23.55	23.35		
20	PI/2 BPSK	50	28	24.04	24.06	23.85		
20	PI/2 BPSK	50	56	23.38	23.48	23.25		
20	PI/2 BPSK	100	0	23.43	23.60	23.44	25.0	0.5
20	QPSK	1	1	23.94	24.15	24.03		
20	QPSK	1	53	23.90	23.93	23.88		
20	QPSK	1	104	23.71	23.93	23.53		
20	QPSK	50	0	22.79	23.10	22.55	24.5	1.0
20	QPSK	50	28	23.75	23.98	23.64		
20	QPSK	50	56	23.12	23.10	23.09		
20	QPSK	100	0	23.13	23.15	23.12		
20	16QAM	1	1	23.12	23.15	23.10	24.5	1.0
1	64QAM	1	1	21.65	21.68	21.65		
20	256QAM	1	1	19.50	19.63	19.45		
Channel				166300	167300	168300	24.5	1.0
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.73	23.93	23.91		
Channel				165800	167300	168800	25.5	0.0
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.77	23.97	23.89		
Channel				165300	167300	169300	25.5	0.0
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	23.89	23.90	23.84		

n7 Ant4 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	25.5	0.0
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	24.30	24.58	24.67		
20	PI/2 BPSK	1	53	24.58	24.64	24.62	25.5	0.5
20	PI/2 BPSK	1	104	24.30	24.49	24.11		
20	PI/2 BPSK	50	0	24.11	24.04	24.01		
20	PI/2 BPSK	50	28	24.53	24.48	24.41		
20	PI/2 BPSK	50	56	23.90	23.98	24.00	25.0	0.5
20	PI/2 BPSK	100	0	24.03	24.19	24.03		
20	QPSK	1	1	24.53	24.69	24.46		
20	QPSK	1	53	24.51	24.67	24.56	25.5	0.0
20	QPSK	1	104	24.38	24.60	24.31		
20	QPSK	50	0	23.43	23.58	23.49		
20	QPSK	50	28	24.31	24.56	24.31		
20	QPSK	50	56	23.67	23.85	23.62	24.5	1.0
20	QPSK	100	0	23.65	23.69	23.60		
20	16QAM	1	1	23.48	23.34	23.41		
20	64QAM	1	1	22.08	22.09	21.93		
20	256QAM	1	1	20.34	20.47	20.33	21.0	4.5
Channel				501500	507000	512500		
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	24.50	24.53	24.30	25.5	0.0
Channel				501000	507000	513000		
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	24.43	24.60	24.30		
Channel				500500	507000	513500	25.5	0.0
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	24.51	24.63	24.40		

Part27O n77 PC3 Ant5 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				64834	65600	66368		
Frequency (MHz)				3725.01	3840	3955.02		
50	PI/2 BPSK	1	1	22.29	22.25	22.24	24.0	0.0
50	PI/2 BPSK	1	135	22.25	22.25	22.23		
50	PI/2 BPSK	1	268	22.23	22.22	22.22		
50	PI/2 BPSK	135	0	22.37	22.37	22.35	24.0	0.0
50	PI/2 BPSK	135	68	22.37	22.43	22.46	24.0	0.0
50	PI/2 BPSK	135	135	22.34	22.34	22.34	24.0	0.0
50	PI/2 BPSK	270	0	22.43	22.44	22.46		
50	QPSK	1	1	22.38	22.42	22.45		
50	QPSK	1	135	22.37	22.49	22.44	24.0	0.0
50	QPSK	1	268	22.24	22.22	22.26		
50	QPSK	135	0	22.44	22.44	22.44		
50	QPSK	135	68	22.39	22.47	22.42	24.0	0.0
50	QPSK	135	135	22.33	22.35	22.31	24.0	0.0
50	QPSK	270	0	22.30	22.37	22.27	24.0	0.0
50	16QAM	1	1	22.12	22.13	22.13		
50	64QAM	1	1	22.24	22.20	22.21		
50	256QAM	1	1	21.31	21.16	21.26	22.5	1.5
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	53	22.43	22.39	22.28	24.0	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	26	22.43	22.46	22.45	24.0	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	19	22.37	22.45	22.34	24.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	12	22.35	22.42	22.39	24.0	0.0

Part27Q n77 PC3 Ant5 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				633334				
Frequency (MHz)				3500.01				
50	PI/2 BPSK	1	1	22.09			24.0	0.0
50	PI/2 BPSK	1	135	22.27				
50	PI/2 BPSK	1	268	22.14				
50	PI/2 BPSK	135	0	22.29			24.0	0.0
50	PI/2 BPSK	135	68	22.27				
50	PI/2 BPSK	135	135	22.26				
50	PI/2 BPSK	270	0	22.31			24.0	0.0
50	QPSK	1	1	22.13			24.0	0.0
50	QPSK	1	135	22.34				
50	QPSK	1	268	22.18				
50	QPSK	135	0	22.24			24.0	0.0
50	QPSK	135	68	22.29				
50	QPSK	135	135	22.10				
50	QPSK	270	0	22.29			24.0	0.0
50	16QAM	1	1	22.18			24.0	0.0
50	64QAM	1	1	22.15			24.0	0.0
50	256QAM	1	1	21.13			22.5	1.5
Channel				631334	633334	635334	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	22.30	22.29	22.29	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26	22.31	22.26	22.25	24.0	0.0
Channel				630500	633334	636168	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	22.32	22.26	22.26	24.0	0.0
Channel				630332	633334	636334	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	22.32	22.26	22.29	24.0	0.0

Part27O n78 PC3 Ant5 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	651668		
Frequency (MHz)				3725.01	3750	3775.02		
50	PI/2 BPSK	1	1	22.24	22.25	22.21	24.0	0.0
50	PI/2 BPSK	1	135	22.26	22.24	22.25		
50	PI/2 BPSK	1	268	22.22	22.22	22.21		
50	PI/2 BPSK	135	0	22.24	22.27	22.23	24.0	0.0
50	PI/2 BPSK	135	68	22.26	22.22	22.24	24.0	0.0
50	PI/2 BPSK	135	135	22.21	22.20	22.23	24.0	0.0
50	PI/2 BPSK	270	0	22.21	22.21	22.21		
50	QPSK	1	1	22.11	22.12	22.13		
50	QPSK	1	135	22.34	22.36	22.30	24.0	0.0
50	QPSK	1	268	22.23	22.22	22.25		
50	QPSK	135	0	22.05	22.05	22.05		
50	QPSK	135	68	22.23	22.25	22.22	24.0	0.0
50	QPSK	135	135	22.13	22.13	22.10	24.0	0.0
50	QPSK	270	0	22.24	22.25	22.20	24.0	0.0
50	16QAM	1	1	22.21	22.21	22.22		
50	64QAM	1	1	22.10	22.13	22.13		
50	256QAM	1	1	21.16	21.13	21.12	22.5	1.5
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	53	22.26	22.34	22.22	24.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	26	22.30	22.32	22.23	24.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	19	22.32	22.32	22.20	24.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	12	22.30	22.34	22.23	24.0	0.0

Part27Q 78 PC3 Ant5 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				633334	633334	633334		
Frequency (MHz)				3500.01				
50	PI/2 BPSK	1	1		22.13		24.0	0.0
50	PI/2 BPSK	1	135		22.24			
50	PI/2 BPSK	1	268		22.24			
50	PI/2 BPSK	135	0		22.19		24.0	0.0
50	PI/2 BPSK	135	68		22.18			
50	PI/2 BPSK	135	135		22.20			
50	PI/2 BPSK	270	0		22.18		24.0	0.0
50	QPSK	1	1		21.99		24.0	0.0
50	QPSK	1	135		22.26			
50	QPSK	1	268		22.23			
50	QPSK	135	0		22.21		24.0	0.0
50	QPSK	135	68		22.24			
50	QPSK	135	135		22.09			
50	QPSK	270	0		22.21		24.0	0.0
50	16QAM	1	1		22.03		24.0	0.0
50	64QAM	1	1		22.05		24.0	0.0
50	256QAM	1	1		21.05		22.5	1.5
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	22.07	22.03	22.04	24.0	0.0
Channel				630558	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26	22.04	22.04	22.06	24.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	22.04	22.01	22.05	24.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	22.05	22.03	22.05	24.0	0.0



Par27O n77 PC3 Ant6 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	666000	683668	23.0	0.0
Frequency (MHz)				3725.01	3840	3955.02		
50	PI/2 BPSK	1	1	22.18	22.18	22.20		
50	PI/2 BPSK	1	135	22.16	22.18	22.16	23.0	0.0
50	PI/2 BPSK	1	268	22.15	22.15	22.17		
50	PI/2 BPSK	135	0	22.29	22.24	22.29		
50	PI/2 BPSK	135	68	22.31	22.35	22.33	23.0	0.0
50	PI/2 BPSK	135	135	22.27	22.28	22.25	23.0	0.0
50	PI/2 BPSK	270	0	22.36	22.35	22.30		
50	QPSK	1	1	22.29	22.36	22.32		
50	QPSK	1	135	22.33	22.38	22.35	23.0	0.0
50	QPSK	1	268	22.15	22.15	22.11		
50	QPSK	135	0	22.32	22.32	22.34		
50	QPSK	135	68	22.30	22.35	22.33	23.0	0.0
50	QPSK	135	135	22.24	22.25	22.25	23.0	0.0
50	QPSK	270	0	22.20	22.30	22.27		
50	16QAM	1	1	22.05	22.08	22.04	23.0	0.0
50	64QAM	1	1	22.16	22.14	22.12	23.0	0.0
50	256QAM	1	1	21.21	21.12	21.17	21.5	1.5
Channel				648000	666000	684000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960	23.0	0.0
40	QPSK	1	53	22.28	22.34	22.37	23.0	0.0
Channel				647334	666000	685668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02	23.0	0.0
20	QPSK	1	26	22.28	22.37	22.32	23.0	0.0
Channel				647168	666000	684834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51	23.0	0.0
15	QPSK	1	19	22.30	22.35	22.34	23.0	0.0
Channel				647000	666000	685000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975	23.0	0.0
10	QPSK	1	12	22.28	22.37	22.37	23.0	0.0

Part27Q n77 PC3 Ant6 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				633334			23.0	0.0
Frequency (MHz)				3500.01				
50	PI/2 BPSK	1	1	21.02				
50	PI/2 BPSK	1	135	21.21			23.0	0.0
50	PI/2 BPSK	1	268	21.05				
50	PI/2 BPSK	135	0	21.22				
50	PI/2 BPSK	135	68	21.26			23.0	0.0
50	PI/2 BPSK	135	135	21.21				
50	PI/2 BPSK	270	0	21.28				
50	QPSK	1	1	21.09			23.0	0.0
50	QPSK	1	135	21.29				
50	QPSK	1	268	21.08				
50	QPSK	135	0	21.19			23.0	0.0
50	QPSK	135	68	21.24				
50	QPSK	135	135	21.05				
50	QPSK	270	0	21.24			23.0	0.0
50	16QAM	1	1	21.10			23.0	0.0
50	64QAM	1	1	21.11			23.0	0.0
50	256QAM	1	1	20.07			21.5	1.5
Channel				631334	633334	635334	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3470.01	3500.01	3530.01	23.0	0.0
40	QPSK	1	53	21.25	21.25	21.24	23.0	0.0
Channel				630500	633334	636000	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3460.02	3500.01	3540	23.0	0.0
20	QPSK	1	26	21.26	21.23	21.25	23.0	0.0
Channel				630500	633334	636168	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3457.5	3500.01	3542.52	23.0	0.0
15	QPSK	1	19	21.24	21.22	21.22	23.0	0.0
Channel				633334	633334	633334	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3455.01	3500.01	3545.01	23.0	0.0
10	QPSK	1	12	21.25	21.23	21.21	23.0	0.0

Part27O n78 PC3 Ant6 Defualt power

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch / Freq 648334	Middle Ch / Freq 650000	High Ch / Freq 651668		
Channel				3726.01	3750	3775.02		
50	PI/2 BPSK	1	1		22.17		23.0	0.0
50	PI/2 BPSK	1	135		22.21			
50	PI/2 BPSK	1	268		22.19			
50	PI/2 BPSK	135	0		22.20		23.0	0.0
50	PI/2 BPSK	135	68		22.18		23.0	0.0
50	PI/2 BPSK	135	135		22.16		23.0	0.0
50	PI/2 BPSK	270	0		22.20			
50	QPSK	1	1		22.08		23.0	0.0
50	QPSK	1	135		22.32			
50	QPSK	1	268		22.18			
50	QPSK	135	0		22.01		23.0	0.0
50	QPSK	135	68		22.16		23.0	0.0
50	QPSK	135	135		22.06		23.0	0.0
50	QPSK	270	0		22.18		23.0	0.0
50	16QAM	1	1		22.15		23.0	0.0
50	64QAM	1	1		22.10		23.0	0.0
50	256QAM	1	1		21.10		21.5	1.5
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	53	22.11	22.20	22.04	23.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	26	22.12	22.17	22.04	23.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	19	22.11	22.18	22.05	23.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	12	22.11	22.18	22.04	23.0	0.0

Part27Q 78 PC3 Ant6 Defualt 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				633334	3500.01			
Frequency (MHz)					3500.01			
50	PI/2 BPSK	1	1		21.02		23.0	0.0
50	PI/2 BPSK	1	135		21.11			
50	PI/2 BPSK	1	268		21.14			
50	PI/2 BPSK	135	0		21.10		23.0	0.0
50	PI/2 BPSK	135	68		21.07			
50	PI/2 BPSK	135	135		21.12		23.0	0.0
50	PI/2 BPSK	270	0		21.10			
50	QPSK	1	1		21.08		23.0	0.0
50	QPSK	1	135		21.21			
50	QPSK	1	268		21.15			
50	QPSK	135	0		21.09		23.0	0.0
50	QPSK	135	68		21.19			
50	QPSK	135	135		20.99		23.0	0.0
50	QPSK	270	0		21.09			
50	16QAM	1	1		20.52		23.0	0.0
50	64QAM	1	1		20.95		23.0	0.0
50	256QAM	1	1		19.98		21.5	1.5
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	21.09	21.08	21.13	23.0	0.0
Channel				632558	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26	21.11	21.09	21.12	23.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	21.09	21.08	21.10	23.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	21.11	21.08	21.10	23.0	0.0

Full Power level/Default Power level for 5G NR_DFT-30

n5 Ant1 Default power								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 166800	Power Middle Ch. / Freq. 167300	Power High Ch. / Freq. 167800	Tune-up limit (dbm)	MPR (db)
Channel				834	836.5	839	25.5	0.0
Frequency (MHz)								
20	PI/2 BPSK	1	1	23.87	24.07	23.93	25.5	0.0
20	PI/2 BPSK	1	26	23.82	24.01	23.85		
20	PI/2 BPSK	1	49	23.80	23.92	23.82		
20	PI/2 BPSK	25	0	23.70	23.78	23.59	25.0	0.5
20	PI/2 BPSK	25	13	23.81	24.03	23.81	25.5	0.0
20	PI/2 BPSK	25	26	23.55	23.69	23.61	25.0	0.5
20	PI/2 BPSK	50	0	23.55	23.74	23.69		
20	QPSK	1	1	23.90	24.11	24.07	25.5	0.0
20	QPSK	1	26	23.83	24.04	23.98		
20	QPSK	1	49	23.79	23.92	23.87		
20	QPSK	25	0	23.07	23.24	23.19	24.5	1.0
20	QPSK	25	13	23.87	24.06	23.89	25.5	0.0
20	QPSK	25	26	23.05	23.14	22.98	24.5	1.0
20	QPSK	50	0	23.12	23.26	23.09		
20	16QAM	1	1	22.81	22.91	22.76	24.5	1.0
20	64QAM	1	1	21.22	21.27	21.09	23.0	2.5
20	256QAM	1	1	19.55	19.69	19.61	21.0	4.5
Channel				166300	167300	168300	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.87	23.94	23.80	25.5	0.0
Channel				165800	167300	168800	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.86	23.98	23.86	25.5	0.0

n7 Ant1 Default power								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 502000	Power Middle Ch. / Freq. 507000	Power High Ch. / Freq. 512000	Tune-up limit (dBm)	MPR (dB)
Channel				2510	2535	2560	25.5	MPR (dB)
Frequency (MHz)								
20	PI/2 BPSK	1	1	24.18	24.39	24.31	25.5	0.0
20	PI/2 BPSK	1	26	24.16	24.36	24.19		
20	PI/2 BPSK	1	49	24.13	24.26	24.04		
20	PI/2 BPSK	25	0	23.79	23.91	23.71	25.0	0.5
20	PI/2 BPSK	25	13	24.34	24.38	24.25	25.5	0.0
20	PI/2 BPSK	25	26	23.77	23.89	23.85	25.0	0.5
20	PI/2 BPSK	50	0	23.83	23.92	23.79		
20	QPSK	1	1	24.27	24.45	24.33	25.5	0.0
20	QPSK	1	26	24.38	24.42	24.24		
20	QPSK	1	49	24.08	24.24	24.14		
20	QPSK	25	0	23.30	23.41	23.32	24.5	1.0
20	QPSK	25	13	24.21	24.42	24.32	25.5	0.0
20	QPSK	25	26	23.52	23.54	23.51	24.5	1.0
20	QPSK	50	0	23.55	23.59	23.51		
20	16QAM	1	1	22.96	23.16	22.98	24.5	1.0
20	64QAM	1	1	21.65	21.78	21.64	23.0	2.5
20	256QAM	1	1	20.24	20.31	20.27	21.0	4.5
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	25.5	0.0
15	QPSK	1	1	24.21	24.31	24.15	25.5	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	25.5	0.0
10	QPSK	1	1	24.11	24.35	24.30	25.5	0.0

n7 Ant2 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	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	23.07	23.15	23.08			
20	PI/2 BPSK	1	26	23.10	23.13	23.19	25.0	0.0	
20	PI/2 BPSK	1	49	23.02	23.04	23.01			
20	PI/2 BPSK	25	0	22.57	22.67	22.58	24.5	0.5	
20	PI/2 BPSK	25	13	23.12	23.16	23.04	25.0	0.0	
20	PI/2 BPSK	25	26	22.56	22.67	22.65			
20	PI/2 BPSK	50	0	22.61	22.72	22.67	24.5	0.5	
20	QPSK	1	1	23.05	23.24	23.11			
20	QPSK	1	26	23.16	23.20	23.01	25.0	0.0	
20	QPSK	1	49	23.18	23.02	23.14			
20	QPSK	25	0	22.07	22.19	22.10	24.0	1.0	
20	QPSK	25	13	23.09	23.19	23.08	25.0	0.0	
20	QPSK	25	26	22.32	22.34	22.28			
20	QPSK	50	0	22.34	22.35	22.30	24.0	1.0	
20	16QAM	1	1	22.14	22.26	22.17	24.0	1.0	
20	64QAM	1	1	20.62	20.54	20.56	22.5	2.5	
20	256QAM	1	1	18.73	18.77	18.67	20.5	4.5	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	23.14	23.16	23.03	25.0	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	23.13	23.15	23.02	25.0	0.0	

n38 Ant2 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				516600	518000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2590	2595	2610		
20	PI/2 BPSK	1	1	23.01	23.04	23.12	25.0	0.0
20	PI/2 BPSK	1	26	23.03	23.20	23.07		
20	PI/2 BPSK	1	49	23.18	23.04	23.05		
20	PI/2 BPSK	25	0	22.68	22.58	22.67	24.5	0.5
20	PI/2 BPSK	25	13	23.08	23.10	23.02	25.0	0.0
20	PI/2 BPSK	25	26	22.54	22.57	22.59	24.5	0.5
20	PI/2 BPSK	50	0	22.80	22.64	22.57		
20	QPSK	1	1	23.05	23.22	23.15		
20	QPSK	1	26	23.10	23.12	23.17	25.0	0.0
20	QPSK	1	49	23.06	23.09	23.07		
20	QPSK	25	0	22.04	22.15	22.03		
20	QPSK	25	13	23.07	23.11	23.02	25.0	0.0
20	QPSK	25	26	22.20	22.20	22.14	24.0	1.0
20	QPSK	50	0	22.22	22.24	22.20	24.0	1.0
20	16QAM	1	1	22.22	22.41	22.41		
20	64QAM	1	1	20.72	20.67	20.75		
20	256QAM	1	1	18.75	18.79	18.66	20.5	4.5
Channel				515902	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	PI/2 BPSK	1	1	23.06	23.12	23.04	25.0	0.0
Channel				515004	518000	522596	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	PI/2 BPSK	1	1	23.04	23.14	23.06	25.0	0.0

n41 PC3 Ant2 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				506202	518998	528000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	23.03	23.08	23.12	25.0	0.0
100	PI/2 BPSK	1	137	23.03	23.20	23.13		
100	PI/2 BPSK	1	271	23.02	23.03	23.13		
100	PI/2 BPSK	135	0	23.08	23.13	23.09	25.0	0.0
100	PI/2 BPSK	135	69	23.20	23.22	23.12	25.0	0.0
100	PI/2 BPSK	135	138	23.10	23.14	23.06	25.0	0.0
100	PI/2 BPSK	270	0	23.08	23.07	23.01		
100	QPSK	1	1	23.11	23.03	23.14		
100	QPSK	1	137	23.13	23.26	23.10	25.0	0.0
100	QPSK	1	271	23.07	23.20	23.11		
100	QPSK	135	0	23.16	23.19	23.16		
100	QPSK	135	69	23.22	23.24	23.18	25.0	0.0
100	QPSK	135	138	23.04	23.17	23.11	25.0	0.0
100	QPSK	270	0	23.03	23.09	23.05		
100	16QAM	1	1	23.09	23.11	23.04		
100	64QAM	1	1	21.71	21.76	21.79	23.5	1.5
100	256QAM	1	1	19.64	19.64	19.67	21.5	3.5
Channel				508200	518998	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	23.07	23.10	23.05	25.0	0.0
Channel				507204	518998	529996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2538.02	2592.99	2649.99		
80	QPSK	1	109	23.17	23.06	23.09	25.0	0.0
Channel				506200	518998	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	23.06	23.10	23.08	25.0	0.0
Channel				504204	518998	532996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	23.16	23.07	23.08	25.0	0.0
Channel				503202	518998	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	23.05	23.10	23.06	25.0	0.0
Channel				501204	518998	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	23.02	23.08	23.11	25.0	0.0
Channel				500700	518998	536498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.15	2592.99	2682.02		
15	QPSK	1	19	23.05	23.08	23.16	25.0	0.0
Channel				500202	518998	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	12	23.02	23.07	23.11	25.0	0.0

Part27Q 78 PC3 Ant3 Defualt 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				633334				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1		22.49			
100	PI/2 BPSK	1	137		23.31		24.0	0.0
100	PI/2 BPSK	1	271		22.40			
100	PI/2 BPSK	135	0		23.29		24.0	0.0
100	PI/2 BPSK	135	69		23.32			
100	PI/2 BPSK	135	138		23.31			
100	PI/2 BPSK	270	0		23.28		24.0	0.0
100	QPSK	1	1		22.46			
100	QPSK	1	137		23.38		24.0	0.0
100	QPSK	1	271		22.46			
100	QPSK	135	0		23.30			
100	QPSK	135	69		23.35		24.0	0.0
100	QPSK	135	138		23.33			
100	QPSK	270	0		23.33		24.0	0.0
100	16QAM	1	1		22.44		24.0	0.0
100	64QAM	1	1		22.89		23.5	0.5
100	256QAM	1	1		20.87		21.5	2.5
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	123		23.27	23.16	23.30	24.0 0.0
Channel				632956	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	109		23.30	23.15	23.30	24.0 0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	81		23.30	23.16	23.30	24.0 0.0
Channel				631068	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	67		23.28	23.17	23.31	24.0 0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	53		23.31	23.16	23.31	24.0 0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	26		23.28	23.17	23.32	24.0 0.0
Channel				630500	633334	636168	Tune-up limit	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)
15	QPSK	1	19		23.29	23.14	23.30	24.0 0.0
Channel				630334	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	12		23.27	23.17	23.31	24.0 0.0

Part27Q 78 PC2 Ant3 Defualt 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				633334				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1		25.03			
100	PI/2 BPSK	1	137		25.49		27.0	0.0
100	PI/2 BPSK	1	271		24.98			
100	PI/2 BPSK	135	0		25.21		26.5	0.5
100	PI/2 BPSK	135	69		25.48		27.0	0.0
100	PI/2 BPSK	135	138		25.13			
100	PI/2 BPSK	270	0		25.07		26.5	0.5
100	QPSK	1	1		25.13			
100	QPSK	1	137		25.56		27.0	0.0
100	QPSK	1	271		25.05			
100	QPSK	135	0		25.24		26.0	1.0
100	QPSK	135	69		25.48		27.0	0.0
100	QPSK	135	138		24.56		26.0	1.0
100	QPSK	270	0		24.70			
100	16QAM	1	1		23.94		26.0	1.0
100	64QAM	1	1		23.14		24.5	2.5
100	256QAM	1	1		21.09		22.5	4.5
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	123		25.41	25.29	25.40	27.0 0.0
Channel				632956	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	109		25.42	25.26	25.38	27.0 0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	81		25.43	25.27	25.41	27.0 0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	67		25.43	25.29	25.37	27.0 0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3550.01	(dBm)	(dB)
40	QPSK	1	53		25.42	25.25	25.37	27.0 0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	26		25.42	25.27	25.39	27.0 0.0
Channel				630500	633334	636168	Tune-up limit	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)
15	QPSK	1	19		25.41	25.27	25.39	27.0 0.0
Channel				630334	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	12		25.43	25.26	25.40	27.0 0.0

Part27Q 78 PC3 Ant3 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				633334			24.0	0.0
Frequency (MHz)				3500.01				
100	Pi/2 BPSK	1	1		22.33			
100	Pi/2 BPSK	1	137		23.12			
100	Pi/2 BPSK	1	271		22.27			
100	Pi/2 BPSK	135	0		23.20		24.0	0.0
100	Pi/2 BPSK	135	69		23.20			
100	Pi/2 BPSK	135	138		23.02			
100	Pi/2 BPSK	270	0		23.06			
100	QPSK	1	1		22.38			
100	QPSK	1	137		23.24		24.0	0.0
100	QPSK	1	271		22.27			
100	QPSK	135	0		23.15			
100	QPSK	135	69		23.19			
100	QPSK	135	138		23.07			
100	QPSK	270	0		23.12		24.0	0.0
100	16QAM	1	1		22.14		24.0	0.0
100	64QAM	1	1		22.79		23.5	0.5
100	256QAM	1	1		20.80		21.5	2.5
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	123	23.01	23.03	23.03	24.0	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	109	22.99	22.98	23.00	24.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	81	22.96	22.94	22.96	24.0	0.0
Channel				631668	633334	633500	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	67	22.90	22.90	22.94	24.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	53	22.95	23.00	22.96	24.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	26	22.87	22.94	23.05	24.0	0.0
Channel				630500	633334	636168	Tune-up limit	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)
15	QPSK	1	19	23.04	22.87	23.05	24.0	0.0
Channel				630334	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	12	23.05	22.88	22.88	24.0	0.0

Part27Q 78 PC2 Ant3 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				633334			27.0	0.0		
Frequency (MHz)				3500.01						
100	Pi/2 BPSK	1	1		25.68		27.0	0.0		
100	Pi/2 BPSK	1	137		26.06					
100	Pi/2 BPSK	1	271		25.56					
100	Pi/2 BPSK	135	0		25.98				26.5	0.5
100	Pi/2 BPSK	135	69		26.21				27.0	0.0
100	Pi/2 BPSK	135	138		25.91		26.5	0.5		
100	Pi/2 BPSK	270	0		25.88					
100	QPSK	1	1		25.87					
100	QPSK	1	137		26.23				27.0	0.0
100	QPSK	1	271		25.62					
100	QPSK	135	0		25.42		26.0	1.0		
100	QPSK	135	69		26.20		27.0	0.0		
100	QPSK	135	138		25.42		26.0	1.0		
100	QPSK	270	0		25.41					
100	16QAM	1	1		24.83		26.0	1.0		
100	64QAM	1	1		23.57		24.5	2.5		
100	256QAM	1	1		21.85		22.5	4.5		
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3495	3500.01	3505.02				
90	QPSK	1	123	26.05	26.07	26.01	27.0	0.0		
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3490.02	3500.01	3510				
80	QPSK	1	109	25.99	25.99	26.05	27.0	0.0		
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3480	3500.01	3520.02				
60	QPSK	1	81	26.11	26.09	26.09	27.0	0.0		
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3475.02	3500.01	3525				
50	QPSK	1	67	25.97	26.13	26.10	27.0	0.0		
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3470.01	3500.01	3530.01				
40	QPSK	1	53	26.14	26.10	26.00	27.0	0.0		
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3460.02	3500.01	3540				
20	QPSK	1	26	26.01	26.12	26.13	27.0	0.0		
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3457.5	3500.01	3542.52				
15	QPSK	1	19	25.99	26.11	26.09	27.0	0.0		
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3455.01	3500.01	3545.01				
10	QPSK	1	12	26.03	25.96	26.12	27.0	0.0		

n5 Ant4 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	25.5	0.0
Frequency (MHz)				834	836.5	838		
20	PI/2 BPSK	1	1	23.94	24.14	24.11		
20	PI/2 BPSK	1	26	23.95	24.04	23.86	25.5	0.0
20	PI/2 BPSK	1	49	23.74	23.96	23.83		
20	PI/2 BPSK	25	0	23.47	23.64	23.50		
20	PI/2 BPSK	25	13	24.07	24.10	23.94	25.5	0.0
20	PI/2 BPSK	25	26	23.50	23.61	23.42	25.0	0.5
20	PI/2 BPSK	50	0	23.54	23.67	23.64		
20	QPSK	1	1	24.03	24.22	24.20		
20	QPSK	1	26	24.03	24.06	23.92	25.5	0.0
20	QPSK	1	49	23.82	23.96	23.74		
20	QPSK	25	0	22.92	23.13	23.02		
20	QPSK	25	13	23.87	24.08	23.86	25.5	0.0
20	QPSK	25	26	22.91	23.05	22.98	24.5	1.0
20	QPSK	50	0	22.87	23.10	22.91	24.5	1.0
20	16QAM	1	1	22.58	22.65	22.52		
20	64QAM	1	1	21.10	21.20	21.02		
20	256QAM	1	1	19.73	19.75	19.58	21.0	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5	25.5	0.0
15	QPSK	1	1	23.95	24.11	24.13		
Channel				135600	137300	138500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826	836.5	844	25.5	0.0
10	QPSK	1	1	24.02	24.16	24.09		

n7 Ant4 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	25.5	0.0
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	24.69	24.91	24.88		
20	PI/2 BPSK	1	26	24.85	24.86	24.84	25.5	0.0
20	PI/2 BPSK	1	49	24.69	24.73	24.51		
20	PI/2 BPSK	25	0	24.36	24.44	24.37		
20	PI/2 BPSK	25	13	24.89	24.89	24.71	25.5	0.0
20	PI/2 BPSK	25	26	24.12	24.36	24.28	25.0	0.5
20	PI/2 BPSK	50	0	24.26	24.41	24.40		
20	QPSK	1	1	24.90	24.95	24.84		
20	QPSK	1	26	24.83	24.83	24.74	25.5	0.0
20	QPSK	1	49	24.74	24.84	24.63		
20	QPSK	25	0	23.79	23.92	23.85		
20	QPSK	25	13	24.65	24.76	24.59	25.5	0.0
20	QPSK	25	26	23.84	23.86	23.65	24.5	1.0
20	QPSK	50	0	23.69	23.67	23.66	24.5	1.0
20	16QAM	1	1	23.72	23.72	23.61		
20	64QAM	1	1	22.27	22.36	22.13		
20	256QAM	1	1	20.65	20.74	20.60	21.0	4.5
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	25.5	0.0
15	QPSK	1	1	24.86	24.84	24.66		
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	25.5	0.0
10	QPSK	1	1	24.82	24.79	24.80		



n38 Ant4 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				516000	518000	520000			
Frequency (MHz)				2580	2595	2610			
20	PI/2 BPSK	1	1	24.31	24.47	24.48			
20	PI/2 BPSK	1	26	24.21	24.36	24.25	25.5	0.0	
20	PI/2 BPSK	1	49	24.30	24.41	24.26			
20	PI/2 BPSK	25	0	23.78	23.92	23.72	25.0	0.5	
20	PI/2 BPSK	25	13	24.29	24.40	24.30	25.5	0.0	
20	PI/2 BPSK	25	26	23.94	23.96	23.82			
20	PI/2 BPSK	50	0	23.86	24.02	23.96	25.0	0.5	
20	QPSK	1	1	24.36	24.51	24.23			
20	QPSK	1	26	24.33	24.45	24.07	25.5	0.0	
20	QPSK	1	49	24.37	24.29	24.21			
20	QPSK	25	0	23.50	23.53	23.39	24.5	1.0	
20	QPSK	25	13	24.24	24.43	24.30	25.5	0.0	
20	QPSK	25	26	23.51	23.63	23.69			
20	QPSK	50	0	23.56	23.61	23.60			
20	16QAM	1	1	23.60	23.57	23.54	24.5	1.0	
20	64QAM	1	1	22.11	22.23	22.16	23.0	2.5	
20	256QAM	1	1	20.18	20.16	20.07	21.0	4.5	
Channel				515502	518000	522498			
Frequency (MHz)				2577.51	2595	2612.49			
15	PI/2 BPSK	1	1	24.31	24.41	24.19	25.5	0.0	
Channel				515004	518000	522596			
Frequency (MHz)				2575.02	2595	2614.98			
10	PI/2 BPSK	1	1	24.27	24.35	24.10	25.5	0.0	

n41 PC3 Ant4 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				509202	518598	528090			
Frequency (MHz)				2546.01	2592.99	2644			
100	PI/2 BPSK	1	1	23.30	23.36	23.15			
100	PI/2 BPSK	1	137	24.18	24.30	24.20	24.5	0.0	
100	PI/2 BPSK	1	271	23.42	23.54	23.43			
100	PI/2 BPSK	135	0	24.05	24.14	24.00	24.5	0.0	
100	PI/2 BPSK	135	69	24.22	24.29	24.07	24.5	0.0	
100	PI/2 BPSK	135	138	24.17	24.22	24.03			
100	PI/2 BPSK	270	0	24.05	24.15	24.02	24.5	0.0	
100	QPSK	1	1	23.19	23.24	23.17			
100	QPSK	1	137	24.10	24.31	24.23	24.5	0.0	
100	QPSK	1	271	23.40	23.42	23.41			
100	QPSK	135	0	24.05	24.07	23.98	24.5	0.0	
100	QPSK	135	69	24.13	24.30	24.25	24.5	0.0	
100	QPSK	135	138	24.08	24.25	24.19	24.5	0.0	
100	QPSK	270	0	23.92	24.12	24.00			
100	16QAM	1	1	23.12	23.17	23.05	24.5	0.0	
100	64QAM	1	1	22.76	22.83	22.75	23.0	1.5	
100	256QAM	1	1	20.66	20.71	20.68	21.0	3.5	
Channel				508200	518598	528996			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	123	24.04	24.22	24.11	24.5	0.0	
Channel				507204	518598	529596			
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	109	24.15	24.01	24.03	24.5	0.0	
Channel				505200	518598	531996			
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	24.11	24.15	24.07	24.5	0.0	
Channel				504204	518598	532596			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	24.14	24.00	24.14	24.5	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	24.01	24.13	24.06	24.5	0.0	
Channel				501204	518598	535098			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	24.12	24.02	24.04	24.5	0.0	
Channel				500700	518598	536496			
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	19	24.17	24.16	24.01	24.5	0.0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	12	24.14	24.12	24.16	24.5	0.0	

n41 PC2 Ant4 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				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	23.21	23.44	23.25			
100	PI/2 BPSK	1	137	24.66	24.78	24.75	26.0	0.0	
100	PI/2 BPSK	1	271	23.86	24.04	23.99			
100	PI/2 BPSK	135	0	24.25	24.34	24.26	25.5	0.5	
100	PI/2 BPSK	135	69	24.55	24.65	24.42	26.0	0.0	
100	PI/2 BPSK	135	138	24.55	24.62	24.57			
100	PI/2 BPSK	270	0	24.28	24.47	24.39	25.5	0.5	
100	QPSK	1	1	23.40	23.47	23.30			
100	QPSK	1	137	24.60	24.83	24.79	26.0	0.0	
100	QPSK	1	271	23.89	24.11	23.99			
100	QPSK	135	0	23.38	23.48	23.33	25.0	1.0	
100	QPSK	135	69	24.76	24.78	24.66	26.0	0.0	
100	QPSK	135	138	23.59	23.75	23.69	25.0	1.0	
100	QPSK	270	0	23.48	23.69	23.52			
100	16QAM	1	1	23.49	23.64	23.63	25.0	1.0	
100	64QAM	1	1	21.90	22.10	22.06	23.5	2.5	
100	256QAM	1	1	20.27	20.28	20.05	21.5	4.5	
Channel				508200	518598	528996			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	123	24.32	24.46	24.06	26.0	0.0	
Channel				507204	518598	529596			
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	109	24.22	24.47	24.07	26.0	0.0	
Channel				505200	518598	531996			
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	24.30	24.47	24.29	26.0	0.0	
Channel				504204	518598	532596			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	24.21	24.39	24.07	26.0	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	24.33	24.42	24.11	26.0	0.0	
Channel				501204	518598	535098			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	24.25	24.31	24.11	26.0	0.0	
Channel				500700	518598	536496			
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	19	24.37	24.20	24.13	26.0	0.0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	12	24.34	24.31	24.09	26.0	0.0	

