

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, 1 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 %

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



Appendix E. Conducted RF Output Power Table

The detailed power tables are shown as follows.

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

GSM850 Ant0_Full Power									
TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	128	189	251		128	189	251		
	824.2	836.4	848.6		824.2	836.4	848.6		
GSM 1 Tx slot	32.52	32.27	32.21	33.50	23.52	23.27	23.21	24.50	
GPRS 1 Tx slot	32.52	32.27	32.21	33.50	23.52	23.27	23.21	24.50	
GPRS 2 Tx slots	29.72	29.46	29.37	30.00	23.72	23.46	23.37	24.00	
GPRS 3 Tx slots	28.29	28.02	27.92	29.50	24.03	23.76	23.66	25.24	
GPRS 4 Tx slots	26.57	26.32	26.18	27.50	23.57	23.32	23.18	24.50	
EDGE 1 Tx slot	25.29	25.38	25.33	27.00	16.29	16.38	16.33	18.00	
EDGE 2 Tx slots	23.54	23.76	23.74	25.00	17.54	17.76	17.74	19.00	
EDGE 3 Tx slots	22.31	22.45	22.39	24.00	18.05	18.19	18.13	19.74	
EDGE 4 Tx slots	20.21	20.43	20.30	22.00	17.21	17.43	17.30	19.00	

GSM1900 Ant0_Full Power									
TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	512	661	810		512	661	810		
	1850.2	1860	1909.8		1850.2	1860	1909.8		
GSM 1 Tx slot	30.48	30.35	30.29	30.50	21.48	21.35	21.29	21.50	
GPRS 1 Tx slot	30.48	30.35	30.29	30.50	21.48	21.35	21.29	21.50	
GPRS 2 Tx slots	26.47	26.63	26.64	27.50	20.47	20.63	20.64	21.50	
GPRS 3 Tx slots	25.42	25.61	25.23	26.50	21.16	21.35	20.97	22.24	
GPRS 4 Tx slots	23.27	22.93	22.90	24.00	20.27	19.93	19.90	21.00	
EDGE 1 Tx slot	25.18	25.27	25.16	26.50	16.18	16.27	16.16	17.50	
EDGE 2 Tx slots	23.60	23.78	23.67	24.50	17.60	17.78	17.67	18.50	
EDGE 3 Tx slots	22.48	22.66	22.56	23.50	18.22	18.40	18.30	19.24	
EDGE 4 Tx slots	20.24	20.35	20.31	21.00	17.24	17.35	17.31	18.00	

WCDMA II Ant0_Full Power									
WCDMA II									
Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V
	9282	9400	9538		1312	1413	1513		4132
	1852.4	1860	1907.8		1537	1638	1738		4182
3GPP Rel 99	23.73	23.90	23.88	25.00	23.63	23.72	23.61	25.00	24.11
3GPP Rel 99	RMC 12.2Kbps	23.79	24.02	23.94	25.00	23.78	23.86	23.66	25.00
3GPP Rel 6	HSDPA Subtest-1	23.10	23.11	23.10	24.00	23.26	23.15	22.92	24.00
3GPP Rel 6	HSDPA Subtest-2	23.11	23.15	22.82	24.00	23.21	23.15	22.93	24.00
3GPP Rel 6	HSDPA Subtest-3	22.53	22.61	22.60	23.50	22.76	22.67	22.42	23.50
3GPP Rel 6	HSDPA Subtest-4	22.59	22.64	22.60	23.50	22.74	22.70	22.41	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.95	22.97	23.05	24.00	23.16	22.99	22.82	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.07	23.02	22.73	24.00	23.11	22.99	22.79	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.47	22.52	22.39	23.50	22.54	22.55	22.39	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.39	22.48	22.57	23.50	22.58	22.51	22.33	23.50
3GPP Rel 6	HSUPA Subtest-1	23.09	23.12	23.08	24.00	23.20	23.15	22.92	24.00
3GPP Rel 6	HSUPA Subtest-2	21.12	21.09	21.08	22.00	21.20	21.15	20.96	22.00
3GPP Rel 6	HSUPA Subtest-3	22.11	22.11	22.05	23.00	22.25	22.14	21.88	23.00
3GPP Rel 6	HSUPA Subtest-4	21.10	21.12	21.10	22.00	21.25	21.15	20.89	22.00
3GPP Rel 6	HSUPA Subtest-5	23.09	23.10	23.11	24.00	23.20	23.10	22.90	24.00

WCDMA V Ant0_Full Power									
WCDMA V									
Band	WCDMA V			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)	
	4132	4182	4233		4132	4182	4233		
	836.4	836.4	846.6		836.4	836.4	846.6		
3GPP Rel 99	24.11	24.21	24.27	25.00	24.11	24.21	24.27	25.00	
3GPP Rel 99	RMC 12.2Kbps	24.17	24.35	24.32	25.00	24.17	24.35	24.32	25.00
3GPP Rel 6	HSDPA Subtest-1	23.10	23.11	23.10	24.00	23.26	23.15	22.92	24.00
3GPP Rel 6	HSDPA Subtest-2	23.11	23.15	22.82	24.00	23.21	23.15	22.93	24.00
3GPP Rel 6	HSDPA Subtest-3	22.53	22.61	22.60	23.50	22.76	22.67	22.42	23.50
3GPP Rel 6	HSDPA Subtest-4	22.59	22.64	22.60	23.50	22.74	22.70	22.41	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.95	22.97	23.05	24.00	23.16	22.99	22.82	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.07	23.02	22.73	24.00	23.11	22.99	22.79	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.47	22.52	22.39	23.50	22.54	22.55	22.39	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.39	22.48	22.57	23.50	22.58	22.51	22.33	23.50
3GPP Rel 6	HSUPA Subtest-1	23.09	23.12	23.08	24.00	23.20	23.15	22.92	24.00
3GPP Rel 6	HSUPA Subtest-2	21.12	21.09	21.08	22.00	21.20	21.15	20.96	22.00
3GPP Rel 6	HSUPA Subtest-3	22.11	22.11	22.05	23.00	22.25	22.14	21.88	23.00
3GPP Rel 6	HSUPA Subtest-4	21.10	21.12	21.10	22.00	21.25	21.15	20.89	22.00
3GPP Rel 6	HSUPA Subtest-5	23.09	23.10	23.11	24.00	23.20	23.10	22.90	24.00



Band 2 Ant0_Full Power										
BW (MHz)	Modulation	RB Size	RB Offset	Power Mod Ch / Freq	Power Mod Ch / Freq	Power Mod Ch / Freq	Time-up Int. (s)	MPE (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	23.02	23.07	23.73	24	0		
20	QPSK	1	48	23.07	23.02	23.73				
20	QPSK	1	96	22.89	22.87	22.62				
20	QPSK	50	0	23.04	23.09	23.74				
20	QPSK	24	0	23.07	23.05	23.73	24	0		
20	QPSK	50	50	23.04	23.00	22.72				
20	QPSK	100	0	23.05	23.07	23.52				
20	16QAM	50	0	22.99	22.96	23.00				
20	16QAM	1	49	23.07	22.86	22.68	24	0		
20	16QAM	1	99	23.75	23.71	22.77				
20	16QAM	50	0	22.94	22.94	22.99				
20	16QAM	50	24	23.31	22.99	22.20				
20	16QAM	50	50	22.95	22.94	22.21	24	0		
20	16QAM	100	0	22.97	22.95	22.77				
20	64QAM	1	0	22.94	22.95	22.96				
20	64QAM	1	49	23.00	22.94	22.95				
20	64QAM	50	0	22.40	22.41	22.39	24	0		
20	64QAM	50	24	22.40	22.46	22.39				
20	64QAM	50	50	22.42	22.38	22.40				
20	64QAM	100	0	22.47	22.45	22.38				
20	256QAM	1	49	19.35	19.42	19.45	20	4		
20	256QAM	1	99	19.27	19.16	19.13				
20	256QAM	50	0	19.27	19.20	19.25				
20	256QAM	50	24	19.47	19.43	19.05				
20	256QAM	50	50	19.52	19.47	19.04	20	4		
20	256QAM	100	0	19.50	19.47	19.04				
20	256QAM	100	0	19.50	19.47	19.04				
20	256QAM	100	0	19.50	19.47	19.04				
20	256QAM	100	0	19.50	19.47	19.04				
20	256QAM	100	0	19.50	19.47	19.04				
Channel										
Frequency (MHz)										
15	QPSK	1	0	23.02	22.91	22.90	24	0		
15	QPSK	1	37	23.08	22.87	22.86				
15	QPSK	1	74	22.92	22.86	22.89				
15	QPSK	36	0	23.06	23.04	22.84				
15	QPSK	36	24	23.06	23.00	22.86	24	0		
15	QPSK	36	39	23.06	22.96	22.90				
15	QPSK	75	0	23.01	22.98	23.05				
15	16QAM	1	0	22.96	22.85	22.85				
15	16QAM	1	37	22.98	22.89	22.87	24	0		
15	16QAM	1	74	22.92	22.78	22.82				
15	16QAM	36	0	23.00	23.20	23.18				
15	16QAM	36	20	22.97	22.25	22.20				
15	16QAM	75	0	22.95	22.95	22.95	24	0		
15	16QAM	75	0	22.95	22.95	22.95				
15	16QAM	75	0	22.95	22.95	22.95				
15	16QAM	75	0	22.95	22.95	22.95				
15	64QAM	1	0	22.93	22.87	22.86	24	0		
15	64QAM	1	37	22.98	22.87	22.86				
15	64QAM	1	74	22.94	22.77	22.81				
15	64QAM	36	0	22.48	22.30	22.37				
15	64QAM	36	20	22.47	22.46	22.36	24	0		
15	64QAM	36	39	22.41	22.42	22.43				
15	64QAM	75	0	22.45	22.43	22.41				
15	64QAM	75	0	22.70	22.58	22.44				
15	256QAM	1	37	19.78	19.54	19.55	20	4		
15	256QAM	1	74	19.61	19.58	19.57				
15	256QAM	36	20	19.62	19.53	19.52				
15	256QAM	36	39	19.58	19.57	19.52				
15	256QAM	75	0	19.78	19.61	19.66	20	4		
15	256QAM	75	0	19.78	19.61	19.66				
15	256QAM	75	0	19.78	19.61	19.66				
15	256QAM	75	0	19.78	19.61	19.66				
15	256QAM	75	0	19.78	19.61	19.66				
15	256QAM	75	0	19.78	19.61	19.66				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.98	22.94	22.91	24	0		
5	QPSK	1	12	23.01	22.94	22.90				
5	QPSK	1	24	23.07	22.87	22.86				
5	QPSK	12	13	23.08	23.00	23.04				
5	QPSK	12	7	23.03	23.09	23.00	24	0		
5	QPSK	25	25	23.04	22.99	23.00				
5	QPSK	36	36	23.06	22.96	22.90				
5	QPSK	75	0	23.02	22.90	22.90				
5	16QAM	1	0	23.01	22.99	22.85	24	0		
5	16QAM	1	12	23.03	22.93	22.83				
5	16QAM	1	24	23.01	22.86	22.82				
5	16QAM	12	6	23.05	23.30	23.14				
5	16QAM	25	12	23.05	23.22	23.03	24	0		
5	16QAM	36	18	23.05	23.16	23.16				
5	16QAM	75	0	23.06	23.10	23.16				
5	16QAM	75	0	23.01	23.09	23.09				
5	64QAM	1	12	23.02	23.01	22.89	24	0		
5	64QAM	1	24	23.05	23.16	22.87				
5	64QAM	12	6	23.05	23.28	23.24				
5	64QAM	25	12	23.04	23.29	23.23				
5	64QAM	36	18	23.05	23.28	23.27	24	0		
5	64QAM	75	0	23.06	23.10	23.16				
5	64QAM	75	0	23.01	23.09	23.09				
5	64QAM	75	0	23.01	23.09	23.09				
5	256QAM	1	12	23.02	23.01	22.89	20	4		
5	256QAM	1	24	23.05	23.16	22.87				
5	256QAM	12	6	23.05	23.28	23.24				
5	256QAM	25	12	23.04	23.29	23.23				
5	256QAM	36	18	23.05	23.28	23.27	20	4		
5	256QAM	75	0	23.06	23.10	23.16				
5	256QAM	75	0	23.01	23.09	23.09				
5	256QAM	75	0	23.01	23.09	23.09				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	22.90	22.87	22.84	24	0		
1.4	QPSK	1	12	23.01	22.94	22.90				
1.4	QPSK	1	14	23.07	22.87	22.86				
1.4	QPSK	8	6	22.96	22.94	22.87				
1.4	QPSK	3	0	22.99	22.94	22.90	24	0		
1.4	QPSK	3	7	22.98	22.94	22.84				
1.4	QPSK	15	6	22.94	22.89	22.81				
1.4	QPSK	15	6	22.94	22.89	22.81				
1.4	16QAM	1	0	22.90	22.89	22.81	24	0		
1.4	16QAM	1	14	22.78	22.75	22.64				
1.4	16QAM	1	14	22.78	22.75	22.64				
1.4	16QAM	8	4	22.32	22.30	22.17				
1.4	16QAM	8	4	22.32	22.30	22.17	24	0		
1.4	16QAM	8	7	22.17	22.11	22.11				
1.4	16QAM	8	7	22.13	22.13	22.13				
1.4	16QAM	1	0	22.92	22.86	22.86				
1.4	16QAM	1	8	22.98	22.82	22.81	24	0		
1.4	16QAM	1	8	22.98	22.82	22.81				
1.4	16QAM	8	4	22.46	22.43	22.28				
1.4	16QAM	8	4	22.39	22.36	22.34				
1.4	16QAM	16	0	22.93	22.90	22.84	24	0		
1.4	16QAM	16	0	22.93	22.90	22.84				
1.4	16QAM	16	0	22.93	22.90	22.84				
1.4	16QAM	16	0	22.93	22.90	22.84				
1.4	256QAM	1	14	19.40	19.36	19.42	20	4		
1.4	256QAM	1	14	19.40	19.36	19.42				
1.4	256QAM	1	14	19.40	19.36	19.42				
1.4	256QAM	8	6	19.43	19.40	19.41				
1.4	256QAM	1	14	19.40	19.36	19.42	20	4		
1.4	256QAM	1	14	19.40	19.36	19.42				
1.4	256QAM	1	14	19.40	19.36	19.42				
1.4	256QAM	8	7	19.34	19.37	19.34				
1.4	256QAM	8	7	19.34	19.37	19.34	20	4		
1.4	256QAM	8	7	19.34	19.37	19.34				
1.4	256QAM	8	7	19.34	19.37	19.34				
1.4	256QAM	8	7	19.34	19.37	19.34				
1.4	256QAM	8	7	19.34	19.37	19.34				
1.4	256QAM	8	7	19.34	19.37	19.34				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	22.81	22.91	22.90	24	0		
1.4	QPSK	1	12	22.89	22.89	22.89				
1.4	QPSK	1	6	22.85	22.79	22.80				
1.4	QPSK	3	0	22.86	22.94	22.96				
1.4	QPSK	3	0	22.86	22.94	22.96	24	0		
1.4	QPSK	3	0	22.86	22.94	22.96				
1.4	QPSK	3	0	22.86	22.94	22.96				
1.4	QPSK	3	0	22.86	22.94	22.96				
1.4	16QAM	1	0	22.80	22.89	22.91	24	0		
1.4	16QAM	1	0	22.80	22.89	22.91				
1.4	16QAM	1	0	22.80	22.89	22.91				
1.4	16QAM	1	0	22.80	22.89	22.91				
1.4	16QAM	1	0	22.80	22.89	22.91	24	0		
1.4	16QAM	1	0	22.80	22.89	22.91				
1.4	16QAM	1	0	22.80	22.89	22.91				
1.4	16QAM	1	0	22.80	22.89	22.91				
1.4	16QAM	1	0	22.80	22.89	22.91	24	0		
1.4	16QAM	1	0	22.80	22.89	22.91				
1.4	16QAM	1	0	22.80	22.89	22.91				
1.4	16QAM	1	0	22.80	22.89	22.91				
1.4	16QAM	1	0	22.80	22.89	22.91	24	0		
1.4	16QAM	1	0	22.80	22.89	22.91				
1.4	16QAM	1	0	22.80	22.89	22.91				
1.4	16QAM	1								