Par270 n77 PC3 Ant5 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				656000	656000	662000	24.0	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	22.37	22.36	22.35		
100	PI/2 BPSK	1	137	22.36	22.35	22.34	24.0	0.0
100	PI/2 BPSK	1	271	22.34	22.32	22.33		
100	PI/2 BPSK	135	0	22.49	22.46	22.45		
100	PI/2 BPSK	135	69	22.47	22.54	22.55	24.0	0.0
100	PI/2 BPSK	135	138	22.45	22.43	22.43		
100	PI/2 BPSK	270	0	22.54	22.54	22.55		
100	QPSK	1	1	22.47	22.54	22.55	24.0	0.0
100	QPSK	1	137	22.49	22.57	22.54		
100	QPSK	1	271	22.32	22.32	22.31		
100	QPSK	135	0	22.55	22.54	22.52	24.0	0.0
100	QPSK	135	69	22.47	22.56	22.54		
100	QPSK	135	138	22.44	22.43	22.41		
100	QPSK	270	0	22.39	22.48	22.47	24.0	0.0
100	16QAM	1	1	22.24	22.22	22.24		
100	64QAM	1	1	22.34	22.32	22.31		
100	256QAM	1	1	21.40	21.27	21.35	22.5	1.5
Channel				649668	656000	662334	24.0	0.0
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	123	22.29	22.40	22.38		
Channel				649334	656000	662066	24.0	0.0
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	109	22.45	22.38	22.45		
Channel				648668	656000	663334	24.0	0.0
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	81	22.44	22.26	22.37		
Channel				648334	656000	663666	24.0	0.0
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	67	22.31	22.29	22.35		
Channel				648000	656000	664000	24.0	0.0
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	53	22.26	22.36	22.43		
Channel				647334	656000	664668	24.0	0.0
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	26	22.28	22.33	22.32		
Channel				647168	656000	664834	24.0	0.0
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	19	22.32	22.28	22.23		
Channel				647000	656000	665000	24.0	0.0
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	12	22.34	22.30	22.37		

Part27Q n77 PC3 Ant5 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				633334	633334	639000	24.0	0.0
Frequency (MHz)				3500.01	3500.01	3550.01		
100	PI/2 BPSK	1	1	22.21	22.21	22.21		
100	PI/2 BPSK	1	137	22.37	22.37	22.37	24.0	0.0
100	PI/2 BPSK	1	271	22.22	22.22	22.22		
100	PI/2 BPSK	135	0	22.38	22.38	22.38		
100	PI/2 BPSK	135	69	22.39	22.39	22.39	24.0	0.0
100	PI/2 BPSK	135	138	22.37	22.37	22.37		
100	PI/2 BPSK	270	0	22.42	22.42	22.42		
100	QPSK	1	1	22.25	22.25	22.25	24.0	0.0
100	QPSK	1	137	22.42	22.42	22.42		
100	QPSK	1	271	22.24	22.24	22.24		
100	QPSK	135	0	22.34	22.34	22.34	24.0	0.0
100	QPSK	135	69	22.39	22.39	22.39		
100	QPSK	135	138	22.21	22.21	22.21		
100	QPSK	270	0	22.39	22.39	22.39	24.0	0.0
100	16QAM	1	1	22.26	22.26	22.26		
100	64QAM	1	1	22.23	22.23	22.23		
100	256QAM	1	1	21.24	21.24	21.24	22.5	1.5
Channel				633000	633334	633668	24.0	0.0
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	123	22.41	22.37	22.37		
Channel				632566	633334	634000	24.0	0.0
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	109	22.26	22.34	22.37		
Channel				632000	633334	634668	24.0	0.0
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	22.36	22.26	22.24		
Channel				631668	633334	635000	24.0	0.0
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	22.35	22.23	22.24		
Channel				631334	633334	635334	24.0	0.0
Frequency (MHz)				3470.01	3500.01	3550.01		
40	QPSK	1	53	22.33	22.17	22.26		
Channel				630668	633334	636000	24.0	0.0
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26	22.24	22.29	22.23		
Channel				630500	633334	636168	24.0	0.0
Frequency (MHz)				3457.5	3500.01	3543.52		
15	QPSK	1	19	22.19	22.34	22.16		
Channel				630334	633334	636334	24.0	0.0
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	22.32	22.23	22.29		

Part270 n78 PC3 Ant5 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				650000				
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1		22.33		24.0	0.0
100	PI/2 BPSK	1	137		22.35			
100	PI/2 BPSK	1	271		22.33			
100	PI/2 BPSK	135	0		22.35	24.0		
100	PI/2 BPSK	135	69		22.34		24.0	0.0
100	PI/2 BPSK	135	138		22.31		24.0	0.0
100	PI/2 BPSK	270	0		22.32			
100	QPSK	1	1		22.22			
100	QPSK	1	137		22.46			
100	QPSK	1	271		22.33		24.0	0.0
100	QPSK	135	0		22.15	24.0		
100	QPSK	135	69		22.35	24.0		
100	QPSK	135	138		22.21	24.0		
100	QPSK	270	0		22.33		24.0	0.0
100	16QAM	0	1		22.31		24.0	0.0
100	64QAM	1	1		22.22		24.0	0.0
100	256QAM	1	1		21.24		22.5	1.5
Channel				649688	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	123	22.07	22.34	22.22	24.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3749.01	3750	3760.02		
80	QPSK	1	109	22.07	22.32	22.21	24.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	81	22.09	22.35	22.26	24.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	67	22.18	22.29	22.24	24.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3760		
40	QPSK	1	53	22.06	22.33	22.28	24.0	0.0
Channel				647334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	26	22.08	22.35	22.15	24.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	19	22.05	22.31	22.20	24.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	12	22.20	22.24	22.25	24.0	0.0

Part27Q 78 PC3 Ant5 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)	MPRR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1		22.17		24.0	0.0
100	PI/2 BPSK	1	137		22.27			
100	PI/2 BPSK	1	271		22.31			
100	PI/2 BPSK	135	0		22.25			
100	PI/2 BPSK	135	69		22.23		24.0	0.0
100	PI/2 BPSK	135	138		22.26			
100	PI/2 BPSK	270	0		22.23		24.0	0.0
100	QPSK	1	1		22.02		24.0	0.0
100	QPSK	1	137		22.32			
100	QPSK	1	271		22.28			
100	QPSK	135	0		22.27			
100	QPSK	135	69		22.30		24.0	0.0
100	QPSK	135	138		22.13			
100	QPSK	270	0		22.24		24.0	0.0
100	16QAM	1	1		22.08		24.0	0.0
100	64QAM	1	1		22.10		24.0	0.0
100	256QAM	1	1		21.11		22.5	1.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPRR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	123	22.10	22.08	22.09	24.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPRR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	109	22.08	22.12	22.13	24.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPRR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	22.01	22.14	22.15	24.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPRR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	22.10	22.08	22.09	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPRR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	22.04	22.03	22.04	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPRR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26	22.14	22.13	22.03	24.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPRR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	22.02	22.06	22.00	24.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPRR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	22.07	22.05	22.01	24.0	0.0



Par27O n77 PC3 Ant6 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				660000	666000	662000	23.0	0.0
Frequency (MHz)				3750	3840	3630		
100	PI/2 BPSK	1	1	22.34	22.33	22.34		
100	PI/2 BPSK	1	137	22.32	22.34	22.31		
100	PI/2 BPSK	1	271	22.30	22.29	22.31	23.0	0.0
100	PI/2 BPSK	135	0	22.45	22.41	22.43		
100	PI/2 BPSK	135	69	22.44	22.52	22.49		
100	PI/2 BPSK	135	138	22.41	22.42	22.40		
100	PI/2 BPSK	270	0	22.53	22.50	22.52	23.0	0.0
100	QPSK	1	1	22.43	22.51	22.53		
100	QPSK	1	137	22.48	22.54	22.50		
100	QPSK	1	271	22.30	22.30	22.26		
100	QPSK	135	0	22.51	22.51	22.50	23.0	0.0
100	QPSK	135	69	22.44	22.53	22.49		
100	QPSK	135	138	22.40	22.41	22.39		
100	QPSK	270	0	22.37	22.44	22.42		
100	16QAM	1	1	22.22	22.21	22.19	23.0	0.0
100	64QAM	1	1	22.30	22.29	22.28		
100	256QAM	1	1	21.35	21.26	21.32		
Channel				648668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01	23.0	0.0
90	QPSK	1	123	22.26	22.39	22.35		
Channel				647334	656000	662668		
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	109	22.28	22.38	22.37	23.0	0.0
Channel				648668	656000	663334		
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	81	22.27	22.35	22.36		
Channel				647334	656000	663668	23.0	0.0
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	67	22.25	22.35	22.36		
Channel				648000	656000	664000	23.0	0.0
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	53	22.26	22.38	22.35		
Channel				647334	656000	664668	23.0	0.0
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	26	22.26	22.38	22.33		
Channel				647168	656000	664834	23.0	0.0
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	19	22.24	22.35	22.35		
Channel				647000	656000	665000	23.0	0.0
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	12	22.27	22.37	22.35		

Part27Q n77 PC3 Ant6 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				633334	633334	6350.01	23.0	0.0
Frequency (MHz)						3500.01		
100	PI/2 BPSK	1	1			21.19		
100	PI/2 BPSK	1	137			21.36		
100	PI/2 BPSK	1	271			21.20	23.0	0.0
100	PI/2 BPSK	135	0			21.39		
100	PI/2 BPSK	135	69			21.41		
100	PI/2 BPSK	135	138			21.35		
100	PI/2 BPSK	270	0			21.42	23.0	0.0
100	QPSK	1	1			21.24		
100	QPSK	1	137			21.43		
100	QPSK	1	271			21.23		
100	QPSK	135	0			21.34	23.0	0.0
100	QPSK	135	69			21.40		
100	QPSK	135	138			21.19		
100	QPSK	270	0			21.39		
100	16QAM	1	1			21.24	23.0	0.0
100	64QAM	1	1			21.24		
100	256QAM	1	1			20.23		
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02	23.0	0.0
90	QPSK	1	123	21.40	21.38	21.38		
Channel				632000	633334	634000		
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	109	21.37	21.39	21.36	23.0	0.0
Channel				632000	633334	634668		
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	21.35	21.37	21.36		
Channel				631000	633334	635000	23.0	0.0
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	21.39	21.36	21.37		
Channel				631334	633334	635334	23.0	0.0
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	21.38	21.36	21.39		
Channel				630668	633334	636000	23.0	0.0
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26	21.40	21.35	21.37		
Channel				630500	633334	636168	23.0	0.0
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	21.41	21.37	21.37		
Channel				630334	633334	636334	23.0	0.0
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	21.39	21.39	21.36		

Part270 n78 PC3 Ant6 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				650000					
Frequency (MHz)				3750					
100	PI/2 BPSK	1	1		22.32				
100	PI/2 BPSK	1	137		22.37		23.0	0.0	
100	PI/2 BPSK	1	271		22.34				
100	PI/2 BPSK	135	0		22.35		23.0	0.0	
100	PI/2 BPSK	135	69		22.34		23.0	0.0	
100	PI/2 BPSK	135	138		22.29				
100	PI/2 BPSK	270	0		22.33		23.0	0.0	
100	QPSK	1	1		22.23				
100	QPSK	1	137		22.48		23.0	0.0	
100	QPSK	1	271		22.34				
100	QPSK	135	0		22.15		23.0	0.0	
100	QPSK	135	69		22.33		23.0	0.0	
100	QPSK	135	138		22.19		23.0	0.0	
100	QPSK	270	0		22.33				
100	16QAM	0	1		22.30		23.0	0.0	
100	64QAM	1	1		22.24		23.0	0.0	
100	256QAM	1	1		21.25		21.5	1.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	123		22.07	22.34	22.20	23.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	109		22.08	22.36	22.23	23.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	81		22.06	22.34	22.22	23.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	67		22.08	22.34	22.22	23.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3760			
40	QPSK	1	53		22.08	22.34	22.22	23.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	26		22.07	22.35	22.22	23.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	19		22.06	22.34	22.20	23.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	12		22.09	22.35	22.21	23.0	0.0

Part27Q 78 PC3 Ant6 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				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		21.17				
100	PI/2 BPSK	1	137		21.26		23.0	0.0	
100	PI/2 BPSK	1	271		21.30				
100	PI/2 BPSK	135	0		21.24				
100	PI/2 BPSK	135	69		21.22		23.0	0.0	
100	PI/2 BPSK	135	138		21.25				
100	PI/2 BPSK	270	0		21.24		23.0	0.0	
100	QPSK	1	1		21.03				
100	QPSK	1	137		21.35		23.0	0.0	
100	QPSK	1	271		21.30				
100	QPSK	135	0		21.25				
100	QPSK	135	69		21.32		23.0	0.0	
100	QPSK	135	138		21.14				
100	QPSK	270	0		21.25		23.0	0.0	
100	16QAM	1	1		21.08		23.0	0.0	
100	64QAM	1	1		21.08		23.0	0.0	
100	256QAM	1	1		20.11		21.5	1.5	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	123		21.17	21.16	21.19	23.0	0.0
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	109		21.13	21.18	21.19	23.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	81		21.14	21.18	21.19	23.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	67		21.13	21.19	21.18	23.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	53		21.15	21.16	21.19	23.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	26		21.14	21.17	21.18	23.0	0.0
Channel				630500	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	19		21.16	21.16	21.19	23.0	0.0
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	12		21.13	21.17	21.18	23.0	0.0



Reduced power level for 5G NR DSH1

n5 Ant1 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)				831.5	836.5	841.5		
20	PI/2 BPSK	1	1	23.87	24.07	23.93	25.5	0.0
20	PI/2 BPSK	1	26	23.82	24.01	23.85		
20	PI/2 BPSK	1	49	23.80	23.92	23.82		
20	PI/2 BPSK	25	0	23.70	23.78	23.59	25.0	0.5
20	PI/2 BPSK	25	13	23.81	24.03	23.81	25.5	0.0
20	PI/2 BPSK	25	26	23.35	23.69	23.61	25.0	0.5
20	PI/2 BPSK	50	0	23.55	23.74	23.69		
20	QPSK	1	1	23.90	24.11	24.07		
20	QPSK	1	26	23.83	24.04	23.98	25.5	0.0
20	QPSK	1	49	23.79	23.92	23.87		
20	QPSK	25	0	23.07	23.24	23.19		
20	QPSK	25	13	23.07	24.06	23.89	25.5	0.0
20	QPSK	25	26	23.05	23.14	22.98	24.5	1.0
20	QPSK	50	0	23.12	23.26	23.09		
20	16QAM	1	1	22.81	22.91	22.76		
20	64QAM	1	1	21.22	21.27	21.09	23.0	2.5
20	256QAM	1	1	19.95	19.69	19.61	21.0	4.5
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.87	23.94	23.80	25.5	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.86	23.98	23.86	25.5	0.0

n7 Ant1 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)				2310	2335	2350		
20	PI/2 BPSK	1	1	24.18	24.39	24.31	25.5	0.0
20	PI/2 BPSK	1	26	24.16	24.36	24.19		
20	PI/2 BPSK	1	49	24.13	24.26	24.04		
20	PI/2 BPSK	25	0	23.79	23.91	23.71	25.0	0.5
20	PI/2 BPSK	25	13	24.34	24.38	24.25	25.5	0.0
20	PI/2 BPSK	25	26	23.77	23.89	23.85	25.0	0.5
20	PI/2 BPSK	50	0	23.83	23.92	23.79		
20	QPSK	1	1	24.27	24.45	24.33		
20	QPSK	1	26	24.38	24.42	24.24	25.5	0.0
20	QPSK	1	49	24.08	24.24	24.14		
20	QPSK	25	0	23.30	23.41	23.32		
20	QPSK	25	13	24.21	24.42	24.32	25.5	0.0
20	QPSK	25	26	23.52	23.54	23.51	24.5	1.0
20	QPSK	50	0	23.55	23.59	23.51		
20	16QAM	1	1	22.98	23.16	22.98		
20	64QAM	1	1	21.65	21.78	21.64	23.0	2.5
20	256QAM	1	1	20.24	20.31	20.27	21.0	4.5
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	24.21	24.31	24.15	25.5	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	24.11	24.35	24.30	25.5	0.0

n38 Ant1 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				516600	518000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2590	2595	2610		
20	PI/2 BPSK	1	1	23.89	23.96	23.81	25.5	0.0
20	PI/2 BPSK	1	26	23.93	24.06	23.88		
20	PI/2 BPSK	1	49	23.89	23.94	23.78	25.0	0.5
20	PI/2 BPSK	25	0	23.39	23.49	23.27		
20	PI/2 BPSK	25	13	24.00	24.02	23.81	25.0	0.5
20	PI/2 BPSK	25	26	23.45	23.48	23.38		
20	PI/2 BPSK	50	0	23.52	23.52	23.48	25.5	0.0
20	QPSK	1	1	23.94	24.12	24.05		
20	QPSK	1	26	24.00	24.01	23.78	24.5	1.0
20	QPSK	1	49	23.78	23.87	23.77		
20	QPSK	25	0	22.96	23.04	22.53	24.5	1.0
20	QPSK	25	13	23.98	24.03	23.93		
20	QPSK	25	26	23.10	23.11	23.05	24.5	1.0
20	QPSK	50	0	23.12	23.13	23.09		
20	16QAM	1	1	23.12	23.33	23.32	23.0	2.5
20	64QAM	1	1	21.12	21.17	21.17		
20	256QAM	1	1	19.74	19.88	19.84	21.0	4.5
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	PI/2 BPSK	1	1	23.72	23.88	23.93	25.5	0.0
Channel				515004	518000	522596	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	PI/2 BPSK	1	1	23.82	23.91	23.98	25.5	0.0

n41 PC2 Ant1 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				506202	518898	528000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	23.43	23.52	23.49	26.0	0.0
100	PI/2 BPSK	1	137	24.44	24.49	24.37		
100	PI/2 BPSK	1	271	23.48	23.57	23.44	25.5	0.5
100	PI/2 BPSK	135	0	24.25	24.47	24.24		
100	PI/2 BPSK	135	69	24.66	24.71	24.60	25.5	0.5
100	PI/2 BPSK	135	138	24.32	24.56	24.51		
100	PI/2 BPSK	270	0	24.24	24.42	24.19	26.0	0.0
100	QPSK	1	1	23.80	23.84	23.62		
100	QPSK	1	137	24.68	24.84	24.62	25.0	1.0
100	QPSK	1	271	23.99	23.79	23.78		
100	QPSK	135	0	24.04	24.01	24.05	26.0	0.0
100	QPSK	135	69	24.63	24.82	24.81		
100	QPSK	135	138	23.81	23.85	23.83	25.0	1.0
100	QPSK	270	0	23.84	23.85	23.82		
100	16QAM	1	1	23.72	23.79	23.67	23.5	2.5
100	64QAM	1	1	22.17	22.35	22.29		
100	256QAM	1	1	20.84	20.90	20.79	21.5	4.5
Channel				508200	518998	528998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	24.49	24.58	24.25	26.0	0.0
Channel				507204	518998	528998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2538.02	2592.99	2649.99		
80	QPSK	1	109	24.46	24.67	24.32	26.0	0.0
Channel				506200	518998	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	24.56	24.60	24.28	26.0	0.0
Channel				504204	518998	533998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2684.99		
50	QPSK	1	67	24.41	24.54	24.35	26.0	0.0
Channel				503202	518998	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	24.44	24.59	24.36	26.0	0.0
Channel				501204	518998	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	24.45	24.62	24.40	26.0	0.0
Channel				500700	518998	536498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.15	2592.99	2682.0		
15	QPSK	1	19	24.53	24.54	24.24	26.0	0.0
Channel				500202	518998	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	12	24.61	24.50	24.46	26.0	0.0

n7 Ant2 DSI1								
BW [MHz]	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	PI/2 BPSK	1	1	20.65	20.74	20.67	22.0	0.0
20	PI/2 BPSK	1	26	20.67	20.54	20.72		
20	PI/2 BPSK	1	49	20.66	20.64	20.50		
20	PI/2 BPSK	25	0	20.56	20.70	20.60		
20	PI/2 BPSK	25	13	20.74	20.65	20.67	22.0	0.0
20	PI/2 BPSK	25	26	20.56	20.61	20.66	22.0	0.0
20	PI/2 BPSK	50	0	20.57	20.62	20.54		
20	QPSK	1	1	20.65	20.77	20.49		
20	QPSK	1	26	20.55	20.61	20.53		
20	QPSK	1	49	20.63	20.58	20.67	22.0	0.0
20	QPSK	25	0	20.58	20.62	20.51		
20	QPSK	25	13	20.56	20.76	20.60		
20	QPSK	25	26	20.72	20.55	20.66		
20	QPSK	50	0	20.55	20.73	20.62	22.0	0.0
20	16QAM	1	1	20.56	20.65	20.60		
20	64QAM	1	1	20.55	20.75	20.57		
20	256QAM	1	1	19.12	19.23	19.11		
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	20.50	20.60	20.58	22.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	20.53	20.58	20.52	22.0	0.0

n38 Ant2 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				516600	518000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2590	2595	2610			
20	PI/2 BPSK	1	1	18.31	18.30	18.35	20.0	0.0	
20	PI/2 BPSK	1	26	18.29	18.36	18.35			
20	PI/2 BPSK	1	49	18.13	18.42	18.39			
20	PI/2 BPSK	25	0	18.22	18.32	18.40	20.0	0.0	
20	PI/2 BPSK	25	13	18.29	18.41	18.25	20.0	0.0	
20	PI/2 BPSK	25	26	18.26	18.36	18.26	20.0	0.0	
20	PI/2 BPSK	50	0	18.17	18.34	18.40			
20	QPSK	1	1	18.21	18.33	18.27			
20	QPSK	1	26	18.24	18.47	18.31	20.0	0.0	
20	QPSK	1	49	18.14	18.34	18.23			
20	QPSK	25	0	18.29	18.38	18.35			
20	QPSK	25	13	18.30	18.41	18.24	20.0	0.0	
20	QPSK	25	26	18.18	18.32	18.39	20.0	0.0	
20	QPSK	50	0	18.37	18.34	18.42	20.0	0.0	
20	16QAM	1	1	18.31	18.35	18.28			
20	64QAM	1	1	18.15	18.38	18.25			
20	256QAM	1	1	18.14	18.38	18.36	20.0	0.0	
Channel				515902	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	PI/2 BPSK	1	1	18.13	18.40	18.28	20.0	0.0	
Channel				515004	519000	522596	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	PI/2 BPSK	1	1	18.19	18.31	18.26	20.0	0.0	

n41 PC3 Ant2 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				506202	518598	528000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	18.57	18.77	18.57	20.0	0.0	
100	PI/2 BPSK	1	137	18.70	18.79	18.54			
100	PI/2 BPSK	1	271	18.64	18.65	18.56			
100	PI/2 BPSK	135	0	18.56	18.69	18.48	20.0	0.0	
100	PI/2 BPSK	135	69	18.72	18.82	18.56	20.0	0.0	
100	PI/2 BPSK	135	138	18.63	18.68	18.59	20.0	0.0	
100	PI/2 BPSK	270	0	18.52	18.70	18.64			
100	QPSK	1	1	18.73	18.81	18.68			
100	QPSK	1	137	18.52	18.82	18.43	20.0	0.0	
100	QPSK	1	271	18.64	18.75	18.70			
100	QPSK	135	0	18.70	18.73	18.58			
100	QPSK	135	69	18.67	18.84	18.57	20.0	0.0	
100	QPSK	135	138	18.54	18.65	18.55	20.0	0.0	
100	QPSK	270	0	18.56	18.76	18.48	20.0	0.0	
100	16QAM	1	1	18.72	18.69	18.68			
100	64QAM	1	1	18.53	18.69	18.63			
100	256QAM	1	1	18.74	18.76	18.56	20.0	0.0	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	123	18.65	18.71	18.50	20.0	0.0	
Channel				507204	518598	529996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2649.99			
80	QPSK	1	109	18.60	18.69	18.64	20.0	0.0	
Channel				506200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	18.66	18.72	18.51	20.0	0.0	
Channel				504204	518598	532996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	18.67	18.65	18.60	20.0	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	18.63	18.75	18.53	20.0	0.0	
Channel				501204	518598	535996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	18.55	18.77	18.70	20.0	0.0	
Channel				500700	518598	536498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.05	2592.99	2682.00			
15	QPSK	1	19	18.61	18.79	18.65	20.0	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	12	18.59	18.79	18.52	20.0	0.0	