Band 12 Ant0_Full Power									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Turn-up Int. (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.06	23.19	23.98			
10	QPSK	1	25	23.05	23.10	23.15			
10	QPSK	1	49	23.12	23.13	23.11		24	0
10	QPSK	25	0	23.04	23.15	23.08			
10	QPSK	25	12	23.14	23.09	23.12			
10	QPSK	25	25	23.14	23.06	22.98		24	0
10	QPSK	50	0	22.86	23.13	23.08			
10	16QAM	1	0	22.09	22.91	23.01			
10	16QAM	1	25	23.04	23.03	23.10		24	0
10	16QAM	1	49	23.06	23.08	23.10			
10	16QAM	25	0	22.92	22.95	22.95			
10	16QAM	25	12	22.95	22.98	22.95		24	0
10	16QAM	25	25	22.95	22.97	22.92			
10	16QAM	50	0	22.61	22.97	22.95			
10	16QAM	1	0	22.98	22.97	23.01			
10	64QAM	1	25	23.04	23.12	23.15		24	0
10	64QAM	1	49	23.08	23.06	23.13			
10	64QAM	25	0	22.92	22.93	22.99			
10	64QAM	25	12	22.93	22.97	22.91		24	0
10	64QAM	25	25	22.94	22.97	22.91			
10	64QAM	50	0	22.61	22.99	22.95			
10	256QAM	1	25	19.46	19.54	19.45		20	4
10	256QAM	1	49	19.53	19.53	19.58			
10	256QAM	25	0	19.46	19.54	19.45			
10	256QAM	25	12	19.47	19.54	19.58		20	4
10	256QAM	25	25	19.52	19.43	19.45			
10	256QAM	50	0	19.05	19.54	19.45			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.80	23.03	22.77			
5	QPSK	1	12	23.02	23.04	23.12		24	0
5	QPSK	1	24	22.93	23.08	23.13			
5	QPSK	12	0	22.84	22.99	22.99			
5	QPSK	12	7	22.99	22.99	22.95		24	0
5	QPSK	12	13	22.96	23.07	22.78			
5	QPSK	25	0	22.82	23.04	22.99			
5	QPSK	1	0	22.85	22.74	22.93			
5	16QAM	1	12	22.82	22.97	23.00		24	0
5	16QAM	1	24	22.99	23.01	23.12			
5	16QAM	12	0	22.94	22.15	22.98		24	0
5	16QAM	12	7	22.44	22.46	22.32			
5	16QAM	12	13	22.45	22.45	22.32		24	0
5	16QAM	25	0	22.97	22.17	22.25			
5	16QAM	1	0	22.72	22.81	22.86		24	0
5	64QAM	1	12	22.85	22.98	22.95			
5	64QAM	1	24	23.00	22.98	23.05		24	0
5	64QAM	12	0	22.48	22.36	22.42			
5	64QAM	12	13	22.45	22.45	22.32		24	0
5	64QAM	12	13	22.05	22.09	22.45			
5	64QAM	25	0	22.44	22.52	22.80			
5	256QAM	1	12	19.51	19.51	19.52		20	4
5	256QAM	1	24	19.44	19.48	19.58			
5	256QAM	12	0	19.43	19.49	19.51			
5	256QAM	12	7	19.43	19.49	19.51		20	4
5	256QAM	12	13	19.46	19.35	19.34			
5	256QAM	25	0	19.05	19.43	19.35			
Channel									
Frequency (MHz)									
3	QPSK	1	0	22.71	22.94	22.78			
3	QPSK	1	8	22.82	22.89	23.04		24	0
3	QPSK	1	14	22.92	22.91	22.80			
3	QPSK	8	0	22.96	23.08	22.95			
3	QPSK	8	4	22.86	22.97	22.80		24	0
3	QPSK	8	7	22.95	22.80	22.84			
3	QPSK	16	0	22.71	22.82	22.87			
3	16QAM	1	0	22.14	21.82	21.85			
3	16QAM	1	8	22.84	22.90	22.87		24	0
3	16QAM	1	14	22.93	22.84	22.79			
3	16QAM	8	0	22.76	22.24	22.25			
3	16QAM	8	4	22.28	22.08	22.22		24	0
3	16QAM	8	7	22.37	22.37	22.25			
3	16QAM	16	0	22.26	22.22	22.10			
3	64QAM	1	0	22.80	22.78	22.87		24	0
3	64QAM	1	8	22.79	22.98	23.00			
3	64QAM	1	14	22.77	22.98	22.93			
3	64QAM	8	0	22.34	22.21	22.37			
3	64QAM	8	4	22.36	22.40	22.48		24	0
3	64QAM	8	7	22.41	22.50	22.55			
3	64QAM	15	0	22.45	22.40	22.34			
3	256QAM	1	0	19.43	19.60	19.26			
3	256QAM	1	8	19.42	19.53	19.59		20	4
3	256QAM	1	14	19.53	19.52	19.44			
3	256QAM	8	0	19.26	19.45	19.50			
3	256QAM	8	4	19.44	19.43	19.56		20	4
3	256QAM	8	7	19.51	19.39	19.26			
3	256QAM	15	0	19.29	19.61	19.38			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	22.82	22.99	23.11			
1.4	QPSK	1	3	22.96	23.00	23.18		24	0
1.4	QPSK	1	5	22.90	22.93	23.07			
1.4	QPSK	3	0	22.98	23.01	23.10			
1.4	QPSK	3	1	22.97	23.04	23.18			
1.4	QPSK	3	3	22.97	23.00	23.12		24	0
1.4	QPSK	6	0	22.98	23.06	23.16			
1.4	16QAM	1	0	22.94	23.14	23.18			
1.4	16QAM	1	3	22.98	23.05	23.17		24	0
1.4	16QAM	1	5	22.93	23.01	23.13			
1.4	16QAM	3	0	22.76	22.81	22.91			
1.4	16QAM	3	1	22.77	22.78	22.89		24	0
1.4	16QAM	3	3	22.73	22.79	22.91			
1.4	16QAM	6	0	22.59	22.45	22.58		24	0
1.4	64QAM	1	0	22.92	22.94	23.12			
1.4	64QAM	1	3	23.01	22.97	23.10		24	0
1.4	64QAM	1	5	22.83	22.91	23.03			
1.4	64QAM	3	0	22.85	22.93	23.05			
1.4	64QAM	3	1	22.87	22.90	23.04		24	0
1.4	64QAM	3	3	22.86	22.88	23.01			
1.4	64QAM	6	0	22.50	22.56	22.70		24	0
1.4	256QAM	1	0	19.37	19.58	19.39			
1.4	256QAM	1	3	19.48	19.61	19.53		20	4
1.4	256QAM	1	5	19.57	19.53	19.56			
1.4	256QAM	3	0	19.36	19.62	19.35			
1.4	256QAM	3	1	19.56	19.57	19.49		20	4
1.4	256QAM	3	3	19.51	19.56	19.38			
1.4	256QAM	6	0	19.37	19.54	19.35		20	4

Band 13 Ant0_Full Power									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Turn-up Int. (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.88	22.84	22.74			
10	QPSK	1	25	22.85	22.88	22.82		24	0
10	QPSK	1	49	22.76	22.76	22.39			
10	QPSK	25	0	22.47	22.41	22.87			
10	QPSK	25	12	22.87	22.81	22.93		24	0
10	QPSK	25	25	22.32	22.98	22.23			
10	QPSK	50	0	22.38	22.16	22.42			
10	16QAM	1	0	22.99	22.30	22.92			
10	16QAM	1	25	22.49	22.99	22.76		24	0
10	16QAM	1	49	21.81	21.79	21.82			
10	16QAM	25	0	21.54	21.45	21.79		23	1
10	16QAM	25	12	21.32	21.48	21.73			
10	16QAM	25	25	21.42	21.20	21.64			
10	16QAM	1	0	22.84	22.42	22.52		24	0
10	64QAM	1	25	21.61	21.40	21.62			
10	64QAM	1	49	21.67	21.50	21.35		23	1
10	64QAM	25	0	21.43	21.19	21.64			
10	256QAM	1	25	19.50	19.48	19.42			
10	256QAM	1	49	19.38	19.44	19.35		20	4
10	256QAM	1	24	19.30	19.30	19.33			
10	256QAM	12	0	19.53	19.51	19.38			
10	256QAM	12	7	19.52	19.54	19.50		20	4
10	256QAM	12	13	19.47	19.48	19.51			
10	256QAM	25	0	19.47	19.48	19.51			

Band 14 Ant0_Full Power									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Turn-up Int. (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	23.75					
10	QPSK	1	25	23.28				24	0
10	QPSK	1	49	23.32					
10	QPSK	25	0	22.79					
10	QPSK	25	12	22.63				23	1
10	QPSK	25	25	22.77					
10	QPSK	50	0	22.37					
10	QPSK	50	1	22.59				23	1
10	QPSK	50	25	22.79					
10	QPSK	1	49	22.37					
10	QPSK	25	2	21.93					
10	QPSK	25	26	21.68					
10	QPSK	25	25	21.83				22	2
10	QPSK	50	0	21.42					
10	QPSK	50	26	22.36					
10	QPSK	1	26	22.71				23	1
10	QPSK	1	49	22.31					
10	QPSK	25	1	21.89					
10	QPSK	25	12	21.67				23	1
10	QPSK	25	25	21.81					
10	QPSK	50	26	21.40					
10	25QPSK	1	0	19.78					
10	25QPSK	1	25	19.77				20	4
10	25QPSK	1	49	19.80					
10	25QPSK	25	0	19.17					
10	25QPSK	25	12	19.04				20	4
10	25QPSK	25	25	19.18					
10	25QPSK	50	0	18.87					
Channel									
Frequency (MHz)									
20	QPSK	1	0	23.05	23.05	23.05			
20	QPSK	1	25	22.63	22.63	22.63			
5	QPSK	1	12	23.51	23.51	23.58		24	0
5	QPSK	1	25	23.49	23.49	23.57			
5	QPSK	12	22	22.68	22.60	22.49			
5	QPSK	12	7	22.71	22.54	22.56			
5	QPSK	12	19	22.73	22.53	22.54		23	1
5	QPSK	25	22	22.66	22.49	22.47			
5	QPSK	1	0	22.74	22.78	22.80			
5	QPSK	1	25	22.78	22.78	22.81		23	1
5	QPSK	1	24	22.68	22.78	22.77			
5	QPSK	12	0	21.74	21.57	21.50			
5	QPSK	12	12	21.84	21.43	21.61			
5	QPSK	12	11	21.64	21.51	21.62		22	2
5	QPSK	25	0	21.73	21.66	21.59			
5	QPSK	1	1	22.73	22.59	22.79			
5	QPSK	12	12	22.60	22.47	22.44		23	1
5	QPSK	1	24	22.61	22.84	22.87			
5	QPSK	1	25	22.68	22.82	22.87			
5	QPSK	12	21	21.59	21.81	21.62		23	1
5	QPSK	12	19	21.85	21.49	21.60			
5	QPSK	25	0	21.75	21.77	21.77			
5	QPSK	25	0	19.63	19.66	19.78			
5	25QPSK	1	12	19.88	19.80	19.82		20	4
5	25QPSK	1	24	19.86	19.82	19.84			
5	25QPSK	12	12	19.82	19.82	19.88			
5	25QPSK	12	7	19.80	19.81	19.85			
5	25QPSK	12	19	19.52	19.86	19.89			
5	25QPSK	19	18	19.68	19.82	19.84			

Band 25 Ant0_Full Power														
RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq. 26450	Power Middle Ch./Freq. 26450	Power High Ch./Freq. 26450	Turn-up time (dBm)	MPR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	23.14	23.26	23.12	24	0						
40	QPSK	1	49	23.15	23.14	23.13								
20	QPSK	1	99	23.01	23.05	23.00								
20	QPSK	50	0	23.15	23.24	23.16								
20	QPSK	24	0	23.14	23.15	23.15	24	0						
20	QPSK	50	50	23.19	23.21	23.19								
20	QPSK	100	0	23.21	23.25	23.13								
20	HQAM	1	0	23.00	23.01	23.00								
20	HQAM	1	49	23.16	23.15	23.21	24	0						
20	HQAM	1	99	22.94	23.00	23.06								
20	HQAM	50	0	22.42	22.44	22.38								
20	HQAM	50	24	22.51	22.54	22.38								
20	HQAM	50	50	22.48	22.46	22.43	24	0						
20	HQAM	100	0	22.46	22.48	22.38								
20	HQAM	1	0	23.05	23.12	23.05								
20	HQAM	1	49	23.17	23.22	23.14								
20	HQAM	1	99	22.95	22.99	23.07	24	0						
20	HQAM	50	0	22.62	22.61	22.57								
20	HQAM	50	24	22.68	22.71	22.58								
20	HQAM	50	50	22.61	22.66	22.56								
20	25GQAM	1	0	19.65	19.67	19.45	20	4						
20	25GQAM	1	49	19.55	19.65	19.56								
20	25GQAM	1	99	19.45	19.55	19.43								
20	25GQAM	50	0	19.43	19.45	19.43								
20	25GQAM	50	24	19.43	19.45	19.57								
20	25GQAM	50	50	19.60	19.56	19.57								
20	25GQAM	100	0	19.63	19.67	19.54								
Channel														
Frequency (MHz)														
15	QPSK	1	0	18.57	18.60	18.57	24	0						
15	QPSK	1	37	23.01	23.16	23.02								
15	QPSK	1	74	22.86	23.00	22.88								
15	QPSK	36	0	23.03	23.04	22.89								
15	QPSK	36	0	23.06	23.12	23.16	24	0						
15	QPSK	36	36	23.05	23.04	23.02								
15	QPSK	75	0	23.21	23.15	23.12								
15	HQAM	1	0	22.90	23.02	22.81								
15	HQAM	1	37	23.16	22.99	23.16	24	0						
15	HQAM	1	74	22.97	22.97	22.96								
15	HQAM	36	0	22.93	22.97	22.88								
15	HQAM	36	36	22.38	22.39	22.32								
15	HQAM	75	0	22.94	22.90	22.88	24	0						
15	HQAM	1	0	22.84	22.91	22.89								
15	HQAM	1	37	22.73	22.86	22.91								
15	HQAM	1	74	22.73	22.86	22.91								
15	HQAM	36	0	22.53	22.57	22.57	24	0						
15	HQAM	36	36	22.56	22.56	22.56								
15	HQAM	75	0	22.52	22.53	22.48								
15	HQAM	75	0	22.45	22.55	22.47								
15	25GQAM	1	0	19.55	19.56	19.50	20	4						
15	25GQAM	1	37	19.53	19.54	19.48								
15	25GQAM	1	74	19.34	19.47	19.45								
15	25GQAM	1	99	19.51	19.52	19.53								
15	25GQAM	36	0	19.51	19.54	19.50	20	4						
15	25GQAM	36	36	19.50	19.54	19.50								
15	25GQAM	36	74	19.50	19.48	19.47								
15	25GQAM	75	0	19.51	19.54	19.45								
Channel														
Frequency (MHz)														
10	QPSK	1	0	22.46	22.58	22.59	24	0						
10	QPSK	1	25	22.55	22.56	22.54								
10	QPSK	1	49	22.84	22.88	22.95								
10	QPSK	25	0	22.08	22.10	22.09								
10	QPSK	25	12	22.08	23.14	23.17	24	0						
10	QPSK	25	25	23.03	23.12	23.03								
10	QPSK	50	0	23.22	23.24	23.27								
10	QPSK	50	0	23.14	23.07	23.06								
10	HQAM	1	25	23.17	23.07	23.20	24	0						
10	HQAM	1	49	22.95	22.95	22.95								
10	HQAM	25	0	22.31	22.31	22.24								
10	HQAM	25	12	22.35	22.48	22.30								
10	HQAM	50	0	22.35	22.48	22.29	24	0						
10	HQAM	1	0	22.96	23.00	23.02								
10	HQAM	1	25	23.01	23.12	23.15								
10	HQAM	1	49	22.78	23.01	23.08								
10	HQAM	25	0	22.46	22.52	22.52	24	0						
10	HQAM	25	12	22.47	22.53	22.52								
10	HQAM	25	25	22.48	22.52	22.50								
10	HQAM	50	0	22.58	22.62	22.42								
10	25GQAM	1	0	19.50	19.53	19.50	20	4						
10	25GQAM	1	25	19.55	19.47	19.50								
10	25GQAM	1	49	19.30	19.41	19.47								
10	25GQAM	25	0	19.45	19.55	19.45								
10	25GQAM	25	12	19.43	19.58	19.52	20	4						
10	25GQAM	25	25	19.45	19.50	19.54								
10	25GQAM	50	0	19.47	19.75	19.61								
10	25GQAM	50	0	19.47	19.75	19.61								
Channel														
Frequency (MHz)														
5	QPSK	1	0	23.04	23.13	23.13	24	0						
5	QPSK	1	12	23.11	22.93	22.94								
5	QPSK	1	24	22.86	22.97	23.01								
5	QPSK	12	0	23.04	23.04	23.06								
5	QPSK	12	7	22.97	23.01	22.99	24	0						
5	QPSK	12	13	23.08	23.11	22.88								
5	QPSK	25	0	23.06	23.07	23.07								
5	HQAM	1	0	22.83	22.83	23.01								
5	HQAM	1	12	23.10	22.93	23.20	24	0						
5	HQAM	1	24	22.85	22.87	22.80								
5	HQAM	12	0	22.40	22.29	22.28								
5	HQAM	12	7	22.38	22.44	22.23								
5	HQAM	12	13	22.37	22.37	22.30	24	0						
5	HQAM	25	0	22.47	22.37	22.28								
5	HQAM	1	0	22.87	22.95	22.85								
5	HQAM	1	12	23.13	23.03	23.08								
5	HQAM	1	24	22.72	22.83	22.90	24	0						
5	HQAM	12	0	22.52	22.62	22.51								
5	HQAM	12	7	22.63	22.55	22.60								
5	HQAM	12	13	22.48	22.63	22.58								
5	HQAM	25	0	22.54	22.52	22.40	20	4						
5	25GQAM	1	0	19.40	19.63	19.57								
5	25GQAM	1	12	19.59	19.62	19.48								
5	25GQAM	1	24	19.38	19.51	19.37								
5	25GQAM	12	0	19.45	19.56	19.49	20	4						
5	25GQAM	12	7	19.53	19.62	19.53								
5	25GQAM	12	13	19.55	19.51	19.57								
5	25GQAM	25	0	19.52	19.48	19.58								
Channel														
Frequency (MHz)														
3	QPSK	1	0	18.57	18.60	18.57	24	0						
3	QPSK	1	0	22.83	22.95	22.94								
3	QPSK	1	8	22.96	23.08	22.98								
3	QPSK	1	24	22.72	22.97	23.02								
3	QPSK	8	0	23.06	23.14	23.05	24	0						
3	QPSK	8	8	22.97	23.05	22.95								
3	QPSK	8	16	22.89	23.03	22.93								
3	QPSK	15	0	23.08	23.06	22.91								
3	HQAM	1	0	22.85	22.85	23.03	24	0						
3	HQAM	1	8	22.95	22.97	22.97								
3	HQAM	1	16	22.74	22.78	22.98								
3	HQAM	8	0	22.24	22.42	22.15								
3	HQAM	8	7	22.38	22.28	22.30	24	0						
3	HQAM	8	15	22.35	22.25	22.24								
3	HQAM	1	0	22.93	22.94	22.80								
3	HQAM	8	8	22.97	22.93	22.82								
3	HQAM	8	0	22.54	22.37	22.37	20	4						
3	HQAM	8	8	22.56	22.41	22.36								
3	HQAM	8	16	22.44	22.34	22.32								
3	HQAM	16	0	22.36	22.52	22.47								
3	25GQAM	1	0	19.63	19.76	19.64	20	4						
3	25GQAM	1	8	19.78	19.82	19.63								
3	25GQAM	1	16	19.53	19.66	19.50								
3	25GQAM	1	24	19.31	19.46	19.30								
3	25GQAM	8	0	19.64	19.50	19.45	20	4						
3	25GQAM	8	8	19.68	19.49	19.43								
3	25GQAM	8	16	19.49	19.68	19.63								
3	25GQAM	15	0	19.58	19.58	19.58								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	22.98	23.17	22.98	24	0						
1.4	QPSK	1	8	22.92	23.02	23.02								
1.4	QPSK	1	16	22.71	22.78	22.60								
1.4	QPSK	3	0	22.91	23.08	22.96								
1.4	QPSK	3	0	22.94	23.05	22.94	24	0						
1.4	QPSK	3	8	22.97	23.05	22.95								
1.4	QPSK	3	16	22.89	23.03	22.93								
1.4	QPSK	15	0	23.08	23.06	22.91								
1.4	HQAM	1	0	22.85	22.85	23.03	24	0						
1.4	HQAM	1	8	22.95	22.97	22.97								
1.4	HQAM	1	16	22.74	22.78	22.98								
1.4	HQAM	8	0	22.24	22.27	22.24								
1.4	HQAM	8	7	22.25	22.21	22.17	24	0						
1.4	HQAM	8	15	22.28	22.18	22.21								
1.4	HQAM	1	0	22.93	22.94	22.80								
1.4	HQAM	8	8	22.97	22.93	22.82								
1.4	HQAM	8	0	22.54	22.37	22.37	20	4						
1.4	HQAM	8	8	22.56	22.43	22.36								
1.4	HQAM	8	16	22.44	22.34	22.32								
1.4	HQAM	16	0	22.36	22.53	22.52								
1.4	25GQAM	1	0	19.61	19.68	19.61	20	4						
1.4	25GQAM	1	8	19.45	19.54	19.52								
1.4	25GQAM	1	16	19.30	19.43	19.47								
1.4	25GQAM	1	24	19.54	19.58	19.56								
1.4	25GQAM	3	0	19.50	19.64	19.49	20	4						
1.4	25GQAM	3	8	19.52	19.55	19.51								
1.4	25GQAM	3	16	19.38	19.53	19.37								



Band 66 Ant0_Full Power																		
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mids Ch./Freq.	Power Hgh Ch./Freq.	Tune-up (dB)	MRR (dB)										
Channel																		
Frequency (MHz)																		
20	QPSK	1	0	23.20	23.26	23.06	24	0										
20	QPSK	1	49	23.20	23.14	23.13												
20	QPSK	1	99	23.08	22.98	22.99												
20	QPSK	50	0	23.18	23.25	23.09												
20	QPSK	50	24	23.07	23.11	23.09	24	0										
20	QPSK	50	50	23.18	23.04	23.09												
20	QPSK	100	0	23.12	23.23	23.06												
20	16QAM	1	0	23.08	23.08	22.99												
20	16QAM	1	49	23.15	23.01	22.99	24	0										
20	16QAM	1	99	22.95	22.85	22.88												
20	16QAM	50	0	22.95	22.97	22.92												
20	16QAM	50	24	22.48	22.31	22.30												
20	16QAM	50	50	22.49	22.23	22.21	24	0										
20	64QAM	1	0	23.11	23.05	22.93												
20	64QAM	1	49	23.18	23.05	23.01												
20	64QAM	50	0	22.70	22.47	22.49												
20	64QAM	50	24	22.89	22.51	22.51	24	0										
20	64QAM	50	50	22.58	22.42	22.48												
20	64QAM	100	0	22.63	22.49	22.47												
20	256QAM	1	0	19.86	19.78	19.87												
20	256QAM	1	49	19.95	19.94	19.80	24	0										
20	256QAM	1	99	19.84	19.78	19.71												
20	256QAM	50	0	19.87	19.85	19.85												
20	256QAM	50	24	19.78	19.94	20.00												
20	256QAM	50	50	19.77	19.95	19.91	20	4										
20	256QAM	100	0	19.88	19.93	19.77												
Channel																		
Frequency (MHz)																		
15	QPSK	1	0	23.08	23.22	22.91	24	0										
15	QPSK	1	25	23.02	23.13	22.93												
15	QPSK	1	49	23.07	22.92	22.80												
15	QPSK	26	0	23.03	23.06	22.89												
15	QPSK	26	12	23.02	22.89	23.01	24	0										
15	QPSK	26	25	23.04	23.05	22.90												
15	QPSK	90	0	23.06	23.08	22.97												
15	16QAM	1	0	22.98	23.03	22.91												
15	16QAM	1	25	23.08	22.94	22.97	24	0										
15	16QAM	1	49	22.99	22.99	22.87												
15	16QAM	26	0	22.29	22.14	22.21												
15	16QAM	26	12	22.30	22.21	22.28												
15	16QAM	26	24	22.31	22.23	22.14	24	0										
15	16QAM	50	0	22.44	22.23	22.20												
15	64QAM	1	0	22.97	23.04	22.84												
15	64QAM	1	25	23.00	22.99	22.85												
15	64QAM	1	49	23.02	22.93	22.78	24	0										
15	64QAM	26	0	22.53	22.48	22.30												
15	64QAM	26	9	22.48	22.49	22.37												
15	64QAM	26	25	22.41	22.24	22.42												
15	64QAM	50	0	22.48	22.40	22.29	20	4										
15	256QAM	1	0	19.92	19.95	19.94												
15	256QAM	1	25	19.94	19.95	19.84												
15	256QAM	1	49	19.77	19.85	19.89												
15	256QAM	26	0	19.78	19.87	19.87	20	4										
15	256QAM	26	12	19.92	19.95	19.94												
15	256QAM	26	25	19.95	19.95	19.86												
15	256QAM	50	0	19.81	19.77	19.83												
Channel																		
Frequency (MHz)																		
5	QPSK	1	0	22.94	23.03	22.74	24	0										
5	QPSK	1	12	23.05	22.83	22.80												
5	QPSK	1	24	22.83	22.80	22.89												
5	QPSK	12	0	23.06	23.07	22.89												
5	QPSK	12	7	22.95	23.01	22.97	24	0										
5	QPSK	12	13	23.09	22.77	22.90												
5	16QAM	1	0	23.08	23.06	22.83												
5	16QAM	1	0	22.97	22.91	22.81												
5	16QAM	1	24	22.71	22.67	22.60	24	0										
5	16QAM	12	0	22.29	22.01	22.04												
5	16QAM	12	7	22.14	22.18	22.13												
5	16QAM	12	13	22.11	22.14	22.07												
5	16QAM	26	0	22.30	22.07	22.09	24	0										
5	16QAM	26	7	22.35	22.06	22.09												
5	16QAM	1	12	22.96	22.77	22.73												
5	16QAM	1	12	22.96	22.77	22.73												
5	16QAM	12	0	22.93	22.75	22.70	24	0										
5	16QAM	12	7	22.81	22.20	22.33												
5	16QAM	12	13	22.97	22.80	22.80												
5	16QAM	26	0	22.52	22.23	22.23												
5	256QAM	1	0	19.81	19.80	19.82	20	4										
5	256QAM	1	12	19.85	19.85	19.85												
5	256QAM	1	24	19.83	19.85	19.85												
5	256QAM	12	0	19.95	19.95	19.95												
5	256QAM	12	7	19.95	19.95	19.95	20	4										
5	256QAM	12	13	19.92	19.84	19.91												
5	256QAM	25	0	19.86	19.96	19.87												
Channel																		
Frequency (MHz)																		
3	QPSK	1	0	22.94	23.02	22.74			24	0								
3	QPSK	1	14	22.94	23.06	22.93												
3	QPSK	8	0	22.89	23.03	22.93												
3	QPSK	8	7	22.95	22.98	22.92												
3	QPSK	8	7	22.95	22.98	22.93	24	0										
3	QPSK	15	0	23.03	22.92	22.84												
3	QPSK	8	7	22.95	22.98	22.92												
3	16QAM	1	0	22.85	22.86	22.81												
3	16QAM	1	14	22.75	22.88	22.80	24	0										
3	16QAM	1	14	22.75	22.88	22.80												
3	16QAM	8	4	22.59	22.98	22.13												
3	16QAM	8	7	22.14	22.98	22.13												
3	16QAM	8	7	22.21	22.94	22.14	24	0										
3	16QAM	8	7	22.85	22.83	22.83												
3	16QAM	8	7	22.90	22.87	22.83												
3	16QAM	8	7	22.91	22.87	22.87												
3	16QAM	8	7	22.91	22.87	22.87	24	0										
3	16QAM	16	0	22.34	22.38	22.33												
3	16QAM	16	0	22.34	22.38	22.33												
3	16QAM	16	0	22.34	22.38	22.33												
3	16QAM	1	0	19.90	19.96	19.96	20	4										
3	16QAM	1	14	19.99	19.79	19.96												
3	16QAM	1	14	19.99	19.79	19.96												
3	16QAM	1	14	19.99	19.79	19.96												
3	16QAM	8	4	19.82	19.88	19.84	20	4										
3	16QAM	8	4	19.82	19.88	19.84												
3	16QAM	8	4	19.83	19.84	19.81												
3	16QAM	8	4	19.83	19.84	19.81												
3	16QAM	8	4	19.83	19.84	19.81												
3	16QAM	8	4	19.83	19.84	19.81												
Channel																		
Frequency (MHz)																		
1.4	QPSK	1	0	22.99	22.99	23.08	24	0										
1.4	QPSK	1	0	22.99	22.99	23.08												
1.4	QPSK	1	8	23.01	23.03	23.13												
1.4	QPSK	3	0	23.12	23.08	23.04												
1.4	QPSK	3	0	23.15	23.02	23.01	24	0										
1.4	QPSK	3	0	23.20	23.05	23.01												
1.4	16QAM	1	0	22.97	22.99	23.01												
1.4	16QAM	1	3	23.06	23.10	23.05												
1.4	16QAM	3	0	22.15	23.00	23.00	24	0										
1.4	16QAM	3	0	22.38	22.23	22.40												
1.4	16QAM	3	0	22.31	22.24	22.24												
1.4	16QAM	3	0	22.18	22.33	22.30												
1.4	16QAM	1	0	22.97	23.03	23.04	24	0										
1.4	16QAM	1	0	22.97	23.03	23.04												
1.4	16QAM	1	8	22.98	22.97	22.99												
1.4	16QAM	3	0	22.41	22.27	22.39												
1.4	16QAM	3	0	22.14	22.29	22.32	24	0										
1.4	16QAM	3	0	22.56	22.58	22.57												
1.4	16QAM	3	0	22.49	22.63	22.61												
1.4	16QAM	3	0	22.87	22.87	22.87												
1.4	16QAM	3	0	19.86	19.93	19.88	20	4										
1.4	16QAM	3	0	19.82	19.89	19.84												
1.4	16QAM	3	0	19.79	19.84	19.86												
1.4	16QAM	3	0	19.83	19.84	19.81												
1.4	16QAM	3	0	19.79	19.85	19.85												
1.4	16QAM	3	0	19.83	19.85	19.85												



Band 38 Ant0_Full Power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPE (dB)	
Channel									
Frequency (MHz)				37965	38000	38160			
20	QPSK	1	0	23.59	23.60	23.61			
20	QPSK	1	48	23.73	23.85	23.80	24	0	
20	QPSK	1	88	23.75	23.81	23.82			
20	QPSK	50	0	23.59	23.67	23.62			
20	QPSK	50	24	23.75	23.77	23.46	24	0	
20	QPSK	50	48	23.74	23.71	23.17			
20	HQAM	100	0	23.73	23.84	23.72			
20	HQAM	1	0	23.49	23.89	23.84	24	0	
20	HQAM	1	48	23.74	23.82	23.85			
20	HQAM	1	96	23.80	23.89	23.87			
20	HQAM	50	24	23.67	23.67	23.65	24	0	
20	HQAM	50	50	23.66	23.57	23.20			
20	HQAM	100	0	23.74	23.74	23.16			
20	BAGAM	1	0	23.51	23.54	23.55			
20	BAGAM	1	48	23.66	23.75	23.81	24	0	
20	BAGAM	1	96	23.85	23.83	23.82			
20	BAGAM	50	0	22.86	22.97	23.05			
20	BAGAM	50	24	23.04	23.06	23.10	24	0	
20	BAGAM	50	50	23.07	23.13	23.17			
20	BAGAM	100	0	23.00	23.01	23.17			
20	256QAM	1	0	20.03	20.27	20.08			
20	256QAM	1	48	20.13	20.21	20.27	21	3	
20	256QAM	1	96	20.06	20.30	20.26			
20	256QAM	50	0	20.06	20.22	20.12			
20	256QAM	50	24	20.09	20.13	20.34	21	3	
20	256QAM	50	50	20.23	20.25	20.18			
20	256QAM	100	0	20.17	20.20	20.18			
Channel									
Frequency (MHz)				37975	38000	38175	Tune-up limit (dBm)	MPE (dB)	
15	QPSK	1	13	0	23.65	23.45	23.72		
15	QPSK	1	37	23.87	23.87	23.36	24	0	
15	QPSK	1	74	23.54	23.79	23.37			
15	QPSK	36	0	23.52	23.84	23.69			
15	QPSK	36	20	23.66	23.70	23.73	24	0	
15	QPSK	75	0	23.42	23.88	23.77			
15	QPSK	75	0	23.73	23.71	23.68			
15	HQAM	1	0	23.45	23.53	23.44	24	0	
15	HQAM	1	37	23.60	23.51	23.95			
15	HQAM	1	74	23.71	23.78	23.70			
15	HQAM	36	0	22.76	23.01	22.84			
15	HQAM	36	20	23.02	23.02	23.18	24	0	
15	HQAM	36	36	23.00	23.11	23.06			
15	HQAM	75	0	22.79	22.83	23.10			
15	HQAM	75	0	22.86	22.79	23.05			
15	BAGAM	1	37	23.53	23.89	23.73	24	0	
15	BAGAM	1	74	23.68	23.62	23.81			
15	BAGAM	36	0	22.86	22.79	23.05			
15	BAGAM	36	20	23.02	23.01	23.17	24	0	
15	BAGAM	75	0	22.83	22.85	23.25			
15	256QAM	1	0	19.91	20.39	20.05	21	3	
15	256QAM	1	37	20.06	20.10	20.16			
15	256QAM	1	74	20.19	20.11	20.22			
15	256QAM	36	0	20.07	20.34	20.16	21	3	
15	256QAM	36	20	20.08	20.15	20.19			
15	256QAM	36	36	20.26	20.15	20.19			
15	256QAM	75	0	20.05	20.13	20.24			
Channel									
Frequency (MHz)				23.75	23.75	23.75	Tune-up limit (dBm)	MPE (dB)	
10	QPSK	1	0	23.67	23.67	23.67	24	0	
10	QPSK	1	25	23.87	23.78	23.87			
10	QPSK	1	48	23.60	23.61	23.69			
10	QPSK	25	0	23.65	23.65	23.65	24	0	
10	QPSK	25	12	23.69	23.74	23.75			
10	QPSK	25	25	23.71	23.85	23.83			
10	HQAM	1	0	23.61	23.67	23.62	24	0	
10	HQAM	1	25	23.66	23.82	23.85			
10	HQAM	1	48	23.76	23.84	23.66			
10	HQAM	25	0	22.78	22.84	22.74			
10	HQAM	25	12	23.08	22.86	23.11			
10	HQAM	25	25	23.01	23.02	23.11	24	0	
10	HQAM	50	0	22.87	22.85	23.10			
10	BAGAM	1	0	23.42	23.64	23.60			
10	BAGAM	1	25	23.44	23.67	23.74	24	0	
10	BAGAM	1	48	23.66	23.61	23.75			
10	BAGAM	25	0	22.83	22.89	23.01			
10	BAGAM	25	12	22.96	23.04	23.02	24	0	
10	BAGAM	25	25	22.94	23.15	23.16			
10	BAGAM	50	0	22.89	22.86	23.16			
10	256QAM	1	0	20.01	20.31	20.16	21	3	
10	256QAM	1	25	20.02	20.32	20.34			
10	256QAM	1	48	20.21	20.15	20.15			
10	256QAM	25	0	20.07	20.24	20.21	21	3	
10	256QAM	25	12	20.06	20.22	20.04			
10	256QAM	25	25	20.17	20.15	20.12			
10	256QAM	50	0	20.19	20.35	20.07			
Channel									
Frequency (MHz)				257.5	257.5	257.5	Tune-up limit (dBm)	MPE (dB)	
5	QPSK	1	0	23.33	23.60	23.54	24	0	
5	QPSK	1	12	23.44	23.54	23.60			
5	QPSK	1	24	23.60	23.69	23.63			
5	QPSK	12	0	23.45	23.60	23.62	24	0	
5	QPSK	12	7	23.48	23.61	23.74			
5	QPSK	12	13	23.49	23.69	23.81			
5	HQAM	1	0	23.42	23.48	23.53			
5	HQAM	1	12	23.54	23.44	23.65	24	0	
5	HQAM	1	24	23.55	23.61	23.78			
5	HQAM	12	0	22.71	22.76	22.74			
5	HQAM	12	7	22.96	22.80	22.86	24	0	
5	HQAM	12	13	22.80	22.86	23.00			
5	HQAM	25	0	22.78	22.84	23.02			
5	HQAM	25	12	23.22	23.35	23.87	24	0	
5	BAGAM	1	0	23.49	23.47	23.66			
5	BAGAM	1	24	23.49	23.61	23.59			
5	BAGAM	12	0	22.76	22.75	22.92	24	0	
5	BAGAM	12	7	22.86	22.86	23.08			
5	BAGAM	12	13	22.82	22.89	23.08			
5	BAGAM	25	0	22.86	22.72	23.06			
5	256QAM	1	0	20.09	20.32	20.02			
5	256QAM	1	12	20.05	20.27	20.20	21	3	
5	256QAM	1	24	20.11	20.33	20.27			
5	256QAM	12	0	19.88	20.27	20.08			
5	256QAM	12	7	20.22	20.11	20.14	21	3	
5	256QAM	12	13	20.14	20.31	20.13			
5	256QAM	25	0	20.17	20.22	20.18			