Par270 n77 PC2 Ant2 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				656000	666000	665000	21.0	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	19.55	19.69	19.57	21.0	0.0
100	PI/2 BPSK	1	137	19.51	19.65	19.67		
100	PI/2 BPSK	1	271	19.53	19.64	19.69		
100	PI/2 BPSK	135	0	19.58	19.64	19.66		
100	PI/2 BPSK	135	69	19.52	19.59	19.68	21.0	0.0
100	PI/2 BPSK	135	138	19.71	19.71	19.77	21.0	0.0
100	PI/2 BPSK	270	0	19.54	19.68	19.66		
100	QPSK	1	1	19.51	19.74	19.75		
100	QPSK	1	137	19.55	19.75	19.75		
100	QPSK	1	271	19.59	19.72	19.75	21.0	0.0
100	QPSK	135	0	19.63	19.65	19.57	21.0	0.0
100	QPSK	135	69	19.60	19.72	19.70	21.0	0.0
100	QPSK	135	138	19.70	19.68	19.67	21.0	0.0
100	QPSK	270	0	19.64	19.72	19.68	21.0	0.0
100	16QAM	1	1	19.71	19.73	19.65	21.0	0.0
100	64QAM	1	1	19.56	19.70	19.67	21.0	0.0
100	256QAM	1	1	19.72	19.65	19.68	21.0	0.0
Channel				648668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	123	19.52	19.67	19.62	21.0	0.0
Channel				648334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	109	19.58	19.75	19.56	21.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	81	19.57	19.73	19.75	21.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	67	19.51	19.60	19.60	21.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	53	19.64	19.73	19.62	21.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	26	19.64	19.62	19.57	21.0	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	19	19.53	19.63	19.62	21.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	12	19.56	19.75	19.72	21.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPRR (dB)
Channel				633334			21.0	0.0
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1		19.56		21.0	0.0
100	PI/2 BPSK	1	137		19.48			
100	PI/2 BPSK	1	271		19.61			
100	PI/2 BPSK	135	0		19.63			
100	PI/2 BPSK	135	69		19.49		21.0	0.0
100	PI/2 BPSK	135	138		19.48		21.0	0.0
100	PI/2 BPSK	270	0		19.51			
100	QPSK	1	1		19.49			
100	QPSK	1	137		19.64			
100	QPSK	1	271		19.46		21.0	0.0
100	QPSK	135	0		19.48		21.0	0.0
100	QPSK	135	69		19.63		21.0	0.0
100	QPSK	135	138		19.43		21.0	0.0
100	QPSK	270	0		19.48		21.0	0.0
100	16QAM	1	1		19.45		21.0	0.0
100	64QAM	1	1		19.50		21.0	0.0
100	256QAM	1	1		19.55		21.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPRR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	123	19.56	19.59	19.50	21.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPRR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	109	19.41	19.40	19.31	21.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPRR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	19.39	19.45	19.40	21.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPRR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	19.49	19.40	19.39	21.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPRR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	19.34	19.49	19.35	21.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPRR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26	19.35	19.37	19.35	21.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPRR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	19.41	19.47	19.40	21.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPRR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	19.57	19.45	19.35	21.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000				
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1		19.48		21.0	0.0
100	PI/2 BPSK	1	137		19.54			
100	PI/2 BPSK	1	271		19.60			
100	PI/2 BPSK	135	0		19.71		21.0	0.0
100	PI/2 BPSK	135	69		19.69		21.0	0.0
100	PI/2 BPSK	135	138		19.68		21.0	0.0
100	PI/2 BPSK	270	0		19.62			
100	QPSK	1	1		19.59			
100	QPSK	1	137		19.75		21.0	0.0
100	QPSK	1	271		19.57			
100	QPSK	135	0		19.63			
100	QPSK	135	69		19.65		21.0	0.0
100	QPSK	135	138		19.60		21.0	0.0
100	QPSK	270	0		19.56		21.0	0.0
100	16QAM	1	1		19.55			
100	64QAM	1	1		19.72			
100	256QAM	1	1		19.61		21.0	0.0
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	123		19.64	19.61	19.57	21.0
Channel				649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	109		19.49	19.40	19.44	21.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	81		19.55	19.61	19.49	21.0
Channel				643334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	67		19.49	19.49	19.47	21.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3760	(dBm)	(dB)
40	QPSK	1	53		19.42	19.55	19.55	21.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	26		19.64	19.47	19.54	21.0
Channel				647168	650000	652834	Tune-up limit	MPR
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)
15	QPSK	1	19		19.53	19.50	19.37	21.0
Channel				647000	650000	653000	Tune-up limit	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	12		19.56	19.41	19.43	21.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1		19.47		21.0	0.0
100	PI/2 BPSK	1	137		19.50			
100	PI/2 BPSK	1	271		19.66			
100	PI/2 BPSK	135	0		19.56		21.0	0.0
100	PI/2 BPSK	135	69		19.46		21.0	0.0
100	PI/2 BPSK	135	138		19.53		21.0	0.0
100	PI/2 BPSK	270	0		19.52			
100	QPSK	1	1		19.66			
100	QPSK	1	137		19.68		21.0	0.0
100	QPSK	1	271		19.61			
100	QPSK	135	0		19.65			
100	QPSK	135	69		19.44		21.0	0.0
100	QPSK	135	138		19.54		21.0	0.0
100	QPSK	270	0		19.55		21.0	0.0
100	16QAM	1	1		19.58			
100	64QAM	1	1		19.54			
100	256QAM	1	1		19.50		21.0	0.0
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	123		19.62	19.66	19.66	21.0
Channel				632968	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	109		19.53	19.59	19.36	21.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	81		19.47	19.57	19.44	21.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	67		19.52	19.61	19.45	21.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	53		19.56	19.63	19.36	21.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	26		19.49	19.67	19.47	21.0
Channel				630500	633334	636168	Tune-up limit	MPR
Frequency (MHz)				3452.5	3500.01	3542.52	(dBm)	(dB)
15	QPSK	1	19		19.64	19.54	19.56	21.0
Channel				630334	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	12		19.58	19.63	19.51	21.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				656000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	18.41	18.51	18.39	19.0	0.0
100	PI/2 BPSK	1	137	18.34	18.50	18.45		
100	PI/2 BPSK	1	271	18.44	18.38	18.59	19.0	0.0
100	PI/2 BPSK	135	0	18.31	18.54	18.55		
100	PI/2 BPSK	135	69	18.38	18.46	18.49	19.0	0.0
100	PI/2 BPSK	135	138	18.32	18.58	18.59		
100	PI/2 BPSK	270	0	18.33	18.58	18.48	19.0	0.0
100	QPSK	1	1	18.47	18.56	18.57		
100	QPSK	1	137	18.51	18.61	18.44	19.0	0.0
100	QPSK	1	271	18.46	18.49	18.41		
100	QPSK	135	0	18.42	18.40	18.53	19.0	1.0
100	QPSK	135	69	18.41	18.55	18.53		
100	QPSK	135	138	18.43	18.50	18.45	19.0	0.0
100	QPSK	270	0	18.36	18.46	18.39		
100	16QAM	1	1	18.35	18.59	18.46	19.0	0.0
100	64QAM	1	1	18.49	18.47	18.48		
100	256QAM	1	1	18.34	18.48	18.41	19.0	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	123	18.34	18.60	18.38	19.0	0.0
Channel				649334	652000	662000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	109	18.43	18.47	18.36	19.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	81	18.45	18.57	18.51	19.0	0.0
Channel				643334	650000	663566	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	67	18.42	18.43	18.58	19.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	53	18.28	18.45	18.43	19.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	26	18.39	18.60	18.40	19.0	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.52	3840	3972.51		
15	QPSK	1	19	18.37	18.38	18.45	19.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	12	18.46	18.48	18.41	19.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334	633334			
Frequency (MHz)						3500.01		
100	PI/2 BPSK	1	1		18.15		19.0	0.0
100	PI/2 BPSK	1	137		18.21			
100	PI/2 BPSK	1	271		18.52		19.0	0.0
100	PI/2 BPSK	135	0		18.16			
100	PI/2 BPSK	135	69		18.35		19.0	0.0
100	PI/2 BPSK	135	138		18.14			
100	PI/2 BPSK	270	0		18.18		19.0	0.0
100	QPSK	1	1		18.23			
100	QPSK	1	137		18.57		19.0	0.0
100	QPSK	1	271		18.32			
100	QPSK	135	0		18.15		19.0	0.0
100	QPSK	135	69		18.27			
100	QPSK	135	138		18.16		19.0	0.0
100	QPSK	270	0		18.20			
100	16QAM	1	1		18.16		19.0	0.0
100	64QAM	1	1		18.22		19.0	0.0
100	256QAM	1	1		18.18		19.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	123	18.24	18.30	18.27	19.0	0.0
Channel				632968	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	109	18.24	18.32	18.29	19.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	18.16	18.24	18.11	19.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	18.18	18.11	18.21	19.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	18.09	18.20	18.07	19.0	0.0
Channel				630968	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26	18.05	18.13	18.24	19.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3450.15	3500.01	3542.52		
15	QPSK	1	19	18.15	18.20	18.26	19.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	18.20	18.16	18.26	19.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	Pi/2 BPSK	1	1		18.44		19.0	0.0	
100	Pi/2 BPSK	1	137		18.40				
100	Pi/2 BPSK	1	271		18.45				
100	Pi/2 BPSK	135	0		18.47		19.0	0.0	
100	Pi/2 BPSK	135	69		18.40		19.0	0.0	
100	Pi/2 BPSK	135	138		18.49		19.0	0.0	
100	Pi/2 BPSK	270	0		18.44				
100	QPSK	1	1		18.31		19.0	0.0	
100	QPSK	1	137		18.54				
100	QPSK	1	271		18.37				
100	QPSK	135	0		18.44		19.0	0.0	
100	QPSK	135	69		18.45		19.0	0.0	
100	QPSK	135	138		18.43		19.0	0.0	
100	QPSK	270	0		18.44		19.0	0.0	
100	16QAM	1	1		18.50				
100	64QAM	1	1		18.38		19.0	0.0	
100	256QAM	1	1		18.32		19.0	0.0	
Channel				649688	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	123		18.34	18.52	18.44	19.0	0.0
Channel				649334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3749.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	109		18.32	18.52	18.39	19.0	0.0
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	81		18.21	18.37	18.36	19.0	0.0
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	67		18.31	18.47	18.29	19.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3760	(dBm)	(dB)	
40	QPSK	1	53		18.15	18.35	18.42	19.0	0.0
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	26		18.12	18.44	18.30	19.0	0.0
Channel				647168	650000	652834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	19		18.24	18.32	18.25	19.0	0.0
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	12		18.17	18.46	18.29	19.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	Pi/2 BPSK	1	1		18.20		19.0	0.0	
100	Pi/2 BPSK	1	137		18.33				
100	Pi/2 BPSK	1	271		18.25				
100	Pi/2 BPSK	135	0		18.24		19.0	0.0	
100	Pi/2 BPSK	135	69		18.17		19.0	0.0	
100	Pi/2 BPSK	135	138		18.14		19.0	0.0	
100	Pi/2 BPSK	270	0		18.12				
100	QPSK	1	1		18.17		19.0	0.0	
100	QPSK	1	137		18.34				
100	QPSK	1	271		18.25				
100	QPSK	135	0		18.15		19.0	0.0	
100	QPSK	135	69		18.25		19.0	0.0	
100	QPSK	135	138		18.13		19.0	0.0	
100	QPSK	270	0		18.12		19.0	0.0	
100	16QAM	1	1		18.27				
100	64QAM	1	1		18.29		19.0	0.0	
100	256QAM	1	1		18.21		19.0	0.0	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	123		18.28	18.20	18.27	19.0	0.0
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	109		18.23	18.05	18.14	19.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	81		18.15	18.08	18.22	19.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	67		18.19	18.04	18.23	19.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	53		18.13	18.04	18.13	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		18.24	18.05	18.20	19.0	0.0
Channel				630500	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	19		18.23	18.16	18.20	19.0	0.0
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	12		18.12	18.13	18.22	19.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	24.5	0.0
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	23.07	23.23	23.16		
20	PI/2 BPSK	1	26	22.98	23.24	23.19	24.5	0.0
20	PI/2 BPSK	1	49	23.04	23.16	23.20		
20	PI/2 BPSK	25	0	23.03	23.19	23.15		
20	PI/2 BPSK	25	13	23.02	23.24	23.14	24.5	0.0
20	PI/2 BPSK	25	26	23.08	23.21	23.22	24.5	0.0
20	PI/2 BPSK	50	0	23.04	23.27	23.26		
20	QPSK	1	1	23.02	23.28	23.26		
20	QPSK	1	26	23.08	23.20	23.15	24.5	0.0
20	QPSK	1	49	23.06	23.17	23.19		
20	QPSK	25	0	23.04	23.18	23.15		
20	QPSK	25	13	23.03	23.25	23.15	24.5	0.0
20	QPSK	25	26	22.97	23.22	23.23	24.5	0.0
20	QPSK	50	0	23.00	23.20	23.14		
20	16QAM	1	1	22.99	23.24	23.26		
20	64QAM	1	1	22.99	22.67	22.65	23.0	1.5
20	256QAM	1	1	20.96	20.73	20.67	21.0	3.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.01	23.18	23.19	24.5	0.0
Channel				155600	157200	158800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826	836.5	844		
10	QPSK	1	1	23.04	23.28	23.14	24.5	0.0

n7 Ant4 DSI1								
BW [MHz]	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	19.5	0.0
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	18.80	18.96	18.84		
20	PI/2 BPSK	1	26	18.75	18.83	18.92	19.5	0.0
20	PI/2 BPSK	1	49	18.78	18.94	18.83		
20	PI/2 BPSK	25	0	18.82	18.95	18.91		
20	PI/2 BPSK	25	13	18.76	18.97	18.91	19.5	0.0
20	PI/2 BPSK	25	26	18.80	18.96	18.82	19.5	0.0
20	PI/2 BPSK	50	0	18.80	18.96	18.86		
20	QPSK	1	1	18.88	19.02	18.98		
20	QPSK	1	26	18.74	18.80	18.89	19.5	0.0
20	QPSK	1	49	18.94	18.97	18.95		
20	QPSK	25	0	18.71	18.94	18.85		
20	QPSK	25	13	18.75	18.99	18.86	19.5	0.0
20	QPSK	25	26	18.77	18.91	18.81	19.5	0.0
20	QPSK	50	0	18.83	18.95	18.83		
20	16QAM	1	1	18.75	18.86	18.92		
20	64QAM	1	1	18.75	18.89	18.91	19.5	0.0
20	256QAM	1	1	18.74	18.92	18.94	19.5	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	18.81	18.88	18.89	19.5	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	18.72	18.91	18.83	19.5	0.0

n38 Ant4 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				516000	518000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2590	2595	2610			
20	PI/2 BPSK	1	1	15.43	15.46	15.39	16.5	0.0	
20	PI/2 BPSK	1	26	15.47	15.42	15.41			
20	PI/2 BPSK	1	49	15.43	15.45	15.47			
20	PI/2 BPSK	25	0	15.39	15.45	15.40	16.5	0.0	
20	PI/2 BPSK	25	13	15.43	15.51	15.50	16.5	0.0	
20	PI/2 BPSK	25	26	15.38	15.52	15.40	16.5	0.0	
20	PI/2 BPSK	50	0	15.41	15.49	15.41			
20	QPSK	1	1	15.52	15.58	15.53			
20	QPSK	1	26	15.39	15.49	15.44	16.5	0.0	
20	QPSK	1	49	15.43	15.49	15.43			
20	QPSK	25	0	15.38	15.44	15.43			
20	QPSK	25	13	15.42	15.51	15.36	16.5	0.0	
20	QPSK	25	26	15.49	15.44	15.40	16.5	0.0	
20	QPSK	50	0	15.39	15.41	15.38	16.5	0.0	
20	16QAM	1	1	15.40	15.52	15.41			
20	64QAM	1	1	15.41	15.55	15.45			
20	256QAM	1	1	15.39	15.43	15.41	16.5	0.0	
Channel				515902	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	PI/2 BPSK	1	1	15.48	15.49	15.45	16.5	0.0	
Channel				515004	519000	522596	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	PI/2 BPSK	1	1	15.37	15.42	15.46	16.5	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				508202	518998	528000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	15.64	15.85	15.77	17.0	0.0	
100	PI/2 BPSK	1	137	15.53	15.84	15.76			
100	PI/2 BPSK	1	271	15.54	15.81	15.76			
100	PI/2 BPSK	135	0	15.62	15.80	15.77	17.0	0.0	
100	PI/2 BPSK	135	69	15.66	15.82	15.80	17.0	0.0	
100	PI/2 BPSK	135	138	15.58	15.83	15.79	17.0	0.0	
100	PI/2 BPSK	270	0	15.58	15.83	15.79			
100	QPSK	1	1	15.58	15.77	15.84			
100	QPSK	1	137	15.55	15.86	15.82	17.0	0.0	
100	QPSK	1	271	15.66	15.84	15.72			
100	QPSK	135	0	15.61	15.76	15.72			
100	QPSK	135	69	15.64	15.79	15.74	17.0	0.0	
100	QPSK	135	138	15.58	15.77	15.68	17.0	0.0	
100	QPSK	270	0	15.63	15.80	15.77			
100	16QAM	1	1	15.60	15.80	15.81			
100	64QAM	1	1	15.62	15.83	15.80	17.0	0.0	
100	256QAM	1	1	15.61	15.85	15.79	17.0	0.0	
Channel				508200	518998	528998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	123	15.67	15.80	15.74	17.0	0.0	
Channel				507204	518998	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2649.99			
80	QPSK	1	109	15.54	15.79	15.85	17.0	0.0	
Channel				506200	518998	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	15.66	15.66	15.75	17.0	0.0	
Channel				504204	518998	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2684.99			
50	QPSK	1	67	15.55	15.78	15.83	17.0	0.0	
Channel				503202	518998	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	15.61	15.77	15.82	17.0	0.0	
Channel				501204	518998	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	15.62	15.83	15.74	17.0	0.0	
Channel				500700	518998	536498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.02	2592.99	2682.02			
15	QPSK	1	19	15.59	15.79	15.82	17.0	0.0	
Channel				500202	518998	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	12	15.61	15.84	15.80	17.0	0.0	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				656000	666000	665000	17.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	15.50	15.52	15.39	17.0	0.0	
100	PI/2 BPSK	1	137	15.49	15.48	15.38			
100	PI/2 BPSK	1	271	15.40	15.55	15.30			
100	PI/2 BPSK	135	0	15.49	15.47	15.42			
100	PI/2 BPSK	135	69	15.41	15.45	15.31	17.0	0.0	
100	PI/2 BPSK	135	138	15.39	15.43	15.36			
100	PI/2 BPSK	270	0	15.38	15.54	15.40			
100	QPSK	1	1	15.45	15.49	15.33			
100	QPSK	1	137	15.55	15.59	15.45	17.0	0.0	
100	QPSK	1	271	15.46	15.44	15.40			
100	QPSK	135	0	15.42	15.45	15.36			
100	QPSK	135	69	15.41	15.53	15.39			
100	QPSK	135	138	15.51	15.47	15.35	17.0	0.0	
100	QPSK	270	0	15.49	15.53	15.30			
100	16QAM	1	1	15.39	15.48	15.42		17.0	
100	64QAM	1	1	15.44	15.49	15.31			
100	256QAM	1	1	15.46	15.42	15.35	17.0	0.0	
Channel				649668	656000	662334			
Frequency (MHz)				3745.02	3840	3935.01	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	123	15.49	15.53	15.29	17.0	0.0	
Channel				649334	656000	662668			
Frequency (MHz)				3740.01	3840	3940.02	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	109	15.48	15.50	15.36	17.0	0.0	
Channel				648668	656000	663334			
Frequency (MHz)				3730.02	3840	3950.01	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	81	15.43	15.49	15.35	17.0	0.0	
Channel				648334	656000	663668			
Frequency (MHz)				3725.01	3840	3955.02	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	67	15.50	15.54	15.31	17.0	0.0	
Channel				648000	656000	664000			
Frequency (MHz)				3720	3840	3960	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	53	15.52	15.51	15.34	17.0	0.0	
Channel				647334	656000	664668			
Frequency (MHz)				3710.01	3840	3970.02	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	26	15.41	15.44	15.29	17.0	0.0	
Channel				647168	656000	664834			
Frequency (MHz)				3707.52	3840	3972.51	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	19	15.52	15.44	15.31	17.0	0.0	
Channel				647000	656000	665000			
Frequency (MHz)				3705	3840	3975	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	12	15.41	15.48	15.29	17.0	0.0	
Channel									

Part27Q n77 PC3 Ant5 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		15.46		17.0		0.0
100	PI/2 BPSK	1	137		15.37				
100	PI/2 BPSK	1	271		15.38				
100	PI/2 BPSK	135	0		15.44				
100	PI/2 BPSK	135	69		15.39		17.0		0.0
100	PI/2 BPSK	135	138		15.44				
100	PI/2 BPSK	270	0		15.39				
100	QPSK	1	1		15.32				
100	QPSK	1	137		15.48		17.0		0.0
100	QPSK	1	271		15.43				
100	QPSK	135	0		15.36				
100	QPSK	135	69		15.40				
100	QPSK	135	138		15.37		17.0		0.0
100	QPSK	270	0		15.36				
100	16QAM	1	1		15.45				
100	64QAM	1	1		15.45				
100	256QAM	1	1		15.44		17.0		0.0
Channel				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dbm)	MPR (db)	
90	QPSK	1	123	15.39	15.26	15.34	17.0		0.0
Channel				632668	633334	634000			
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dbm)	MPR (db)	
80	QPSK	1	109	15.35	15.29	15.40	17.0		0.0
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dbm)	MPR (db)	
60	QPSK	1	81	15.27	15.24	15.44	17.0		0.0
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dbm)	MPR (db)	
50	QPSK	1	67	15.39	15.29	15.44	17.0		0.0
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dbm)	MPR (db)	
40	QPSK	1	53	15.28	15.29	15.34	17.0		0.0
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dbm)	MPR (db)	
20	QPSK	1	26	15.37	15.24	15.43	17.0		0.0
Channel				630500	633334	636168			
Frequency (MHz)				3457.5	3500.01	3542.52	Tune-up limit (dbm)	MPR (db)	
15	QPSK	1	19	15.32	15.37	15.41	17.0		0.0
Channel				630334	633334	636334			
Frequency (MHz)				3455.01	3500.01	3545.01	Tune-up limit (dbm)	MPR (db)	
10	QPSK	1	12	15.32	15.37	15.34	17.0		0.0
Channel									

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000			17.0	0.0
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1		15.44		17.0	0.0
100	PI/2 BPSK	1	137		15.46			
100	PI/2 BPSK	1	271		15.44		17.0	0.0
100	PI/2 BPSK	135	0		15.42			
100	PI/2 BPSK	135	69		15.44		17.0	0.0
100	PI/2 BPSK	135	138		15.44			
100	PI/2 BPSK	270	0		15.43		17.0	0.0
100	QPSK	1	1		15.40			
100	QPSK	1	137		15.53		17.0	0.0
100	QPSK	1	271		15.50			
100	QPSK	135	0		15.42		17.0	0.0
100	QPSK	135	69		15.45			
100	QPSK	135	138		15.38		17.0	0.0
100	QPSK	270	0		15.40			
100	16QAM	0	1		15.49		17.0	0.0
100	64QAM	1	1		15.39			
100	256QAM	1	1		15.42		17.0	0.0
Channel				649668	650000	650334		
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	123	15.52	15.49	15.47	17.0	0.0
Channel				649334	650000	650668		
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	109	15.39	15.49	15.48	17.0	0.0
Channel				648668	650000	651334		
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	81	15.41	15.48	15.41	17.0	0.0
Channel				641334	650000	651668		
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	67	15.48	15.50	15.47	17.0	0.0
Channel				648000	650000	652000		
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	53	15.48	15.43	15.49	17.0	0.0
Channel				647334	650000	652668		
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	26	15.50	15.49	15.47	17.0	0.0
Channel				647168	650000	652834		
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	19	15.43	15.45	15.42	17.0	0.0
Channel				647000	650000	653000		
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	12	15.48	15.44	15.41	17.0	0.0
Channel								

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit	MPR (dB)
Channel				633334			17.0	0.0
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1		15.35		17.0	0.0
100	PI/2 BPSK	1	137		15.30			
100	PI/2 BPSK	1	271		15.30		17.0	0.0
100	PI/2 BPSK	135	0		15.29			
100	PI/2 BPSK	135	69		15.32		17.0	0.0
100	PI/2 BPSK	135	138		15.29			
100	PI/2 BPSK	270	0		15.29		17.0	0.0
100	QPSK	1	1		15.33			
100	QPSK	1	137		15.38		17.0	0.0
100	QPSK	1	271		15.32			
100	QPSK	135	0		15.36		17.0	0.0
100	QPSK	135	69		15.35			
100	QPSK	135	138		15.29		17.0	0.0
100	QPSK	270	0		15.30			
100	16QAM	1	1		15.36		17.0	0.0
100	64QAM	1	1		15.31			
100	256QAM	1	1		15.28		17.0	0.0
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	123	15.09	15.16	15.24	17.0	0.0
Channel				632568	633334	634000		
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	109	15.22	15.22	15.31	17.0	0.0
Channel				632000	633334	634668		
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	81	15.15	15.19	15.19	17.0	0.0
Channel				631668	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	67	15.12	15.27	15.28	17.0	0.0
Channel				631334	633334	635334		
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	53	15.19	15.27	15.21	17.0	0.0
Channel				630968	633334	636000		
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	26	15.19	15.23	15.20	17.0	0.0
Channel				630500	633334	636168		
Frequency (MHz)				3457.52	3500.01	3542.52	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	19	15.12	15.24	15.31	17.0	0.0
Channel				630334	633334	636334		
Frequency (MHz)				3455.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	12	15.21	15.23	15.29	17.0	0.0

Par270 n77 PC3 Ant6 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				650000	650000	662000	23.0	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	22.34	22.33	22.34		
100	PI/2 BPSK	1	137	22.32	22.34	22.31	23.0	0.0
100	PI/2 BPSK	1	271	22.30	22.29	22.31		
100	PI/2 BPSK	135	0	22.45	22.41	22.43		
100	PI/2 BPSK	135	69	22.44	22.52	22.49	23.0	0.0
100	PI/2 BPSK	135	138	22.41	22.42	22.40	23.0	0.0
100	PI/2 BPSK	270	0	22.53	22.50	22.52		
100	QPSK	1	1	22.43	22.51	22.53		
100	QPSK	1	137	22.48	22.54	22.50	23.0	0.0
100	QPSK	1	271	22.30	22.30	22.28		
100	QPSK	135	0	22.51	22.51	22.50		
100	QPSK	135	69	22.44	22.53	22.49	23.0	0.0
100	QPSK	135	138	22.40	22.41	22.39	23.0	0.0
100	QPSK	270	0	22.37	22.44	22.42	23.0	0.0
100	16QAM	1	1	22.22	22.21	22.19		
100	64QAM	1	1	22.30	22.29	22.28		
100	256QAM	1	1	21.35	21.26	21.32	21.5	1.5
Channel				649668	656000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	123	22.26	22.39	22.35	23.0	0.0
Channel				649334	652000	662066	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	109	22.28	22.38	22.37	23.0	0.0
Channel				648668	656000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	81	22.27	22.36	22.36	23.0	0.0
Channel				643334	650000	663066	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	67	22.25	22.35	22.36	23.0	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	53	22.26	22.38	22.35	23.0	0.0
Channel				647334	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	26	22.26	22.38	22.33	23.0	0.0
Channel				647168	656000	664834	Tune-up limit	MPR
Frequency (MHz)				3707.52	3840	3972.51	(dBm)	(dB)
15	QPSK	1	19	22.24	22.35	22.35	23.0	0.0
Channel				647000	656000	665000	Tune-up limit	MPR
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	QPSK	1	12	22.27	22.37	22.35	23.0	0.0

Part27Q n77 PC3 Ant6 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				633334	633334	635001	23.0	0.0
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1		21.19			
100	PI/2 BPSK	1	137		21.36		23.0	0.0
100	PI/2 BPSK	1	271		21.20			
100	PI/2 BPSK	135	0		21.39			
100	PI/2 BPSK	135	69		21.41		23.0	0.0
100	PI/2 BPSK	135	138		21.35			
100	PI/2 BPSK	270	0		21.42			
100	QPSK	1	1		21.24		23.0	0.0
100	QPSK	1	137		21.43			
100	QPSK	1	271		21.23			
100	QPSK	135	0		21.34		23.0	0.0
100	QPSK	135	69		21.40			
100	QPSK	135	138		21.19			
100	QPSK	270	0		21.39		23.0	0.0
100	16QAM	1	1		21.24		23.0	0.0
100	64QAM	1	1		21.24		23.0	0.0
100	256QAM	1	1		20.23		21.5	1.5
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	123	21.40	21.38	21.38	23.0	0.0
Channel				632968	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	109	21.37	21.39	21.36	23.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	81	21.35	21.37	21.36	23.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	67	21.39	21.36	21.37	23.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	53	21.36	21.36	21.39	23.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	26	21.40	21.35	21.37	23.0	0.0
Channel				630500	633334	636168	Tune-up limit	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)
15	QPSK	1	19	21.41	21.37	21.37	23.0	0.0
Channel				630334	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	12	21.39	21.39	21.36	23.0	0.0

Part270 n78 PC3 Ant6 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				65000				
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1		22.32		23.0	0.0
100	PI/2 BPSK	1	137		22.37			
100	PI/2 BPSK	1	271		22.35			
100	PI/2 BPSK	135	0		22.34			
100	PI/2 BPSK	135	69		22.34		23.0	0.0
100	PI/2 BPSK	135	138		22.29		23.0	0.0
100	PI/2 BPSK	270	0		22.33			
100	QPSK	1	1		22.23		23.0	0.0
100	QPSK	1	137		22.48			
100	QPSK	1	271		22.34			
100	QPSK	135	0		22.15			
100	QPSK	135	69		22.33		23.0	0.0
100	QPSK	135	138		22.19		23.0	0.0
100	QPSK	270	0		22.33			
100	16QAM	0	1		22.30		23.0	0.0
100	64QAM	1	1		22.24		23.0	0.0
100	256QAM	1	1		21.25		21.5	1.5
Channel				649688	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	123	22.07	22.34	22.20	23.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3749.01	3750	3760.02		
80	QPSK	1	109	22.08	22.36	22.23	23.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	81	22.06	22.34	22.22	23.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	67	22.08	22.34	22.22	23.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	53	22.06	22.34	22.22	23.0	0.0
Channel				647334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	26	22.07	22.35	22.22	23.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	19	22.06	22.34	22.20	23.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	12	22.09	22.35	22.21	23.0	0.0

Part27Q 78 PC3 Ant6 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				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		21.17		23.0	0.0	
100	PI/2 BPSK	1	137		21.26				
100	PI/2 BPSK	1	271		21.30				
100	PI/2 BPSK	135	0		21.24				
100	PI/2 BPSK	135	69		21.22		23.0	0.0	
100	PI/2 BPSK	135	138		21.25		23.0	0.0	
100	PI/2 BPSK	270	0		21.24				
100	QPSK	1	1		21.03		23.0	0.0	
100	QPSK	1	137		21.35				
100	QPSK	1	271		21.30				
100	QPSK	135	0		21.25				
100	QPSK	135	69		21.32		23.0	0.0	
100	QPSK	135	138		21.14		23.0	0.0	
100	QPSK	270	0		21.25				
100	16QAM	1	1		21.08		23.0	0.0	
100	64QAM	1	1		21.08		23.0	0.0	
100	256QAM	1	1		20.11		21.5	1.5	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	123		21.17	21.16	21.19	23.0	0.0
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	109		21.13	21.18	21.19	23.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	81		21.14	21.18	21.19	23.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	67		21.13	21.19	21.18	23.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	53		21.15	21.16	21.19	23.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	26		21.14	21.17	21.18	23.0	0.0
Channel				630500	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	19		21.16	21.16	21.19	23.0	0.0
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	12		21.13	21.17	21.18	23.0	0.0

Reduced power level for 5G NR DSI1 ENDC

Par270 n77 PC2&3 Ant3 DSI1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	MPR (dB)
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	15.38	15.59	15.53	
100	PI/2 BPSK	1	137	15.49	15.60	15.42	16.0
100	PI/2 BPSK	1	271	15.55	15.53	15.55	
100	PI/2 BPSK	135	0	15.44	15.45	15.36	16.0
100	PI/2 BPSK	135	69	15.43	15.50	15.41	16.0
100	PI/2 BPSK	135	138	15.43	15.46	15.49	16.0
100	PI/2 BPSK	270	0	15.47	15.56	15.51	16.0
100	QPSK	1	1	15.60	15.68	15.59	
100	QPSK	1	137	15.42	15.57	15.49	16.0
100	QPSK	1	271	15.51	15.49	15.52	
100	QPSK	135	0	15.01	15.59	15.41	16.0
100	QPSK	135	69	15.47	15.63	15.41	16.0
100	QPSK	135	138	15.45	15.43	15.50	16.0
100	QPSK	270	0	15.38	15.48	15.42	16.0
100	16QAM	1	1	15.45	15.50	15.48	16.0
100	64QAM	1	1	15.45	15.57	15.55	16.0
100	256QAM	1	1	15.58	15.63	15.55	16.0
Channel				649668	656000	662334	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3935.01	MPR (dB)
90	QPSK	1	123	15.55	15.52	15.62	16.0
Channel				649334	656000	662668	Tune-up limit (dB)
Frequency (MHz)				3740.01	3840	3940.02	MPR (dB)
80	QPSK	1	109	15.54	15.53	15.49	16.0
Channel				648668	656000	663334	Tune-up limit (dB)
Frequency (MHz)				3730.02	3840	3950.01	MPR (dB)
60	QPSK	1	81	15.56	15.60	15.56	16.0
Channel				648334	656000	663668	Tune-up limit (dB)
Frequency (MHz)				3725.01	3840	3955.02	MPR (dB)
50	QPSK	1	67	15.53	15.55	15.48	16.0
Channel				648000	656000	664000	Tune-up limit (dB)
Frequency (MHz)				3720	3840	3960	MPR (dB)
40	QPSK	1	53	15.49	15.57	15.52	16.0
Channel				647334	656000	664668	Tune-up limit (dB)
Frequency (MHz)				3710.01	3840	3970.02	MPR (dB)
20	QPSK	1	26	15.55	15.56	15.51	16.0
Channel				647168	656000	664834	Tune-up limit (dB)
Frequency (MHz)				3707.52	3840	3972.51	MPR (dB)
15	QPSK	1	19	15.57	15.59	15.49	16.0
Channel				647000	656000	665000	Tune-up limit (dB)
Frequency (MHz)				3705	3840	3975	MPR (dB)
10	QPSK	1	12	15.55	15.46	15.57	16.0

Part27Q n77 PC2&3 Ant3 DSI1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633334		MPR (dB)
Frequency (MHz)					3500.01		
100	PI/2 BPSK	1	1		15.14		
100	PI/2 BPSK	1	137		15.29		16.0
100	PI/2 BPSK	1	271		15.21		
100	PI/2 BPSK	135	0		15.18		16.0
100	PI/2 BPSK	135	69		15.30		16.0
100	PI/2 BPSK	135	138		15.10		16.0
100	PI/2 BPSK	270	0		15.26		16.0
100	QPSK	1	1		15.35		
100	QPSK	1	137		15.25		16.0
100	QPSK	1	271		15.30		
100	QPSK	135	0		15.07		16.0
100	QPSK	135	69		15.27		16.0
100	QPSK	135	138		15.10		16.0
100	QPSK	270	0		15.06		16.0
100	16QAM	1	1		15.25		16.0
100	64QAM	1	1		15.31		16.0
100	256QAM	1	1		15.15		16.0
Channel				633000	633334	633668	Tune-up limit (dBm)
Frequency (MHz)				3495	3500.01	3505.02	MPR (dB)
90	QPSK	1	123	15.26	15.04	15.11	16.0
Channel				632668	633334	634000	Tune-up limit (dB)
Frequency (MHz)				3490.02	3500.01	3510	MPR (dB)
80	QPSK	1	109	15.19	15.09	15.14	16.0
Channel				632000	633334	634668	Tune-up limit (dB)
Frequency (MHz)				3480	3500.01	3520.02	MPR (dB)
60	QPSK	1	81	15.26	15.08	15.22	16.0
Channel				631668	633334	635000	Tune-up limit (dB)
Frequency (MHz)				3475.02	3500.01	3505	MPR (dB)
50	QPSK	1	67	15.04	15.22	15.01	16.0
Channel				631334	633334	635334	Tune-up limit (dB)
Frequency (MHz)				3470.01	3500.01	3530.01	MPR (dB)
40	QPSK	1	53	14.95	15.26	15.24	16.0
Channel				630998	633334	635600	Tune-up limit (dB)
Frequency (MHz)				3460.02	3500.01	3540	MPR (dB)
20	QPSK	1	26	15.15	15.26	15.12	16.0
Channel				630500	633334	636168	Tune-up limit (dB)
Frequency (MHz)				3457.5	3500.01	3542.52	MPR (dB)
15	QPSK	1	19	15.15	15.25	15.03	16.0
Channel				630334	633334	636334	Tune-up limit (dB)
Frequency (MHz)				3455.01	3500.01	3545.01	MPR (dB)
10	QPSK	1	12	15.04	15.26	15.14	16.0



Reduced power level for 5G NR DSI2

n5 Ant1 Default power								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 166800	Power Middle Ch. / Freq. 167300	Power High Ch. / Freq. 167800	Tune-up limit (dBm)	MPR (dB)
Channel				831	836.5	839	25.5	0.0
Frequency (MHz)				23.57	24.07	23.93		
20	PI/2 BPSK	1	1	23.87	24.07	23.93	25.5	0.0
20	PI/2 BPSK	1	26	23.82	24.01	23.85		
20	PI/2 BPSK	1	49	23.80	23.92	23.82		
20	PI/2 BPSK	25	0	23.70	23.78	23.59	25.0	0.5
20	PI/2 BPSK	25	13	23.81	24.03	23.81		
20	PI/2 BPSK	25	26	23.55	23.69	23.61		
20	PI/2 BPSK	50	0	23.55	23.74	23.69	25.0	0.5
20	QPSK	1	1	23.90	24.11	24.07		
20	QPSK	1	26	23.83	24.04	23.98		
20	QPSK	1	49	23.79	23.92	23.87	25.5	1.0
20	QPSK	25	0	23.07	23.24	23.19		
20	QPSK	25	13	23.87	24.06	23.89		
20	QPSK	25	26	23.05	23.14	22.98	24.5	1.0
20	QPSK	50	0	23.12	23.26	23.09		
20	16QAM	1	1	22.81	22.91	22.76		
20	64QAM	1	1	21.22	21.27	21.09	23.0	2.5
20	256QAM	1	1	19.55	19.69	19.61		
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.87	23.94	23.80	25.5	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.86	23.98	23.86	25.5	0.0

n7 Ant1 DS12								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 502000	Power Middle Ch. / Freq. 507000	Power High Ch. / Freq. 512000	Tune-up limit (dBm)	MPR (dB)
Channel				2510	2535	2560	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
20	PI/2 BPSK	1	1	22.70	22.96	22.85	24.0	0.0
20	PI/2 BPSK	1	26	22.78	22.90	22.77		
20	PI/2 BPSK	1	49	22.72	22.89	22.84		
20	PI/2 BPSK	25	0	22.75	22.87	22.77	24.0	0.0
20	PI/2 BPSK	25	13	22.75	22.89	22.79	24.0	0.0
20	PI/2 BPSK	25	26	22.80	22.83	22.79	24.0	0.0
20	PI/2 BPSK	50	0	22.71	22.89	22.83	24.0	0.0
20	QPSK	1	1	22.80	22.97	22.81		
20	QPSK	1	26	22.83	22.82	22.80		
20	QPSK	1	49	22.76	22.90	22.80	24.0	0.0
20	QPSK	25	0	22.74	22.88	22.86		
20	QPSK	25	13	22.76	22.92	22.78		
20	QPSK	25	26	22.74	22.93	22.87	24.0	0.0
20	QPSK	50	0	22.84	22.90	22.87	24.0	0.0
20	16QAM	1	1	22.76	22.96	22.79	23.0	1.0
20	64QAM	1	1	21.81	21.82	21.85		
20	256QAM	1	1	19.82	19.91	19.86		
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	24.0	0.0
15	QPSK	1	1	22.74	22.94	22.69	24.0	0.0
Channel				501000	507000	513000		
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	22.69	22.87	22.74	24.0	0.0



n38 Ant1 DS12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				516000	516000	522000			
Frequency (MHz)				2580	2595	2610			
20	PI/2 BPSK	1	1	21.90	21.91	21.98			
20	PI/2 BPSK	1	26	21.89	21.91	22.05	23.5	0.0	
20	PI/2 BPSK	1	49	21.92	21.90	22.02			
20	PI/2 BPSK	25	0	21.93	21.85	22.01	23.5	0.0	
20	PI/2 BPSK	25	13	21.91	21.91	21.95	23.5	0.0	
20	PI/2 BPSK	25	26	21.90	21.84	21.98	23.5	0.0	
20	PI/2 BPSK	50	0	21.91	21.81	21.95			
20	QPSK	1	1	22.05	22.08	21.99			
20	QPSK	1	26	21.99	21.80	21.96	23.5	0.0	
20	QPSK	1	49	21.92	21.86	22.01			
20	QPSK	25	0	21.90	21.81	21.98	23.5	0.0	
20	QPSK	25	13	21.90	22.00	21.87	23.5	0.0	
20	QPSK	25	26	21.99	21.92	22.01	23.5	0.0	
20	QPSK	50	0	22.01	21.89	21.95			
20	16QAM	1	1	21.96	21.90	22.05	23.5	0.0	
20	64QAM	1	1	21.49	21.51	21.57	23.0	0.5	
20	256QAM	1	1	19.52	19.45	19.60	21.0	2.5	
Channel				515902	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	PI/2 BPSK	1	1	22.01	21.80	21.99	23.5	0.0	
Channel				515104	516000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	PI/2 BPSK	1	1	21.96	21.80	21.96	23.5	0.0	

n41 PC3 Ant1 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				509202	518598	526000			
Frequency (MHz)				2548.01	2592.99	2640			
100	PI/2 BPSK	1	1	23.05	23.09	22.93			
100	PI/2 BPSK	1	137	23.74	23.91	23.81	24.5	0.0	
100	PI/2 BPSK	1	271	22.87	23.01	22.99			
100	PI/2 BPSK	135	0	23.78	23.83	23.68	24.5	0.0	
100	PI/2 BPSK	135	69	23.88	23.91	23.79	24.5	0.0	
100	PI/2 BPSK	135	138	23.81	23.82	23.59	24.5	0.0	
100	PI/2 BPSK	270	0	23.59	23.78	23.58			
100	QPSK	1	1	22.81	23.02	22.98			
100	QPSK	1	137	23.83	23.94	23.79	24.5	0.0	
100	QPSK	1	271	22.76	22.89	22.81			
100	QPSK	135	0	23.57	23.57	23.58	24.5	0.0	
100	QPSK	135	69	23.90	23.92	23.88	24.5	0.0	
100	QPSK	135	138	23.56	23.49	23.61	24.5	0.0	
100	QPSK	270	0	23.59	23.72	23.56			
100	16QAM	1	1	23.79	23.79	23.75	24.5	0.0	
100	64QAM	1	1	22.42	22.46	22.47	23.0	1.5	
100	256QAM	1	1	20.34	20.33	20.36	21.0	3.5	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	123	23.85	23.82	23.43	24.5	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2648.99			
80	QPSK	1	109	23.82	23.80	23.62	24.5	0.0	
Channel				506200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	23.82	23.68	23.57	24.5	0.0	
Channel				505204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	23.84	23.80	23.49	24.5	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	23.81	23.86	23.58	24.5	0.0	
Channel				501204	518598	535098	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	23.73	23.72	23.63	24.5	0.0	
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.43			
15	QPSK	1	19	23.75	23.74	23.61	24.5	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	12	23.73	23.86	23.51	24.5	0.0	

n41 PC2 Ant1 DS12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	526000			
Frequency (MHz)				2548.01	2592.99	2640			
100	PI/2 BPSK	1	1	24.55	24.71	24.47			
100	PI/2 BPSK	1	137	24.57	24.79	24.55	25.5	0.0	
100	PI/2 BPSK	1	271	24.61	24.78	24.49			
100	PI/2 BPSK	135	0	24.62	24.71	24.53	25.5	0.0	
100	PI/2 BPSK	135	69	24.63	24.75	24.58	25.5	0.0	
100	PI/2 BPSK	135	138	24.63	24.75	24.48	25.5	0.0	
100	PI/2 BPSK	270	0	24.53	24.77	24.55			
100	QPSK	1	1	24.51	24.79	24.45			
100	QPSK	1	137	24.59	24.81	24.53	25.5	0.0	
100	QPSK	1	271	24.52	24.79	24.52			
100	QPSK	135	0	24.02	24.28	23.93	25.0	0.5	
100	QPSK	135	69	24.35	24.72	24.34	25.5	0.0	
100	QPSK	135	138	23.99	24.26	23.91	25.0	0.5	
100	QPSK	270	0	24.07	24.29	23.98			
100	16QAM	1	1	23.99	24.35	23.89	25.0	0.5	
100	64QAM	1	1	22.57	22.75	22.69	23.5	2.0	
100	256QAM	1	1	21.24	21.30	21.19	21.5	4.0	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	123	24.39	24.63	24.31	25.5	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	109	24.44	24.23	23.91	25.5	0.0	
Channel				506200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	24.41	24.72	24.40	25.5	0.0	
Channel				505204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	24.46	24.72	24.29	25.5	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	24.47	24.67	24.38	25.5	0.0	
Channel				501204	518598	535098	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	24.43	24.65	24.42	25.5	0.0	
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.43			
15	QPSK	1	19	24.39	24.64	24.32	25.5	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	12	24.42	24.62	24.39	25.5	0.0	

n7 Ant2 DSI2								
BW [MHz]	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	PI/2 BPSK	1	1	21.32	21.45	21.31		
20	PI/2 BPSK	1	26	21.44	21.51	21.41	23.0	0.0
20	PI/2 BPSK	1	49	21.32	21.44	21.38		
20	PI/2 BPSK	25	0	21.28	21.53	21.30	23.0	0.0
20	PI/2 BPSK	25	13	21.28	21.52	21.37	23.0	0.0
20	PI/2 BPSK	25	26	21.33	21.45	21.39		
20	PI/2 BPSK	50	0	21.27	21.51	21.43	23.0	0.0
20	QPSK	1	1	21.34	21.57	21.37		
20	QPSK	1	26	21.36	21.54	21.38	23.0	0.0
20	QPSK	1	49	21.35	21.47	21.41		
20	QPSK	25	0	21.40	21.43	21.30	23.0	0.0
20	QPSK	25	13	21.28	21.46	21.44	23.0	0.0
20	QPSK	25	26	21.25	21.31	21.27		
20	QPSK	50	0	21.29	21.34	21.32	23.0	0.0
20	16QAM	1	1	21.35	21.40	21.37	23.0	0.0
20	64QAM	1	1	20.78	20.97	20.92	22.5	0.5
20	256QAM	1	1	18.84	19.01	18.87	20.5	2.5
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	21.29	21.42	21.33	23.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	21.30	21.35	21.32	23.0	0.0

n38 Ant2 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				516600	518000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2590	2595	2610			
20	PI/2 BPSK	1	1	19.68	19.69	19.65	21.5	0.0	
20	PI/2 BPSK	1	26	19.67	19.62	19.79			
20	PI/2 BPSK	1	49	19.72	19.67	19.72			
20	PI/2 BPSK	25	0	19.69	19.69	19.76	21.5	0.0	
20	PI/2 BPSK	25	13	19.71	19.64	19.79	21.5	0.0	
20	PI/2 BPSK	25	26	19.74	19.72	19.69	21.5	0.0	
20	PI/2 BPSK	50	0	19.72	19.65	19.68			
20	QPSK	1	1	19.78	19.82	19.72			
20	QPSK	1	26	19.70	19.65	19.73	21.5	0.0	
20	QPSK	1	49	19.66	19.73	19.67			
20	QPSK	25	0	19.69	19.73	19.65			
20	QPSK	25	13	19.63	19.59	19.69	21.5	0.0	
20	QPSK	25	26	19.76	19.65	19.77	21.5	0.0	
20	QPSK	50	0	19.74	19.73	19.69	21.5	0.0	
20	16QAM	1	1	19.68	19.63	19.79			
20	64QAM	1	1	19.66	19.67	19.71			
20	256QAM	1	1	18.85	18.74	18.87	20.5	1.0	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	PI/2 BPSK	1	1	19.68	19.69	19.74	21.5	0.0	
Channel				515504	519000	522596	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	PI/2 BPSK	1	1	19.75	19.65	19.78	21.5	0.0	

n41 PC3 Ant2 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				506202	518998	530000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	20.18	20.34	20.18	21.5	0.0	
100	PI/2 BPSK	1	137	20.22	20.33	20.20			
100	PI/2 BPSK	1	271	20.26	20.30	20.26			
100	PI/2 BPSK	135	0	20.26	20.41	20.27	21.5	0.0	
100	PI/2 BPSK	135	69	20.21	20.38	20.26	21.5	0.0	
100	PI/2 BPSK	135	138	20.19	20.33	20.21	21.5	0.0	
100	PI/2 BPSK	270	0	20.23	20.38	20.25			
100	QPSK	1	1	20.21	20.33	20.21			
100	QPSK	1	137	20.19	20.44	20.26	21.5	0.0	
100	QPSK	1	271	20.17	20.32	20.15	21.5	0.0	
100	QPSK	135	0	20.13	20.31	20.22			
100	QPSK	135	69	20.17	20.44	20.14			
100	QPSK	135	138	20.19	20.33	20.17	21.5	0.0	
100	QPSK	270	0	20.24	20.40	20.20	21.5	0.0	
100	16QAM	1	1	20.18	20.34	20.22			
100	64QAM	1	1	20.18	20.38	20.20			
100	256QAM	1	1	19.61	19.56	19.62	21.5	0.0	
Channel				508200	518998	528998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	123	20.15	20.38	20.32	21.5	0.0	
Channel				507204	518998	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2649.99			
80	QPSK	1	109	20.19	20.29	20.24	21.5	0.0	
Channel				506200	518998	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	20.13	20.38	20.29	21.5	0.0	
Channel				504204	518998	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	20.17	20.36	20.28	21.5	0.0	
Channel				503202	518998	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	20.12	20.23	20.19	21.5	0.0	
Channel				501204	518998	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	20.13	20.17	20.22	21.5	0.0	
Channel				500700	518998	536498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.15	2592.99	2682.15			
15	QPSK	1	19	20.18	20.31	20.22	21.5	0.0	
Channel				500202	518998	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	12	20.07	20.19	20.12	21.5	0.0	

Par270 n77 PC2&3 Ant2 DSI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				656000	666000	666000	22.0	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	20.63	20.74	20.72	22.0	0.0
100	PI/2 BPSK	1	137	20.56	20.66	20.62		
100	PI/2 BPSK	1	271	20.56	20.72	20.72		
100	PI/2 BPSK	135	0	20.64	20.66	20.65		
100	PI/2 BPSK	135	69	20.57	20.75	20.65	22.0	0.0
100	PI/2 BPSK	135	138	20.67	20.74	20.63	22.0	0.0
100	PI/2 BPSK	270	0	20.59	20.75	20.61		
100	QPSK	1	1	20.57	20.70	20.63	22.0	0.0
100	QPSK	1	137	20.55	20.78	20.73		
100	QPSK	1	271	20.66	20.74	20.74		
100	QPSK	135	0	20.66	20.67	20.64		
100	QPSK	135	69	20.55	20.72	20.62	22.0	0.0
100	QPSK	135	138	20.63	20.65	20.61	22.0	0.0
100	QPSK	270	0	20.60	20.69	20.63	22.0	0.0
100	16QAM	1	1	20.55	20.75	20.67		
100	64QAM	1	1	20.50	20.76	20.62		
100	256QAM	1	1	20.58	20.68	20.71		
Channel				648668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	123	20.56	20.76	20.71	22.0	0.0
Channel				648334	656000	662368	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	109	20.54	20.71	20.64	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	20.62	20.74	20.73	22.0	0.0
Channel				648334	656000	663368	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	67	20.57	20.74	20.66	22.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	53	20.54	20.67	20.70	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	20.66	20.75	20.74	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	20.58	20.75	20.62	22.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	12	20.67	20.74	20.64	22.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPRR (dB)
Channel				633334			22.0	0.0
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1		20.55		22.0	0.0
100	PI/2 BPSK	1	137		20.50			
100	PI/2 BPSK	1	271		20.61			
100	PI/2 BPSK	135	0		20.53			
100	PI/2 BPSK	135	69		20.55		22.0	0.0
100	PI/2 BPSK	135	138		20.55		22.0	0.0
100	PI/2 BPSK	270	0		20.57			
100	QPSK	1	1		20.56		22.0	0.0
100	QPSK	1	137		20.65			
100	QPSK	1	271		20.54			
100	QPSK	135	0		20.46			
100	QPSK	135	69		20.57		22.0	0.0
100	QPSK	135	138		20.54		22.0	0.0
100	QPSK	270	0		20.62		22.0	0.0
100	16QAM	1	1		20.49			
100	64QAM	1	1		20.54			
100	256QAM	1	1		20.49			
Channel				633000	633334	633668	Tune-up limit (dBm)	MPRR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	123	20.36	20.41	20.42	22.0	0.0
Channel				632968	633334	634000	Tune-up limit (dBm)	MPRR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	109	20.38	20.32	20.44	22.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPRR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	20.31	20.34	20.42	22.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPRR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	20.39	20.40	20.43	22.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPRR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	20.30	20.41	20.46	22.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPRR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26	20.30	20.42	20.47	22.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPRR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	20.28	20.43	20.38	22.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPRR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	20.37	20.43	20.40	22.0	0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	PI/2 BPSK	1	1		20.58		22.0	0.0	
100	PI/2 BPSK	1	137		20.64				
100	PI/2 BPSK	1	271		20.60				
100	PI/2 BPSK	135	0		20.64				
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		20.51				
100	QPSK	1	1		20.68				
100	QPSK	1	137		20.70				
100	QPSK	1	271		20.66		22.0	0.0	
100	QPSK	135	0		20.62		22.0	0.0	
100	QPSK	135	69		20.64				
100	QPSK	135	138		20.63				
100	QPSK	270	0		20.67				
100	16QAM	1	1		20.48		22.0	0.0	
100	64QAM	1	1		20.51		22.0	0.0	
100	256QAM	1	1		20.61		22.0	0.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	123		20.62	20.63	20.69	22.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	109		20.55	20.59	20.64	22.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	81		20.51	20.57	20.55	22.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	67		20.52	20.57	20.64	22.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3760			
40	QPSK	1	53		20.47	20.56	20.57	22.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	26		20.47	20.47	20.63	22.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	19		20.54	20.53	20.65	22.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	12		20.54	20.47	20.57	22.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		20.53		22.0	0.0	
100	PI/2 BPSK	1	137		20.53				
100	PI/2 BPSK	1	271		20.51				
100	PI/2 BPSK	135	0		20.53				
100	PI/2 BPSK	135	69		20.52		22.0	0.0	
100	PI/2 BPSK	135	138		20.61		22.0	0.0	
100	PI/2 BPSK	270	0		20.52				
100	QPSK	1	1		20.60				
100	QPSK	1	137		20.62				
100	QPSK	1	271		20.54		22.0	0.0	
100	QPSK	135	0		20.52		22.0	0.0	
100	QPSK	135	69		20.59				
100	QPSK	135	138		20.50				
100	QPSK	270	0		20.54				
100	16QAM	1	1		20.50		22.0	0.0	
100	64QAM	1	1		20.55		22.0	0.0	
100	256QAM	1	1		20.60		22.0	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	123		20.41	20.53	20.46	22.0	0.0
Channel				632968	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109		20.45	20.46	20.49	22.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	81		20.51	20.55	20.56	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		20.51	20.54	20.54	22.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53		20.41	20.45	20.57	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		20.51	20.47	20.57	22.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.52	3500.01	3542.52			
15	QPSK	1	19		20.53	20.45	20.47	22.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	12		20.45	20.46	20.50	22.0	0.0

Par270 n77 PC2&3 Ant3 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				656000	666000	666000	24.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	22.40	22.58	22.49	24.0	0.0	
100	PI/2 BPSK	1	137	23.45	23.53	23.46			
100	PI/2 BPSK	1	271	22.35	22.52	22.49			
100	PI/2 BPSK	135	0	23.24	23.40	23.35			
100	PI/2 BPSK	135	69	23.43	23.27	23.48	24.0	0.0	
100	PI/2 BPSK	135	138	23.25	23.42	23.35	24.0	0.0	
100	PI/2 BPSK	270	0	23.40	23.44	23.29			
100	QPSK	1	1	22.37	22.50	22.46			
100	QPSK	1	137	23.56	23.61	23.53			
100	QPSK	1	271	22.51	22.49	22.37	24.0	0.0	
100	QPSK	135	0	23.27	23.43	23.28	24.0	0.0	
100	QPSK	135	69	23.28	23.49	23.33	24.0	0.0	
100	QPSK	135	138	23.35	23.37	23.20	24.0	0.0	
100	QPSK	270	0	23.26	23.37	23.18	24.0	0.0	
100	16QAM	1	1	22.31	22.33	22.32	24.0	0.0	
100	64QAM	1	1	22.81	22.85	22.83	23.5	0.5	
100	256QAM	1	1	21.26	21.15	21.13	21.5	2.5	
Channel				648668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	123	22.95	23.25	23.05	24.0	0.0	
Channel				648334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	109	22.96	23.21	23.20	24.0	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	81	22.99	23.11	23.22	24.0	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	67	23.02	23.27	23.08	24.0	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	53	23.11	23.11	23.05	24.0	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	26	23.04	23.25	23.17	24.0	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	19	23.05	23.11	23.22	24.0	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	12	23.10	23.13	23.18	24.0	0.0	

Part27Q n77 PC2&3 Ant3 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633334	633334	24.0	0.0	
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		22.73		24.0	0.0	
100	PI/2 BPSK	1	137		23.44				
100	PI/2 BPSK	1	271		22.53				
100	PI/2 BPSK	135	0		23.32				
100	PI/2 BPSK	135	69		23.37		24.0	0.0	
100	PI/2 BPSK	135	138		23.38		24.0	0.0	
100	PI/2 BPSK	270	0		23.46				
100	QPSK	1	1		22.65				
100	QPSK	1	137		23.50				
100	QPSK	1	271		22.49		24.0	0.0	
100	QPSK	135	0		23.40		24.0	0.0	
100	QPSK	135	69		23.42		24.0	0.0	
100	QPSK	135	138		23.35		24.0	0.0	
100	QPSK	270	0		23.40		24.0	0.0	
100	16QAM	1	1		22.40		24.0	0.0	
100	64QAM	1	1		22.95		23.5	0.5	
100	256QAM	1	1		21.21		21.5	2.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	123	23.28	23.27	23.19	24.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109	23.26	23.15	23.22	24.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	81	23.22	23.29	23.26	24.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67	23.17	23.16	23.15	24.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53	23.11	23.16	23.25	24.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26	23.12	23.17	23.16	24.0	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	19	23.14	23.16	23.16	24.0	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	12	23.29	23.30	23.28	24.0	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000				
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1		22.52		24.0	0.0
100	PI/2 BPSK	1	137		23.49			
100	PI/2 BPSK	1	271		22.57			
100	PI/2 BPSK	135	0		23.46			
100	PI/2 BPSK	135	69		23.51		24.0	0.0
100	PI/2 BPSK	135	138		23.47		24.0	0.0
100	PI/2 BPSK	270	0		23.41			
100	QPSK	1	1		22.60			
100	QPSK	1	137		23.53			
100	QPSK	1	271		22.62		24.0	0.0
100	QPSK	135	0		23.45		24.0	0.0
100	QPSK	135	69		23.51			
100	QPSK	135	138		23.50			
100	QPSK	270	0		23.50			
100	16QAM	1	1		22.32		24.0	0.0
100	64QAM	1	1		22.93		23.5	0.5
100	256QAM	1	1		21.10		21.5	2.5
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	123		23.42	23.32	23.47	24.0
Channel				649334	650000	650566	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	109		23.32	23.37	23.39	24.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	81		23.35	23.27	23.29	24.0
Channel				643334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	67		23.36	23.33	23.43	24.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	53		23.45	23.37	23.39	24.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	26		23.44	23.33	23.32	24.0
Channel				647168	650000	652834	Tune-up limit	MPR
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)
15	QPSK	1	19		23.32	23.28	23.37	24.0
Channel				647000	650000	653000	Tune-up limit	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	12		23.34	23.46	23.47	24.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1		22.33		24.0	0.0
100	PI/2 BPSK	1	137		23.12			
100	PI/2 BPSK	1	271		22.27			
100	PI/2 BPSK	135	0		23.20			
100	PI/2 BPSK	135	69		23.20		24.0	0.0
100	PI/2 BPSK	135	138		23.02		24.0	0.0
100	PI/2 BPSK	270	0		23.06			
100	QPSK	1	1		22.38			
100	QPSK	1	137		23.24			
100	QPSK	1	271		22.27		24.0	0.0
100	QPSK	135	0		23.15		24.0	0.0
100	QPSK	135	69		23.19			
100	QPSK	135	138		23.07			
100	QPSK	270	0		23.12			
100	16QAM	1	1		22.14		24.0	0.0
100	64QAM	1	1		22.79		23.5	0.5
100	256QAM	1	1		20.80		21.5	2.5
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	123		23.01	23.03	23.03	24.0
Channel				632968	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	109		22.99	22.98	23.00	24.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	81		22.96	22.94	22.96	24.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	67		22.90	22.90	22.94	24.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3550.01	(dBm)	(dB)
40	QPSK	1	53		22.95	23.00	22.96	24.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	26		22.87	22.94	23.05	24.0
Channel				630500	633334	636168	Tune-up limit	MPR
Frequency (MHz)				3452.5	3500.01	3542.52	(dBm)	(dB)
15	QPSK	1	19		23.04	22.87	23.05	24.0
Channel				630334	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	12		23.05	22.88	22.88	24.0

n5 Ant4 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	25.5	0.0
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	23.94	24.14	24.11		
20	PI/2 BPSK	1	26	23.95	24.04	23.86	25.0	0.5
20	PI/2 BPSK	1	49	23.74	23.96	23.83		
20	PI/2 BPSK	25	0	23.47	23.64	23.50		
20	PI/2 BPSK	25	13	24.07	24.10	23.94	25.0	0.5
20	PI/2 BPSK	25	26	23.50	23.61	23.42		
20	PI/2 BPSK	50	0	23.54	23.67	23.64		
20	QPSK	1	1	24.03	24.22	24.20	25.5	0.0
20	QPSK	1	26	24.03	24.06	23.92		
20	QPSK	1	49	23.82	23.96	23.74		
20	QPSK	25	0	22.92	23.13	23.02	24.5	1.0
20	QPSK	25	13	23.87	24.08	23.86		
20	QPSK	25	26	22.91	23.05	22.98		
20	QPSK	50	0	22.87	23.10	22.91	24.5	1.0
20	16QAM	1	1	22.58	22.65	22.52		
20	64QAM	1	1	21.10	21.20	21.02		
20	256QAM	1	1	19.73	19.75	19.58	21.0	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.95	24.11	24.13	25.5	0.0
Channel				135600	137300	138500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826	836.5	844		
10	QPSK	1	1	24.02	24.16	24.09	25.5	0.0

n7 Ant4 DS12								
BW [MHz]	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	25.5	0.0
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	23.24	23.36	23.23	24.0	0.0
20	PI/2 BPSK	1	26	23.27	23.29	23.32		
20	PI/2 BPSK	1	49	23.35	23.29	23.28		
20	PI/2 BPSK	25	0	23.25	23.27	23.21	24.0	0.0
20	PI/2 BPSK	25	13	23.34	23.37	23.23		
20	PI/2 BPSK	25	26	23.35	23.32	23.34		
20	PI/2 BPSK	50	0	23.35	23.35	23.26	24.0	0.0
20	QPSK	1	1	23.40	23.41	23.38		
20	QPSK	1	26	23.24	23.30	23.28		
20	QPSK	1	49	23.26	23.35	23.34	23.0	1.0
20	QPSK	25	0	22.40	22.44	22.36		
20	QPSK	25	13	23.21	23.32	23.25		
20	QPSK	25	26	22.41	22.42	22.43	23.0	1.0
20	QPSK	50	0	22.42	22.34	22.34		
20	16QAM	1	1	23.24	23.26	23.28		
20	64QAM	1	1	22.39	22.48	22.41	23.0	1.0
20	256QAM	1	1	20.42	20.48	20.33	21.0	3.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	23.31	23.37	23.29	24.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	23.32	23.26	23.34	24.0	0.0



n38 Ant4 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				516000	516000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2590	2595	2610			
20	PI/2 BPSK	1	1	22.91	23.02	22.89	24.0	0.0	
20	PI/2 BPSK	1	26	22.91	23.03	22.78			
20	PI/2 BPSK	1	49	22.85	22.99	22.78			
20	PI/2 BPSK	25	0	22.84	22.95	22.78	24.0	0.0	
20	PI/2 BPSK	25	13	22.86	23.05	22.77	24.0	0.0	
20	PI/2 BPSK	25	26	22.83	22.99	22.77	24.0	0.0	
20	PI/2 BPSK	50	0	22.92	23.04	22.75			
20	QPSK	1	1	22.87	23.07	22.80			
20	QPSK	1	26	22.89	23.02	22.75	24.0	0.0	
20	QPSK	1	49	22.88	22.96	22.76			
20	QPSK	25	0	22.85	22.86	22.75			
20	QPSK	25	13	22.85	22.97	22.71	24.0	0.0	
20	QPSK	25	26	22.91	22.83	22.77	24.0	0.0	
20	QPSK	50	0	22.88	22.95	22.73	24.0	0.0	
20	16QAM	1	1	22.92	22.95	22.80			
20	64QAM	1	1	21.84	22.01	21.78			
20	256QAM	1	1	19.82	19.98	19.77	21.0	3.0	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	PI/2 BPSK	1	1	22.88	22.96	22.73	24.0	0.0	
Channel				515004	519000	522998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	PI/2 BPSK	1	1	22.88	22.95	22.79	24.0	0.0	

n41 PC3 Ant4 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				559202	518598	535000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	23.30	23.38	23.15	24.5	0.0	
100	PI/2 BPSK	1	137	24.18	24.30	24.20			
100	PI/2 BPSK	1	271	23.42	23.54	23.43			
100	PI/2 BPSK	135	0	24.05	24.14	24.00	24.5	0.0	
100	PI/2 BPSK	135	69	24.22	24.29	24.07	24.5	0.0	
100	PI/2 BPSK	135	138	24.17	24.22	24.03	24.5	0.0	
100	PI/2 BPSK	270	0	24.05	24.15	24.02			
100	QPSK	1	1	23.19	23.24	23.17			
100	QPSK	1	137	24.10	24.31	24.23	24.5	0.0	
100	QPSK	1	271	23.40	23.42	23.41			
100	QPSK	135	0	24.05	24.07	23.98			
100	QPSK	135	69	24.13	24.30	24.25	24.5	0.0	
100	QPSK	135	138	24.08	24.25	24.19	24.5	0.0	
100	QPSK	270	0	23.92	24.12	24.00	24.5	0.0	
100	16QAM	1	1	23.12	23.17	23.05			
100	64QAM	1	1	22.76	22.83	22.76			
100	256QAM	1	1	20.66	20.71	20.68	21.0	3.5	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	123	24.04	24.22	24.11	24.5	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	109	24.15	24.01	24.03	24.5	0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	24.11	24.15	24.07	24.5	0.0	
Channel				502204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	24.14	24.00	24.14	24.5	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	24.01	24.13	24.08	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	24.12	24.02	24.04	24.5	0.0	
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.35	2592.99	2689.43			
15	QPSK	1	19	24.17	24.16	24.01	24.5	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	12	24.14	24.12	24.16	24.5	0.0	

n41 PC2 Ant4 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				559202	518598	535000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	23.06	23.31	23.33	24.5	0.0	
100	PI/2 BPSK	1	137	23.12	23.39	23.25			
100	PI/2 BPSK	1	271	23.15	23.31	23.23			
100	PI/2 BPSK	135	0	23.06	23.33	23.23	24.5	0.0	
100	PI/2 BPSK	135	69	23.05	23.37	23.28	24.5	0.0	
100	PI/2 BPSK	135	138	23.17	23.27	23.27	24.5	0.0	
100	PI/2 BPSK	270	0	23.07	23.28	23.31			
100	QPSK	1	1	23.08	23.33	23.35			
100	QPSK	1	137	23.12	23.40	23.28	24.5	0.0	
100	QPSK	1	271	23.05	23.33	23.33			
100	QPSK	135	0	23.17	23.32	23.24			
100	QPSK	135	69	23.11	23.35	23.26	24.5	0.0	
100	QPSK	135	138	23.14	23.28	23.30	24.5	0.0	
100	QPSK	270	0	23.06	23.36	23.32	24.5	0.0	
100	16QAM	1	1	23.09	23.35	23.30			
100	64QAM	1	1	22.05	22.29	22.22			
100	256QAM	1	1	20.09	20.38	20.20	21.5	3.0	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	123	23.01	23.25	23.15	24.5	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	109	23.03	23.26	23.14	24.5	0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	22.99	23.19	23.19	24.5	0.0	
Channel				502204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	23.04	23.25	23.22	24.5	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	23.09	23.17	23.22	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	23.08	23.27	23.09	24.5	0.0	
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.35	2592.99	2689.43			
15	QPSK	1	19	22.98	23.18	23.21	24.5	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	12	22.99	23.22	23.22	24.5	0.0	



Par270 n77 PC3 Ant5 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				656000	666000	665000	17.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	15.50	15.52	15.39	17.0	0.0	
100	PI/2 BPSK	1	137	15.49	15.48	15.38			
100	PI/2 BPSK	1	271	15.40	15.55	15.30			
100	PI/2 BPSK	135	0	15.49	15.47	15.42			
100	PI/2 BPSK	135	69	15.41	15.45	15.31	17.0	0.0	
100	PI/2 BPSK	135	138	15.39	15.43	15.36	17.0	0.0	
100	PI/2 BPSK	270	0	15.38	15.54	15.40			
100	QPSK	1	1	15.45	15.49	15.33	17.0	0.0	
100	QPSK	1	137	15.55	15.59	15.45			
100	QPSK	1	271	15.46	15.44	15.40			
100	QPSK	135	0	15.42	15.45	15.36			
100	QPSK	135	69	15.41	15.53	15.39	17.0	0.0	
100	QPSK	135	138	15.51	15.47	15.35	17.0	0.0	
100	QPSK	270	0	15.49	15.51	15.30	17.0	0.0	
100	16QAM	1	1	15.39	15.48	15.42			
100	64QAM	1	1	15.44	15.49	15.31			
100	256QAM	1	1	15.46	15.42	15.35			
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01	17.0	0.0	
90	QPSK	1	123	15.49	15.53	15.29	17.0	0.0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02	17.0	0.0	
80	QPSK	1	109	15.48	15.50	15.36	17.0	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01	17.0	0.0	
60	QPSK	1	81	15.43	15.49	15.35	17.0	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02	17.0	0.0	
50	QPSK	1	67	15.50	15.54	15.31	17.0	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	17.0	0.0	
40	QPSK	1	53	15.52	15.51	15.34	17.0	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02	17.0	0.0	
20	QPSK	1	26	15.41	15.44	15.29	17.0	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51	17.0	0.0	
15	QPSK	1	19	15.52	15.44	15.31	17.0	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975	17.0	0.0	
10	QPSK	1	12	15.41	15.48	15.29	17.0	0.0	

Part27Q n77 PC3 Ant5 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				633334			17.0	0.0	
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1	15.46			17.0	0.0	
100	PI2 BPSK	1	137	15.37					
100	PI2 BPSK	1	271	15.38					
100	PI2 BPSK	135	0	15.44					
100	PI2 BPSK	135	69	15.39			17.0	0.0	
100	PI2 BPSK	135	138	15.44					
100	PI2 BPSK	270	0	15.39			17.0	0.0	
100	QPSK	1	1	15.32					
100	QPSK	1	137	15.48					
100	QPSK	1	271	15.43					
100	QPSK	135	0	15.36			17.0	0.0	
100	QPSK	135	69	15.40					
100	QPSK	135	138	15.37					
100	QPSK	270	0	15.36					
100	16QAM	1	1	15.45			17.0	0.0	
100	64QAM	1	1	15.45			17.0	0.0	
100	256QAM	1	1	15.44			17.0	0.0	
Channel				633000	633334	633668	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3495	3500.01	3505.02	17.0	0.0	
90	QPSK	1	123	15.39	15.26	15.34	17.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3490.02	3500.01	3510	17.0	0.0	
80	QPSK	1	109	15.35	15.29	15.40	17.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3480	3500.01	3520.02	17.0	0.0	
60	QPSK	1	81	15.27	15.24	15.44	17.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3475.02	3500.01	3525	17.0	0.0	
50	QPSK	1	67	15.39	15.29	15.44	17.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3470.01	3500.01	3530.01	17.0	0.0	
40	QPSK	1	53	15.28	15.29	15.34	17.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3460.02	3500.01	3540	17.0	0.0	
20	QPSK	1	26	15.37	15.24	15.43	17.0	0.0	
Channel				630500	633334	636168	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3457.5	3500.01	3542.52	17.0	0.0	
15	QPSK	1	19	15.32	15.37	15.41	17.0	0.0	
Channel				630334	633334	636334	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3455.01	3500.01	3545.01	17.0	0.0	
10	QPSK	1	12	15.32	15.37	15.34	17.0	0.0	