Band 41 Ant0_PC3_Full Power										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPE (dB)
Channel										
Frequency (MHz)				39790	40185	40620	41008	41480		
20	QPSK	1	0	23.65	23.46	23.52	23.50	23.44		
20	QPSK	1	48	23.63	23.59	23.70	23.80	23.74	24	0
20	QPSK	1	96	23.60	23.50	23.75	23.64	23.78		
20	QPSK	50	0	23.42	23.32	23.62	23.38	23.43		
20	QPSK	50	24	23.45	23.30	23.43	23.58	23.41	24	0
20	QPSK	50	48	23.40	23.34	23.38	23.44	23.41		
20	QPSK	100	0	23.42	23.33	23.51	23.45	23.40		
20	16QAM	1	0	23.19	23.13	23.34	23.21	23.36		
20	16QAM	1	48	23.36	23.34	23.45	23.50	23.65		
20	16QAM	1	96	23.19	23.15	23.38	23.18	23.42		
20	16QAM	50	24	22.47	22.34	22.40	22.26	22.45	24	
20	16QAM	50	48	22.47	22.38	22.46	22.39	22.65		
20	16QAM	50	50	22.42	22.37	22.49	22.40	22.54		
20	16QAM	100	0	22.42	22.36	22.42	22.47	22.51		
20	64QAM	1	0	21.19	21.14	21.35	21.17	21.11		
20	64QAM	1	48	23.30	23.27	23.40	23.43	23.41	24	
20	64QAM	1	96	23.10	23.10	23.40	23.13	23.48		
20	64QAM	50	0	22.40	22.34	22.40	22.39	22.44		
20	64QAM	50	24	22.44	22.38	22.44	22.58	22.64	24	0
20	64QAM	50	50	22.40	22.35	22.51	22.43	22.54		
20	64QAM	100	0	22.43	22.36	22.38	22.46	22.56		
20	256QAM	1	0	18.82	18.87	19.27	19.01	18.88		
20	256QAM	1	48	19.82	19.03	19.10	19.19	19.09	20	
20	256QAM	1	96	18.84	18.83	19.05	18.82	19.17		
20	256QAM	50	0	18.87	18.84	18.86	18.82	18.80		
20	256QAM	50	24	18.94	18.81	18.94	18.89	19.73	20	4
20	256QAM	50	50	18.74	18.75	19.00	18.88	19.04		
20	256QAM	100	0	18.75	18.76	19.00	18.87	19.08		
Channel										
Frequency (MHz)				39795	40173	40620	41008	41615	Tune-up limit (dBm)	MPE (dB)
15	QPSK	1	0	23.35	23.45	23.34	23.37	23.74		
15	QPSK	1	37	23.68	23.45	23.85	23.52	23.78		
15	QPSK	1	74	23.42	23.35	23.69	23.42	23.68		
15	QPSK	50	0	23.43	23.31	23.63	23.34	23.40		
15	QPSK	50	24	23.24	23.22	23.27	23.50	23.63	24	0
15	QPSK	50	48	23.38	23.41	23.27	23.44	23.45		
15	QPSK	75	0	23.32	23.26	23.30	23.35	23.34		
15	16QAM	1	0	23.20	23.14	23.35	23.08	23.31		
15	16QAM	1	37	23.18	23.22	23.24	23.19	23.23		
15	16QAM	1	74	23.13	23.09	23.24	23.17	23.31		
15	16QAM	50	0	22.26	22.18	22.21	22.30	22.33		
15	16QAM	50	24	22.29	22.30	22.40	22.30	22.48	24	0
15	16QAM	50	48	22.30	22.30	22.39	22.32	22.51		
15	16QAM	75	0	22.25	22.26	22.29	22.26	22.31		
15	64QAM	1	0	23.05	23.15	23.28	23.05	23.11		
15	64QAM	1	37	23.20	23.06	23.17	23.24	23.30	24	0
15	64QAM	1	74	22.84	23.19	23.20	23.09	23.20		
15	64QAM	50	0	22.40	22.19	22.25	22.18	22.43		
15	64QAM	50	24	22.38	22.30	22.31	22.54	22.45	24	0
15	64QAM	50	48	22.39	22.31	22.32	22.51	22.48		
15	64QAM	75	0	22.44	22.29	22.35	22.27	22.42		
15	256QAM	1	0	18.82	18.87	19.27	19.01	18.88		
15	256QAM	1	37	19.13	18.92	19.05	19.12	19.14	20	4
15	256QAM	1	74	18.81	18.84	19.24	18.81	19.10		
15	256QAM	50	0	18.86	18.86	18.86	18.86	18.86		
15	256QAM	50	24	18.78	18.76	18.90	18.97	18.84	20	4
15	256QAM	50	48	18.78	18.79	18.94	18.90	18.83		
15	256QAM	100	0	18.77	18.77	19.00	18.87	19.08		
Channel										
Frequency (MHz)				39790	40160	40620	41008	41540	Tune-up limit (dBm)	MPE (dB)
5	QPSK	1	0	23.41	23.47	23.43	23.47	23.46		
5	QPSK	1	25	23.45	23.56	23.68	23.55	23.54	24	0
5	QPSK	25	0	23.52	23.59	23.65	23.52	23.51		
5	QPSK	25	9	23.55	23.53	23.57	23.52	23.54		
5	QPSK	25	12	23.45	23.34	23.43	23.43	23.52		
5	QPSK	25	25	23.38	23.30	23.37	23.37	23.46	24	0
5	QPSK	50	0	23.33	23.15	23.24	23.34	23.35		
5	16QAM	1	0	23.19	23.08	23.34	23.16	23.32		
5	16QAM	1	25	23.21	23.19	23.29	23.19	23.22	24	0
5	16QAM	1	48	23.13	23.09	23.22	23.15	23.35		
5	16QAM	25	0	23.32	22.21	22.26	22.29	22.31		
5	16QAM	25	12	22.43	22.40	22.42	22.42	22.48		
5	16QAM	25	25	22.43	22.30	22.46	23.24	22.39		
5	16QAM	50	0	22.43	22.21	22.26	22.44	22.44		
5	64QAM	1	0	23.12	23.02	23.24	23.10	23.24		
5	64QAM	1	25	23.18	23.20	23.28	23.22	23.30	24	0
5	64QAM	1	48	22.48	23.15	23.26	23.14	23.24		
5	64QAM	25	0	22.40	22.18	22.26	22.26	22.41		
5	64QAM	25	12	22.39	22.23	22.29	22.29	22.41		
5	64QAM	25	25	22.34	22.19	22.24	22.24	22.31		
5	64QAM	50	0	22.30	22.15	22.19	22.25	22.38		
5	256QAM	1	0	18.86	18.86	18.86	18.86	18.86		
5	256QAM	1	25	19.10	19.07	19.00	19.21	19.17	20	
5	256QAM	1	48	19.02	18.89	19.21	18.83	19.07		
5	256QAM	25	0	18.86	18.86	18.86	18.86	18.86		
5	256QAM	25	12	18.89	18.71	18.89	19.01	18.71	20	4
5	256QAM	25	25	18.74	18.85	18.85	18.79	18.96		
5	256QAM	50	0	18.87	18.87	18.87	18.87	18.87		
Channel										
Frequency (MHz)				39795	40146	40620	41008	41565	Tune-up limit (dBm)	MPE (dB)
5	QPSK	1	0	23.31	23.28	23.44	23.33	23.26		
5	QPSK	1	12	23.60	23.39	23.39	23.62	23.67	24	0
5	QPSK	1	24	23.44	23.35	23.49	23.44	23.44		
5	QPSK	12	0	23.33	23.17	23.30	23.16	23.34		
5	QPSK	12	7	23.27	23.28	23.25	23.33	23.51		
5	QPSK	12	12	23.28	23.13	23.23	23.24	23.34	24	0
5	QPSK	25	0	23.38	23.11	23.17	23.33	23.34		
5	QPSK	25	7	23.05	22.90	23.18	23.01	23.34		
5	16QAM	1	0	23.19	23.08	23.34	23.16	23.32		
5	16QAM	1	12	23.31	23.29	23.31	23.29	23.31		
5	16QAM	1	24	23.06	22.99	23.15	23.08	23.29		
5	16QAM	12	0	23.25	23.17	23.25	23.21	23.28		
5	16QAM	12	7	23.19	23.13	23.25	23.22	23.44		
5	16QAM	12	13	23.24	23.10	23.21	23.20	23.28		
5	64QAM	1	0	23.02	23.04	23.21	23.03	23.28		
5	64QAM	1	12	23.03	23.13	23.18	23.14	23.21	24	
5	64QAM	1	24	22.47	23.18	23.22	23.17	23.07		
5	64QAM	12	0	22.09	22.15	23.13	22.23	22.33		
5	64QAM	12	7	22.85	22.42	22.15	22.42	22.33		
5	64QAM	12	13	22.14	22.17	22.21	22.23	22.23		
5	64QAM	25	0	22.34	22.17	22.22	22.27	22.38		
5	256QAM	1	0	18.82	18.86	18.86	18.86	18.86		
5	256QAM	1	24	18.94	18.90	19.19	18.93	19.14	20	
5	256QAM	12	0	18.85	18.85	18.85	18.85	18.85		
5	256QAM	12	7	18.79	18.88	18.88	18.96	18.76	20	4
5	256QAM	12	13	18.89	18.88	18.90	18.78	18.84		

GSM850 Ant1_Full 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		32.03	31.92	32.16	33.50	23.03	22.92	23.16	24.50
GPRS 1 Tx slot		32.03	31.92	32.16	33.50	23.03	22.92	23.16	24.50
GPRS 2 Tx slots		29.17	29.02	28.96	30.50	23.17	23.02	22.96	24.50
GPRS 3 Tx slots		27.62	27.43	27.34	29.00	23.36	23.17	23.08	24.74
GPRS 4 Tx slots		25.51	25.65	25.60	27.50	22.51	22.65	22.60	24.50
EDGE 1 Tx slot		25.01	24.93	25.07	26.00	16.01	15.93	16.07	17.00
EDGE 2 Tx slots		23.26	23.11	23.35	25.00	17.26	17.11	17.35	19.00
EDGE 3 Tx slots		21.98	21.95	22.03	23.50	17.72	17.69	17.77	19.24
EDGE 4 Tx slots		19.94	19.88	20.13	21.50	16.94	16.88	17.13	18.50
WCDMA V Ant1_Full Power									
Band		WCDMA V			Tune-up Limit (dBm)				
TX Channel		4132	4182	4233					
Rx Channel		4357	4407	4458					
Frequency (MHz)		826.4	836.4	846.6					
3GPP Rel 99	AMR 12.2Kbps	23.41	23.55	23.56	25.00				
3GPP Rel 99	RMC 12.2Kbps	23.46	23.65	23.62	25.00				
3GPP Rel 6	HSDPA Subtest-1	22.82	22.88	22.99	24.00				
3GPP Rel 6	HSDPA Subtest-2	22.75	22.88	22.98	24.00				
3GPP Rel 6	HSDPA Subtest-3	22.26	22.39	22.45	23.50				
3GPP Rel 6	HSDPA Subtest-4	22.27	22.38	22.47	23.50				
3GPP Rel 8	DC-HSDPA Subtest-1	22.80	22.66	22.80	24.00				
3GPP Rel 8	DC-HSDPA Subtest-2	22.64	22.78	22.76	24.00				
3GPP Rel 8	DC-HSDPA Subtest-3	22.08	22.37	22.24	23.50				
3GPP Rel 8	DC-HSDPA Subtest-4	22.14	22.21	22.33	23.50				
3GPP Rel 6	HSUPA Subtest-1	22.76	22.63	22.93	24.00				
3GPP Rel 6	HSUPA Subtest-2	20.78	20.84	20.93	22.00				
3GPP Rel 6	HSUPA Subtest-3	21.73	21.79	21.89	23.00				
3GPP Rel 6	HSUPA Subtest-4	20.73	20.84	20.88	22.00				
3GPP Rel 6	HSUPA Subtest-5	22.70	22.80	22.90	24.00				