Part270 n78 PC3 Ant5 DSI2

BW [MHz]	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			17.0	0.0
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1		15.44		17.0	0.0
100	PI/2 BPSK	1	137		15.46			
100	PI/2 BPSK	1	271		15.44		17.0	0.0
100	PI/2 BPSK	135	0		15.42			
100	PI/2 BPSK	135	69		15.44		17.0	0.0
100	PI/2 BPSK	135	138		15.44			
100	PI/2 BPSK	270	0		15.43		17.0	0.0
100	QPSK	1	1		15.40			
100	QPSK	1	137		15.53		17.0	0.0
100	QPSK	1	271		15.50			
100	QPSK	135	0		15.42		17.0	0.0
100	QPSK	135	69		15.45			
100	QPSK	135	138		15.38		17.0	0.0
100	QPSK	270	0		15.40			
100	16QAM	0	1		15.49		17.0	0.0
100	64QAM	1	1		15.39			
100	256QAM	1	1		15.42		17.0	0.0
Channel				649668	650000	650334		
Frequency (MHz)				3745.02	3750	3755.01	17.0	0.0
90	QPSK	1	123		15.52	15.49		
Channel				649334	650000	650666	17.0	0.0
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	109		15.39	15.49	17.0	0.0
Channel				648668	650000	651334		
Frequency (MHz)				3730.02	3750	3770.01	17.0	0.0
60	QPSK	1	81		15.41	15.48		
Channel				641334	650000	651666	17.0	0.0
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	67		15.48	15.50	17.0	0.0
Channel				648000	650000	652000		
Frequency (MHz)				3720	3750	3780	17.0	0.0
40	QPSK	1	53		15.48	15.43		
Channel				647334	650000	652668	17.0	0.0
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	26		15.50	15.49	17.0	0.0
Channel				647168	650000	652834		
Frequency (MHz)				3707.52	3750	3792.51	17.0	0.0
15	QPSK	1	19		15.43	15.45		
Channel				647000	650000	653000	17.0	0.0
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	12		15.48	15.44	17.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334			17.0	0.0
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1		15.35		17.0	0.0
100	PI/2 BPSK	1	137		15.30			
100	PI/2 BPSK	1	271		15.30		17.0	0.0
100	PI/2 BPSK	135	0		15.29			
100	PI/2 BPSK	135	69		15.32		17.0	0.0
100	PI/2 BPSK	135	138		15.29			
100	PI/2 BPSK	270	0		15.29		17.0	0.0
100	QPSK	1	1		15.33			
100	QPSK	1	137		15.38		17.0	0.0
100	QPSK	1	271		15.32			
100	QPSK	135	0		15.36		17.0	0.0
100	QPSK	135	69		15.35			
100	QPSK	135	138		15.29		17.0	0.0
100	QPSK	270	0		15.30			
100	16QAM	1	1		15.36		17.0	0.0
100	64QAM	1	1		15.31			
100	256QAM	1	1		15.28		17.0	0.0
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02	17.0	0.0
90	QPSK	1	123		15.09	15.16		
Channel				632568	633334	634000	17.0	0.0
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	109		15.22	15.22	17.0	0.0
Channel				632000	633334	634668		
Frequency (MHz)				3480	3500.01	3520.02	17.0	0.0
60	QPSK	1	81		15.15	15.19		
Channel				631668	633334	635000	17.0	0.0
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67		15.12	15.27	17.0	0.0
Channel				631334	633334	635334		
Frequency (MHz)				3470.01	3500.01	3530.01	17.0	0.0
40	QPSK	1	53		15.19	15.27		
Channel				630968	633334	636000	17.0	0.0
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26		15.19	15.23	17.0	0.0
Channel				630500	633334	636168		
Frequency (MHz)				3457.52	3500.01	3542.52	17.0	0.0
15	QPSK	1	19		15.12	15.24		
Channel				630334	633334	636334	17.0	0.0
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12		15.21	15.23	17.0	0.0

Par270 n77 PC3 Ant6 DSI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				656000	666000	665000	18.0	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	17.43	17.53	17.47	18.0	0.0
100	PI/2 BPSK	1	137	17.54	17.55	17.56		
100	PI/2 BPSK	1	271	17.45	17.56	17.53	18.0	0.0
100	PI/2 BPSK	135	0	17.47	17.54	17.56		
100	PI/2 BPSK	135	69	17.43	17.52	17.51	18.0	0.0
100	PI/2 BPSK	135	138	17.45	17.53	17.56		
100	PI/2 BPSK	270	0	17.49	17.54	17.50	18.0	0.0
100	QPSK	1	1	17.45	17.47	17.49		
100	QPSK	1	137	17.49	17.57	17.49	18.0	0.0
100	QPSK	1	271	17.46	17.46	17.44		
100	QPSK	135	0	17.52	17.52	17.50	18.0	0.0
100	QPSK	135	69	17.44	17.54	17.46		
100	QPSK	135	138	17.46	17.48	17.48	18.0	0.0
100	QPSK	270	0	17.51	17.56	17.44		
100	16QAM	1	1	17.46	17.52	17.56	18.0	0.0
100	64QAM	1	1	17.49	17.52	17.56		
100	256QAM	1	1	17.50	17.56	17.44	18.0	0.0
Channel				648668	656000	662334		
Frequency (MHz)				3745.02	3840	3935.01	18.0	0.0
90	QPSK	1	123	17.46	17.50	17.50		
Channel				648334	656000	662668	18.0	0.0
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	109	17.53	17.59	17.48	18.0	0.0
Channel				648668	656000	663334		
Frequency (MHz)				3730.02	3840	3950.01	18.0	0.0
60	QPSK	1	81	17.50	17.56	17.44		
Channel				648334	656000	663668	18.0	0.0
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	67	17.50	17.57	17.49	18.0	0.0
Channel				648000	656000	664000		
Frequency (MHz)				3720	3840	3960	18.0	0.0
40	QPSK	1	53	17.41	17.54	17.53		
Channel				647334	656000	664668	18.0	0.0
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	26	17.55	17.52	17.55	18.0	0.0
Channel				647168	656000	664834		
Frequency (MHz)				3707.52	3840	3972.51	18.0	0.0
15	QPSK	1	19	17.48	17.53	17.46		
Channel				647000	656000	665000	18.0	0.0
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	12	17.55	17.48	17.44	18.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPRR (dB)	
Channel							18.0	0.0	
Frequency (MHz)									
100	PI/2 BPSK	1	1		16.47		18.0	0.0	
100	PI/2 BPSK	1	137		16.46				
100	PI/2 BPSK	1	271		16.42		18.0	0.0	
100	PI/2 BPSK	135	0		16.37				
100	PI/2 BPSK	135	69		16.40		18.0	0.0	
100	PI/2 BPSK	135	138		16.41				
100	PI/2 BPSK	270	0		16.40		18.0	0.0	
100	QPSK	1	1		16.44				
100	QPSK	1	137		16.48		18.0	0.0	
100	QPSK	1	271		16.40				
100	QPSK	135	0		16.37		18.0	0.0	
100	QPSK	135	69		16.40				
100	QPSK	135	138		16.30		18.0	0.0	
100	QPSK	270	0		16.42				
100	16QAM	1	1		16.39		18.0	0.0	
100	64QAM	1	1		16.44				
100	256QAM	1	1		16.37		18.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	123	633000	633334	633668	Tune-up limit (dBm)	MPRR (dB)	
							3495	3500.01	3505.02
							16.38	16.46	16.39
Channel							632668	633334	634000
Frequency (MHz)							3490.02	3500.01	3510
80	QPSK	1	109	16.33	16.37	16.29	18.0	0.0	
Channel							632000	633334	634668
Frequency (MHz)							3480	3500.01	3520.02
60	QPSK	1	81	16.33	16.36	16.28	18.0	0.0	
Channel							631668	633334	635000
Frequency (MHz)							3475.02	3500.01	3525
50	QPSK	1	67	16.34	16.39	16.36	18.0	0.0	
Channel							631334	633334	635334
Frequency (MHz)							3470.01	3500.01	3530.01
40	QPSK	1	53	16.29	16.40	16.25	18.0	0.0	
Channel							630668	633334	636000
Frequency (MHz)							3460.02	3500.01	3540
20	QPSK	1	26	16.25	16.40	16.25	18.0	0.0	
Channel							630500	633334	636168
Frequency (MHz)							3457.5	3500.01	3542.52
15	QPSK	1	19	16.23	16.40	16.25	18.0	0.0	
Channel							630334	633334	636334
Frequency (MHz)							3455.01	3500.01	3545.01
10	QPSK	1	12	16.30	16.36	16.29	18.0	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit	MPR (dB)
Channel				650000				
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1		17.52		18.0	0.0
100	PI/2 BPSK	1	137		17.48			
100	PI/2 BPSK	1	271		17.42			
100	PI/2 BPSK	135	0		17.46		18.0	0.0
100	PI/2 BPSK	135	69		17.46		18.0	0.0
100	PI/2 BPSK	135	138		17.43		18.0	0.0
100	PI/2 BPSK	270	0		17.50			
100	QPSK	1	1		17.41			
100	QPSK	1	137		17.55		18.0	0.0
100	QPSK	1	271		17.48			
100	QPSK	135	0		17.38			
100	QPSK	135	69		17.45		18.0	0.0
100	QPSK	135	138		17.44		18.0	0.0
100	QPSK	270	0		17.42		18.0	0.0
100	16QAM	0	1		17.44			
100	64QAM	1	1		17.50			
100	256QAM	1	1		17.48		18.0	0.0
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	123	17.50	17.46	17.46	18.0	0.0
Channel				649334	650000	650666	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	109	17.37	17.29	17.37	18.0	0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	81	17.38	17.33	17.30	18.0	0.0
Channel				643334	650000	651666	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	67	17.45	17.30	17.37	18.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	53	17.39	17.42	17.35	18.0	0.0
Channel				647334	650000	652666	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	26	17.43	17.42	17.34	18.0	0.0
Channel				647168	650000	652834	Tune-up limit	MPR
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)
15	QPSK	1	19	17.45	17.37	17.41	18.0	0.0
Channel				647000	650000	653000	Tune-up limit	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	12	17.41	17.40	17.29	18.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		16.40		18.0	0.0	
100	PI/2 BPSK	1	137		16.31				
100	PI/2 BPSK	1	271		16.35				
100	PI/2 BPSK	135	0		16.41		18.0	0.0	
100	PI/2 BPSK	135	69		16.30				
100	PI/2 BPSK	135	138		16.38				
100	PI/2 BPSK	270	0		16.28		18.0	0.0	
100	QPSK	1	1		16.36		18.0	0.0	
100	QPSK	1	137		16.42				
100	QPSK	1	271		16.36				
100	QPSK	135	0		16.37		18.0	0.0	
100	QPSK	135	69		16.41				
100	QPSK	135	138		16.39				
100	QPSK	270	0		16.30		18.0	0.0	
100	16QAM	1	1		16.38		18.0	0.0	
100	64QAM	1	1		16.40		18.0	0.0	
100	256QAM	1	1		16.38		18.0	0.0	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	123		16.32	16.33	16.39	18.0	0.0
Channel				632968	633334	633666	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	109		16.23	16.17	16.31	18.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	81		16.20	16.24	16.24	18.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	67		16.25	16.23	16.27	18.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	53		16.24	16.29	16.31	18.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	26		16.17	16.21	16.22	18.0	0.0
Channel				630500	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	19		16.24	16.24	16.34	18.0	0.0
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	12		16.27	16.20	16.23	18.0	0.0

Reduced power level for 5G NR DSI2 ENDC

Par270 n77 PC2&3 Ant3 DSI2									
BW [MHz]	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	19.35	19.50	19.44	21.0		
100	PI/2 BPSK	1	137	20.29	20.39	20.28			
100	PI/2 BPSK	1	271	19.49	19.58	19.46		0.0	
100	PI/2 BPSK	135	0	20.20	20.24	20.04	21.0	0.0	
100	PI/2 BPSK	135	69	20.30	20.41	20.29	21.0	0.0	
100	PI/2 BPSK	135	138	20.23	20.31	20.29	21.0		
100	PI/2 BPSK	270	0	20.19	20.25	20.10		0.0	
100	QPSK	1	1	19.53	19.53	19.53			
100	QPSK	1	137	20.39	20.44	20.38	21.0	0.0	
100	QPSK	1	271	19.60	19.61	19.61	21.0		
100	QPSK	135	0	20.18	20.28	20.22		0.0	
100	QPSK	135	69	20.41	20.42	20.36		0.0	
100	QPSK	135	138	20.20	20.31	20.27	21.0		
100	QPSK	270	0	20.10	20.28	20.19		0.0	
100	16QAM	1	1	19.76	19.89	19.81	21.0	0.0	
100	64QAM	1	1	19.75	19.76	19.77	21.0	0.0	
100	256QAM	1	1	19.81	20.01	19.88	21.0	0.0	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	123	20.05	20.09	19.93	21.0	0.0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	109	19.97	20.13	20.00	21.0	0.0	
Channel				649000	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	81	19.94	20.10	19.98	21.0	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	67	19.94	20.03	20.05	21.0	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	53	19.86	19.89	20.02	21.0	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	26	19.91	20.09	19.96	21.0	0.0	
Channel				647168	656000	664934	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	19	20.05	20.06	19.98	21.0	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	12	19.98	19.94	20.02	21.0	0.0	

Part27Q n77 PC2&3 Ant3 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633334	633668			
Frequency (MHz)				3500.01	3500.01	3505.02			
100	PI/2 BPSK	1	1	19.52	19.52	19.52	21.0		
100	PI/2 BPSK	1	137	20.38	20.38	20.38			0.0
100	PI/2 BPSK	1	271	19.49	19.49	19.49			0.0
100	PI/2 BPSK	135	0	20.33	20.33	20.33	21.0		0.0
100	PI/2 BPSK	135	69	20.33	20.33	20.33	21.0		0.0
100	PI/2 BPSK	135	138	20.41	20.41	20.41	21.0		0.0
100	PI/2 BPSK	270	0	20.24	20.24	20.24			0.0
100	QPSK	1	1	19.53	19.53	19.53			
100	QPSK	1	137	20.51	20.51	20.51	21.0		0.0
100	QPSK	1	271	19.66	19.66	19.66	21.0		
100	QPSK	135	0	20.32	20.32	20.32			0.0
100	QPSK	135	69	20.36	20.36	20.36			0.0
100	QPSK	135	138	20.19	20.19	20.19	21.0		
100	QPSK	270	0	20.35	20.35	20.35			0.0
100	16QAM	1	1	19.77	19.77	19.77	21.0		0.0
100	64QAM	1	1	19.88	19.88	19.88	21.0		0.0
100	256QAM	1	1	20.11	20.11	20.11	21.0		0.0
Channel				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	123	20.33	20.39	20.18	21.0		0.0
Channel				632668	633334	634000			
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109	20.45	20.40	20.31	21.0		0.0
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	81	20.37	20.39	20.34	21.0		0.0
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67	20.45	20.45	20.35	21.0		0.0
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53	20.49	20.37	20.14	21.0		0.0
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26	20.30	20.43	20.20	21.0		0.0
Channel				630500	633334	636168			
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	19	20.48	20.33	20.15	21.0		0.0
Channel				630334	633334	636334			
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	12	20.42	20.47	20.24	21.0		0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					3750			
Frequency (MHz)					19.51			
100	PI/2 BPSK	1	1		20.34		21.0	0.0
100	PI/2 BPSK	1	137		19.54			
100	PI/2 BPSK	1	271		20.15		21.0	0.0
100	PI/2 BPSK	135	0		20.32		21.0	0.0
100	PI/2 BPSK	135	69		20.28		21.0	0.0
100	PI/2 BPSK	135	138		20.19		21.0	0.0
100	PI/2 BPSK	270	0		19.44			
100	QPSK	1	1		20.44		21.0	0.0
100	QPSK	1	137		19.54			
100	QPSK	1	271		20.26		21.0	0.0
100	QPSK	135	0		20.31		21.0	0.0
100	QPSK	135	69		20.22		21.0	0.0
100	QPSK	135	138		20.23			
100	QPSK	270	0		19.72		21.0	0.0
100	16QAM	1	1		19.69		21.0	0.0
100	64QAM	1	1		19.91		21.0	0.0
100	256QAM	1	1		649668	650000	650334	Tune-up limit MPR
Channel					3745.02	3750	3755.01	(dBm) (dB)
Frequency (MHz)					19.92	20.07	19.93	21.0 0.0
90	QPSK	1	123		649334	650000	650668	Tune-up limit MPR
Channel					3740.01	3750	3760.02	(dBm) (dB)
Frequency (MHz)					19.52	19.93	19.61	21.0 0.0
80	QPSK	1	109		645068	650000	651334	Tune-up limit MPR
Channel					3730.02	3750	3770.01	(dBm) (dB)
Frequency (MHz)					19.93	20.01	19.95	21.0 0.0
60	QPSK	1	81		648334	650000	651668	Tune-up limit MPR
Channel					3725.01	3750	3775.02	(dBm) (dB)
Frequency (MHz)					19.02	20.03	19.92	21.0 0.0
50	QPSK	1	67		649000	650000	652000	Tune-up limit MPR
Channel					3720	3750	3780	(dBm) (dB)
Frequency (MHz)					19.94	20.00	20.00	21.0 0.0
40	QPSK	1	53		647334	650000	652668	Tune-up limit MPR
Channel					3710.01	3750	3790.02	(dBm) (dB)
Frequency (MHz)					19.25	20.02	20.02	21.0 0.0
20	QPSK	1	26		647168	650000	652834	Tune-up limit MPR
Channel					3707.52	3750	3792.51	(dBm) (dB)
Frequency (MHz)					19.95	20.04	19.93	21.0 0.0
15	QPSK	1	19		647000	650000	653000	Tune-up limit MPR
Channel					3745	3750	3745	(dBm) (dB)
Frequency (MHz)					20.02	19.99	19.97	21.0 0.0
10	QPSK	1	12					

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					3500.01			
Frequency (MHz)					19.42			
100	PI/2 BPSK	1	1		20.14		21.0	0.0
100	PI/2 BPSK	1	137		19.53			
100	PI/2 BPSK	1	271		20.11		21.0	0.0
100	PI/2 BPSK	135	0		20.28		21.0	0.0
100	PI/2 BPSK	135	69		20.18		21.0	0.0
100	PI/2 BPSK	135	138		19.97		21.0	0.0
100	PI/2 BPSK	270	0		19.44			
100	QPSK	1	1		20.33		21.0	0.0
100	QPSK	1	137		20.05			
100	QPSK	1	271		20.25		21.0	0.0
100	QPSK	135	0		20.13		21.0	0.0
100	QPSK	135	69		20.24		21.0	0.0
100	QPSK	135	138		19.56		21.0	0.0
100	QPSK	270	0		19.47		21.0	0.0
100	16QAM	1	1		19.74		21.0	0.0
100	64QAM	1	1		633000	633334	633668	Tune-up limit MPR
100	256QAM	1	1		3495	3500.01	3505.02	(dBm) (dB)
Channel					19.94	19.95	19.94	21.0 0.0
Frequency (MHz)					632668	633334	634000	Tune-up limit MPR
Channel					3490.02	3500.01	3510	(dBm) (dB)
Frequency (MHz)					19.90	19.76	19.85	21.0 0.0
80	QPSK	1	109		632000	633334	634668	Tune-up limit MPR
Channel					3480	3500.01	3520.02	(dBm) (dB)
Frequency (MHz)					19.83	19.96	19.77	21.0 0.0
60	QPSK	1	81		631668	633334	635000	Tune-up limit MPR
Channel					3475.02	3500.01	3525	(dBm) (dB)
Frequency (MHz)					19.75	19.88	19.91	21.0 0.0
50	QPSK	1	67		631334	633334	635334	Tune-up limit MPR
Channel					3470.01	3500.01	3530.01	(dBm) (dB)
Frequency (MHz)					19.72	19.96	19.87	21.0 0.0
40	QPSK	1	53		630668	633334	636000	Tune-up limit MPR
Channel					3460.02	3500.01	3540	(dBm) (dB)
Frequency (MHz)					19.93	19.92	19.94	21.0 0.0
20	QPSK	1	26		630500	633334	636168	Tune-up limit MPR
Channel					3457.5	3500.01	3542.52	(dBm) (dB)
Frequency (MHz)					19.75	19.77	19.77	21.0 0.0
15	QPSK	1	19		630334	633334	636334	Tune-up limit MPR
Channel					3455.01	3500.01	3545.01	(dBm) (dB)
Frequency (MHz)					19.90	19.94	19.86	21.0 0.0
10	QPSK	1	12					



Reduced power level for 5G NR DSI3

n5 Ant1 DSI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 166800	Power Middle Ch. / Freq. 167300	Power High Ch. / Freq. 167800	Tune-up limit (dBm)	MPR (dB)
Channel				831	838.5	841		
Frequency (MHz)				831	838.5	841		
20	PI/2 BPSK	1	1	22.95	23.16	23.09	24.5	0.0
20	PI/2 BPSK	1	26	22.96	23.09	23.05		
20	PI/2 BPSK	1	49	23.00	23.12	23.17		
20	PI/2 BPSK	25	0	23.01	23.05	23.16	24.5	0.0
20	PI/2 BPSK	25	13	22.84	23.20	23.19	24.5	0.0
20	PI/2 BPSK	25	26	23.00	23.15	23.11	24.5	0.0
20	PI/2 BPSK	50	0	22.90	23.06	23.09		
20	QPSK	1	1	22.80	23.22	23.08		
20	QPSK	1	26	22.90	23.12	23.10	24.5	0.0
20	QPSK	1	49	22.81	23.16	23.09	24.5	0.0
20	QPSK	25	0	22.94	23.10	23.05		
20	QPSK	25	13	22.95	23.21	23.13		
20	QPSK	25	26	22.86	23.06	23.10	24.5	0.0
20	QPSK	50	0	22.89	23.19	23.02	24.5	0.0
20	16QAM	1	1	22.80	23.09	23.00		
20	64QAM	1	1	21.30	21.78	21.68		
20	256QAM	1	1	19.74	20.26	19.98	21.0	3.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.60	23.16	22.92	24.5	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.62	23.19	23.01	24.5	0.0

n7 Ant1 DSI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 502000	Power Middle Ch. / Freq. 507000	Power High Ch. / Freq. 512000	Tune-up limit (dBm)	MPR (dB)
Channel				2310	2315	2320		
Frequency (MHz)				2310	2315	2320		
20	PI/2 BPSK	1	1	18.15	18.50	18.27	19.5	0.0
20	PI/2 BPSK	1	26	18.18	18.38	18.22		
20	PI/2 BPSK	1	49	18.20	18.36	18.32		
20	PI/2 BPSK	25	0	18.21	18.53	18.34	19.5	0.0
20	PI/2 BPSK	25	13	18.24	18.35	18.33	19.5	0.0
20	PI/2 BPSK	25	26	18.30	18.51	18.29	19.5	0.0
20	PI/2 BPSK	50	0	18.28	18.54	18.29		
20	QPSK	1	1	18.38	18.55	18.23		
20	QPSK	1	26	18.36	18.44	18.41	19.5	0.0
20	QPSK	1	49	18.16	18.33	18.34	19.5	0.0
20	QPSK	25	0	18.28	18.33	18.28		
20	QPSK	25	13	18.33	18.51	18.25		
20	QPSK	25	26	18.31	18.43	18.24	19.5	0.0
20	QPSK	50	0	18.36	18.48	18.25	19.5	0.0
20	16QAM	1	1	18.35	18.46	18.43		
20	64QAM	1	1	18.22	18.36	18.37		
20	256QAM	1	1	18.18	18.35	18.43	19.5	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	18.37	18.48	18.31	19.5	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	18.24	18.44	18.41	19.5	0.0

n38 Ant1 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				516500	518000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2590	2595	2610			
20	PI/2 BPSK	1	1	17.91	18.15	17.95	19.5	0.0	
20	PI/2 BPSK	1	26	17.88	18.06	18.13			
20	PI/2 BPSK	1	49	17.89	18.04	17.98	19.5	0.0	
20	PI/2 BPSK	25	0	17.82	18.01	18.12			
20	PI/2 BPSK	25	13	17.87	18.20	17.94	19.5	0.0	
20	PI/2 BPSK	25	26	18.04	18.18	18.00			
20	PI/2 BPSK	50	0	18.00	18.11	18.13	19.5	0.0	
20	QPSK	1	1	17.96	18.22	17.95			
20	QPSK	1	26	17.87	18.18	18.15	19.5	0.0	
20	QPSK	1	49	17.91	18.12	17.94			
20	QPSK	25	0	17.93	18.08	18.08	19.5	0.0	
20	QPSK	25	13	17.84	18.18	18.17			
20	QPSK	25	26	17.82	18.20	18.02	19.5	0.0	
20	QPSK	50	0	17.88	18.16	17.98			
20	16QAM	1	1	17.87	18.18	18.15	19.5	0.0	
20	64QAM	1	1	18.00	18.12	17.98			
20	256QAM	1	1	17.92	18.05	18.04	19.5	0.0	
Channel				515902	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49	Tune-up limit (dBm)	MPR (dB)	
15	PI/2 BPSK	1	1	17.95	18.19	18.01	19.5	0.0	
Channel				515004	518000	522596			
Frequency (MHz)				2575.02	2595	2614.98	Tune-up limit (dBm)	MPR (dB)	
10	PI/2 BPSK	1	1	17.97	18.07	18.13	19.5	0.0	

n41 PC2&3 Ant1 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				508202	518898	528000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	18.77	18.92	18.67	19.5	0.0	
100	PI/2 BPSK	1	137	18.67	18.79	18.66			
100	PI/2 BPSK	1	271	18.74	18.90	18.55	19.5	0.0	
100	PI/2 BPSK	135	0	18.75	18.84	18.62			
100	PI/2 BPSK	135	69	18.69	18.73	18.58	19.5	0.0	
100	PI/2 BPSK	135	138	18.70	18.89	18.58			
100	PI/2 BPSK	270	0	18.76	18.94	18.67	19.5	0.0	
100	QPSK	1	1	18.59	18.85	18.65			
100	QPSK	1	137	18.74	18.95	18.53	19.5	0.0	
100	QPSK	1	271	18.79	18.67	18.57			
100	QPSK	135	0	18.61	18.81	18.57	19.5	0.0	
100	QPSK	135	69	18.77	18.84	18.58			
100	QPSK	135	138	18.78	18.75	18.67	19.5	0.0	
100	QPSK	270	0	18.75	18.80	18.67			
100	16QAM	1	1	18.77	18.82	18.65	19.5	0.0	
100	64QAM	1	1	18.72	18.76	18.70			
100	256QAM	1	1	18.65	18.92	18.72	19.5	0.0	
Channel				508200	518898	528998			
Frequency (MHz)				2541	2592.99	2644.98	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	123	18.62	18.67	18.73	19.5	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2538.02	2592.99	2649.99	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	109	18.71	18.93	18.71	19.5	0.0	
Channel				506200	518598	531998			
Frequency (MHz)				2526	2592.99	2659.98	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	81	18.57	18.50	18.61	19.5	0.0	
Channel				504204	518598	533998			
Frequency (MHz)				2521.02	2592.99	2684.99	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	67	18.65	18.82	18.72	19.5	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	53	18.70	18.73	18.65	19.5	0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	26	18.78	18.86	18.67	19.5	0.0	
Channel				500700	518598	536498			
Frequency (MHz)				2503.02	2592.99	2682.02	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	19	18.75	18.85	18.65	19.5	0.0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	12	18.76	18.75	18.53	19.5	0.0	

n7 Ant2 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	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	23.07	23.15	23.08			
20	PI/2 BPSK	1	26	23.10	23.13	23.19	25.0	0.0	
20	PI/2 BPSK	1	49	23.02	23.04	23.01			
20	PI/2 BPSK	25	0	22.57	22.67	22.58	24.5	0.5	
20	PI/2 BPSK	25	13	23.12	23.16	23.04	25.0	0.0	
20	PI/2 BPSK	25	26	22.56	22.67	22.65			
20	PI/2 BPSK	50	0	22.61	22.72	22.67	24.5	0.5	
20	QPSK	1	1	23.05	23.24	23.11			
20	QPSK	1	26	23.16	23.20	23.01	25.0	0.0	
20	QPSK	1	49	23.18	23.02	23.14			
20	QPSK	25	0	22.07	22.19	22.10	24.0	1.0	
20	QPSK	25	13	23.09	23.19	23.08	25.0	0.0	
20	QPSK	25	26	22.32	22.34	22.28			
20	QPSK	50	0	22.34	22.35	22.30	24.0	1.0	
20	16QAM	1	1	22.14	22.25	22.17	24.0	1.0	
20	64QAM	1	1	20.62	20.54	20.56	22.5	2.5	
20	256QAM	1	1	18.73	18.77	18.67	20.5	4.5	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	23.14	23.16	23.03	25.0	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	23.13	23.15	23.02	25.0	0.0	

n38 Ant2 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				516600	518000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2590	2595	2610		
20	PI/2 BPSK	1	1	23.01	23.04	23.12	25.0	0.0
20	PI/2 BPSK	1	26	23.03	23.20	23.07		
20	PI/2 BPSK	1	49	23.18	23.04	23.05		
20	PI/2 BPSK	25	0	22.68	22.58	22.67	24.5	0.5
20	PI/2 BPSK	25	13	23.08	23.10	23.02	25.0	0.0
20	PI/2 BPSK	25	26	22.54	22.57	22.59	24.5	0.5
20	PI/2 BPSK	50	0	22.80	22.64	22.57		
20	QPSK	1	1	23.05	23.22	23.15		
20	QPSK	1	26	23.10	23.12	23.17	25.0	0.0
20	QPSK	1	49	23.06	23.09	23.07		
20	QPSK	25	0	22.04	22.15	22.03		
20	QPSK	25	13	23.07	23.11	23.02	25.0	0.0
20	QPSK	25	26	22.20	22.20	22.14	24.0	1.0
20	QPSK	50	0	22.22	22.24	22.20	24.0	1.0
20	16QAM	1	1	22.22	22.41	22.41		
20	64QAM	1	1	20.72	20.67	20.75		
20	256QAM	1	1	18.75	18.79	18.66	20.5	4.5
Channel				515902	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	PI/2 BPSK	1	1	23.06	23.12	23.04	25.0	0.0
Channel				515004	518000	522596	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	PI/2 BPSK	1	1	23.04	23.14	23.06	25.0	0.0

n41 PC3 Ant2 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				506202	518998	530000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	23.03	23.08	23.12	25.0	0.0
100	PI/2 BPSK	1	137	23.03	23.20	23.13		
100	PI/2 BPSK	1	271	23.02	23.03	23.13		
100	PI/2 BPSK	135	0	23.08	23.13	23.09	25.0	0.0
100	PI/2 BPSK	135	69	23.20	23.22	23.12	25.0	0.0
100	PI/2 BPSK	135	138	23.10	23.14	23.06	25.0	0.0
100	PI/2 BPSK	270	0	23.08	23.07	23.01		
100	QPSK	1	1	23.11	23.03	23.14		
100	QPSK	1	137	23.13	23.26	23.10	25.0	0.0
100	QPSK	1	271	23.07	23.20	23.11		
100	QPSK	135	0	23.16	23.19	23.16		
100	QPSK	135	69	23.22	23.24	23.18	25.0	0.0
100	QPSK	135	138	23.04	23.17	23.11	25.0	0.0
100	QPSK	270	0	23.03	23.09	23.05		
100	16QAM	1	1	23.09	23.11	23.04		
100	64QAM	1	1	21.71	21.76	21.79	23.5	1.5
100	256QAM	1	1	19.64	19.64	19.67	21.5	3.5
Channel				508200	518998	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	23.07	23.10	23.05	25.0	0.0
Channel				507204	518998	529996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2538.02	2592.99	2649.99		
80	QPSK	1	109	23.17	23.06	23.09	25.0	0.0
Channel				506200	518998	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	23.06	23.10	23.08	25.0	0.0
Channel				504204	518998	533996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2684.99		
50	QPSK	1	67	23.16	23.07	23.08	25.0	0.0
Channel				503202	518998	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	23.05	23.10	23.06	25.0	0.0
Channel				501204	518998	535996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	23.02	23.08	23.11	25.0	0.0
Channel				500700	518998	536498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.15	2592.99	2662.10		
15	QPSK	1	19	23.05	23.09	23.16	25.0	0.0
Channel				500202	518998	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	12	23.02	23.07	23.11	25.0	0.0



Par27O n77 PC3 Ant2 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				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PV2 BPSK	1	1	22.59	22.67	22.60	24.0	0.0	
100	PV2 BPSK	1	137	23.55	23.62	23.57			
100	PV2 BPSK	1	271	22.56	22.61	22.59	24.0	0.0	
100	PV2 BPSK	135	0	23.34	23.49	23.44			
100	PV2 BPSK	135	69	23.54	23.37	23.59	24.0	0.0	
100	PV2 BPSK	135	138	23.34	23.53	23.44			
100	PV2 BPSK	270	0	23.50	23.55	23.39	24.0	0.0	
100	QPSK	1	1	22.67	22.62	22.58			
100	QPSK	1	137	23.66	23.72	23.62	24.0	0.0	
100	QPSK	1	271	22.64	22.60	22.59			
100	QPSK	135	0	23.38	23.53	23.37	24.0	0.0	
100	QPSK	135	69	23.38	23.57	23.41			
100	QPSK	135	138	23.46	23.48	23.28	24.0	0.0	
100	QPSK	270	0	23.37	23.47	23.29			
100	16QAM	1	1	22.51	22.62	22.51	24.0	0.0	
100	64QAM	1	1	23.12	23.15	23.14			
100	256QAM	1	1	21.25	21.22	21.06	21.5	2.5	
Channel				649688	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	123	23.49	23.56	23.52	24.0	0.0	
Channel				640334	650000	659666			
Frequency (MHz)				3740.01	3840	3940.02	24.0	0.0	
80	QPSK	1	109	23.49	23.54	23.53			
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	81	23.50	23.54	23.51	24.0	0.0	
Channel				641334	650000	659666			
Frequency (MHz)				3725.01	3840	3955.02	24.0	0.0	
50	QPSK	1	67	23.52	23.55	23.53			
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	53	23.49	23.53	23.50	24.0	0.0	
Channel				647334	656000	664668			
Frequency (MHz)				3710.01	3840	3970.01	24.0	0.0	
20	QPSK	1	26	23.51	23.54	23.52			
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	19	23.52	23.55	23.50	24.0	0.0	
Channel				647000	656000	665000			
Frequency (MHz)				3705	3840	3975	24.0	0.0	
10	QPSK	1	12	23.51	23.54	23.50			

Par27O n77 PC3 Ant2 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				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PV2 BPSK	1	1	25.10	25.18	25.14	27.0	0.0	
100	PV2 BPSK	1	137	25.48	25.54	25.41			
100	PV2 BPSK	1	271	25.04	25.13	25.02	26.5	0.5	
100	PV2 BPSK	135	0	25.50	25.67	25.53			
100	PV2 BPSK	135	69	25.60	25.66	25.58	27.0	0.0	
100	PV2 BPSK	135	138	25.57	25.60	25.56			
100	PV2 BPSK	270	0	25.48	25.64	25.53	26.5	0.5	
100	QPSK	1	1	25.12	25.05	24.89			
100	QPSK	1	137	25.61	25.71	25.67	27.0	0.0	
100	QPSK	1	271	25.13	25.14	25.17			
100	QPSK	135	0	24.83	25.03	24.84	26.0	1.0	
100	QPSK	135	69	25.55	25.62	25.43			
100	QPSK	135	138	24.74	24.70	24.97	26.0	1.0	
100	QPSK	270	0	24.82	24.88	24.79			
100	16QAM	1	1	24.76	24.77	24.78	26.0	1.0	
100	64QAM	1	1	23.12	23.15	23.17			
100	256QAM	1	1	21.11	21.13	21.07	22.5	4.5	
Channel				649688	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	123	25.49	25.61	25.56	27.0	0.0	
Channel				640334	650000	659666			
Frequency (MHz)				3740.01	3840	3940.02	27.0	0.0	
80	QPSK	1	109	25.47	25.61	25.56			
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	81	25.51	25.61	25.55	27.0	0.0	
Channel				641334	650000	659666			
Frequency (MHz)				3725.01	3840	3955.02	27.0	0.0	
50	QPSK	1	67	25.49	25.61	25.56			
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	53	25.49	25.61	25.54	27.0	0.0	
Channel				647334	650000	664668			
Frequency (MHz)				3710.01	3840	3970.02	27.0	0.0	
20	QPSK	1	26	25.51	25.63	25.56			
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	19	25.49	25.54	25.54	27.0	0.0	
Channel				647000	656000	665000			
Frequency (MHz)				3705	3840	3975	27.0	0.0	
10	QPSK	1	12	25.50	25.62	25.54			

Part27Q n77 PC3 Ant2 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				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02			
100	PV2 BPSK	1	1		22.92		24.0	0.0	
100	PV2 BPSK	1	137		23.64				
100	PV2 BPSK	1	271		22.74		24.0	0.0	
100	PV2 BPSK	135	0		23.53				
100	PV2 BPSK	135	69		23.56		24.0	0.0	
100	PV2 BPSK	135	138		23.57				
100	PV2 BPSK	270	0		23.64		24.0	0.0	
100	QPSK	1	1		22.84				
100	QPSK	1	137		23.67		24.0	0.0	
100	QPSK	1	271		22.69				
100	QPSK	135	0		23.81		24.0	0.0	
100	QPSK	135	69		23.62				
100	QPSK	135	138		23.55		24.0	0.0	
100	QPSK	270	0		23.61				
100	16QAM	1	1		22.59		24.0	0.0	
100	64QAM	1	1		23.15				
100	256QAM	1	1		21.27		21.5	2.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	123	23.48	23.44	23.38	24.0	0.0	
Channel				632996	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109	23.48	23.47	23.39	24.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	81	23.46	23.45	23.39	24.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67	23.49	23.45	23.37	24.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53	23.47	23.47	23.38	24.0	0.0	
Channel				630996	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26	23.47	23.46	23.38	24.0	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3547.52			
15	QPSK	1	19	23.47	23.45	23.38	24.0	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	12	23.47	23.47	23.37	24.0	0.0	



Part27Q n77 PC2 Ant2 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				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		25.12				
100	PI/2 BPSK	1	137		25.47		27.0	0.0	
100	PI/2 BPSK	1	271		24.81				
100	PI/2 BPSK	135	0		25.36		26.5	0.5	
100	PI/2 BPSK	135	69		25.47		27.0	0.0	
100	PI/2 BPSK	135	138		25.41				
100	PI/2 BPSK	270	0		25.44		26.5	0.5	
100	QPSK	1	1		25.21				
100	QPSK	1	137		25.55		27.0	0.0	
100	QPSK	1	271		25.10				
100	QPSK	135	0		24.78		26.0	1.0	
100	QPSK	135	69		25.50		27.0	0.0	
100	QPSK	135	138		24.76		26.0	1.0	
100	QPSK	270	0		24.95				
100	16QAM	1	1		23.84		26.0	1.0	
100	64QAM	1	1		23.15		24.5	2.5	
100	256QAM	1	1		21.06		22.5	4.5	
Channel				633000	633334	633668	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	123		25.32	25.39	25.42	27.0	0.0
Channel				632668	633334	634000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109		25.33	25.37	25.41	27.0	0.0
Channel				632000	633334	634668	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	81		25.33	25.38	25.41	27.0	0.0
Channel				631668	633334	635000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67		25.32	25.41	25.41	27.0	0.0
Channel				631334	633334	635334	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53		25.34	25.41	25.43	27.0	0.0
Channel				633068	633334	633600	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26		25.34	25.40	25.43	27.0	0.0
Channel				630900	633334	636168	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3457.5	3500.01	3542.02			
15	QPSK	1	19		25.34	25.40	25.41	27.0	0.0
Channel				630334	633334	636334	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	12		25.33	25.38	25.43	27.0	0.0

Part270 n78 PC3 Ant2 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				3750					
Frequency (MHz)				650000					
100	PI/2 BPSK	1	1		22.58		24.0	0.0	
100	PI/2 BPSK	1	137		23.42				
100	PI/2 BPSK	1	271		22.51				
100	PI/2 BPSK	135	0		23.39		24.0	0.0	
100	PI/2 BPSK	135	69		23.44		24.0	0.0	
100	PI/2 BPSK	135	138		23.42		24.0	0.0	
100	PI/2 BPSK	270	0		23.37		24.0	0.0	
100	QPSK	1	1		22.55				
100	QPSK	1	137		23.46		24.0	0.0	
100	QPSK	1	271		22.56				
100	QPSK	135	0		23.39		24.0	0.0	
100	QPSK	135	69		23.44		24.0	0.0	
100	QPSK	135	138		23.43		24.0	0.0	
100	QPSK	270	0		23.42		24.0	0.0	
100	16QAM	1	1		22.55		24.0	0.0	
100	64QAM	1	1		23.04		23.5	0.5	
100	256QAM	1	1		21.03		21.5	2.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	123		23.39	23.26	23.40	24.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	109		23.37	23.25	23.41	24.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	81		23.38	23.28	23.40	24.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	67		23.37	23.27	23.43	24.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3760			
40	QPSK	1	53		23.38	23.26	23.44	24.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	26		23.38	23.25	23.42	24.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	19		23.37	23.27	23.41	24.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	12		23.37	23.26	23.41	24.0	0.0

Part270 n78 PC2 Ant2 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				3750					
Frequency (MHz)				650000					
100	PI/2 BPSK	1	1		25.14		27.0	0.0	
100	PI/2 BPSK	1	137		25.60				
100	PI/2 BPSK	1	271		25.07				
100	PI/2 BPSK	135	0		25.30				
100	PI/2 BPSK	135	69		25.58		26.5	0.5	
100	PI/2 BPSK	135	138		25.23		27.0	0.0	
100	PI/2 BPSK	270	0		25.16		26.5	0.5	
100	QPSK	1	1		25.22				
100	QPSK	1	137		25.65		27.0	0.0	
100	QPSK	1	271		25.15				
100	QPSK	135	0		25.33		26.0	1.0	
100	QPSK	135	69		25.59		27.0	0.0	
100	QPSK	135	138		24.65		26.0	1.0	
100	QPSK	270	0		24.81				
100	16QAM	1	1		24.03		26.0	1.0	
100	64QAM	1	1		23.14		24.5	2.5	
100	256QAM	1	1		21.19		22.5	4.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	123		25.52	25.37	25.49	27.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	109		25.52	25.38	25.51	27.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	81		25.52	25.37	25.48	27.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	67		25.53	25.40	25.51	27.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3760			
40	QPSK	1	53		25.51	25.38	25.52	27.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	26		25.54	25.39	25.49	27.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	19		25.53	25.38	25.50	27.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	12		25.54	25.38	25.50	27.0	0.0

Part27Q 78 PC3 Ant2 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				633334			24.0	0.0	
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		22.49		24.0	0.0	
100	PI/2 BPSK	1	137		23.31				
100	PI/2 BPSK	1	271		22.40				
100	PI/2 BPSK	135	0		23.29				
100	PI/2 BPSK	135	69		23.32		24.0	0.0	
100	PI/2 BPSK	135	138		23.31				
100	PI/2 BPSK	270	0		23.28				
100	QPSK	1	1		22.46				
100	QPSK	1	137		23.38		24.0	0.0	
100	QPSK	1	271		22.46				
100	QPSK	135	0		23.30				
100	QPSK	135	69		23.35				
100	QPSK	135	138		23.33		24.0	0.0	
100	QPSK	270	0		23.33				
100	16QAM	1	1		22.44				
100	64QAM	1	1		22.89				
100	256QAM	1	1		20.87		21.5	2.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	24.0	0.0	
90	QPSK	1	123		23.27	23.16	23.30	24.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	24.0	0.0	
80	QPSK	1	109		23.30	23.15	23.30	24.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	24.0	0.0	
60	QPSK	1	81		23.30	23.16	23.30	24.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	24.0	0.0	
50	QPSK	1	67		23.28	23.17	23.31	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	24.0	0.0	
40	QPSK	1	53		23.31	23.16	23.31	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	24.0	0.0	
20	QPSK	1	26		23.28	23.17	23.32	24.0	0.0
Channel				630900	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52	24.0	0.0	
15	QPSK	1	19		23.29	23.14	23.30	24.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01	24.0	0.0	
10	QPSK	1	12		23.27	23.17	23.31	24.0	0.0

Part27Q 78 PC2 Ant2 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				633334			27.0	0.0	
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		25.03		27.0	0.0	
100	PI/2 BPSK	1	137		25.49				
100	PI/2 BPSK	1	271		24.98				
100	PI/2 BPSK	135	0		25.21				
100	PI/2 BPSK	135	69		25.48		26.5	0.5	
100	PI/2 BPSK	135	138		25.13				
100	PI/2 BPSK	270	0		25.07				
100	QPSK	1	1		25.13				
100	QPSK	1	137		25.56		27.0	0.0	
100	QPSK	1	271		25.05				
100	QPSK	135	0		25.24				
100	QPSK	135	69		25.48				
100	QPSK	135	138		24.56		26.0	1.0	
100	QPSK	270	0		24.70				
100	16QAM	1	1		23.84				
100	64QAM	1	1		23.14				
100	256QAM	1	1		21.09		22.5	4.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	27.0	0.0	
90	QPSK	1	123		25.41	25.29	25.40	27.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	27.0	0.0	
80	QPSK	1	109		25.42	25.26	25.38	27.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	27.0	0.0	
60	QPSK	1	81		25.43	25.27	25.41	27.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	27.0	0.0	
50	QPSK	1	67		25.43	25.29	25.37	27.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	27.0	0.0	
40	QPSK	1	53		25.42	25.25	25.37	27.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	27.0	0.0	
20	QPSK	1	26		25.42	25.27	25.39	27.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52	27.0	0.0	
15	QPSK	1	19		25.41	25.27	25.39	27.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01	27.0	0.0	
10	QPSK	1	12		25.43	25.26	25.40	27.0	0.0



Par270 n77 PC3 Ant3 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				650000	650000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	22.40	22.58	22.49	24.0	0.0	
100	PI/2 BPSK	1	137	23.45	23.53	23.46			
100	PI/2 BPSK	1	271	22.35	22.52	22.49			
100	PI/2 BPSK	135	0	23.24	23.40	23.35	24.0	0.0	
100	PI/2 BPSK	135	69	23.43	23.27	23.48	24.0	0.0	
100	PI/2 BPSK	135	135	23.25	23.42	23.35	24.0	0.0	
100	PI/2 BPSK	270	0	23.40	23.44	23.29			
100	QPSK	1	1	22.37	22.50	22.46	24.0	0.0	
100	QPSK	1	137	23.56	23.61	23.53			
100	QPSK	1	271	22.31	22.49	22.37			
100	QPSK	135	0	23.27	23.43	23.28	24.0	0.0	
100	QPSK	135	69	23.28	23.49	23.33	24.0	0.0	
100	QPSK	135	135	23.35	23.37	23.20	24.0	0.0	
100	QPSK	270	0	23.25	23.37	23.18			
100	16QAM	1	1	22.31	22.33	22.32	24.0	0.0	
100	64QAM	1	1	22.81	22.85	22.83	23.5	0.5	
100	256QAM	1	1	21.26	21.15	21.13	21.5	2.5	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3745.02	3840	3935.01	(dB)	(dB)	
90	QPSK	1	123	22.95	23.25	23.05	24.0	0.0	
Channel				643334	650000	656668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3840	3940.02	(dB)	(dB)	
80	QPSK	1	109	22.96	23.21	23.20	24.0	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3730.02	3840	3950.01	(dB)	(dB)	
60	QPSK	1	81	22.99	23.11	23.22	24.0	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3840	3955.02	(dB)	(dB)	
50	QPSK	1	67	23.02	23.27	23.08	24.0	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3720	3840	3960	(dB)	(dB)	
40	QPSK	1	53	23.11	23.11	23.05	24.0	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3840	3970.02	(dB)	(dB)	
20	QPSK	1	26	23.04	23.25	23.17	24.0	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3707.62	3840	3972.61	(dB)	(dB)	
15	QPSK	1	19	23.05	23.11	23.22	24.0	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3705	3840	3975	(dB)	(dB)	
10	QPSK	1	12	23.10	23.13	23.18	24.0	0.0	

Par270 n77 PC2 Ant3 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				650000	650000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	25.58	25.67	25.63	27.0	0.0	
100	PI/2 BPSK	1	137	26.27	26.34	26.22			
100	PI/2 BPSK	1	271	25.52	25.63	25.50			
100	PI/2 BPSK	135	0	26.32	26.48	26.35	26.5	0.5	
100	PI/2 BPSK	135	69	26.39	26.47	26.36	27.0	0.0	
100	PI/2 BPSK	135	135	26.37	26.40	26.37			
100	PI/2 BPSK	270	0	26.29	26.42	26.35	26.5	0.5	
100	QPSK	1	1	25.72	25.84	25.70	27.0	0.0	
100	QPSK	1	137	26.38	26.50	26.48			
100	QPSK	1	271	25.55	25.52	25.55			
100	QPSK	135	0	25.63	25.84	25.66	26.0	1.0	
100	QPSK	135	69	26.33	26.44	26.24	27.0	0.0	
100	QPSK	135	135	25.55	25.52	25.77	26.0	1.0	
100	QPSK	270	0	25.68	25.69	25.59			
100	16QAM	1	1	25.55	25.58	25.58	26.0	1.0	
100	64QAM	1	1	23.83	23.83	23.87	24.5	2.5	
100	256QAM	1	1	21.91	21.94	21.86	22.5	4.5	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3745.02	3840	3935.01	(dB)	(dB)	
90	QPSK	1	123	26.10	26.36	26.24	27.0	0.0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3840	3940.02	(dB)	(dB)	
80	QPSK	1	109	26.21	26.41	26.22	27.0	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3730.02	3840	3950.01	(dB)	(dB)	
60	QPSK	1	81	26.20	26.31	26.24	27.0	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3840	3955.02	(dB)	(dB)	
50	QPSK	1	67	26.13	26.39	26.26	27.0	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3720	3840	3960	(dB)	(dB)	
40	QPSK	1	53	26.23	26.27	26.23	27.0	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3840	3970.02	(dB)	(dB)	
20	QPSK	1	26	26.11	26.38	26.19	27.0	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3707.62	3840	3972.61	(dB)	(dB)	
15	QPSK	1	19	26.27	26.29	26.19	27.0	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3705	3840	3975	(dB)	(dB)	
10	QPSK	1	12	26.28	26.30	26.22	27.0	0.0	

Part27Q n77 PC3 Ant3 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				633334	633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		22.73		24.0	0.0	
100	PI/2 BPSK	1	137		23.44				
100	PI/2 BPSK	1	271		22.53				
100	PI/2 BPSK	135	0	23.24	23.32	23.32	24.0	0.0	
100	PI/2 BPSK	135	69	23.37	23.37	23.37	24.0	0.0	
100	PI/2 BPSK	135	135	23.38	23.38		24.0	0.0	
100	PI/2 BPSK	270	0	23.46	23.46				
100	QPSK	1	1	22.65	22.65		24.0	0.0	
100	QPSK	1	137	23.50	23.50				
100	QPSK	1	271	22.49	22.49				
100	QPSK	135	0	23.40	23.40		24.0	0.0	
100	QPSK	135	69	23.42	23.42		24.0	0.0	
100	QPSK	135	135	23.35	23.35		24.0	0.0	
100	QPSK	270	0	23.40	23.40				
100	16QAM	1	1	22.40	22.40		24.0	0.0	
100	64QAM	1	1	22.95	22.95		23.5	0.5	
100	256QAM	1	1	21.21	21.21		21.5	2.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	123	23.28	23.27	23.19	24.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	109	23.26	23.15	23.22	24.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	81	23.22	23.20	23.28	24.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	67	23.17	23.16	23.15	24.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	53	23.11	23.10	23.29	24.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	26	23.12	23.17	23.18	24.0	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	19	23.14	23.13	23.16	24.0	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	12	23.29	23.30	23.28	24.0	0.0	



Part27Q n77 PC2 Ant3 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				633334		3500.01			
Frequency (MHz)									
100	PI/2 BPSK	1	1		25.64				
100	PI/2 BPSK	1	137		26.16		27.0		0.0
100	PI/2 BPSK	1	271		25.53				
100	PI/2 BPSK	135	0		26.06		26.5		0.5
100	PI/2 BPSK	135	69		26.17		27.0		0.0
100	PI/2 BPSK	135	138		26.09				
100	PI/2 BPSK	270	0		26.13		26.5		0.5
100	QPSK	1	1		25.91				
100	QPSK	1	137		26.24		27.0		0.0
100	QPSK	1	271		25.46				
100	QPSK	135	0		25.47		26.0		1.0
100	QPSK	135	69		26.19		27.0		0.0
100	QPSK	135	138		25.45		26.0		1.0
100	QPSK	270	0		25.64				
100	16QAM	1	1		24.65		26.0		1.0
100	64QAM	1	1		23.59		24.5		2.5
100	256QAM	1	1		21.85		22.5		4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
90	QPSK	1	123		3495	3500.01	3505.02		
					25.73	25.79	25.82		0.0
Channel				633668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
80	QPSK	1	109		3490.02	3500.01	3510		
					25.77	25.87	25.89		0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
60	QPSK	1	81		3480	3500.01	3520.02		
					25.77	25.83	25.75		0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
50	QPSK	1	67		3475.02	3500.01	3525		
					25.69	25.76	25.78		0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
40	QPSK	1	53		3470.01	3500.01	3530.01		
					25.80	25.84	25.75		0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
20	QPSK	1	26		3460.02	3500.01	3540		
					25.70	25.69	25.77		0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	19		3457.5	3500.01	3542.52		
					25.87	25.80	25.80		0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	12		3455.01	3500.01	3545.01		
					25.79	25.79	25.86		0.0

Part27O n78 PC3 Ant3 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				650000		3750			
Frequency (MHz)									
100	PI/2 BPSK	1	1		22.52				
100	PI/2 BPSK	1	137		23.49		24.0		0.0
100	PI/2 BPSK	1	271		22.57				
100	PI/2 BPSK	135	0		23.46		24.0		0.0
100	PI/2 BPSK	135	69		23.51		24.0		0.0
100	PI/2 BPSK	135	138		23.47				
100	PI/2 BPSK	270	0		23.41		24.0		0.0
100	QPSK	1	1		22.60				
100	QPSK	1	137		23.53		24.0		0.0
100	QPSK	1	271		22.62				
100	QPSK	135	0		23.45		24.0		0.0
100	QPSK	135	69		23.51		24.0		0.0
100	QPSK	135	138		23.50		24.0		0.0
100	QPSK	270	0		23.50				
100	16QAM	1	1		22.32		24.0		0.0
100	64QAM	1	1		22.93		23.5		0.5
100	256QAM	1	1		21.10		21.5		2.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
90	QPSK	1	123		3745.02	3750	3755.01		
					23.42	23.32	23.47	24.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
80	QPSK	1	109		3740.01	3750	3760.02		
					23.32	23.37	23.39	24.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
60	QPSK	1	81		3730.02	3750	3770.01		
					23.35	23.27	23.29	24.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
50	QPSK	1	67		3725.01	3750	3775.02		
					23.36	23.33	23.43	24.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
40	QPSK	1	53		3720	3750	3760		
					23.45	23.37	23.38	24.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
20	QPSK	1	26		3710.01	3750	3780.02		
					23.44	23.33	23.32	24.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	19		3707.52	3750	3762.51		
					23.32	23.28	23.37	24.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	12		3705	3750	3795		
					23.34	23.46	23.47	24.0	0.0

Part27O n78 PC2 Ant3 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				650000					
Frequency (MHz)				3750					
100	PI/2 BPSK	1	1		25.92				
100	PI/2 BPSK	1	137		26.40		27.0		0.0
100	PI/2 BPSK	1	271		25.88				
100	PI/2 BPSK	135	0		26.09		26.5		0.5
100	PI/2 BPSK	135	69		26.39		27.0		0.0
100	PI/2 BPSK	135	138		26.03				
100	PI/2 BPSK	270	0		25.97		26.5		0.5
100	QPSK	1	1		26.03				
100	QPSK	1	137		26.43		27.0		0.0
100	QPSK	1	271		25.95				
100	QPSK	135	0		26.12		26.0		1.0
100	QPSK	135	69		26.40		27.0		0.0
100	QPSK	135	138		25.45		26.0		1.0
100	QPSK	270	0		25.99				
100	16QAM	1	1		24.83		26.0		1.0
100	64QAM	1	1		23.87		24.5		2.5
100	256QAM	1	1		21.98		22.5		4.5
Channel				649668	650000	650334	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	123	26.33	26.18	26.30	27.0		0.0
Channel				649334	650000	650668	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	109	26.23	26.26	26.24	27.0		0.0
Channel				648668	650000	651334	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	81	26.31	26.17	26.33	27.0		0.0
Channel				648334	650000	651668	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	67	26.19	26.15	26.26	27.0		0.0
Channel				648000	650000	652000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3720	3750	3760			
40	QPSK	1	53	26.26	26.21	26.30	27.0		0.0
Channel				647334	650000	652668	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	26	26.21	26.27	26.28	27.0		0.0
Channel				647168	650000	652834	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	19	26.32	26.15	26.21	27.0		0.0
Channel				647000	650000	653000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	12	26.18	26.17	26.26	27.0		0.0

Part27Q 78 PC3 Ant3 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				633334	3500.01			
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	22.33				
100	PI/2 BPSK	1	137	23.12			24.0	0.0
100	PI/2 BPSK	1	271	22.27				
100	PI/2 BPSK	135	0	23.20				
100	PI/2 BPSK	135	69	23.20			24.0	0.0
100	PI/2 BPSK	135	138	23.02				
100	PI/2 BPSK	270	0	23.06			24.0	0.0
100	QPSK	1	1	22.38				
100	QPSK	1	137	23.24			24.0	0.0
100	QPSK	1	271	22.27				
100	QPSK	135	0	23.15				
100	QPSK	135	69	23.19			24.0	0.0
100	QPSK	135	138	23.07				
100	QPSK	270	0	23.12			24.0	0.0
100	16QAM	1	1	22.14			24.0	0.0
100	64QAM	1	1	22.79			23.5	0.5
100	256QAM	1	1	20.80			21.5	2.5
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	123	23.01	23.03	23.03	24.0	0.0
Channel				633068	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	109	22.99	22.98	23.00	24.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	81	22.99	22.94	22.95	24.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	67	22.90	22.90	22.94	24.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	53	22.85	23.00	22.96	24.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	26	22.87	22.94	23.05	24.0	0.0
Channel				630500	633334	636168	Tune-up limit	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)
15	QPSK	1	19	23.04	22.87	23.05	24.0	0.0
Channel				630334	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	12	23.05	22.88	22.88	24.0	0.0

Part27Q 78 PC2 Ant3 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				633334	3500.01			
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	25.68				
100	PI/2 BPSK	1	137	26.06			27.0	0.0
100	PI/2 BPSK	1	271	25.56				
100	PI/2 BPSK	135	0	25.96			26.5	0.5
100	PI/2 BPSK	135	69	26.21			27.0	0.0
100	PI/2 BPSK	135	138	25.91			26.5	0.5
100	PI/2 BPSK	270	0	25.88				
100	QPSK	1	1	25.67				
100	QPSK	1	137	26.23			27.0	0.0
100	QPSK	1	271	25.92				
100	QPSK	135	0	25.42			26.0	1.0
100	QPSK	135	69	26.20			27.0	0.0
100	QPSK	135	138	25.42			26.0	1.0
100	QPSK	270	0	25.41			26.0	1.0
100	16QAM	1	1	24.83			24.5	2.5
100	64QAM	1	1	23.57			24.5	2.5
100	256QAM	1	1	21.85			22.5	4.5
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	123	26.06	26.07	26.01	27.0	0.0
Channel				632068	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	109	25.99	25.99	26.05	27.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	81	26.11	26.09	26.09	27.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	67	25.97	26.13	26.10	27.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	53	26.14	26.10	26.00	27.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	26	26.01	26.12	26.13	27.0	0.0
Channel				630500	633334	636168	Tune-up limit	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)
15	QPSK	1	19	25.89	26.11	26.09	27.0	0.0
Channel				630334	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	12	26.03	25.96	26.12	27.0	0.0

n5 Ant4 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				166300	167300	167600	25.5	0.0
Frequency (MHz)				834	836.5	838		
20	PI/2 BPSK	1	1	23.94	24.14	24.11		
20	PI/2 BPSK	1	26	23.95	24.04	23.86	25.0	0.5
20	PI/2 BPSK	1	49	23.74	23.96	23.83		
20	PI/2 BPSK	25	0	23.47	23.64	23.50		
20	PI/2 BPSK	25	13	24.07	24.10	23.94	25.5	0.0
20	PI/2 BPSK	25	26	23.50	23.61	23.42	25.0	0.5
20	PI/2 BPSK	50	0	23.54	23.67	23.64		
20	QPSK	1	1	24.03	24.22	24.20		
20	QPSK	1	26	24.03	24.06	23.92	25.5	0.0
20	QPSK	1	49	23.82	23.96	23.74		
20	QPSK	25	0	22.92	23.13	23.02		
20	QPSK	25	13	23.87	24.08	23.86	25.5	0.0
20	QPSK	25	26	22.91	23.05	22.98	24.5	1.0
20	QPSK	50	0	22.87	23.10	22.91		
20	16QAM	1	1	22.58	22.65	22.52		
20	64QAM	1	1	21.10	21.20	21.02	23.0	2.5
20	256QAM	1	1	19.73	19.75	19.58	21.0	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.95	24.11	24.13	25.5	0.0
Channel				135600	137300	138300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826	836.5	844		
10	QPSK	1	1	24.02	24.16	24.09	25.5	0.0

n7 Ant4 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	25.5	0.0
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	24.69	24.91	24.88		
20	PI/2 BPSK	1	26	24.85	24.86	24.84	25.5	0.5
20	PI/2 BPSK	1	49	24.69	24.73	24.51		
20	PI/2 BPSK	25	0	24.36	24.44	24.37		
20	PI/2 BPSK	25	13	24.89	24.89	24.71	25.5	0.0
20	PI/2 BPSK	25	26	24.12	24.36	24.28	25.0	0.5
20	PI/2 BPSK	50	0	24.26	24.41	24.40		
20	QPSK	1	1	24.90	24.95	24.84		
20	QPSK	1	26	24.83	24.83	24.74	25.5	0.0
20	QPSK	1	49	24.74	24.84	24.63		
20	QPSK	25	0	23.79	23.92	23.85		
20	QPSK	25	13	24.65	24.76	24.59	25.5	0.0
20	QPSK	25	26	23.84	23.86	23.65	24.5	1.0
20	QPSK	50	0	23.69	23.67	23.66		
20	16QAM	1	1	23.72	23.72	23.61		
20	64QAM	1	1	22.27	22.36	22.13	23.0	2.5
20	256QAM	1	1	20.65	20.74	20.60	21.0	4.5
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	24.86	24.84	24.66	25.5	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	24.82	24.79	24.80	25.5	0.0



n38 Ant4 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)
Channel				518000	519000	520000	MPR (dB)
Frequency (MHz)				2550	2556	2610	
20	PV2 BPSK	1	1	24.31	24.47	24.48	
20	PV2 BPSK	1	26	24.21	24.36	24.25	25.5
20	PV2 BPSK	1	49	24.30	24.41	24.26	
20	PV2 BPSK	25	0	23.78	23.52	23.72	25.0
20	PV2 BPSK	25	13	24.25	24.40	24.30	25.5
20	PV2 BPSK	25	26	23.94	23.96	23.82	
20	PV2 BPSK	50	0	23.86	24.02	23.96	25.0
20	QPSK	1	1	24.36	24.51	24.23	
20	QPSK	1	26	24.33	24.45	24.07	25.5
20	QPSK	1	49	24.37	24.28	24.21	
20	QPSK	25	0	23.50	23.53	23.39	24.5
20	QPSK	25	13	24.24	24.43	24.30	25.5
20	QPSK	25	26	23.51	23.63	23.69	
20	QPSK	50	0	23.56	23.61	23.60	24.5
20	16QAM	1	1	23.60	23.57	23.54	24.5
20	64QAM	1	1	22.11	22.23	22.16	23.0
20	256QAM	1	1	20.18	20.16	20.07	21.0
Channel				515502	519000	522498	Tune-up limit (dBm)
Frequency (MHz)				2577.51	2595	2612.49	MPR (dB)
15	PV2 BPSK	1	1	24.31	24.41	24.19	25.5
Channel				513504	519000	520996	Tune-up limit (dBm)
Frequency (MHz)				2575.02	2596	2614.98	MPR (dB)
10	PV2 BPSK	1	1	24.27	24.35	24.10	25.5

n41 PC3 Ant4 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)
Channel				509202	518598	526000	MPR (dB)
Frequency (MHz)				2546.01	2592.99	2640	
100	PV2 BPSK	1	1	23.30	23.36	23.15	
100	PV2 BPSK	1	137	24.18	24.30	24.20	24.5
100	PV2 BPSK	1	271	23.42	23.54	23.43	
100	PV2 BPSK	135	0	24.05	24.14	24.00	24.5
100	PV2 BPSK	135	69	24.22	24.25	24.07	24.5
100	PV2 BPSK	135	138	24.17	24.22	24.03	
100	PV2 BPSK	270	0	24.05	24.15	24.02	24.5
100	QPSK	1	1	23.19	23.24	23.17	
100	QPSK	1	137	24.10	24.31	24.23	24.5
100	QPSK	1	271	23.40	23.42	23.41	
100	QPSK	135	0	24.05	24.07	23.98	24.5
100	QPSK	135	69	24.13	24.30	24.25	24.5
100	QPSK	135	138	24.06	24.25	24.19	
100	QPSK	270	0	23.92	24.12	24.00	24.5
100	16QAM	1	1	23.12	23.17	23.05	24.5
100	64QAM	1	1	22.76	22.83	22.76	23.0
100	256QAM	1	1	20.66	20.71	20.68	21.0
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	MPR (dB)
90	QPSK	1	123	24.04	24.22	24.11	24.5
Channel				507204	518598	527996	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	MPR (dB)
80	QPSK	1	109	24.15	24.01	24.03	24.5
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	MPR (dB)
60	QPSK	1	81	24.11	24.15	24.07	24.5
Channel				504204	518598	532996	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	MPR (dB)
50	QPSK	1	67	24.14	24.00	24.14	24.5
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	MPR (dB)
40	QPSK	1	53	24.01	24.13	24.08	24.5
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	MPR (dB)
20	QPSK	1	26	24.12	24.02	24.04	24.5
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2692.43	MPR (dB)
15	QPSK	1	19	24.17	24.16	24.01	24.5
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	MPR (dB)
10	QPSK	1	12	24.14	24.12	24.16	24.5

n41 PC2 Ant4 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)
Channel				509202	518598	526000	MPR (dB)
Frequency (MHz)				2546.01	2592.99	2640	
100	PV2 BPSK	1	1	23.21	23.44	23.25	
100	PV2 BPSK	1	137	24.66	24.78	24.75	26.0
100	PV2 BPSK	1	271	23.86	24.04	23.99	
100	PV2 BPSK	135	0	24.25	24.34	24.26	25.5
100	PV2 BPSK	135	69	24.55	24.65	24.42	26.0
100	PV2 BPSK	135	138	24.55	24.62	24.57	
100	PV2 BPSK	270	0	24.28	24.47	24.39	25.5
100	QPSK	1	1	23.40	23.47	23.30	
100	QPSK	1	137	24.60	24.83	24.79	26.0
100	QPSK	1	271	23.89	24.11	23.99	
100	QPSK	135	0	23.38	23.48	23.33	25.0
100	QPSK	135	69	24.76	24.78	24.66	26.0
100	QPSK	135	138	23.59	23.75	23.69	
100	QPSK	270	0	23.48	23.69	23.52	25.0
100	16QAM	1	1	23.49	23.64	23.63	25.0
100	64QAM	1	1	21.90	22.10	22.05	23.5
100	256QAM	1	1	20.27	20.28	20.05	21.5
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	MPR (dB)
90	QPSK	1	123	24.32	24.46	24.06	26.0
Channel				507204	518598	527996	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	MPR (dB)
80	QPSK	1	109	24.22	24.47	24.07	26.0
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	MPR (dB)
60	QPSK	1	81	24.30	24.47	24.20	26.0
Channel				504204	518598	532996	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	MPR (dB)
50	QPSK	1	67	24.21	24.39	24.07	26.0
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	MPR (dB)
40	QPSK	1	53	24.83	24.42	24.11	26.0
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	MPR (dB)
20	QPSK	1	26	24.25	24.31	24.11	26.0
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2692.43	MPR (dB)
15	QPSK	1	19	24.37	24.29	24.13	26.0
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	MPR (dB)
10	QPSK	1	12	24.34	24.31	24.09	26.0