Band 2 Ant1_Full Power									
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freq. Ch / Freq.	Power Mod Ch / Freq. Ch / Freq.	Power Full Power Ch / Freq. Ch / Freq.	Time-up Int. (sec)	MPE (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.21	22.24	22.24			
20	QPSK	1	49	22.22	22.19	22.28	24	0	
20	QPSK	1	98	22.12	22.08	22.14			
20	QPSK	50	0	22.18	22.34	22.27			
20	QPSK	50	24	22.29	22.18	22.23	24	0	
20	QPSK	50	50	22.19	22.31	22.22			
20	QPSK	100	0	22.13	22.34	22.28			
20	16QAM	1	0	22.19	22.24	22.24			
20	16QAM	1	99	22.19	22.24	22.28	24	0	
20	16QAM	1	198	21.63	21.61	21.69			
20	16QAM	50	24	21.98	21.97	21.98	23	1	
20	16QAM	50	50	21.60	21.66	21.52			
20	16QAM	100	0	21.95	21.92	21.96			
20	64QAM	1	0	22.31	22.22	22.22			
20	64QAM	1	49	22.27	22.27	22.21	24	0	
20	64QAM	1	99	22.20	22.21	22.25			
20	64QAM	50	0	21.93	21.75	21.73			
20	64QAM	50	24	21.98	21.77	21.85	23	1	
20	64QAM	50	50	21.75	21.77	21.85			
20	64QAM	100	0	21.93	21.81	21.77			
20	256QAM	1	0	18.93	18.92	18.93	20	4	
20	256QAM	1	99	18.87	18.61	18.76			
20	256QAM	50	0	18.70	18.65	18.68			
20	256QAM	50	24	18.81	18.74	18.88	20	4	
20	256QAM	50	50	18.79	18.78	18.88			
20	256QAM	100	0	18.83	18.68	18.86			
Channel									
Frequency (MHz)									
15	QPSK	1	0	18.97	18.72	18.75			
15	QPSK	1	17	22.41	22.28	22.34	Time-up Int. (sec)	MPE (dB)	
15	QPSK	1	34	22.41	22.39	22.37	24	0	
15	QPSK	1	74	22.30	22.30	22.30			
15	QPSK	36	0	22.44	22.37	22.44			
15	QPSK	36	24	22.48	22.44	22.48	24	0	
15	QPSK	36	39	22.42	22.38	22.38			
15	QPSK	75	0	22.46	22.41	22.27			
15	16QAM	1	0	22.29	22.18	22.23			
15	16QAM	1	37	22.40	22.25	22.22			
15	16QAM	1	74	22.25	22.19	22.20			
15	16QAM	36	0	21.81	21.55	21.67			
15	16QAM	36	20	21.88	21.84	21.49	23	1	
15	16QAM	36	25	21.88	21.85	21.85			
15	16QAM	75	0	21.82	21.78	21.75			
15	64QAM	1	0	22.32	22.19	22.21	24	0	
15	64QAM	1	37	22.40	22.25	22.22			
15	64QAM	1	74	22.20	22.21	22.24			
15	64QAM	36	0	21.81	21.76	21.67			
15	64QAM	36	20	21.88	21.84	21.49	23	1	
15	64QAM	36	25	21.88	21.85	21.85			
15	64QAM	75	0	21.82	21.78	21.75			
15	256QAM	1	0	18.85	18.91	18.77	20	4	
15	256QAM	1	74	18.88	18.85	18.78			
15	256QAM	50	0	18.96	18.93	18.95			
15	256QAM	36	39	18.77	18.78	18.71	20	4	
15	256QAM	75	0	18.74	18.80	18.80			
Channel									
Frequency (MHz)									
15	QPSK	1	0	18.95	18.90	18.75			
15	QPSK	1	25	22.32	22.23	22.17	Time-up Int. (sec)	MPE (dB)	
15	QPSK	1	26	22.34	22.27	22.28	24	0	
15	QPSK	1	49	22.18	22.21	22.19			
15	QPSK	36	0	22.35	22.29	22.22			
15	QPSK	36	24	22.39	22.38	22.38	24	0	
15	QPSK	36	25	22.34	22.31	22.23			
15	QPSK	75	0	22.38	22.32	22.14			
15	16QAM	1	0	22.32	22.28	22.23			
15	16QAM	1	25	22.31	22.29	22.24	24	0	
15	16QAM	1	49	22.18	22.16	22.14			
15	16QAM	36	0	21.82	21.63	21.53			
15	16QAM	36	12	21.60	21.47	21.53	23	1	
15	16QAM	36	25	21.63	21.52	21.60			
15	16QAM	75	0	21.56	21.53	21.45			
15	64QAM	1	0	22.33	22.23	22.13	24	0	
15	64QAM	1	25	22.32	22.21	22.14			
15	64QAM	1	49	22.20	22.12	22.14			
15	64QAM	36	0	21.73	21.69	21.62			
15	64QAM	36	12	21.60	21.62	21.64	23	1	
15	64QAM	36	25	21.71	21.68	21.63			
15	64QAM	50	0	21.78	21.71	21.65			
15	256QAM	1	0	18.95	18.92	18.87	20	4	
15	256QAM	1	25	18.96	18.95	18.95			
15	256QAM	1	49	18.84	18.82	18.84			
15	256QAM	50	0	18.95	18.92	18.94			
15	256QAM	36	12	18.28	18.51	18.27	20	4	
15	256QAM	36	25	18.27	18.41	18.41			
15	256QAM	50	0	18.31	18.68	18.68			
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.27	22.18	22.17			
5	QPSK	1	12	22.25	22.20	22.15	Time-up Int. (sec)	MPE (dB)	
5	QPSK	1	24	22.17	22.10	22.07	24	0	
5	QPSK	12	0	22.27	22.22	22.15			
5	QPSK	12	7	22.27	22.26	22.20			
5	QPSK	12	13	22.21	22.19	22.10			
5	QPSK	15	0	22.28	22.19	22.18			
5	16QAM	1	0	22.23	22.14	22.13			
5	16QAM	1	12	22.25	22.24	22.11	24	0	
5	16QAM	1	24	22.08	22.14	22.08			
5	16QAM	12	0	21.62	21.42	21.34			
5	16QAM	12	7	21.63	21.61	21.44	23	1	
5	16QAM	12	13	21.62	21.42	21.38			
5	16QAM	25	0	21.46	21.42	21.36			
5	64QAM	1	0	22.21	22.19	22.03	24	0	
5	64QAM	1	12	22.23	22.12	22.03			
5	64QAM	1	24	22.20	22.07	22.10			
5	64QAM	12	0	21.72	21.62	21.60			
5	64QAM	12	7	21.68	21.71	21.62	23	1	
5	64QAM	12	13	21.62	21.58	21.62			
5	64QAM	25	0	21.65	21.62	21.58			
5	256QAM	1	0	18.95	18.98	18.93	20	4	
5	256QAM	1	12	18.90	18.91	18.45			
5	256QAM	1	24	18.82	18.39	18.42			
5	256QAM	50	0	18.38	18.58	18.47			
5	256QAM	12	7	18.36	18.57	18.31	20	4	
5	256QAM	12	13	18.31	18.59	18.41			
5	256QAM	25	0	18.42	18.44	18.30			
Channel									
Frequency (MHz)									
3	QPSK	1	0	22.23	22.16	22.10			
3	QPSK	1	8	22.23	22.18	22.10	Time-up Int. (sec)	MPE (dB)	
3	QPSK	1	14	22.24	22.05	22.00	24	0	
3	QPSK	8	0	22.21	22.03	22.03			
3	QPSK	8	4	22.27	22.03	22.12			
3	QPSK	8	7	22.22	22.19	22.12			
3	16QAM	1	0	22.26	22.15	22.08			
3	16QAM	1	8	22.22	22.42	22.25	24	0	
3	16QAM	1	14	22.20	22.13	22.23			
3	16QAM	8	0	21.81	21.69	21.61			
3	16QAM	8	4	21.74	21.72	21.61			
3	16QAM	8	7	21.73	21.65	21.61	23	1	
3	16QAM	15	0	21.68	21.65	21.62			
3	64QAM	1	0	22.46	22.32	22.34			
3	64QAM	1	8	22.48	22.37	22.41	24	0	
3	64QAM	1	14	22.28	22.19	22.14			
3	64QAM	8	0	21.70	21.61	21.65			
3	64QAM	8	7	21.69	21.70	21.62	23	1	
3	64QAM	8	7	21.69	21.67	21.53			
3	256QAM	1	0	18.45	18.71	18.49	20	4	
3	256QAM	1	8	18.49	18.47	18.45			
3	256QAM	1	14	18.42	18.39	18.35			
3	256QAM	50	0	18.40	18.47	18.45			
3	256QAM	8	4	18.31	18.31	18.30	20	4	
3	256QAM	8	7	18.32	18.41	18.42			
3	256QAM	15	0	18.42	18.48	18.47			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	22.33	22.28	22.23			
1.4	QPSK	1	3	22.28	22.28	22.20			
1.4	QPSK	1	5	22.23	22.21	22.15	24	0	
1.4	QPSK	3	0	22.28	22.32	22.25			
1.4	QPSK	3	1	22.26	22.30	22.25			
1.4	QPSK	3	3	22.30	22.27	22.20	24	0	
1.4	QPSK	3	21	22.24	22.20	22.22			
1.4	16QAM	1	0	22.52	22.35	22.42			
1.4	16QAM	1	3	22.34	22.48	22.39	24	0	
1.4	16QAM	1	5	22.31	22.45	22.37			
1.4	16QAM	3	0	22.30	22.36	22.21			
1.4	16QAM	3	1	22.33	22.28	22.21	24	0	
1.4	16QAM	3	1	22.31	22.21	22.07			
1.4	16QAM	3	1	22.30	22.23	22.16			
1.4	16QAM	3	1	22.32	22.24	22.18	23	1	
1.4	16QAM	3	1	22.34	22.27	22.24			
1.4	16QAM	3	1	22.35	22.27	22.24			
1.4	16QAM	3	1	22.36	22.28	22.25	24	0	
1.4	16QAM	3	1	22.37	22.29	22.26			
1.4	16QAM	3	1	22.38	22.30	22.27			
1.4	16QAM	3	1	22.39	22.31	22.28			
1.4	16QAM	3	1	22.40	22.32	22.29			
1.4	16QAM	3	1	22.41	22.33	22.30			
1.4	16QAM	3	1	22.42	22.34	22.31			
1.4	16QAM	3	1	22.43	22.35	22.32			
1.4	16QAM	3	1	22.44	22.36	22.33			
1.4	16QAM	3	1	22.45	22.37	22.34			
1.4	16QAM	3	1	22.46	22.38	22.35			
1.4	16QAM	3	1	22.47	22.39	22.36			
1.4	16QAM	3	1	22.48	22.40	22.37			
1.4	16QAM	3	1	22.49	22.41	22.38			
1.4	1								



Band 12 Ant1_Full Power												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Time-up Int. (dB)	MPR (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0	24.22	24.41	24.29	25	0				
10	QPSK	1	25	24.33	24.38	24.33						
10	QPSK	1	49	24.29	24.31	24.27						
10	QPSK	25	0	24.27	24.40	24.31	25	0				
10	QPSK	25	12	24.32	24.32	24.35						
10	QPSK	25	25	24.37	24.21	24.32						
10	QPSK	50	0	24.30	24.37	24.30	25	0				
10	16QAM	1	0	24.21	24.23	24.27						
10	16QAM	1	25	24.33	24.28	24.32						
10	16QAM	1	49	24.32	24.32	24.30	25	0				
10	16QAM	25	0	23.59	23.63	23.65						
10	16QAM	25	12	23.70	23.67	23.65						
10	16QAM	25	25	23.69	23.74	23.73	25	0				
10	16QAM	50	0	23.68	23.61	23.65						
10	64QAM	1	0	24.22	24.17	24.30						
10	64QAM	1	25	24.27	24.21	24.28	25	0				
10	64QAM	1	49	24.29	24.20	24.28						
10	64QAM	25	0	23.77	23.80	23.83						
10	64QAM	25	12	23.80	23.86	23.87	25	0				
10	64QAM	25	25	23.80	23.82	23.81						
10	64QAM	50	0	23.87	23.81	23.83						
10	256QAM	1	0	20.95	20.95	20.94	21	4				
10	256QAM	1	25	20.70	20.73	20.65						
10	256QAM	1	49	20.55	20.71	20.60						
10	256QAM	25	0	20.96	20.89	20.89	21	4				
10	256QAM	25	12	20.80	20.69	20.69						
10	256QAM	25	25	20.71	20.63	20.67						
10	256QAM	50	0	20.66	20.60	20.63	21	4				
Channel												
Frequency (MHz)												
5	QPSK	1	0	24.09	24.22	24.10	25	0				
5	QPSK	1	12	24.11	24.15	24.16						
5	QPSK	1	24	24.24	24.24	24.24						
5	QPSK	12	0	24.12	24.34	24.24	25	0				
5	QPSK	12	7	24.23	24.27	24.28						
5	QPSK	12	13	24.26	24.11	24.12						
5	QPSK	25	0	24.10	24.28	24.26	25	0				
5	16QAM	1	0	24.05	24.01	24.10						
5	16QAM	1	12	24.15	24.22	24.29						
5	16QAM	1	24	24.27	24.12	24.18	25	0				
5	16QAM	12	0	23.82	23.38	23.43						
5	16QAM	12	13	23.84	23.59	23.54						
5	16QAM	25	0	23.43	23.39	23.43	25	0				
5	16QAM	25	0	23.57	24.00	24.15						
5	64QAM	1	0	24.08	24.00	24.00	25	0				
5	64QAM	1	12	24.19	24.01	24.12						
5	64QAM	1	24	24.17	24.02	24.03						
5	64QAM	12	0	23.82	23.54	23.73	25	0				
5	64QAM	12	7	23.79	23.79	23.65						
5	64QAM	12	13	23.82	23.57	23.55						
5	64QAM	25	0	23.70	23.59	23.62	25	0				
5	256QAM	1	0	20.71	20.65	20.62						
5	256QAM	1	12	20.71	20.65	20.67						
5	256QAM	1	24	20.55	20.71	20.67	21	4				
5	256QAM	12	0	20.82	20.51	20.54						
5	256QAM	12	13	20.68	20.52	20.55						
5	256QAM	25	0	20.52	20.68	20.55	21	4				
Channel												
Frequency (MHz)												
3	QPSK	1	0	24.12	24.21	24.17	25	0				
3	QPSK	1	8	24.11	24.25	24.09						
3	QPSK	1	14	24.05	24.20	24.08						
3	QPSK	8	0	24.07	24.27	24.09	25	0				
3	QPSK	8	4	24.03	24.06	24.24						
3	QPSK	8	7	24.23	24.01	24.26						
3	16QAM	1	0	24.04	24.04	24.20	25	0				
3	16QAM	1	8	24.10	24.04	24.11						
3	16QAM	1	14	24.15	24.23	24.25						
3	16QAM	8	0	23.44	23.43	23.56	25	0				
3	16QAM	8	4	23.61	23.43	23.43						
3	16QAM	8	7	23.51	23.62	23.47						
3	16QAM	15	0	23.61	23.39	23.35	25	0				
3	64QAM	1	0	23.59	24.03	24.30						
3	64QAM	1	8	24.08	24.02	24.17						
3	64QAM	1	14	24.23	23.94	24.15	25	0				
3	64QAM	8	0	23.72	23.72	23.78						
3	64QAM	8	4	23.83	23.81	23.64						
3	64QAM	8	7	23.70	23.75	23.70	25	0				
3	64QAM	15	0	23.75	23.61	23.71						
3	256QAM	1	0	20.30	20.73	20.52						
3	256QAM	1	8	20.67	20.79	20.70	21	4				
3	256QAM	1	14	20.47	20.55	20.53						
3	256QAM	8	0	20.46	20.68	20.52						
3	256QAM	8	4	20.60	20.73	20.65	21	4				
3	256QAM	8	7	20.61	20.63	20.66						
3	256QAM	15	0	20.52	20.76	20.62						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	24.28	24.29	24.24	25	0				
1.4	QPSK	1	3	24.26	24.35	24.35						
1.4	QPSK	1	5	24.21	24.28	24.27						
1.4	QPSK	3	0	24.31	24.33	24.36	25	0				
1.4	QPSK	3	1	24.32	24.30	24.37						
1.4	QPSK	3	3	24.27	24.29	24.36						
1.4	QPSK	6	0	24.30	24.37	24.37	25	0				
1.4	16QAM	1	0	24.31	24.32	24.40						
1.4	16QAM	1	3	24.31	24.34	24.36						
1.4	16QAM	3	0	24.32	24.31	24.34	25	0				
1.4	16QAM	3	0	24.08	24.17	24.17						
1.4	16QAM	3	1	24.05	24.10	24.18						
1.4	16QAM	3	3	24.05	24.14	24.26	25	0				
1.4	16QAM	6	0	23.73	23.65	23.79						
1.4	16QAM	1	0	24.20	24.33	24.28	25	0				
1.4	16QAM	1	3	24.26	24.18	24.28						
1.4	64QAM	1	5	24.11	24.24	24.27						
1.4	64QAM	3	0	24.24	24.11	24.31	25	0				
1.4	64QAM	3	1	24.13	24.26	24.29						
1.4	64QAM	3	3	24.13	24.21	24.26						
1.4	64QAM	6	0	23.62	23.79	23.66	25	0				
1.4	256QAM	1	0	20.45	20.65	20.47						
1.4	256QAM	1	3	20.60	20.71	20.72						
1.4	256QAM	1	5	20.66	20.64	20.50	21	4				
1.4	256QAM	3	0	20.66	20.64	20.50						
1.4	256QAM	3	1	20.75	20.51	20.68						
1.4	256QAM	3	3	20.76	20.43	20.62	21	4				
1.4	256QAM	6	0	20.64	20.77	20.58						

Band 13 Ant1_Full Power									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Time-up Int. (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.59	22.63	22.63	24	0	
10	QPSK	1	25	22.73	22.73	22.73			
10	QPSK	1	49	22.51	22.51	22.51			
10	QPSK	25	0	22.55	22.55	22.55	24	0	
10	QPSK	25	12	22.18	22.18	22.18	24	0	
10	16QAM	1	0	22.12	22.13	22.13			
10	16QAM	1	25	22.46	22.43	22.43			
10	16QAM	50	0	22.12	22.12	22.12	24	0	
10	16QAM	1	49	22.10	22.10	22.10	23		
10	16QAM	25	0	21.54	21.54	21.54			
10	16QAM	25	12	21.22	21.22	21.22			
10	16QAM	50	0	21.68	21.68	21.68	24	0	
10	16QAM	50	25	21.58	21.58	21.58			
10	16QAM	50	49	22.22	22.22	22.22			
10	16QAM	1	26	22.26	22.26	22.26	24	0	
10	16QAM	1	49	22.20	22.20	22.20			
10	16QAM	1	73	22.14	22.14	22.14			
10	16QAM	25	12	21.21	21.21	21.21	23	1	
10	16QAM	25	25	21.67	21.67	21.67			
10	16QAM	25	49	21.09	21.09	21.09			
10	256QAM	1	0	18.85	18.85	18.85	19	5	
10	256QAM	1	25	18.79	18.79	18.79			
10	256QAM	1	49	19.34	19.34	19.34			
10	256QAM	25	0	18.50	18.50	18.50	19	5	
10	256QAM	25	12	18.50	18.50	18.50			
10	256QAM	25	49	18.87	18.87	18.87			
10	256QAM	50	0	18.43	18.43	18.43	19	5	
10	256QAM	50	25	18.55	18.55	18.55			
10	256QAM	50	49	17.95	17.95	17.95			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.84	22.43	22.79	24	0	
5	QPSK	1	12	22.52	22.88	22.84			
5	QPSK	1	25	21.78	21.73	21.73			
5	QPSK	12	0	22.40	22.45	22.65	24	0	
5	QPSK	12	7	22.43	22.22	22.54			
5	QPSK	12	19	21.40	21.60	21.75			
5	QPSK	24	0	22.56	22.17	22.40	24	0	
5	16QAM	1	0	22.33	22.62	22.59			
5	16QAM	1	25	22.44	22.44	22.44			
5	16QAM	1	24	22.31	22.51	22.51	23	1	
5	16QAM	12	0	21.39	21.42	21.79			
5	16QAM	12	13	21.54	21.79	21.95			
5	16QAM	25	0	21.36	21.20	21.65	23	1	
5	16QAM	25	1	21.33	21.45	21.45			
5	16QAM	1	12	22.57	22.20	22.65			
5	16QAM	1	24	22.56	22.68	22.41	23	1	
5	16QAM	12	7	22.40	22.51	22.59			
5	16QAM	12	7	22.37	22.37	22.82			
5	16QAM	12	13	22.48	22.37	22.39	23	1	
5	16QAM	25	0	22.41	22.18	22.64			
5	256QAM	1	0	18.84	18.68	18.84			
5	256QAM	1	12	18.80	18.62	18.82	19	5	
5	256QAM	1	25	18.84	18.59	18.87			
5	256QAM	12	0	18.69	18.66	18.69			
5	256QAM	12	7	18.70	18.67	18.85	19	5	
5	256QAM	12	13	18.50	18.64	18.64			
5	256QAM	25	0	18.61	18.47	18.69			