Par270 n77 PC3 Ant5 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				656000	666000	665000	17.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	15.50	15.52	15.39	17.0	0.0	
100	PI/2 BPSK	1	137	15.49	15.48	15.38			
100	PI/2 BPSK	1	271	15.40	15.55	15.30			
100	PI/2 BPSK	135	0	15.49	15.47	15.42			
100	PI/2 BPSK	135	69	15.41	15.45	15.31	17.0	0.0	
100	PI/2 BPSK	135	138	15.39	15.43	15.36	17.0	0.0	
100	PI/2 BPSK	270	0	15.38	15.54	15.40			
100	QPSK	1	1	15.45	15.49	15.33	17.0	0.0	
100	QPSK	1	137	15.55	15.59	15.45			
100	QPSK	1	271	15.46	15.44	15.40			
100	QPSK	135	0	15.42	15.45	15.36			
100	QPSK	135	69	15.41	15.53	15.39	17.0	0.0	
100	QPSK	135	138	15.51	15.47	15.35	17.0	0.0	
100	QPSK	270	0	15.49	15.53	15.30	17.0	0.0	
100	16QAM	1	1	15.39	15.48	15.42			
100	64QAM	1	1	15.44	15.49	15.31			
100	256QAM	1	1	15.46	15.42	15.35			
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01	17.0	0.0	
90	QPSK	1	123	15.49	15.53	15.29		0.0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02	17.0	0.0	
80	QPSK	1	109	15.48	15.50	15.36		0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01	17.0	0.0	
60	QPSK	1	81	15.43	15.49	15.35		0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02	17.0	0.0	
50	QPSK	1	67	15.50	15.54	15.31		0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	17.0	0.0	
40	QPSK	1	53	15.52	15.51	15.34		0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02	17.0	0.0	
20	QPSK	1	26	15.41	15.44	15.29		0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51	17.0	0.0	
15	QPSK	1	19	15.52	15.44	15.31		0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975	17.0	0.0	
10	QPSK	1	12	15.41	15.48	15.29		0.0	

Part27Q n77 PC3 Ant5 DSI3									
BW [MHz]	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	PI2 BPSK	1	1	15.46			17.0	0.0	
100	PI2 BPSK	1	137	15.37					
100	PI2 BPSK	1	271	15.38					
100	PI2 BPSK	135	0	15.44					
100	PI2 BPSK	135	69	15.39			17.0	0.0	
100	PI2 BPSK	135	138	15.44					
100	PI2 BPSK	270	0	15.39			17.0	0.0	
100	QPSK	1	1	15.32					
100	QPSK	1	137	15.48					
100	QPSK	1	271	15.43					
100	QPSK	135	0	15.36			17.0	0.0	
100	QPSK	135	69	15.40					
100	QPSK	135	138	15.37					
100	QPSK	270	0	15.36					
100	16QAM	1	1	15.45			17.0	0.0	
100	64QAM	1	1	15.45			17.0	0.0	
100	256QAM	1	1	15.44			17.0	0.0	
Channel				633000	633334	633668	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3495	3500.01	3505.02	17.0	0.0	
90	QPSK	1	123	15.39	15.26	15.34		0.0	
Channel				632668	633334	634000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3490.02	3500.01	3510	17.0	0.0	
80	QPSK	1	109	15.35	15.29	15.40		0.0	
Channel				632000	633334	634668	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3480	3500.01	3520.02	17.0	0.0	
60	QPSK	1	81	15.27	15.24	15.44		0.0	
Channel				631668	633334	635000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3475.02	3500.01	3525	17.0	0.0	
50	QPSK	1	67	15.39	15.29	15.44		0.0	
Channel				631334	633334	635334	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3470.01	3500.01	3530.01	17.0	0.0	
40	QPSK	1	53	15.28	15.29	15.34		0.0	
Channel				630668	633334	636000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3460.02	3500.01	3540	17.0	0.0	
20	QPSK	1	26	15.37	15.24	15.43		0.0	
Channel				630500	633334	636168	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3457.5	3500.01	3542.52	17.0	0.0	
15	QPSK	1	19	15.32	15.37	15.41		0.0	
Channel				630334	633334	636334	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3455.01	3500.01	3545.01	17.0	0.0	
10	QPSK	1	12	15.32	15.37	15.34		0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000			17.0	0.0
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1		15.44		17.0	0.0
100	PI/2 BPSK	1	137		15.46			
100	PI/2 BPSK	1	271		15.44		17.0	0.0
100	PI/2 BPSK	135	0		15.42			
100	PI/2 BPSK	135	69		15.44		17.0	0.0
100	PI/2 BPSK	135	138		15.44			
100	PI/2 BPSK	270	0		15.43		17.0	0.0
100	QPSK	1	1		15.40			
100	QPSK	1	137		15.53		17.0	0.0
100	QPSK	1	271		15.50			
100	QPSK	135	0		15.42		17.0	0.0
100	QPSK	135	69		15.45			
100	QPSK	135	138		15.38		17.0	0.0
100	QPSK	270	0		15.40			
100	16QAM	0	1		15.49		17.0	0.0
100	64QAM	1	1		15.39			
100	256QAM	1	1		15.42		17.0	0.0
Channel				649668	650000	650334		
Frequency (MHz)				3745.02	3750	3755.01	17.0	0.0
90	QPSK	1	123		15.52	15.49		
Channel				649334	650000	650666	17.0	0.0
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	109		15.39	15.49	17.0	0.0
Channel				648668	650000	651334		
Frequency (MHz)				3730.02	3750	3770.01	17.0	0.0
60	QPSK	1	81		15.41	15.48		
Channel				641334	650000	651666	17.0	0.0
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	67		15.48	15.50	17.0	0.0
Channel				648000	650000	652000		
Frequency (MHz)				3720	3750	3780	17.0	0.0
40	QPSK	1	53		15.48	15.43		
Channel				647334	650000	652668	17.0	0.0
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	26		15.50	15.49	17.0	0.0
Channel				647168	650000	652834		
Frequency (MHz)				3707.52	3750	3792.51	17.0	0.0
15	QPSK	1	19		15.43	15.45		
Channel				647000	650000	653000	17.0	0.0
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	12		15.48	15.44	17.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334			17.0	0.0
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1		15.35		17.0	0.0
100	PI/2 BPSK	1	137		15.30			
100	PI/2 BPSK	1	271		15.30		17.0	0.0
100	PI/2 BPSK	135	0		15.29			
100	PI/2 BPSK	135	69		15.32		17.0	0.0
100	PI/2 BPSK	135	138		15.29			
100	PI/2 BPSK	270	0		15.29		17.0	0.0
100	QPSK	1	1		15.33			
100	QPSK	1	137		15.38		17.0	0.0
100	QPSK	1	271		15.32			
100	QPSK	135	0		15.36		17.0	0.0
100	QPSK	135	69		15.35			
100	QPSK	135	138		15.29		17.0	0.0
100	QPSK	270	0		15.30			
100	16QAM	1	1		15.36		17.0	0.0
100	64QAM	1	1		15.31			
100	256QAM	1	1		15.28		17.0	0.0
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02	17.0	0.0
90	QPSK	1	123		15.09	15.16		
Channel				632568	633334	634000	17.0	0.0
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	109		15.22	15.22	17.0	0.0
Channel				632000	633334	634668		
Frequency (MHz)				3480	3500.01	3520.02	17.0	0.0
60	QPSK	1	81		15.15	15.19		
Channel				631668	633334	635000	17.0	0.0
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67		15.12	15.27	17.0	0.0
Channel				631334	633334	635334		
Frequency (MHz)				3470.01	3500.01	3530.01	17.0	0.0
40	QPSK	1	53		15.19	15.27		
Channel				630968	633334	636000	17.0	0.0
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26		15.19	15.23	17.0	0.0
Channel				630500	633334	636168		
Frequency (MHz)				3457.52	3500.01	3542.52	17.0	0.0
15	QPSK	1	19		15.12	15.24		
Channel				630334	633334	636334	17.0	0.0
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12		15.21	15.23	17.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				656000	666000	666000	18.0	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	17.43	17.53	17.47	18.0	0.0
100	PI/2 BPSK	1	137	17.54	17.55	17.56		
100	PI/2 BPSK	1	271	17.45	17.56	17.53		
100	PI/2 BPSK	135	0	17.47	17.54	17.56		
100	PI/2 BPSK	135	69	17.43	17.52	17.51	18.0	0.0
100	PI/2 BPSK	135	138	17.45	17.53	17.56		
100	PI/2 BPSK	270	0	17.49	17.54	17.50	18.0	0.0
100	QPSK	1	1	17.45	17.47	17.49		
100	QPSK	1	137	17.49	17.57	17.49		
100	QPSK	1	271	17.46	17.46	17.44		
100	QPSK	135	0	17.52	17.52	17.50	18.0	0.0
100	QPSK	135	69	17.44	17.54	17.46		
100	QPSK	135	138	17.46	17.48	17.48	18.0	0.0
100	QPSK	270	0	17.51	17.56	17.44		
100	16QAM	1	1	17.46	17.52	17.56	18.0	0.0
100	64QAM	1	1	17.49	17.52	17.56		
100	256QAM	1	1	17.50	17.56	17.44	18.0	0.0
Channel				648668	656000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	123	17.46	17.50	17.50	18.0	0.0
Channel				648334	656000	662668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	109	17.53	17.59	17.48	18.0	0.0
Channel				648668	656000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	81	17.50	17.56	17.44	18.0	0.0
Channel				648334	656000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	67	17.50	17.57	17.49	18.0	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	53	17.41	17.54	17.53	18.0	0.0
Channel				647334	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	26	17.55	17.52	17.55	18.0	0.0
Channel				647168	656000	664834	Tune-up limit	MPR
Frequency (MHz)				3707.52	3840	3972.51	(dBm)	(dB)
15	QPSK	1	19	17.48	17.53	17.46	18.0	0.0
Channel				647000	656000	665000	Tune-up limit	MPR
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	QPSK	1	12	17.55	17.48	17.44	18.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				632000	633334	633668	18.0	0.0
Frequency (MHz)				3500.01	3500.01	3500.01		
100	PI/2 BPSK	1	1	16.47			18.0	0.0
100	PI/2 BPSK	1	137	16.46				
100	PI/2 BPSK	1	271	16.42				
100	PI/2 BPSK	135	0	16.37				
100	PI/2 BPSK	135	69	16.40			18.0	0.0
100	PI/2 BPSK	135	138	16.41				
100	PI/2 BPSK	270	0	16.40			18.0	0.0
100	QPSK	1	1	16.44				
100	QPSK	1	137	16.48				
100	QPSK	1	271	16.40				
100	QPSK	135	0	16.37			18.0	0.0
100	QPSK	135	69	16.40				
100	QPSK	135	138	16.30			18.0	0.0
100	QPSK	270	0	16.42				
100	16QAM	1	1	16.39			18.0	0.0
100	64QAM	1	1	16.44				
100	256QAM	1	1	16.37			18.0	0.0
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	123	16.38	16.46	16.39	18.0	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	109	16.33	16.37	16.29	18.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	81	16.33	16.36	16.28	18.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	67	16.34	16.39	16.36	18.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	53	16.29	16.40	16.25	18.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	26	16.25	16.40	16.25	18.0	0.0
Channel				630000	633334	636168	Tune-up limit	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)
15	QPSK	1	19	16.23	16.40	16.25	18.0	0.0
Channel				630334	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	12	16.30	16.36	16.29	18.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	PI/2 BPSK	1	1		17.52		18.0	0.0	
100	PI/2 BPSK	1	137		17.48				
100	PI/2 BPSK	1	271		17.42				
100	PI/2 BPSK	135	0		17.46		18.0	0.0	
100	PI/2 BPSK	135	69		17.46		18.0	0.0	
100	PI/2 BPSK	135	138		17.43		18.0	0.0	
100	PI/2 BPSK	270	0		17.50				
100	QPSK	1	1		17.41		18.0	0.0	
100	QPSK	1	137		17.55				
100	QPSK	1	271		17.48				
100	QPSK	135	0		17.38		18.0	0.0	
100	QPSK	135	69		17.45		18.0	0.0	
100	QPSK	135	138		17.44		18.0	0.0	
100	QPSK	270	0		17.42		18.0	0.0	
100	16QAM	0	1		17.44				
100	64QAM	1	1		17.50				
100	256QAM	1	1		17.48		18.0	0.0	
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	123		17.50	17.46	18.0	0.0	
Channel				649334	650000	650666	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	109		17.37	17.29	17.37	18.0	0.0
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	81		17.38	17.33	17.30	18.0	0.0
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	67		17.45	17.30	17.37	18.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	53		17.39	17.42	17.35	18.0	0.0
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	26		17.43	17.42	17.34	18.0	0.0
Channel				647168	650000	652834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	19		17.45	17.37	17.41	18.0	0.0
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	12		17.41	17.40	17.29	18.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		16.40		18.0	0.0	
100	PI/2 BPSK	1	137		16.31				
100	PI/2 BPSK	1	271		16.35				
100	PI/2 BPSK	135	0		16.41		18.0	0.0	
100	PI/2 BPSK	135	69		16.30				
100	PI/2 BPSK	135	138		16.38		18.0	0.0	
100	PI/2 BPSK	270	0		16.28				
100	QPSK	1	1		16.36		18.0	0.0	
100	QPSK	1	137		16.42				
100	QPSK	1	271		16.36				
100	QPSK	135	0		16.37		18.0	0.0	
100	QPSK	135	69		16.41				
100	QPSK	135	138		16.39		18.0	0.0	
100	QPSK	270	0		16.30				
100	16QAM	1	1		16.38				
100	64QAM	1	1		16.40		18.0	0.0	
100	256QAM	1	1		16.38		18.0	0.0	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	123		16.32	16.33	16.39	18.0	0.0
Channel				632968	633334	633666	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	109		16.23	16.17	16.31	18.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	81		16.20	16.24	16.24	18.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	67		16.25	16.23	16.27	18.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	53		16.24	16.29	16.31	18.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	26		16.17	16.21	16.22	18.0	0.0
Channel				630500	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	19		16.24	16.24	16.34	18.0	0.0
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	12		16.27	16.20	16.23	18.0	0.0

Reduced power level for 5G NR DSI4

n5 Ant1 DSI4									
BW [MHz]	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	22.95	23.16	23.09	24.5	0.0	
20	PI/2 BPSK	1	25	22.96	23.09	23.05			
20	PI/2 BPSK	1	49	23.00	23.12	23.17			
20	PI/2 BPSK	25	0	23.01	23.05	23.16	24.5	0.0	
20	PI/2 BPSK	25	13	22.84	23.20	23.19	24.5	0.0	
20	PI/2 BPSK	25	26	23.00	23.15	23.11	24.5	0.0	
20	PI/2 BPSK	50	0	22.90	23.06	23.09			
20	QPSK	1	1	22.80	23.22	23.08			
20	QPSK	1	25	22.90	23.12	23.10	24.5	0.0	
20	QPSK	1	49	22.81	23.16	23.09			
20	QPSK	25	0	22.94	23.10	23.05	24.5	0.0	
20	QPSK	25	13	22.95	23.21	23.13	24.5	0.0	
20	QPSK	25	26	22.86	23.06	23.10	24.5	0.0	
20	QPSK	50	0	22.89	23.19	23.02			
20	16QAM	1	1	22.80	23.09	23.00	24.5	0.0	
20	64QAM	1	1	21.30	21.78	21.68	23.0	1.5	
20	256QAM	1	1	19.74	20.26	19.98	21.0	3.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.60	23.16	22.92	24.5	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	22.62	23.19	23.01	24.5	0.0	

n7 Ant1 DSI4									
BW [MHz]	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	507000	510000			
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	18.15	18.50	18.27	19.5	0.0	
20	PI/2 BPSK	1	26	18.18	18.38	18.22			
20	PI/2 BPSK	1	49	18.20	18.36	18.32			
20	PI/2 BPSK	25	0	18.21	18.53	18.34	19.5	0.0	
20	PI/2 BPSK	25	13	18.24	18.35	18.33	19.5	0.0	
20	PI/2 BPSK	25	26	18.39	18.51	18.29	19.5	0.0	
20	PI/2 BPSK	50	0	18.28	18.54	18.29	19.5	0.0	
20	QPSK	1	1	18.39	18.55	18.23			
20	QPSK	1	26	18.36	18.44	18.41			
20	QPSK	1	49	18.16	18.33	18.34	19.5	0.0	
20	QPSK	25	0	18.28	18.33	18.28	19.5	0.0	
20	QPSK	25	13	18.33	18.51	18.25	19.5	0.0	
20	QPSK	25	26	18.31	18.43	18.24	19.5	0.0	
20	QPSK	50	0	18.36	18.46	18.25	19.5	0.0	
20	16QAM	1	1	18.35	18.46	18.43	19.5	0.0	
20	64QAM	1	1	18.22	18.36	18.37	19.5	0.0	
20	256QAM	1	1	18.18	18.35	18.43	19.5	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2569.5			
15	QPSK	1	1	18.37	18.48	18.31	19.5	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	18.24	18.44	18.41	19.5	0.0	

n38 Ant1 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				516000	518000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2590	2595	2610			
20	PI/2 BPSK	1	1	18.41	18.65	18.45	20.0	0.0	
20	PI/2 BPSK	1	26	18.38	18.56	18.63			
20	PI/2 BPSK	1	49	18.39	18.54	18.48			
20	PI/2 BPSK	25	0	18.32	18.51	18.62	20.0	0.0	
20	PI/2 BPSK	25	13	18.47	18.70	18.44	20.0	0.0	
20	PI/2 BPSK	25	26	18.54	18.68	18.50	20.0	0.0	
20	PI/2 BPSK	50	0	18.50	18.61	18.63			
20	QPSK	1	1	18.36	18.72	18.45			
20	QPSK	1	26	18.47	18.68	18.65	20.0	0.0	
20	QPSK	1	49	18.41	18.62	18.44			
20	QPSK	25	0	18.43	18.58	18.58			
20	QPSK	25	13	18.34	18.68	18.67	20.0	0.0	
20	QPSK	25	26	18.32	18.70	18.52	20.0	0.0	
20	QPSK	50	0	18.38	18.66	18.48	20.0	0.0	
20	16QAM	1	1	18.47	18.68	18.65			
20	64QAM	1	1	18.50	18.62	18.48			
20	256QAM	1	1	18.42	18.55	18.54	20.0	0.0	
Channel				515902	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	PI/2 BPSK	1	1	18.45	18.69	18.51	20.0	0.0	
Channel				515004	518000	522596	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	PI/2 BPSK	1	1	18.47	18.57	18.63	20.0	0.0	

n41 PC2&3 Ant1 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				508202	518898	528000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	18.77	18.92	18.67	19.5	0.0	
100	PI/2 BPSK	1	137	18.67	18.79	18.66			
100	PI/2 BPSK	1	271	18.74	18.90	18.55			
100	PI/2 BPSK	135	0	18.75	18.84	18.62	19.5	0.0	
100	PI/2 BPSK	135	69	18.69	18.73	18.58	19.5	0.0	
100	PI/2 BPSK	135	138	18.70	18.89	18.58	19.5	0.0	
100	PI/2 BPSK	270	0	18.76	18.94	18.67			
100	QPSK	1	1	18.59	18.85	18.65			
100	QPSK	1	137	18.74	18.95	18.53	19.5	0.0	
100	QPSK	1	271	18.79	18.87	18.57			
100	QPSK	135	0	18.61	18.81	18.57			
100	QPSK	135	69	18.77	18.84	18.58	19.5	0.0	
100	QPSK	135	138	18.78	18.75	18.67	19.5	0.0	
100	QPSK	270	0	18.75	18.80	18.67			
100	16QAM	1	1	18.77	18.82	18.65			
100	64QAM	1	1	18.72	18.76	18.70	19.5	0.0	
100	256QAM	1	1	18.65	18.92	18.72	19.5	0.0	
Channel				508200	518898	528998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	123	18.62	18.67	18.73	19.5	0.0	
Channel				507204	518898	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2649.99			
80	QPSK	1	109	18.71	18.93	18.71	19.5	0.0	
Channel				506200	518898	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	18.57	18.50	18.61	19.5	0.0	
Channel				504204	518898	533998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2684.99			
50	QPSK	1	67	18.65	18.82	18.72	19.5	0.0	
Channel				503202	518898	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	18.70	18.73	18.65	19.5	0.0	
Channel				501204	518898	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	18.78	18.86	18.67	19.5	0.0	
Channel				500700	518898	536498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.02	2592.99	2682.02			
15	QPSK	1	19	18.75	18.85	18.65	19.5	0.0	
Channel				500202	518898	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	12	18.76	18.75	18.53	19.5	0.0	

n7 Ant2 DSI4								
BW [MHz]	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	PI/2 BPSK	1	1	18.69	18.81	18.77	20.5	0.0
20	PI/2 BPSK	1	26	18.60	18.83	18.76		
20	PI/2 BPSK	1	49	18.55	18.64	18.72		
20	PI/2 BPSK	25	0	18.55	18.84	18.53		
20	PI/2 BPSK	25	13	18.70	18.82	18.76	20.5	0.0
20	PI/2 BPSK	25	26	18.51	18.70	18.62	20.5	0.0
20	PI/2 BPSK	50	0	18.76	18.67	18.64	20.5	0.0
20	QPSK	1	1	18.64	18.85	18.80		
20	QPSK	1	26	18.61	18.73	18.71		
20	QPSK	1	49	18.70	18.79	18.68		
20	QPSK	25	0	18.61	18.69	18.59	20.5	0.0
20	QPSK	25	13	18.62	18.71	18.55	20.5	0.0
20	QPSK	25	26	18.66	18.64	18.57	20.5	0.0
20	QPSK	50	0	18.64	18.70	18.82	20.5	0.0
20	16QAM	1	1	18.51	18.85	18.66	20.5	0.0
20	64QAM	1	1	18.77	18.81	18.60	20.5	0.0
20	256QAM	1	1	18.66	18.81	18.74	20.5	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	18.52	18.67	18.75	20.5	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	18.56	18.70	18.63	20.5	0.0

n38 Ant2 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				516600	518000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2590	2595	2610			
20	PI/2 BPSK	1	1	15.62	15.81	15.74	17.5	0.0	
20	PI/2 BPSK	1	26	15.55	15.80	15.66			
20	PI/2 BPSK	1	49	15.55	15.73	15.67	17.5	0.0	
20	PI/2 BPSK	25	0	15.62	15.68	15.64			
20	PI/2 BPSK	25	13	15.52	15.72	15.70	17.5	0.0	
20	PI/2 BPSK	25	26	15.63	15.80	15.81			
20	PI/2 BPSK	50	0	15.06	15.80	15.69	17.5	0.0	
20	QPSK	1	1	15.52	15.89	15.72			
20	QPSK	1	26	15.64	15.73	15.76	17.5	0.0	
20	QPSK	1	49	15.51	15.80	15.72			
20	QPSK	25	0	15.54	15.81	15.80	17.5	0.0	
20	QPSK	25	13	15.63	15.87	15.69			
20	QPSK	25	26	15.70	15.80	15.67	17.5	0.0	
20	QPSK	50	0	15.54	15.83	15.64			
20	16QAM	1	1	15.54	15.69	15.67	17.5	0.0	
20	64QAM	1	1	15.62	15.84	15.59			
20	256QAM	1	1	15.56	15.70	15.60	17.5	0.0	
Channel				515902	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49	Tune-up limit (dBm)	MPR (dB)	
15	PI/2 BPSK	1	1	15.53	15.78	15.78	17.5	0.0	
Channel				515004	519000	522596	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98	(dBm)	(dB)	
10	PI/2 BPSK	1	1	15.73	15.77	15.72	17.5	0.0	

n41 PC2&33 Ant2 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				506202	518598	528000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	17.25	17.41	17.14	18.5	0.0	
100	PI/2 BPSK	1	137	17.21	17.34	17.17			
100	PI/2 BPSK	1	271	17.30	17.35	17.22	18.5	0.0	
100	PI/2 BPSK	135	0	17.25	17.41	17.08			
100	PI/2 BPSK	135	69	17.32	17.39	17.24	18.5	0.0	
100	PI/2 BPSK	135	138	17.15	17.44	17.16			
100	PI/2 BPSK	270	0	17.34	17.43	17.14	18.5	0.0	
100	QPSK	1	1	17.34	17.34	17.15			
100	QPSK	1	137	17.12	17.46	17.18	18.5	0.0	
100	QPSK	1	271	17.31	17.41	17.19			
100	QPSK	135	0	17.33	17.30	17.13	18.5	0.0	
100	QPSK	135	69	17.16	17.38	17.18			
100	QPSK	135	138	17.32	17.27	17.12	18.5	0.0	
100	QPSK	270	0	17.30	17.52	17.18			
100	16QAM	1	1	17.29	17.32	17.31	18.5	0.0	
100	64QAM	1	1	17.22	17.30	17.28			
100	256QAM	1	1	17.22	17.27	17.10	18.5	0.0	
Channel				508200	518598	528996			
Frequency (MHz)				2541	2592.99	2644.98	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	123	17.28	17.29	17.29	18.5	0.0	
Channel				507204	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2649.99	(dBm)	(dB)	
80	QPSK	1	109	17.16	17.28	17.09	18.5	0.0	
Channel				506200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)	
60	QPSK	1	81	17.16	17.27	17.21	18.5	0.0	
Channel				504204	518598	533996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)	
50	QPSK	1	67	17.15	17.43	17.31	18.5	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)	
40	QPSK	1	53	17.22	17.40	17.16	18.5	0.0	
Channel				501204	518598	535996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)	
20	QPSK	1	26	17.30	17.31	17.20	18.5	0.0	
Channel				500700	518598	536498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.05	2592.99	2682.05	(dBm)	(dB)	
15	QPSK	1	19	17.18	17.30	17.08	18.5	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)	
10	QPSK	1	12	22.49	22.67	22.47	18.5	0.0	



Par270 n77 PC2&3 Ant2 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				656000	666000	666000	19.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	17.80	17.73	17.66	19.0	0.0	
100	PI/2 BPSK	1	137	17.59	17.71	17.69			
100	PI/2 BPSK	1	271	17.60	17.69	17.75	19.0	0.0	
100	PI/2 BPSK	135	0	17.69	17.73	17.75			
100	PI/2 BPSK	135	69	17.50	17.65	17.63	19.0	0.0	
100	PI/2 BPSK	135	138	17.55	17.77	17.62			
100	PI/2 BPSK	270	0	17.56	17.73	17.68	19.0	0.0	
100	QPSK	1	1	17.49	17.69	17.63			
100	QPSK	1	137	17.50	17.61	17.78	19.0	0.0	
100	QPSK	1	271	17.61	17.72	17.76			
100	QPSK	135	0	17.54	17.65	17.71	19.0	0.0	
100	QPSK	135	69	17.61	17.77	17.57			
100	QPSK	135	138	17.63	17.68	17.61	19.0	0.0	
100	QPSK	270	0	17.57	17.64	17.52			
100	16QAM	1	1	17.62	17.71	17.67	19.0	0.0	
100	64QAM	1	1	17.50	17.77	17.59			
100	256QAM	1	1	17.53	17.64	17.57	19.0	0.0	
Channel				648668	656000	662334		MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	123	17.61	17.60	17.63	19.0	0.0	
Channel				648334	656000	662668			
Frequency (MHz)				3740.01	3840	3940.02	19.0	0.0	
80	QPSK	1	109	17.64	17.63	17.73		0.0	
Channel				648668	656000	663334	19.0	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	81	17.58	17.75	17.57	19.0	0.0	
Channel				648334	656000	663668			
Frequency (MHz)				3725.01	3840	3955.02	19.0	0.0	
50	QPSK	1	67	17.69	17.70	17.60		0.0	
Channel				648000	656000	664000	19.0	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	53	17.65	17.80	17.76	19.0	0.0	
Channel				647334	656000	664668			
Frequency (MHz)				3710.01	3840	3970.02	19.0	0.0	
20	QPSK	1	26	17.53	17.73	17.65		0.0	
Channel				647168	656000	664834	19.0	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	19	17.68	17.50	17.62	19.0	0.0	
Channel				647000	656000	665000			
Frequency (MHz)				3705	3840	3975	19.0	0.0	
10	QPSK	1	12	17.69	17.66	17.55		0.0	