Band 25 Ant1_Full Power														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Turn-up time (sec)	MPR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	22.48	22.57	22.32	24	0						
40	QPSK	4	0	22.44	22.54	22.23								
20	QPSK	1	99	22.27	22.36	22.24								
20	QPSK	50	0	22.51	22.55	22.53								
20	QPSK	30	24	22.42	22.49	22.38	24	0						
20	QPSK	50	50	22.45	22.47	22.42								
20	QPSK	100	0	22.51	22.53	22.53								
20	HQAM	1	0	22.36	22.21	22.18								
20	HQAM	1	49	22.32	22.47	22.27	24	0						
20	HQAM	1	99	22.26	22.22	22.09								
20	HQAM	50	0	21.68	21.63	21.53								
20	HQAM	50	24	21.77	21.75	21.56								
20	HQAM	50	50	21.88	21.86	21.82	23	1						
20	HQAM	100	0	21.71	21.72	21.54								
20	HQAM	1	0	22.36	22.36	22.31								
20	HQAM	1	49	22.29	22.24	22.23								
20	HQAM	1	99	22.16	22.26	22.24	24	0						
20	HQAM	50	0	21.90	21.86	21.74								
20	HQAM	50	24	21.94	21.96	21.78								
20	HQAM	50	50	21.86	21.91	21.84								
20	HQAM	100	0	21.92	21.91	21.75	23	1						
20	25QAM	1	0	19.05	19.17	18.86								
20	25QAM	49	19.13	19.15	19.01	18.92								
20	25QAM	1	99	18.77	18.98	18.80								
20	25QAM	50	0	19.05	19.09	18.95	20	4						
20	25QAM	50	24	19.05	19.09	18.95								
20	25QAM	50	50	19.13	19.07	18.91								
20	25QAM	100	0	19.03	19.03	18.87								
Channel														
Frequency (MHz)														
15	QPSK	1	0	22.21	22.24	22.13	24	0						
15	QPSK	1	37	22.44	22.28	22.13								
15	QPSK	1	74	22.01	22.13	22.18								
15	QPSK	36	0	22.43	22.49	22.21								
15	QPSK	36	40	22.35	22.44	22.21	24	0						
15	QPSK	36	39	22.19	22.30	22.28								
15	QPSK	75	0	22.41	22.41	22.09								
15	HQAM	1	0	22.12	22.01	22.04								
15	HQAM	1	37	22.22	22.24	22.10	24	0						
15	HQAM	1	74	22.12	22.12	22.04								
15	HQAM	36	0	21.83	21.59	21.26								
15	HQAM	36	20	21.69	21.59	21.48								
15	HQAM	36	50	21.62	21.63	21.65	23	1						
15	HQAM	75	0	21.98	21.98	21.48								
15	HQAM	1	0	22.25	22.23	22.15								
15	HQAM	1	37	22.08	22.13	22.10								
15	HQAM	1	74	22.08	22.13	22.10	23	1						
15	HQAM	36	0	21.80	21.67	21.47								
15	HQAM	36	20	21.70	21.65	21.56								
15	HQAM	36	50	21.75	21.75	21.78								
15	HQAM	75	0	21.80	21.85	21.51	20	4						
15	25QAM	1	0	18.76	18.82	18.76								
15	25QAM	1	37	19.05	18.95	18.75								
15	25QAM	1	74	18.71	18.78	18.87								
15	25QAM	36	0	19.00	19.00	18.75	20	4						
15	25QAM	36	20	19.00	19.12	18.98								
15	25QAM	36	50	18.88	18.89	18.79								
15	25QAM	75	0	18.81	18.84	18.85								
Channel														
Frequency (MHz)														
10	QPSK	1	0	22.27	22.32	22.28	24	0						
10	QPSK	1	25	22.45	22.42	22.17								
10	QPSK	1	49	22.22	22.19	22.11								
10	QPSK	25	0	22.25	22.31	22.21								
10	QPSK	25	12	22.17	22.29	22.18	24	0						
10	QPSK	25	25	22.31	22.21	22.37								
10	QPSK	50	0	22.48	22.28	22.26								
10	HQAM	1	0	22.17	22.26	22.06								
10	HQAM	1	25	22.23	22.27	22.18	24	0						
10	HQAM	1	49	22.15	22.25	22.11								
10	HQAM	25	0	21.61	21.59	21.45								
10	HQAM	25	12	21.58	21.70	21.48								
10	HQAM	25	25	21.62	21.63	21.65	23	1						
10	HQAM	50	0	21.50	21.57	21.49								
10	HQAM	1	0	22.15	22.13	22.05								
10	HQAM	1	25	22.09	22.12	22.03								
10	HQAM	1	49	22.05	22.04	22.04	23	1						
10	HQAM	25	0	21.65	21.63	21.63								
10	HQAM	25	12	21.68	21.82	21.65								
10	HQAM	25	25	21.81	21.80	21.79								
10	HQAM	50	0	21.74	21.74	21.58	20	4						
10	25QAM	1	0	18.74	18.87	18.85								
10	25QAM	1	25	18.96	18.89	18.72								
10	25QAM	1	49	18.64	18.66	18.69								
10	25QAM	25	0	19.00	19.02	18.84	20	4						
10	25QAM	25	12	18.91	19.04	18.92								
10	25QAM	25	25	18.87	18.89	18.98								
10	25QAM	50	0	18.81	18.91	18.87								
Channel														
Frequency (MHz)														
5	QPSK	1	0	22.25	22.41	22.29	24	0						
5	QPSK	1	12	22.32	22.28	22.17								
5	QPSK	1	24	22.04	22.14	22.20								
5	QPSK	12	0	22.35	22.31	22.21								
5	QPSK	12	7	22.21	22.25	22.25	24	0						
5	QPSK	12	13	22.33	22.27	22.34								
5	QPSK	25	0	22.26	22.26	22.17								
5	HQAM	1	0	22.25	22.13	22.06								
5	HQAM	1	12	22.21	22.23	22.19	24	0						
5	HQAM	1	24	22.17	22.27	22.11								
5	HQAM	12	0	21.44	21.49	21.31								
5	HQAM	12	7	21.68	21.63	21.32								
5	HQAM	12	13	21.41	21.39	21.40	23	1						
5	HQAM	25	0	21.62	21.60	21.32								
5	HQAM	1	0	22.16	22.17	22.16								
5	HQAM	1	12	22.23	22.15	22.08								
5	HQAM	1	24	22.09	22.16	22.13	23	1						
5	HQAM	12	0	21.85	21.83	21.53								
5	HQAM	12	7	21.88	21.74	21.61								
5	HQAM	12	13	21.70	21.75	21.62								
5	HQAM	25	0	21.86	21.75	21.62	20	4						
5	25QAM	1	0	18.75	18.85	18.86								
5	25QAM	1	12	18.99	18.96	18.86								
5	25QAM	1	24	18.53	18.67	18.84								
5	25QAM	12	0	18.97	19.06	18.81	20	4						
5	25QAM	12	7	18.95	19.10	18.72								
5	25QAM	12	13	18.80	18.86	18.88								
5	25QAM	25	0	18.72	18.95	18.72								

Band 66 Ant1_Full Power														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. 150072	Power Mids Ch./Freq. 150322	Power High Ch./Freq. 150572	Tune-up (dBm)	MRR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	22.46	22.56	22.54	24	0						
20	QPSK	1	49	22.50	22.44	22.44								
20	QPSK	1	99	22.38	22.31	22.44								
20	QPSK	50	0	22.46	22.54	22.49								
20	QPSK	50	24	22.37	22.46	22.50	24	0						
20	QPSK	50	50	22.50	22.42	22.53								
20	QPSK	100	0	22.45	22.55	22.50								
20	QPSK	100	1	22.47	22.29	22.43								
20	16QAM	1	49	22.50	22.24	22.41	24	0						
20	16QAM	1	99	22.35	22.28	22.31								
20	16QAM	50	0	21.97	21.99	21.72								
20	16QAM	50	24	21.78	21.89	21.87								
20	16QAM	50	50	21.98	21.86	21.73	23	1						
20	16QAM	100	0	21.72	21.67	21.66								
20	16QAM	1	0	22.35	22.44	22.48								
20	16QAM	1	49	22.49	22.46	22.44								
20	16QAM	1	99	22.38	22.25	22.33	24	0						
20	16QAM	50	0	21.83	21.79	21.89								
20	16QAM	50	24	21.95	21.89	21.91								
20	16QAM	50	50	21.90	21.86	21.93								
20	16QAM	100	0	21.92	21.86	21.89	23	1						
20	16QAM	1	0	18.56	18.60	18.75								
20	16QAM	1	49	18.95	18.49	18.54								
20	256QAM	1	99	18.34	18.28	18.43								
20	256QAM	50	24	18.46	18.45	18.46	20	4						
20	256QAM	50	24	18.28	18.50	18.52								
20	256QAM	50	50	18.57	18.64	18.61								
20	256QAM	100	0	18.42	18.61	18.73								
Channel														
Frequency (MHz)														
15	QPSK	1	0	22.33	22.36	22.36	24	0						
15	QPSK	1	37	22.28	22.18	22.39								
15	QPSK	1	74	22.19	22.07	22.27								
15	QPSK	36	0	22.27	22.40	22.27								
15	QPSK	36	20	22.24	22.41	22.44	24	0						
15	QPSK	36	39	22.23	22.34	22.45								
15	QPSK	75	0	22.20	22.20	22.19								
15	16QAM	1	37	22.26	22.19	22.24								
15	16QAM	1	74	22.20	22.23	22.28	24	0						
15	16QAM	36	0	21.48	21.57	21.59								
15	16QAM	36	20	21.53	21.46	21.62								
15	16QAM	36	39	21.42	21.47	21.58								
15	16QAM	75	0	21.58	21.42	21.58	23	1						
15	16QAM	1	0	22.26	22.39	22.21								
15	16QAM	1	37	22.22	22.22	22.22								
15	16QAM	1	74	22.24	22.10	22.14								
15	16QAM	36	0	21.72	21.55	21.76	23	1						
15	16QAM	36	20	21.65	21.45	21.65								
15	16QAM	36	39	21.75	21.53	21.74								
15	16QAM	75	0	21.87	21.75	21.86								
15	256QAM	1	0	18.38	18.43	18.48	20	4						
15	256QAM	1	37	18.10	18.30	18.49								
15	256QAM	1	74	18.24	18.50	18.40								
15	256QAM	36	0	18.37	18.27	18.45								
15	256QAM	36	20	18.19	18.49	18.47	20	4						
15	256QAM	36	39	18.36	18.48	18.49								
15	256QAM	75	0	18.19	18.53	18.40								
Channel														
Frequency (MHz)														
10	QPSK	1	0	22.23	22.46	22.40	24	0						
10	QPSK	1	25	22.28	22.33	22.38								
10	QPSK	1	49	22.28	22.10	22.41								
10	QPSK	26	0	22.27	22.29	22.30								
10	QPSK	25	12	22.17	22.27	22.28	24	0						
10	QPSK	26	25	22.35	22.28	22.49								
10	QPSK	50	0	22.30	22.49	22.25								
10	16QAM	25	1	22.31	22.11	22.37								
10	16QAM	1	25	22.27	22.14	22.38	24	0						
10	16QAM	1	49	22.30	22.25	22.35								
10	16QAM	25	0	21.62	21.49	21.60								
10	16QAM	25	12	21.57	21.58	21.46								
10	16QAM	26	24	21.48	21.44	21.48	23	1						
10	16QAM	50	0	21.57	21.45	21.50								
10	16QAM	1	0	22.18	22.18	22.28								
10	16QAM	1	49	22.27	22.15	22.14								
10	16QAM	25	0	21.81	21.61	21.79	23	1						
10	16QAM	25	9	21.82	21.65	21.87								
10	16QAM	25	26	21.84	21.75	21.81								
10	16QAM	50	0	21.73	21.62	21.74								
10	256QAM	1	0	18.48	18.30	18.35	20	4						
10	256QAM	1	26	18.44	18.36	18.33								
10	256QAM	1	49	18.19	18.05	18.36								
10	256QAM	25	0	18.35	18.45	18.34								
10	256QAM	25	12	18.31	18.55	18.45	20	4						
10	256QAM	25	26	18.40	18.38	18.50								
10	256QAM	50	0	18.41	18.40	18.30								
Channel														
Frequency (MHz)														
5	QPSK	1	0	22.23	22.38	22.43					24	0		
5	QPSK	1	12	22.45	22.41	22.33								
5	QPSK	1	24	22.25	22.15	22.36								
5	QPSK	12	0	22.26	22.27	22.36								
5	QPSK	12	7	22.18	22.27	22.38	24	0						
5	QPSK	12	13	22.35	22.24	22.38								
5	QPSK	26	0	22.35	22.28	22.31								
5	16QAM	1	0	22.34	22.20	22.30								
5	16QAM	1	12	22.42	22.09	22.38	24	0						
5	16QAM	1	24	22.34	22.09	22.27								
5	16QAM	12	0	21.45	21.51	21.64								
5	16QAM	12	7	21.62	21.62	21.62								
5	16QAM	14	1	21.58	21.40	21.65	23	1						
5	16QAM	26	0	21.48	21.60	21.43								
5	16QAM	1	0	22.28	22.21	22.34								
5	16QAM	1	12	22.44	22.26	22.38								
5	16QAM	1	24	22.17	22.18	22.11	23	1						
5	16QAM	12	0	21.79	21.62	21.72								
5	16QAM	14	7	21.50	21.70	21.71								
5	16QAM	12	13	21.79	21.78	21.86								
5	16QAM	25	0	21.81	21.67	21.85	20	4						
5	256QAM	1	0	18.51	18.32	18.39								
5	256QAM	1	12	18.52	18.26	18.47								
5	256QAM	1	24	18.22	18.08	18.40								
5	256QAM	12	0	18.38	18.45	18.22	20	4						
5	256QAM	12	7	18.18	18.54	18.41								
5	256QAM	12	13	18.35	18.32	18.40								
5	256QAM	25												