Part27Q n77 PC2&3 Ant2 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				633334			19.0	0.0	
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	17.55			19.0	0.0	
100	PI/2 BPSK	1	137	17.46					
100	PI/2 BPSK	1	271	17.46			19.0	0.0	
100	PI/2 BPSK	135	0	17.46					
100	PI/2 BPSK	135	69	17.45			19.0	0.0	
100	PI/2 BPSK	135	138	17.61					
100	PI/2 BPSK	270	0	17.63			19.0	0.0	
100	QPSK	1	1	17.49					
100	QPSK	1	137	17.65			19.0	0.0	
100	QPSK	1	271	17.54					
100	QPSK	135	0	17.45			19.0	0.0	
100	QPSK	135	69	17.46					
100	QPSK	135	138	17.45			19.0	0.0	
100	QPSK	270	0	17.55					
100	16QAM	1	1	17.63			19.0	0.0	
100	64QAM	1	1	17.53					
100	256QAM	1	1	17.52			19.0	0.0	
Channel				633000	633334	633668		Tune-up limit (dbm) MPR (db)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	123	17.41	17.51	17.41	19.0	0.0	
Channel				632668	633334	634000			
Frequency (MHz)				3490.02	3500.01	3510	19.0	0.0	
80	QPSK	1	109	17.38	17.51	17.37		0.0	
Channel				632000	633334	634668	19.0	Tune-up limit (dbm) MPR (db)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	81	17.49	17.43	17.32	19.0	0.0	
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525	19.0	0.0	
50	QPSK	1	67	17.48	17.37	17.49		0.0	
Channel				631334	633334	635334	19.0	Tune-up limit (dbm) MPR (db)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53	17.53	17.39	17.40	19.0	0.0	
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540	19.0	0.0	
20	QPSK	1	26	17.43	17.49	17.32		0.0	
Channel				630500	633334	636168	19.0	Tune-up limit (dbm) MPR (db)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	19	17.35	17.46	17.44	19.0	0.0	
Channel				630334	633334	636334			
Frequency (MHz)				3455.01	3500.01	3545.01	19.0	0.0	
10	QPSK	1	12	17.40	17.29	17.53		0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	PI/2 BPSK	1	1		17.71				
100	PI/2 BPSK	1	137		17.63		19.0	0.0	
100	PI/2 BPSK	1	271		17.75				
100	PI/2 BPSK	135	0		17.56		19.0	0.0	
100	PI/2 BPSK	135	69		17.61		19.0	0.0	
100	PI/2 BPSK	135	138		17.58				
100	PI/2 BPSK	270	0		17.62		19.0	0.0	
100	QPSK	1	1		17.60				
100	QPSK	1	137		17.76		19.0	0.0	
100	QPSK	1	271		17.63				
100	QPSK	135	0		17.56		19.0	1.0	
100	QPSK	135	69		17.69		19.0	0.0	
100	QPSK	135	138		17.68		19.0	1.0	
100	QPSK	270	0		17.61				
100	16QAM	1	1		17.56		19.0	0.0	
100	64QAM	1	1		17.63		19.0	0.0	
100	256QAM	1	1		17.58		19.0	0.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	123		17.63	17.72	17.75	19.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	109		17.45	17.68	17.70	19.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	81		17.52	17.53	17.60	19.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	67		17.58	17.62	17.70	19.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	53		17.55	17.63	17.58	19.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	26		17.46	17.55	17.59	19.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	19		17.52	17.60	17.63	19.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	12		17.49	17.57	17.60	19.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		17.45				
100	PI/2 BPSK	1	137		17.45		19.0	0.0	
100	PI/2 BPSK	1	271		17.51				
100	PI/2 BPSK	135	0		17.50		19.0	0.0	
100	PI/2 BPSK	135	69		17.48		19.0	0.0	
100	PI/2 BPSK	135	138		17.52		19.0	0.0	
100	PI/2 BPSK	270	0		17.59				
100	QPSK	1	1		17.57				
100	QPSK	1	137		17.67		19.0	0.0	
100	QPSK	1	271		17.50				
100	QPSK	135	0		17.51		19.0	1.0	
100	QPSK	135	69		17.52		19.0	0.0	
100	QPSK	135	138		17.51		19.0	1.0	
100	QPSK	270	0		17.46				
100	16QAM	1	1		17.44		19.0	0.0	
100	64QAM	1	1		17.56		19.0	0.0	
100	256QAM	1	1		17.49		19.0	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	123		17.64	17.50	17.62	19.0	0.0
Channel				632998	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109		17.57	17.49	17.45	19.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	81		17.44	17.34	17.48	19.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67		17.57	17.41	17.40	19.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53		17.56	17.42	17.30	19.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26		17.43	17.30	17.35	19.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3452.5	3500.01	3542.52			
15	QPSK	1	19		17.60	17.52	17.30	19.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	12		17.47	17.44	17.54	19.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 656000	Power Middle Ch. / Freq. 656000	Power High Ch. / Freq. 662000	Tune-up limit (dBm)	MPR (dB)
Channel				Frequency (MHz)			19.5	0.0
				3750 3840 3930				
100	PI/2 BPSK	1	1	18.80	18.79	19.16	19.5	0.0
100	PI/2 BPSK	1	137	18.76	19.12	18.80		
100	PI/2 BPSK	1	271	18.90	19.12	18.86		
100	PI/2 BPSK	135	0	19.01	19.05	18.88		
100	PI/2 BPSK	135	69	18.85	18.82	18.99	19.5	0.0
100	PI/2 BPSK	135	138	18.94	18.84	19.12	19.5	0.0
100	PI/2 BPSK	270	0	18.80	18.92	19.11		
100	QPSK	1	1	18.76	18.95	18.91		
100	QPSK	1	137	18.72	19.19	19.05		
100	QPSK	1	271	19.01	18.94	19.15	19.5	0.0
100	QPSK	135	0	18.86	18.89	18.79	19.5	0.0
100	QPSK	135	69	18.79	18.91	18.83	19.5	0.0
100	QPSK	135	138	18.82	18.86	18.90	19.5	0.0
100	QPSK	270	0	18.75	18.84	18.83	19.5	0.0
100	16QAM	1	1	18.82	18.96	19.06		
100	64QAM	1	1	18.82	19.02	18.80		
100	256QAM	1	1	18.89	19.07	18.96		
Channel				649668	656000	662334	Tune-up limit	MPR
				Frequency (MHz)			(dBm)	(dB)
				3745.02 3840 3935.01				
90	QPSK	1	123	18.78	18.95	19.08	19.5	0.0
Channel				649334	652000	652668	Tune-up limit	MPR
				Frequency (MHz)			(dBm)	(dB)
				3740.01 3840 3940.02				
80	QPSK	1	109	18.92	18.88	18.90	19.5	0.0
Channel				648668	656000	663334	Tune-up limit	MPR
				Frequency (MHz)			(dBm)	(dB)
				3730.02 3840 3950.01				
60	QPSK	1	81	18.85	18.88	19.10	19.5	0.0
Channel				643334	650000	653000	Tune-up limit	MPR
				Frequency (MHz)			(dBm)	(dB)
				3725.01 3840 3955.02				
50	QPSK	1	67	18.83	18.90	18.95	19.5	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
				Frequency (MHz)			(dBm)	(dB)
				3720 3840 3960				
40	QPSK	1	53	18.83	18.91	19.05	19.5	0.0
Channel				647334	656000	664668	Tune-up limit	MPR
				Frequency (MHz)			(dBm)	(dB)
				3710.01 3840 3970.02				
20	QPSK	1	26	18.92	18.91	18.96	19.5	0.0
Channel				647168	656000	664834	Tune-up limit	MPR
				Frequency (MHz)			(dBm)	(dB)
				3707.52 3840 3972.51				
15	QPSK	1	19	18.99	18.90	18.93	19.5	0.0
Channel				647000	656000	665000	Tune-up limit	MPR
				Frequency (MHz)			(dBm)	(dB)
				3705 3840 3975				
10	QPSK	1	12	18.98	18.89	18.97	19.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				Frequency (MHz)			19.5	0.0
				3500.01				
100	PI/2 BPSK	1	1		18.79		19.5	0.0
100	PI/2 BPSK	1	137		18.82			
100	PI/2 BPSK	1	271		18.76			
100	PI/2 BPSK	135	0		18.64			
100	PI/2 BPSK	135	69		18.82		19.5	0.0
100	PI/2 BPSK	135	138		18.70		19.5	0.0
100	PI/2 BPSK	270	0		18.80			
100	QPSK	1	1		18.65			
100	QPSK	1	137		18.83			
100	QPSK	1	271		18.70		19.5	0.0
100	QPSK	135	0		18.74		19.5	0.0
100	QPSK	135	69		18.78		19.5	0.0
100	QPSK	135	138		18.72		19.5	0.0
100	QPSK	270	0		18.71		19.5	0.0
100	16QAM	1	1		18.65			
100	64QAM	1	1		18.71			
100	256QAM	1	1		18.75			
Channel				633000	633334	633668	Tune-up limit	MPR
				Frequency (MHz)			(dBm)	(dB)
				3495 3500.01 3505.02				
90	QPSK	1	123	18.64	18.64	18.72	19.5	0.0
Channel				632998	633334	634000	Tune-up limit	MPR
				Frequency (MHz)			(dBm)	(dB)
				3490.02 3500.01 3510				
80	QPSK	1	109	18.41	18.50	18.66	19.5	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
				Frequency (MHz)			(dBm)	(dB)
				3480 3500.01 3520.02				
60	QPSK	1	81	18.62	18.41	18.57	19.5	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
				Frequency (MHz)			(dBm)	(dB)
				3475.02 3500.01 3525				
50	QPSK	1	67	18.42	18.48	18.68	19.5	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
				Frequency (MHz)			(dBm)	(dB)
				3470.01 3500.01 3550.01				
40	QPSK	1	53	18.62	18.48	18.65	19.5	0.0
Channel				630998	633334	636000	Tune-up limit	MPR
				Frequency (MHz)			(dBm)	(dB)
				3460.02 3500.01 3540				
20	QPSK	1	26	18.43	18.44	18.55	19.5	0.0
Channel				630500	633334	636168	Tune-up limit	MPR
				Frequency (MHz)			(dBm)	(dB)
				3452.5 3500.01 3542.52				
15	QPSK	1	19	18.66	18.55	18.66	19.5	0.0
Channel				630334	633334	636334	Tune-up limit	MPR
				Frequency (MHz)			(dBm)	(dB)
				3455.01 3500.01 3545.01				
10	QPSK	1	12	18.66	18.46	18.59	19.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	Pi/2 BPSK	1	1		19.01		19.5	0.0	
100	Pi/2 BPSK	1	137		19.00				
100	Pi/2 BPSK	1	271		18.94				
100	Pi/2 BPSK	135	0		18.91				
100	Pi/2 BPSK	135	69		18.86		19.5	0.0	
100	Pi/2 BPSK	135	138		18.88		19.5	0.0	
100	Pi/2 BPSK	270	0		18.90		19.5	0.0	
100	QPSK	1	1		18.86		19.5	0.0	
100	QPSK	1	137		19.05				
100	QPSK	1	271		18.83				
100	QPSK	135	0		19.00				
100	QPSK	135	69		19.01		19.5	0.0	
100	QPSK	135	138		18.90		19.5	0.0	
100	QPSK	270	0		18.92		19.5	0.0	
100	16QAM	1	1		18.84		19.5	0.0	
100	64QAM	1	1		18.92		19.5	0.0	
100	256QAM	1	1		18.90		19.5	0.0	
Channel				649688	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	123		19.00	18.84	18.86	19.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3749.01	3750	3760.02			
80	QPSK	1	109		18.95	18.89	18.94	19.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	81		18.90	18.84	18.86	19.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	67		18.84	18.88	19.00	19.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3760			
40	QPSK	1	53		18.85	18.97	18.99	19.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	26		18.61	18.87	18.91	19.5	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	19		18.84	19.03	18.97	19.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	12		18.88	18.82	18.87	19.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	Pi/2 BPSK	1	1		18.63		19.5	0.0	
100	Pi/2 BPSK	1	137		18.80				
100	Pi/2 BPSK	1	271		18.71				
100	Pi/2 BPSK	135	0		18.62				
100	Pi/2 BPSK	135	69		18.70		19.5	0.0	
100	Pi/2 BPSK	135	138		18.85		19.5	0.0	
100	Pi/2 BPSK	270	0		18.80		19.5	0.0	
100	QPSK	1	1		18.64		19.5	0.0	
100	QPSK	1	137		18.66				
100	QPSK	1	271		18.64				
100	QPSK	135	0		18.72				
100	QPSK	135	69		18.73		19.5	0.0	
100	QPSK	135	138		18.71		19.5	0.0	
100	QPSK	270	0		18.68		19.5	0.0	
100	16QAM	1	1		18.73		19.5	0.0	
100	64QAM	1	1		18.62		19.5	0.0	
100	256QAM	1	1		18.84		19.5	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	123		18.79	18.84	18.72	19.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109		18.67	18.70	18.55	19.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	81		18.67	18.70	18.60	19.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67		18.67	18.82	18.55	19.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53		18.79	18.73	18.59	19.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26		18.75	18.82	18.50	19.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	19		18.77	18.77	18.72	19.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	12		18.66	18.78	18.57	19.5	0.0

n5 Ant4 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	25.5	0.0
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	23.94	24.14	24.11		
20	PI/2 BPSK	1	26	23.95	24.04	23.86		
20	PI/2 BPSK	1	49	23.74	23.96	23.83	25.0	0.5
20	PI/2 BPSK	25	0	23.47	23.64	23.50		
20	PI/2 BPSK	25	13	24.07	24.10	23.94		
20	PI/2 BPSK	25	26	23.50	23.61	23.42		
20	PI/2 BPSK	50	0	23.54	23.67	23.64	25.0	0.5
20	QPSK	1	1	24.03	24.22	24.20		
20	QPSK	1	26	24.03	24.06	23.92		
20	QPSK	1	49	23.82	23.96	23.74		
20	QPSK	25	0	22.92	23.13	23.02	24.5	1.0
20	QPSK	25	13	23.87	24.08	23.86		
20	QPSK	25	26	22.91	23.05	22.98		
20	QPSK	50	0	22.87	23.10	22.91		
20	16QAM	1	1	22.58	22.65	22.52	24.5	1.0
20	64QAM	1	1	21.10	21.20	21.02		
20	256QAM	1	1	19.73	19.75	19.58		
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5	25.5	0.0
15	QPSK	1	1	23.95	24.11	24.13		
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844	25.5	0.0
10	QPSK	1	1	24.02	24.16	24.09		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000	25.5	0.0
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	16.95	16.96	16.84	17.5	0.0
20	PI/2 BPSK	1	26	16.85	16.88	16.78		
20	PI/2 BPSK	1	49	16.85	16.93	16.90		
20	PI/2 BPSK	25	0	16.96	16.85	16.85		
20	PI/2 BPSK	25	13	16.85	17.00	16.95	17.5	0.0
20	PI/2 BPSK	25	26	16.92	16.92	16.95		
20	PI/2 BPSK	50	0	16.97	16.82	16.75		
20	QPSK	1	1	17.01	17.08	16.86	17.5	0.0
20	QPSK	1	26	16.80	16.96	16.79		
20	QPSK	1	49	16.79	16.89	16.97		
20	QPSK	25	0	16.86	16.88	16.85		
20	QPSK	25	13	16.86	16.95	16.82	17.5	0.0
20	QPSK	25	26	16.87	17.03	16.87		
20	QPSK	50	0	16.92	16.88	16.91		
20	16QAM	1	1	16.83	16.97	16.77		
20	64QAM	1	1	16.93	16.92	16.75	17.5	0.0
20	256QAM	1	1	16.91	16.84	16.84		
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	25.5	0.0
15	QPSK	1	1	16.78	16.88	16.80		
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	25.5	0.0
10	QPSK	1	1	16.90	17.01	16.88		

n38 Ant4 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				516000	518000	522000			
Frequency (MHz)				2590	2595	2610	Tune-up limit (dBm)	MPR (dB)	
20	PI/2 BPSK	1	1	14.32	14.56	14.13	15.5	0.0	
20	PI/2 BPSK	1	26	14.33	14.47	14.30			
20	PI/2 BPSK	1	49	14.30	14.43	14.10	15.5	0.0	
20	PI/2 BPSK	25	0	14.33	14.57	14.19			
20	PI/2 BPSK	25	13	14.40	14.61	14.35	15.5	0.0	
20	PI/2 BPSK	25	26	14.35	14.53	14.19			
20	PI/2 BPSK	50	0	14.30	14.56	14.32	15.5	0.0	
20	QPSK	1	1	14.36	14.64	14.12			
20	QPSK	1	26	14.38	14.45	14.25	15.5	0.0	
20	QPSK	1	49	14.45	14.63	14.27			
20	QPSK	25	0	14.28	14.39	14.14	15.5	0.0	
20	QPSK	25	13	14.39	14.53	14.35			
20	QPSK	25	26	14.23	14.42	14.10	15.5	0.0	
20	QPSK	50	0	14.45	14.63	14.14			
20	16QAM	1	1	14.30	14.54	14.20	15.5	0.0	
20	64QAM	1	1	14.27	14.63	14.34			
20	256QAM	1	1	14.42	14.55	14.26	15.5	0.0	
Channel				515902	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	PI/2 BPSK	1	1	14.38	14.44	14.32	15.5	0.0	
Channel				515004	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	PI/2 BPSK	1	1	14.29	14.50	14.30	15.5	0.0	

n41 PC2&3 Ant4 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				506202	518998	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	14.63	14.73	14.66	16.0	0.0	
100	PI/2 BPSK	1	137	14.55	14.81	14.66			
100	PI/2 BPSK	1	271	14.51	14.62	14.87	16.0	0.0	
100	PI/2 BPSK	135	0	14.70	14.91	14.88			
100	PI/2 BPSK	135	69	14.48	14.85	14.91	16.0	0.0	
100	PI/2 BPSK	135	138	14.60	14.75	14.91			
100	PI/2 BPSK	270	0	14.67	14.70	14.90	16.0	0.0	
100	QPSK	1	1	14.63	14.81	14.92			
100	QPSK	1	137	14.70	14.94	14.71	16.0	0.0	
100	QPSK	1	271	14.72	14.68	14.81			
100	QPSK	135	0	14.48	14.81	14.70	16.0	0.0	
100	QPSK	135	69	14.66	14.88	14.83			
100	QPSK	135	138	14.58	14.74	14.80	16.0	0.0	
100	QPSK	270	0	14.61	14.64	14.73			
100	16QAM	1	1	14.68	14.85	14.86	16.0	0.0	
100	64QAM	1	1	14.54	14.87	14.82			
100	256QAM	1	1	14.62	14.78	14.67	16.0	0.0	
Channel				508200	518998	528998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	123	14.72	14.89	14.77	16.0	0.0	
Channel				507204	518998	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2649.99			
80	QPSK	1	109	14.63	14.85	14.89	16.0	0.0	
Channel				506200	518998	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	14.64	14.88	14.82	16.0	0.0	
Channel				504204	518998	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	14.55	14.76	14.72	16.0	0.0	
Channel				503202	518998	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	14.49	14.69	14.67	16.0	0.0	
Channel				501204	518998	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	14.69	14.80	14.86	16.0	0.0	
Channel				500700	518998	536498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.02	2592.99	2682.02			
15	QPSK	1	19	14.48	14.80	14.88	16.0	0.0	
Channel				500202	518998	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	12	14.60	14.78	14.92	16.0	0.0	

Par270 n77 PC3 Ant5 DSI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				656000	656000	662000	17.0	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	15.50	15.52	15.39		
100	PI/2 BPSK	1	137	15.49	15.48	15.38	17.0	0.0
100	PI/2 BPSK	1	271	15.40	15.55	15.30		
100	PI/2 BPSK	135	0	15.49	15.47	15.42		
100	PI/2 BPSK	135	69	15.41	15.45	15.31	17.0	0.0
100	PI/2 BPSK	135	138	15.39	15.43	15.36		
100	PI/2 BPSK	270	0	15.38	15.54	15.40		
100	QPSK	1	1	15.45	15.49	15.33	17.0	0.0
100	QPSK	1	137	15.55	15.59	15.45		
100	QPSK	1	271	15.46	15.44	15.40		
100	QPSK	135	0	15.42	15.45	15.36	17.0	0.0
100	QPSK	135	69	15.41	15.53	15.39		
100	QPSK	135	138	15.51	15.47	15.35		
100	QPSK	270	0	15.49	15.53	15.30	17.0	0.0
100	16QAM	1	1	15.39	15.48	15.42		
100	64QAM	1	1	15.44	15.49	15.31		
100	256QAM	1	1	15.46	15.42	15.35	17.0	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	123	15.49	15.53	15.29	17.0	0.0
Channel				649334	652000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	109	15.48	15.50	15.36	17.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	81	15.43	15.49	15.35	17.0	0.0
Channel				643334	650000	653666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	67	15.50	15.54	15.31	17.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	53	15.52	15.51	15.34	17.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	26	15.41	15.44	15.29	17.0	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	19	15.52	15.44	15.31	17.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	12	15.41	15.48	15.29	17.0	0.0

Part27Q n77 PC3 Ant5 DSI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633000	633334	635000	17.0	0.0
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1		15.46			
100	PI/2 BPSK	1	137		15.37		17.0	0.0
100	PI/2 BPSK	1	271		15.38			
100	PI/2 BPSK	135	0		15.44			
100	PI/2 BPSK	135	69		15.39		17.0	0.0
100	PI/2 BPSK	135	138		15.44			
100	PI/2 BPSK	270	0		15.39			
100	QPSK	1	1		15.32		17.0	0.0
100	QPSK	1	137		15.48			
100	QPSK	1	271		15.43			
100	QPSK	135	0		15.36		17.0	0.0
100	QPSK	135	69		15.40			
100	QPSK	135	138		15.37			
100	QPSK	270	0		15.36		17.0	0.0
100	16QAM	1	1		15.45		17.0	0.0
100	64QAM	1	1		15.45		17.0	0.0
100	256QAM	1	1		15.44		15.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	123	15.39	15.26	15.34	17.0	0.0
Channel				632968	633334	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	109	15.35	15.29	15.40	17.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	15.27	15.24	15.44	17.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	15.39	15.29	15.44	17.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	15.26	15.29	15.34	17.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26	15.37	15.24	15.43	17.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.52	3500.01	3542.52		
15	QPSK	1	19	15.32	15.37	15.41	17.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	15.32	15.37	15.34	17.0	0.0

Part27O n78 PC3 Ant5 DSI4

BW [MHz]	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		15.44		17.0	0.0	
100	Pi/2 BPSK	1	137		15.46				
100	Pi/2 BPSK	1	271		15.44				
100	Pi/2 BPSK	135	0		15.42		17.0	0.0	
100	Pi/2 BPSK	135	69		15.44		17.0	0.0	
100	Pi/2 BPSK	135	138		15.44		17.0	0.0	
100	Pi/2 BPSK	270	0		15.43				
100	QPSK	1	1		15.40		17.0	0.0	
100	QPSK	1	137		15.53				
100	QPSK	1	271		15.50				
100	QPSK	135	0		15.42		17.0	0.0	
100	QPSK	135	69		15.45		17.0	0.0	
100	QPSK	135	138		15.38		17.0	0.0	
100	QPSK	270	0		15.40				
100	16QAM	0	1		15.49		17.0	0.0	
100	64QAM	1	1		15.39		17.0	0.0	
100	256QAM	1	1		15.42		17.0	0.0	
Channel				649688	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01	17.0	0.0	
90	QPSK	1	123		15.52	15.49	15.47	17.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3749.01	3750	3760.02	17.0	0.0	
80	QPSK	1	109		15.39	15.49	15.48	17.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01	17.0	0.0	
60	QPSK	1	81		15.41	15.48	15.41	17.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02	17.0	0.0	
50	QPSK	1	67		15.48	15.50	15.47	17.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3760	17.0	0.0	
40	QPSK	1	53		15.48	15.43	15.49	17.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	17.0	0.0	
20	QPSK	1	26		15.50	15.49	15.47	17.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51	17.0	0.0	
15	QPSK	1	19		15.43	15.45	15.42	17.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	17.0	0.0	
10	QPSK	1	12		15.48	15.44	15.41	17.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	Pi/2 BPSK	1	1		15.35		24.0	0.0	
100	Pi/2 BPSK	1	137		15.30				
100	Pi/2 BPSK	1	271		15.30				
100	Pi/2 BPSK	135	0		15.29		24.0	0.0	
100	Pi/2 BPSK	135	69		15.32				
100	Pi/2 BPSK	135	138		15.29		24.0	0.0	
100	Pi/2 BPSK	270	0		15.29				
100	QPSK	1	1		15.33		24.0	0.0	
100	QPSK	1	137		15.38				
100	QPSK	1	271		15.32				
100	QPSK	135	0		15.35		24.0	0.0	
100	QPSK	135	69		15.35				
100	QPSK	135	138		15.29		24.0	0.0	
100	QPSK	270	0		15.30		24.0	0.0	
100	16QAM	1	1		15.38		24.0	0.0	
100	64QAM	1	1		15.31		24.0	0.0	
100	256QAM	1	1		15.28		22.5	1.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	24.0	0.0	
90	QPSK	1	123		15.09	15.16	15.24	24.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	24.0	0.0	
80	QPSK	1	109		15.22	15.22	15.31	24.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	24.0	0.0	
60	QPSK	1	81		15.15	15.19	15.19	24.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	24.0	0.0	
50	QPSK	1	67		15.12	15.27	15.28	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	24.0	0.0	
40	QPSK	1	53		15.19	15.27	15.21	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	24.0	0.0	
20	QPSK	1	26		15.19	15.23	15.20	24.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52	24.0	0.0	
15	QPSK	1	19		15.12	15.24	15.31	24.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01	24.0	0.0	
10	QPSK	1	12		15.21	15.23	15.29	24.0	0.0



Par270 n77 PC3 Ant6 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				656000	666000	662000	18.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	17.43	17.53	17.47	18.0	0.0	
100	PI/2 BPSK	1	137	17.54	17.55	17.56			
100	PI/2 BPSK	1	271	17.45	17.56	17.53			
100	PI/2 BPSK	135	0	17.47	17.54	17.56			
100	PI/2 BPSK	135	69	17.43	17.52	17.51	18.0	0.0	
100	PI/2 BPSK	135	138	17.45	17.53	17.56			
100	PI/2 BPSK	270	0	17.49	17.54	17.50			
100	QPSK	1	1	17.45	17.47	17.49			
100	QPSK	1	137	17.49	17.57	17.49	18.0	0.0	
100	QPSK	1	271	17.46	17.46	17.44			
100	QPSK	135	0	17.52	17.52	17.50			
100	QPSK	135	69	17.44	17.54	17.46			
100	QPSK	135	138	17.46	17.48	17.48	18.0	0.0	
100	QPSK	270	0	17.51	17.56	17.44			
100	16QAM	1	1	17.46	17.52	17.56			
100	64QAM	1	1	17.49	17.52	17.56			
100	256QAM	1	1	17.50	17.56	17.44	18.0	0.0	
Channel				648668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	123	17.46	17.50	17.50	18.0	0.0	
Channel				648334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	109	17.53	17.59	17.48	18.0	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	81	17.50	17.56	17.44	18.0	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	67	17.50	17.57	17.49	18.0	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	53	17.41	17.54	17.53	18.0	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	26	17.55	17.52	17.55	18.0	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	19	17.48	17.53	17.46	18.0	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	12	17.55	17.48	17.44	18.0	0.0	

Part27Q n77 PC3 Ant6 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel					633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		16.47		18.0	0.0	
100	PI/2 BPSK	1	137		16.46				
100	PI/2 BPSK	1	271		16.42				
100	PI/2 BPSK	135	0		16.37				
100	PI/2 BPSK	135	69		16.40		18.0	0.0	
100	PI/2 BPSK	135	138		16.41				
100	PI/2 BPSK	270	0		16.40				
100	QPSK	1	1		16.44				
100	QPSK	1	137		16.48		18.0	0.0	
100	QPSK	1	271		16.40				
100	QPSK	135	0		16.37				
100	QPSK	135	69		16.40				
100	QPSK	135	138		16.30		18.0	0.0	
100	QPSK	270	0		16.42				
100	16QAM	1	1		16.39				
100	64QAM	1	1		16.44				
100	256QAM	1	1		16.37		18.0	0.0	
Channel				633000	633334	633668	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	123	16.38	16.46	16.39	18.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109	16.33	16.37	16.29	18.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	81	16.33	16.36	16.28	18.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67	16.34	16.39	16.36	18.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53	16.29	16.40	16.25	18.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26	16.25	16.40	16.25	18.0	0.0	
Channel				630500	633334	636168	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	19	16.23	16.40	16.25	18.0	0.0	
Channel				630334	633334	636334	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	12	16.30	16.36	16.29	18.0	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	PI/2 BPSK	1	1		17.52		18.0	0.0	
100	PI/2 BPSK	1	137		17.48				
100	PI/2 BPSK	1	271		17.42				
100	PI/2 BPSK	135	0		17.46		18.0	0.0	
100	PI/2 BPSK	135	69		17.46		18.0	0.0	
100	PI/2 BPSK	135	138		17.43		18.0	0.0	
100	PI/2 BPSK	270	0		17.50				
100	QPSK	1	1		17.41		18.0	0.0	
100	QPSK	1	137		17.55				
100	QPSK	1	271		17.48				
100	QPSK	135	0		17.38		18.0	0.0	
100	QPSK	135	69		17.45		18.0	0.0	
100	QPSK	135	138		17.44		18.0	0.0	
100	QPSK	270	0		17.42		18.0	0.0	
100	16QAM	0	1		17.44				
100	64QAM	1	1		17.50				
100	256QAM	1	1		17.48		18.0	0.0	
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	123		17.50	17.46	18.0	0.0	
Channel				649334	650000	650666	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	109		17.37	17.29	17.37	18.0	0.0
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	81		17.38	17.33	17.30	18.0	0.0
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	67		17.45	17.30	17.37	18.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	53		17.39	17.42	17.35	18.0	0.0
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	26		17.43	17.42	17.34	18.0	0.0
Channel				647168	650000	652834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	19		17.45	17.37	17.41	18.0	0.0
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	12		17.41	17.40	17.29	18.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		16.40		18.0	0.0	
100	PI/2 BPSK	1	137		16.31				
100	PI/2 BPSK	1	271		16.35				
100	PI/2 BPSK	135	0		16.41		18.0	0.0	
100	PI/2 BPSK	135	69		16.30				
100	PI/2 BPSK	135	138		16.38		18.0	0.0	
100	PI/2 BPSK	270	0		16.28				
100	QPSK	1	1		16.36		18.0	0.0	
100	QPSK	1	137		16.42				
100	QPSK	1	271		16.36				
100	QPSK	135	0		16.37		18.0	0.0	
100	QPSK	135	69		16.41				
100	QPSK	135	138		16.39		18.0	0.0	
100	QPSK	270	0		16.30				
100	16QAM	1	1		16.38				
100	64QAM	1	1		16.40		18.0	0.0	
100	256QAM	1	1		16.38		18.0	0.0	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	123		16.32	16.33	16.39	18.0	0.0
Channel				632968	633334	633666	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	109		16.23	16.17	16.31	18.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	81		16.20	16.24	16.24	18.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	67		16.25	16.23	16.27	18.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	53		16.24	16.29	16.31	18.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	26		16.17	16.21	16.22	18.0	0.0
Channel				630500	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	19		16.24	16.24	16.34	18.0	0.0
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	12		16.27	16.20	16.23	18.0	0.0

WLAN/Bluetooth Power

2.4GHz WLAN				full power/receiver off		receiver on		
	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	18.80	20.50	12.52	14.00	100.00
		6	2437	19.22	21.00	12.76	14.50	
		11	2462	19.01	21.00	12.71	14.50	
	802.11g 6Mbps	1	2412	17.74	19.50		14.00	97.46
		6	2437	18.12	19.50		14.00	
		11	2462	17.97	19.50		14.00	
	802.11n-HT20 MCS0	1	2412	16.62	18.50		14.00	97.30
		6	2437	17.16	18.50		14.00	
		11	2462	16.90	18.50		14.00	

5.2GHz WLAN				full power/receiver off		receiver on		
	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	15.69	17.50		17.00	97.46
		40	5200	15.91	17.50		17.00	
		44	5220	15.79	17.50		17.00	
		48	5240	15.81	17.50		17.00	
	802.11n-HT20 MCS0	36	5180	15.81	17.50		17.00	97.28
		40	5200	15.73	17.50		17.00	
		44	5220	15.84	17.50		17.00	
		48	5240	15.72	17.50		17.00	
	802.11n-HT40 MCS0	38	5190	15.82	17.50		17.00	94.70
		46	5230	15.74	17.50		17.00	
	802.11ac-VHT20 MCS0	36	5180	15.89	17.50		17.00	97.30
		40	5200	15.81	17.50		17.00	
		44	5220	15.74	17.50		17.00	
		48	5240	15.84	17.50		17.00	
	802.11ac-VHT40 MCS0	38	5190	15.84	17.50		17.00	94.97
		46	5230	15.76	17.50		17.00	
		802.11ac-VHT80 MCS0	42	5210	16.08	17.50	15.62	17.00

5.3GHz WLAN				full power/receiver off		receiver on		
	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	16.76	18.50		17.00	97.46
		56	5280	16.71	18.50		17.00	
		60	5300	17.05	19.00		17.00	
		64	5320	16.99	18.50		17.00	
	802.11n-HT20 MCS0	52	5260	16.12	17.50		17.00	97.28
		56	5280	16.03	17.50		17.00	
		60	5300	16.03	17.50		17.00	
		64	5320	15.91	17.50		17.00	
	802.11n-HT40 MCS0	54	5270	16.11	17.50		17.00	94.70
		62	5310	15.94	17.50		17.00	
	802.11ac-VHT20 MCS0	52	5260	16.17	17.50		17.00	97.30
		56	5280	16.04	17.50		17.00	
		60	5300	15.99	17.50		17.00	
		64	5320	15.90	17.50		17.00	
	802.11ac-VHT40 MCS0	54	5270	16.06	17.50		17.00	94.97
		62	5310	15.94	17.50		17.00	
	802.11ac-VHT80 MCS0	58	5290	15.84	17.50	15.43	17.00	90.69

5.5GHz WLAN			full power/receiver off			receiver on		
	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	17.00	19.00		15.50	97.46
		116	5580	17.20	19.00		15.50	
		124	5620	16.92	18.50		15.50	
		132	5660	17.15	18.50		15.50	
		140	5700	16.81	18.50		15.50	
		144	5720	16.80	18.50		15.50	
	802.11n-HT20 MCS0	100	5500	15.83	17.50	15.50	97.28	
		116	5580	15.95	17.50	15.50		
		124	5620	15.83	17.50	15.50		
		132	5660	16.10	17.50	15.50		
		140	5700	16.17	17.50	15.50		
		144	5720	16.17	17.50	15.50		
	802.11n-HT40 MCS0	102	5510	16.17	17.50	15.50	94.70	
		110	5550	16.14	17.50	15.50		
		126	5630	15.86	17.50	15.50		
		134	5670	16.00	17.50	15.50		
		142	5710	16.20	17.50	15.50		
		142	5710	16.20	17.50	15.50		
	802.11ac-VHT20 MCS0	100	5500	15.84	17.50	15.50	97.30	
		116	5580	16.04	17.50	15.50		
		124	5620	15.80	17.50	15.50		
		132	5660	16.02	17.50	15.50		
		140	5700	16.15	17.50	15.50		
		144	5720	16.20	17.50	15.50		
	802.11ac-VHT40 MCS0	102	5510	16.17	17.50	15.50	94.97	
		110	5550	16.19	17.50	15.50		
		126	5630	15.87	17.50	15.50		
		134	5670	16.07	17.50	15.50		
		142	5710	16.22	17.50	15.50		
		142	5710	16.22	17.50	15.50		
	802.11ac-VHT80 MCS0	106	5530	16.02	17.50	13.23	14.50	90.69
		122	5610	15.98	17.50	13.64	15.00	
		138	5690	15.89	17.50	14.12	15.50	

5.8GHz WLAN				full power/receiver off		receiver on		
	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	14.86	16.50		16.00	97.46
		157	5785	15.10	16.50		16.00	
		165	5825	15.18	16.50		16.00	
	802.11n-HT20 MCS0	149	5745	14.78	16.50		16.00	97.28
		157	5785	14.94	16.50		16.00	
		165	5825	15.07	16.50		16.00	
	802.11n-HT40 MCS0	151	5755	14.95	16.50		16.00	94.70
		159	5795	15.01	16.50		16.00	
	802.11ac- VHT20 MCS0	149	5745	14.85	16.50		16.00	97.30
		157	5785	14.97	16.50		16.00	
		165	5825	15.13	16.50		16.00	
	802.11ac- VHT40 MCS0	151	5755	15.00	16.50		16.00	94.97
		159	5795	15.06	16.50		16.00	
	802.11ac- VHT80 MCS0	155	5775	14.73	16.50	14.37	16.00	90.69

BT 2.0

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	10.76	8.72	8.32
	CH 39	2441	10.63	7.90	7.53
	CH 78	2480	10.65	7.98	7.92
Tune-up Limit			12	9	9

BLE_1M

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	-3.20
	CH 19	2440	-2.22
	CH 39	2480	-2.29
Tune-up Limit			-1

BLE_2M

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	-2.86
	CH 19	2440	-2.06
	CH 39	2480	-2.22
Tune-up Limit			-1.00