Band 38 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MFR (dB)
Channel									
Frequency (MHz)				37965	38050	38135			
20	QPSK	1	0	22.49	22.64	22.60		24	0
20	QPSK	1	49	22.60	22.70	22.66			
20	QPSK	1	89	22.65	22.79	22.70			
20	QPSK	50	0	22.58	22.75	22.55			
20	QPSK	50	24	22.67	22.86	22.81		24	0
20	QPSK	50	49	22.68	22.91	22.82			
20	QPSK	100	0	22.61	22.98	22.81			
20	HQAM	1	0	22.58	22.58	22.66		24	0
20	HQAM	1	49	22.70	22.79	22.74			
20	HQAM	1	99	22.84	22.87	22.77			
20	HQAM	50	24	22.98	22.98	22.95		23	1
20	HQAM	50	49	22.98	22.98	22.95			
20	HQAM	50	50	22.96	22.99	22.99			
20	HQAM	100	0	22.92	22.92	22.99			
20	HQAM	100	0	22.93	22.97	22.95			
20	HQAM	1	49	22.98	22.86	22.77		24	0
20	HQAM	1	99	22.96	22.83	22.78			
20	HQAM	50	0	21.99	21.99	22.04			
20	HQAM	50	24	22.09	22.05	22.11		23	1
20	HQAM	50	50	22.04	22.11	22.06			
20	HQAM	100	0	21.99	22.09	22.06			
20	25QAM	1	0	18.89	18.96	18.83		20	4
20	25QAM	1	49	18.87	18.92	18.79			
20	25QAM	1	99	18.80	18.86	18.82			
20	25QAM	50	0	22.46	22.53	22.49			
20	25QAM	50	24	18.86	18.78	18.82		20	4
20	25QAM	50	50	18.79	18.83	18.77			
20	25QAM	100	0	18.79	18.83	18.77			
Channel									
Frequency (MHz)				37925	38050	38175	Tune-up limit (dBm)	MFR (dB)	
15	QPSK	1	0	22.73	22.77	22.74			
15	QPSK	1	37	22.82	22.88	22.82		24	0
15	QPSK	1	74	22.90	22.97	22.89			
15	QPSK	36	0	22.86	22.98	22.94			
15	QPSK	36	20	22.96	22.43	22.63		24	0
15	QPSK	75	0	22.81	22.89	22.85			
15	HQAM	1	0	22.44	22.46	22.48			
15	HQAM	1	37	22.52	22.59	22.55		24	0
15	HQAM	1	74	22.72	22.62	22.66			
15	HQAM	36	0	21.89	21.95	21.83			
15	HQAM	36	20	21.96	22.09	22.01		23	1
15	HQAM	36	36	21.97	22.09	22.02			
15	HQAM	75	0	21.89	21.83	22.05			
15	HQAM	75	0	22.49	22.64	22.64			
15	HQAM	1	37	22.82	22.87	22.80		24	0
15	HQAM	1	74	22.46	22.62	22.79			
15	HQAM	36	0	21.83	21.78	21.80			
15	HQAM	36	20	21.82	21.85	21.84		23	1
15	HQAM	36	36	21.85	21.81	21.87			
15	HQAM	75	0	21.87	21.83	21.85			
15	25QAM	1	0	18.47	18.63	18.57		20	4
15	25QAM	1	37	18.48	18.63	18.57			
15	25QAM	1	74	18.54	18.63	18.66			
15	25QAM	36	0	18.49	18.65	18.57			
15	25QAM	36	20	18.55	18.61	18.61		20	4
15	25QAM	36	36	18.69	18.83	18.73			
15	25QAM	75	0	18.58	18.59	18.60			
Channel									
Frequency (MHz)				25175	25255	25335	Tune-up limit (dBm)	MFR (dB)	
10	QPSK	1	0	22.47	22.47	22.47			
10	QPSK	1	25	22.47	22.67	22.58		24	0
10	QPSK	1	49	22.52	22.74	22.64			
10	QPSK	25	0	22.46	22.65	22.55			
10	QPSK	25	12	22.67	22.65	22.65		24	0
10	QPSK	25	25	22.53	22.64	22.41			
10	HQAM	1	0	22.49	22.58	22.52			
10	HQAM	1	0	22.49	22.58	22.52		24	0
10	HQAM	1	25	22.61	22.77	22.67			
10	HQAM	1	49	22.64	22.84	22.68			
10	HQAM	25	0	21.94	21.83	21.79		23	1
10	HQAM	25	12	21.87	21.81	21.88			
10	HQAM	25	25	21.91	22.03	21.95			
10	HQAM	50	0	21.80	21.81	21.89			
10	HQAM	50	0	22.50	22.48	22.47			
10	HQAM	1	25	22.53	22.62	22.70		24	0
10	HQAM	1	49	22.55	22.69	22.73			
10	HQAM	25	0	21.81	21.77	21.85			
10	HQAM	25	12	21.85	21.88	21.85		23	1
10	HQAM	25	25	21.77	21.85	22.07			
10	HQAM	50	0	21.86	21.82	22.00			
10	25QAM	1	0	18.52	18.86	18.66			
10	25QAM	1	25	18.53	18.76	18.62		20	4
10	25QAM	1	49	18.53	18.68	18.68			
10	25QAM	25	0	18.91	18.72	18.53			
10	25QAM	25	12	18.77	18.77	18.71		20	4
10	25QAM	25	25	18.77	18.54	18.55			
10	25QAM	50	0	18.74	18.64	18.62			
Channel									
Frequency (MHz)				25175.5	25255.5	25335.5	Tune-up limit (dBm)	MFR (dB)	
5	QPSK	1	0	22.23	22.61	22.46		24	0
5	QPSK	1	12	22.49	22.62	22.62			
5	QPSK	1	24	22.57	22.69	22.72			
5	QPSK	12	0	22.53	22.62	22.59			
5	QPSK	12	7	22.41	22.46	22.51		24	0
5	QPSK	12	13	22.54	22.55	22.50			
5	QPSK	25	0	22.25	22.54	22.41			
5	HQAM	1	0	22.62	22.57	22.65			
5	HQAM	1	12	22.77	22.72	22.77		24	0
5	HQAM	1	24	22.86	22.85	22.74			
5	HQAM	12	0	21.72	21.78	21.79			
5	HQAM	12	7	21.80	21.89	21.87		23	1
5	HQAM	12	13	21.88	21.82	22.14			
5	HQAM	25	0	21.79	21.81	21.88			
5	HQAM	25	0	22.44	22.62	22.44		24	0
5	HQAM	12	7	21.84	21.78	21.85			
5	HQAM	12	13	21.86	22.02	21.99			
5	HQAM	25	0	21.81	21.80	21.83			
5	25QAM	1	0	18.58	18.50	18.62			
5	25QAM	1	12	18.74	18.61	18.60		20	4
5	25QAM	1	24	18.57	18.70	18.78			
5	25QAM	12	0	18.60	18.80	18.62			
5	25QAM	12	7	18.71	18.70	18.66			
5	25QAM	12	13	18.67	18.63	18.69		20	4
5	25QAM	25	0	18.54	18.79	18.74			

Band 41 Ant1_PC3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MFR (dB)
Channel									
Frequency (MHz)				39750	40185	40600	41058	41540	
20	QPSK	1	0	22.74	22.80	22.73	22.86	22.93	
20	QPSK	1	49	22.78	22.86	22.89	22.88	22.78	24
20	QPSK	1	99	22.79	22.80	22.79	22.81	22.73	
20	QPSK	50	0	22.58	22.44	22.62	22.48	22.40	
20	QPSK	50	24	22.46	22.38	22.48	22.57	22.59	24
20	QPSK	50	49	22.58	22.48	22.48	22.53	22.59	
20	QPSK	100	0	22.39	22.34	22.58	22.44	22.50	
20	16QAM	1	0	22.83	22.28	22.27	22.13	22.18	24
20	16QAM	1	49	22.83	22.28	22.27	22.13	22.18	
20	16QAM	1	99	22.43	22.38	22.37	22.29	22.30	
20	16QAM	50	0	21.99	21.48	21.52	21.46	21.40	
20	16QAM	50	24	21.64	21.38	21.46	21.51	21.59	
20	16QAM	50	50	21.60	21.36	21.45	21.47	21.55	
20	16QAM	100	0	21.60	21.36	21.45	21.49	21.57	
20	64QAM	1	0	22.43	22.26	22.24	22.12	22.14	
20	64QAM	1	49	22.58	22.37	22.34	22.47	22.49	24
20	64QAM	1	99	22.53	22.15	22.35	22.33	22.37	
20	64QAM	50	0	21.80	21.41	21.34	21.43	21.35	
20	64QAM	50	24	21.60	21.39	21.48	21.58	21.44	
20	64QAM	50	50	21.59	21.33	21.44	21.47	21.52	
20	64QAM	100	0	21.55	21.33	21.35	21.47	21.39	
20	25QAM	1	0	18.41	18.37	18.54	18.27	18.23	
20	25QAM	1	49	18.42	18.45	18.34	18.49	18.48	
20	25QAM	1	99	18.50	18.37	18.46	18.27	18.44	
20	25QAM	50	0	18.37	18.16	18.37	18.16	18.37	
20	25QAM	50	24	18.25	18.08	18.26	18.35	18.35	
20	25QAM	50	50	18.32	18.10	18.26	18.32	18.30	
20	25QAM	100	0	18.15	18.08	18.26	18.30	18.13	
Channel									
Frequency (MHz)				39723.5	40173.5	40600	41058	41515	
15	QPSK	1	0	22.57	22.43	22.73	22.78	22.93	
15	QPSK	1	37	22.62	22.40	22.81	22.87	22.71	24.00
15	QPSK	1	74	22.67	22.40	22.80	22.79	22.61	
15	QPSK	36	0	22.34	22.34	22.48	22.35	22.37	
15	QPSK	36	20	22.20	22.32	22.41	22.49	22.34	24
15	QPSK	36	56	22.40	22.35	22.45	22.52	22.38	
15	QPSK	75	0	22.30	22.21	22.49	22.39	22.39	
15	16QAM	1	0	22.39	22.25	22.21	22.05	22.09	24
15	16QAM	1	37	22.28	22.12	22.13	22.04	22.07	
15	16QAM	1	74	22.26	22.18	22.19	22.23	22.25	
15	16QAM	36	0	21.40	21.42	21.06	21.39	21.35	
15	16QAM	36	20	21.40	21.12	21.12	21.41	21.38	24
15	16QAM	36	56	21.35	21.22	21.32	21.22	21.31	
15	16QAM	75	0	21.46	21.16	21.16	21.34	21.27	
15	64QAM	1	0	22.19	22.19	22.19	22.15	22.09	
15	64QAM	1	37	22.42	22.23	22.15	22.33	22.33	
15	64QAM	36	0	21.56	21.33	21.33	21.50	21.33	24
15	64QAM	36	20	21.40	21.31	21.27	21.49	21.27	
15	64QAM	36	56	21.40	21.27	21.27	21.49	21.38	
15	64QAM	75	0	21.45	21.06	21.29	21.42	21.29	
15	25QAM	1	0	18.40	18.20	18.16	18.38	18.44	
15	25QAM	1	37	18.39	18.07	18.40	18.13	18.45	24
15	25QAM	1	74	18.36	18.16	18.36	18.16	18.36	
15	25QAM	36	0	18.03	18.08	18.12	18.26	18.27	
15	25QAM	36	20	18.09	18.02	18.17	18.06	18.14	24
15	25QAM	36	56	18.12	18.24	18.24	18.12	18.24	
Channel									
Frequency (MHz)				39720	40160	40600	41058	41540	
15	QPSK	1	0	22.60	22.43	22.73	22.78	22.93	
15	QPSK	1	25	22.53	22.59	22.43	22.76	22.77	24.00
15	QPSK	1	50	22.70	22.46	22.70	22.70	22.70	
15	QPSK	25	0	22.32	22.36	22.53	22.43	22.23	
15	QPSK	25	12	22.27	22.33	22.36	22.42	22.36	24
15	QPSK	25	37	22.53	22.27	22.53	22.53	22.53	
15	QPSK	50	0	22.10	22.16	22.32	22.30	22.47	
15	16QAM	1	0	22.29	22.27	22.26	22.19	22.29	24
15	16QAM	1	25	22.27	22.27	22.27	22.27	22.27	
15	16QAM	1	49	22.28	22.34	22.28	22.08	22.25	
15	16QAM	25	0	21.37	21.40	21.07	21.27	21.15	
15	16QAM	25	12	21.43	21.27	21.43	21.43	21.43	
15	16QAM	25	25	21.38	21.17	21.23	21.28	21.30	
15	16QAM	25	50	21.43	21.27	21.43	21.43	21.43	
15	64QAM	1	0	22.18	22.03	22.03	22.02	22.12	
15	64QAM	1	25	22.41	22.16	22.15	22.29	22.35	24
15	64QAM	1	49	22.07	22.11	22.11	22.07	22.27	
15	64QAM	25	0	21.49	21.29	21.17	21.28	21.32	
15	64QAM	25	12	21.43	21.21	21.26	21.14	21.21	
15	64QAM	25	25	21.47	21.14	21.14	21.27	21.27	24
15	64QAM	50	0	21.38	21.07	21.24	21.41	21.27	
15	25QAM	1	0	18.27	18.14	18.27	18.14	18.26	
15	25QAM	1	25	18.46	18.35	18.34	18.46	18.25	24
15	25QAM	1	49	18.42	18.11	18.29	18.17	18.27	
15	25QAM	25	0	18.26	18.26	18.26	18.03	18.03	
15	25QAM	25	12	18.06	18.25	18.06	18.21	18.15	24
15	25QAM	25	25	18.26	18.27	18.06	18.03	18.13	
15	25QAM	50	0	18.13	18.19	18.20	18.09	18.09	
Channel									
Frequency (MHz)				39675	40140	40600	41058	41565	
15	QPSK	1	0	22.66	22.46	22.73	22.74	22.93	
15	QPSK	1	12	22.68	22.46	22.53	22.62	22.68	24.00
15	QPSK	1	25	22.68	22.46	22.53	22.62	22.68	
15	QPSK	12	0	22.34	22.41	22.56	22.28	22.15	
15	QPSK	12	7	22.34	22.34	22.25	22.41	22.39	24
15	QPSK	12	12	22.46	22.38	22.37	22.38	22.48	
15	QPSK	25	0	22.13	22.27	22.33	22.27	22.28	
15	QPSK	25	7	22.46	22.23	22.08	22.07	22.08	24
15	QPSK	25	12	22.27	22.33	22.17	22.28	22.34	
15	QPSK	50	0	22.17	22.12	22.23	22.10	22.28	
15	16QAM	1	0	22.26	22.16	22.16	22.16	22.25	24
15	16QAM	12	7	21.40	21.25	21.24	21.47	21.51	
15	16QAM	12	12	21.43	21.14	21.23	21.44	21.23	
15	16QAM	25	0	21.38	21.14	21.23	21.44	21.23	
15	64QAM	1	0	22.12	22.03	22.02	22.02	22.12	
15	64QAM	1	12	22.41	22.16	22.15	22.29	22.35	24
15	64QAM	1	25	22.07	22.11	22.11	22.07	22.27	
15	64QAM	12	0	21.42	21.27	21.16	21.19	21.53	
15	64QAM	12	7	21.56	21.23	21.39	21.44	21.25	
15	64QAM	12	12	21.47	21.26	21.34	21.38	21.29	
15	64QAM	25	0	21.40	21.18	21.18	21.43	21.32	
15	25QAM	1	0	18.24	18.24	18.24	18.03	18.14	
15	25QAM	1	12	18.31	18.15	18.33	18.35	18.34	
15	25QAM	1	25	18.23	18.27	18.37	18.02	18.21	24
15	25QAM	12	0	18.27	18.19	18.21	18.17	18.04	
15	25QAM	12	7	18.12	18.18	18.13	18.06	18.30	
15	25QAM	12	12	18.22	18.22	18.22	18.17	18.13	
15	25QAM	12	25	18.13	18.08	18.16	18.16	18.16	

Band 48 Ant2_Full Power										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				55340	55830	56150	56640			
Frequency (MHz)				3560	3609	3641	3690			
20	QPSK	1	0	22.30	22.46	22.50	22.33	24	0	
20	QPSK	1	49	22.46	22.32	22.48	22.29			
20	QPSK	1	99	22.37	22.31	22.46	22.40			
20	QPSK	50	0	21.46	21.38	21.44	21.41			
20	QPSK	50	24	21.33	21.42	21.49	21.43	23	1	
20	QPSK	50	50	21.57	21.41	21.58	21.45			
20	QPSK	100	0	21.28	21.44	21.46	21.38			
20	16QAM	1	0	21.32	21.44	21.44	21.23			
20	16QAM	1	49	21.52	21.50	21.53	21.48	23	1	
20	16QAM	1	99	21.44	21.31	21.50	21.44			
20	16QAM	50	0	20.33	20.47	20.46	20.45			
20	16QAM	50	24	20.42	20.44	20.49	20.49			
20	16QAM	50	50	20.49	20.57	20.57	20.57	22	2	
20	16QAM	100	0	20.48	20.39	20.47	20.40			
20	64QAM	1	0	20.34	20.33	20.48	20.48			
20	64QAM	1	49	20.23	20.29	20.42	20.38			
20	64QAM	1	99	20.42	20.34	20.41	20.34	22	2	
20	64QAM	50	0	19.23	19.23	19.35	19.20			
20	64QAM	50	24	19.31	19.35	19.44	19.40			
20	64QAM	50	50	19.51	19.54	19.53	19.55			
20	64QAM	100	0	19.25	19.29	19.37	19.36	21	3	
20	256QAM	1	0	17.33	17.24	17.39	17.28			
20	256QAM	1	49	17.46	17.53	17.51	17.37			
20	256QAM	1	99	17.31	17.38	17.41	17.28			
20	256QAM	50	0	17.36	17.35	17.45	17.27	19	5	
20	256QAM	50	24	17.25	17.34	17.46	17.28			
20	256QAM	50	50	17.52	17.51	17.55	17.33			
20	256QAM	100	0	17.38	17.42	17.43	17.40			
Channel				55315	55820	56180	56665	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3557.5	3608	3642	3692.5			
15	QPSK	1	0	22.15	22.38	22.39	22.18			
15	QPSK	1	37	22.32	22.33	22.32	22.21	24	0	
15	QPSK	1	74	22.28	22.19	22.27	22.33			
15	QPSK	36	0	21.25	21.23	21.43	21.36			
15	QPSK	36	20	21.19	21.31	21.40	21.27			
15	QPSK	36	39	21.43	21.22	21.50	21.34	23	1	
15	QPSK	75	0	21.20	21.44	21.35	21.31			
15	16QAM	1	0	21.22	21.29	21.23	21.11			
15	16QAM	1	37	21.53	21.50	21.31	21.34			
15	16QAM	1	74	21.23	21.26	21.38	21.31	23	1	
15	16QAM	36	0	20.15	20.38	20.30	20.25			
15	16QAM	36	20	20.40	20.23	20.31	20.27			
15	16QAM	36	39	20.35	20.49	20.56	20.47			
15	16QAM	75	0	20.28	20.23	20.44	20.26	22	2	
15	64QAM	1	0	20.26	20.15	20.32	20.32			
15	64QAM	1	37	20.06	20.13	20.27	20.36			
15	64QAM	1	74	20.41	20.25	20.32	20.26			
15	64QAM	36	0	19.03	19.11	19.25	19.09	22	2	
15	64QAM	36	20	19.17	19.16	19.43	19.37			
15	64QAM	36	39	19.30	19.39	19.44	19.50			
15	64QAM	75	0	19.25	19.29	19.33	19.36			
15	256QAM	1	0	17.26	17.18	17.39	17.17	19	5	
15	256QAM	1	37	17.40	17.50	17.52	17.30			
15	256QAM	1	74	17.17	17.24	17.34	17.15			
15	256QAM	36	0	17.28	17.15	17.28	17.25			
15	256QAM	36	20	17.08	17.17	17.36	17.16	19	5	
15	256QAM	36	39	17.51	17.30	17.43	17.34			
15	256QAM	75	0	17.33	17.29	17.28	17.21			
Channel				55290	55815	56165	56690			Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3642.5	3695			
10	QPSK	1	0	22.10	22.28	22.30	22.11			
10	QPSK	1	25	22.31	22.33	22.41	22.11	24	0	
10	QPSK	1	49	22.21	22.31	22.32	22.41			
10	QPSK	25	0	21.30	21.28	21.33	21.24			
10	QPSK	25	12	21.19	21.32	21.48	21.25			
10	QPSK	25	25	21.53	21.36	21.39	21.35	23	1	
10	QPSK	50	0	21.21	21.35	21.42	21.30			
10	16QAM	1	0	21.28	21.31	21.34	21.15			
10	16QAM	1	25	21.40	21.49	21.50	21.29			
10	16QAM	1	49	21.34	21.27	21.49	21.45	23	1	
10	16QAM	25	0	20.27	20.33	20.32	20.27			
10	16QAM	25	12	20.35	20.35	20.33	20.38			
10	16QAM	25	25	20.50	20.50	20.41	20.43			
10	16QAM	50	0	20.40	20.36	20.40	20.26	22	2	
10	64QAM	1	0	20.13	20.34	20.50	20.45			
10	64QAM	1	25	20.19	20.08	20.28	20.18			
10	64QAM	1	49	20.28	20.34	20.31	20.25			
10	64QAM	25	0	19.21	19.20	19.37	19.01	21	3	
10	64QAM	25	12	19.14	19.20	19.44	19.39			
10	64QAM	25	25	19.34	19.47	19.46	19.48			
10	64QAM	50	0	19.24	19.13	19.23	19.20			
10	256QAM	1	0	17.18	17.21	17.19	17.25	19	5	
10	256QAM	1	25	17.47	17.52	17.51	17.15			
10	256QAM	1	49	17.10	17.17	17.39	17.27			
10	256QAM	25	0	17.25	17.34	17.32	17.11			
10	256QAM	25	12	17.09	17.34	17.34	17.20	19	5	
10	256QAM	25	25	17.53	17.46	17.48	17.12			
10	256QAM	50	0	17.30	17.38	17.35	17.38			
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3552.5	3607	3643	3697.5			
5	QPSK	1	0	22.26	22.26	22.44	22.19			
5	QPSK	1	12	22.27	22.19	22.35	22.24	24	0	
5	QPSK	1	24	22.34	22.12	22.39	22.29			
5	QPSK	12	0	21.35	21.37	21.35	21.26			
5	QPSK	12	7	21.27	21.43	21.39	21.26			
5	QPSK	12	13	21.56	21.43	21.54	21.25	23	1	
5	QPSK	25	0	21.25	21.43	21.38	21.32			
5	16QAM	1	0	21.10	21.39	21.36	21.21			
5	16QAM	1	12	21.42	21.47	21.32	21.47			
5	16QAM	1	24	21.38	21.12	21.50	21.24	22	2	
5	16QAM	12	0	20.35	20.43	20.29	20.41			
5	16QAM	12	7	20.29	20.23	20.37	20.28			
5	16QAM	12	13	20.29	20.56	20.46	20.36			
5	16QAM	25	0	20.30	20.34	20.42	20.34	22	2	
5	64QAM	1	0	20.22	20.23	20.31	20.30			
5	64QAM	1	12	20.18	20.09	20.21	20.40			
5	64QAM	1	24	20.41	20.27	20.31	20.14			
5	64QAM	12	0	19.01	19.16	19.15	19.08	21	3	
5	64QAM	12	7	19.24	19.14	19.30	19.20			
5	64QAM	12	13	19.46	19.51	19.44	19.49			
5	64QAM	25	0	19.12	19.20	19.24	19.29			
5	256QAM	1	0	17.13	17.06	17.24	17.16	19	5	
5	256QAM	1	12	17.43	17.54	17.33	17.20			
5	256QAM	1	24	17.23	17.23	17.35	17.27			
5	256QAM	12	0	17.32	17.19	17.41	17.11	19	5	
5	256QAM	12	7	17.14	17.34	17.46	17.17			
5	256QAM	12	13	17.32	17.45	17.42	17.28			
5	256QAM	25	0	17.17	17.43	17.39	17.41			

Reduced Power Mode for WWAN

GSM850 Ant0 DS12 Standalone

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	(dBm)	824.2	836.4	848.8	(dBm)
Frequency (MHz)	824.2	836.4	848.8	33.50	23.52	23.27	23.21	24.50
GSM 1 Tx slot	32.52	32.27	32.21	33.50	23.52	23.27	23.21	24.50
GPRS 1 Tx slot	32.52	32.27	32.21	33.50	23.52	23.27	23.21	24.50
GPRS 2 Tx slots	29.72	29.46	29.37	30.00	23.72	23.46	23.37	24.00
GPRS 3 Tx slots	28.29	28.02	27.82	29.50	24.03	23.76	23.66	25.24
GPRS 4 Tx slots	26.57	26.32	26.18	27.50	23.57	23.32	23.18	24.50
EDGE 1 Tx slot	25.29	25.38	25.33	27.00	16.29	16.38	16.33	18.00
EDGE 2 Tx slots	23.54	23.76	23.74	25.00	17.54	17.76	17.74	19.00
EDGE 3 Tx slots	22.31	22.45	22.39	24.00	16.05	16.19	16.13	19.74
EDGE 4 Tx slots	20.21	20.43	20.30	22.00	17.21	17.43	17.30	18.00

GSM1900 Ant0 DS12 Standalone

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	1880	1909.8	(dBm)	1850.2	1880	1909.8	(dBm)
Frequency (MHz)	1850.2	1880	1909.8	30.50	21.48	21.35	21.29	21.50
GSM 1 Tx slot	30.48	30.35	30.29	30.50	21.48	21.35	21.29	21.50
GPRS 1 Tx slot	30.48	30.35	30.29	30.50	21.48	21.35	21.29	21.50
GPRS 2 Tx slots	26.47	26.63	26.64	27.50	20.47	20.63	20.64	21.50
GPRS 3 Tx slots	25.42	25.61	25.23	26.50	21.16	21.35	20.97	22.24
GPRS 4 Tx slots	23.27	22.93	22.80	24.00	20.27	19.93	19.90	21.00
EDGE 1 Tx slot	25.18	25.27	25.16	26.50	16.18	16.27	16.16	17.50
EDGE 2 Tx slots	23.60	23.78	23.67	24.50	17.60	17.78	17.67	18.50
EDGE 3 Tx slots	22.48	22.66	22.56	23.50	16.22	16.40	16.30	19.24
EDGE 4 Tx slots	20.24	20.35	20.31	21.00	17.24	17.35	17.31	18.00

WCDMA II Ant0 DS12 Standalone

WCDMA IV Ant0 DS12 Standalone

WCDMA V Ant0 DS12 Standalone

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
TX Channel	9662	9800	9938	(dBm)	1537	1638	1738	(dBm)	4367	4407	4458	(dBm)	
Frequency (MHz)	1552.4	1600	1607.4	1412.4	1712.2	1614.6	1514.6	926.4	836.4	846.6	846.6	25.00	
3GPP Rel 99	AMR 12.2Kbps	23.73	23.90	23.85	25.00	23.63	23.72	23.61	25.00	24.11	24.21	24.27	25.00
3GPP Rel 99	RMC 12.2Kbps	23.79	24.02	23.94	25.00	23.78	23.86	23.66	25.00	24.17	24.35	24.32	25.00
3GPP Rel 6	HSDPA Subtest-1	23.10	23.11	23.10	24.00	23.26	23.15	22.92	24.00	23.17	23.25	23.31	24.00
3GPP Rel 6	HSDPA Subtest-2	23.11	23.15	22.82	24.00	23.21	23.15	22.93	24.00	23.15	23.23	23.33	24.00
3GPP Rel 6	HSDPA Subtest-3	22.53	22.61	22.60	23.50	22.76	22.67	22.42	23.50	22.65	22.74	22.80	23.50
3GPP Rel 6	HSDPA Subtest-4	22.59	22.64	22.60	23.50	22.74	22.70	22.41	23.50	22.65	22.77	22.78	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.95	22.97	23.05	24.00	23.16	22.99	22.82	24.00	23.04	23.19	23.32	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.07	23.02	22.73	24.00	23.11	22.99	22.79	24.00	23.16	23.07	23.15	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.47	22.52	22.39	23.50	22.54	22.55	22.39	23.50	22.44	22.68	22.64	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.39	22.48	22.57	23.50	22.58	22.51	22.33	23.50	22.49	22.61	22.74	23.50
3GPP Rel 6	HSUPA Subtest-1	23.09	23.12	23.08	24.00	23.20	23.15	22.92	24.00	23.51	23.55	23.61	24.00
3GPP Rel 6	HSUPA Subtest-2	21.12	21.09	21.08	22.00	21.20	21.15	20.96	22.00	21.51	21.56	21.63	22.00
3GPP Rel 6	HSUPA Subtest-3	22.11	22.11	22.05	23.00	22.25	22.14	21.88	23.00	22.49	22.55	22.56	23.00
3GPP Rel 6	HSUPA Subtest-4	21.10	21.12	21.10	22.00	21.25	21.15	20.89	22.00	21.47	21.57	21.63	22.00
3GPP Rel 6	HSUPA Subtest-5	23.09	23.10	23.11	24.00	23.20	23.10	22.90	24.00	23.50	23.50	23.60	24.00

GSM850 Ant0 DS12 Simultaneous

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	169	251		128	169	251	
TX Channel	124.2	83.4	84.3		82.4	83.4	84.3	
Frequency (MHz)	32.52	32.27	32.21	33.50	23.52	23.27	23.21	24.50
GSM 1 Tx slot	32.52	32.27	32.21	33.50	23.52	23.27	23.21	24.50
GPRS 1 Tx slot	29.72	29.46	29.37	30.00	23.72	23.46	23.37	24.00
GPRS 2 Tx slots	28.29	28.02	27.92	29.50	24.03	23.76	23.66	25.24
GPRS 3 Tx slots	26.57	26.32	26.18	27.50	23.57	23.32	23.18	24.50
EDGE 1 Tx slot	25.29	25.38	25.33	27.00	16.29	16.38	16.33	18.00
EDGE 2 Tx slots	23.54	23.76	23.74	25.00	17.54	17.76	17.74	19.00
EDGE 3 Tx slots	22.31	22.45	22.39	24.00	18.05	18.19	18.13	19.74
EDGE 4 Tx slots	20.21	20.43	20.30	22.00	17.21	17.43	17.30	19.00

GSM1900 Ant0 DS12 Simultaneous

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	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)	30.48	30.35	30.29	30.50	21.48	21.35	21.29	21.50
GSM 1 Tx slot	30.48	30.35	30.29	30.50	21.48	21.35	21.29	21.50
GPRS 1 Tx slot	26.47	26.63	26.64	27.50	20.47	20.63	20.64	21.50
GPRS 2 Tx slots	25.42	25.61	25.23	26.50	21.16	21.35	20.97	22.24
GPRS 3 Tx slots	23.27	22.93	22.90	24.00	20.27	19.93	19.90	21.00
EDGE 1 Tx slot	25.18	25.27	25.16	26.50	16.18	16.27	16.16	17.50
EDGE 2 Tx slots	23.60	23.78	23.67	24.50	17.60	17.78	17.67	18.50
EDGE 3 Tx slots	22.48	22.66	22.56	23.50	18.22	18.40	18.30	19.24
EDGE 4 Tx slots	20.24	20.35	20.31	21.00	17.24	17.35	17.31	18.00

WCDMA II Ant0 DS12 Simultaneous

WCDMA IV Ant0 DS12 Simultaneous

WCDMA V Ant0 DS12 Simultaneous

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
TX 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 12.2Kops	23.73	23.90	23.88	25.00	23.63	23.72	23.61	25.00	24.11	24.21	24.27	25.00
3GPP Rel 99	RMC 12.2Kops	23.79	24.02	23.94	25.00	23.78	23.86	23.66	25.00	24.17	24.35	24.32	25.00
3GPP Rel 6	HSDPA Subtest-1	23.10	23.11	23.10	24.00	23.26	23.15	22.92	24.00	23.17	23.25	23.31	24.00
3GPP Rel 6	HSDPA Subtest-2	23.11	23.15	22.82	24.00	23.21	23.15	22.93	24.00	23.15	23.23	23.33	24.00
3GPP Rel 6	HSDPA Subtest-3	22.53	22.61	22.60	23.50	22.76	22.67	22.42	23.50	22.65	22.74	22.80	23.50
3GPP Rel 6	HSDPA Subtest-4	22.59	22.64	22.60	23.50	22.74	22.70	22.41	23.50	22.65	22.77	22.78	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.05	22.97	23.05	24.00	23.16	22.99	22.82	24.00	23.04	23.19	23.32	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.07	23.02	22.73	24.00	23.11	22.99	22.79	24.00	23.16	23.07	23.15	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.47	22.52	22.39	23.50	22.54	22.55	22.39	23.50	22.44	22.68	22.64	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.39	22.48	22.57	23.50	22.58	22.51	22.33	23.50	22.49	22.61	22.74	23.50
3GPP Rel 8	HSUPA Subtest-1	23.09	23.12	23.08	24.00	23.20	23.15	22.92	24.00	23.51	23.55	23.61	24.00
3GPP Rel 6	HSUPA Subtest-2	21.12	21.09	21.08	22.00	21.20	21.15	20.96	22.00	21.51	21.56	21.63	22.00
3GPP Rel 6	HSUPA Subtest-3	22.11	22.11	22.05	23.00	22.25	22.14	21.98	23.00	22.49	22.55	22.56	23.00
3GPP Rel 6	HSUPA Subtest-4	21.10	21.12	21.10	22.00	21.25	21.15	20.89	22.00	21.47	21.57	21.63	22.00
3GPP Rel 6	HSUPA Subtest-5	23.09	23.10	23.11	24.00	23.20	23.10	22.90	24.00	23.50	23.50	23.60	24.00



Band 2 Ant0 DS12 Standalone												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up time (sec)	MFR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	23.02	23.03	23.73	24	0				
20	QPSK	1	49	22.97	22.97	23.74						
20	QPSK	1	99	22.89	22.87	23.68						
20	QPSK	50	0	23.04	23.05	23.74						
20	QPSK	50	24	22.97	22.98	23.74	24	0				
20	QPSK	50	50	23.04	23.05	23.72						
20	QPSK	100	0	23.05	23.07	23.82						
20	16QAM	1	49	23.07	22.85	23.86						
20	16QAM	1	99	22.75	22.71	23.77	24	0				
20	16QAM	50	0	22.24	22.24	23.24						
20	16QAM	50	24	22.31	22.29	23.20						
20	16QAM	50	50	22.25	22.24	23.21						
20	16QAM	100	0	22.27	22.26	23.27	24	0				
20	64QAM	1	0	22.94	22.95	23.80						
20	64QAM	1	49	23.09	22.94	23.85						
20	64QAM	1	99	22.90	22.77	23.84	24	0				
20	64QAM	50	0	22.40	22.41	23.28						
20	64QAM	50	24	22.49	22.46	23.29						
20	64QAM	50	50	22.42	22.39	23.40						
20	64QAM	100	0	22.47	22.45	23.36	20	4				
20	256QAM	1	0	19.35	19.42	19.45						
20	256QAM	1	49	19.35	19.42	19.45						
20	256QAM	1	99	19.27	19.16	19.13						
20	256QAM	1	14	19.47	19.47	19.47	20	4				
20	256QAM	50	24	19.47	19.43	19.05						
20	256QAM	50	50	19.52	19.47	19.04						
20	256QAM	100	0	19.35	19.47	19.05						
Channel				18615	18600	19015	Turn-up time (sec)	MFR (dB)				
Frequency (MHz)												
16	QPSK	1	0	23.02	22.91	22.80	24	0				
16	QPSK	1	37	23.06	22.97	22.82						
16	QPSK	1	74	22.92	22.86	22.99						
16	QPSK	36	0	23.08	22.84	22.84						
16	QPSK	36	39	23.05	22.96	22.99	24	0				
16	QPSK	75	0	23.01	22.99	23.00						
16	16QAM	1	0	22.86	22.85	23.83						
16	16QAM	1	37	22.98	22.89	22.87						
16	16QAM	1	74	22.86	22.78	22.84	24	0				
16	16QAM	36	0	22.30	22.29	22.19						
16	16QAM	36	39	22.27	22.25	23.26						
16	16QAM	75	0	22.28	22.24	23.25						
16	64QAM	1	0	22.93	22.87	23.86	24	0				
16	64QAM	1	37	22.90	22.86	23.88						
16	64QAM	1	74	22.84	22.77	23.81						
16	64QAM	36	0	22.48	22.39	23.37						
16	64QAM	36	39	22.47	22.36	23.34	24	0				
16	64QAM	36	74	22.41	22.42	23.43						
16	64QAM	75	0	22.45	22.43	23.44						
16	256QAM	1	0	19.51	19.50	19.51						
16	256QAM	1	37	19.27	19.34	19.36	20	4				
16	256QAM	1	74	19.39	19.33	19.17						
16	256QAM	36	0	19.45	19.45	19.34						
16	256QAM	36	39	19.38	19.47	19.38						
16	256QAM	36	74	19.36	19.47	19.36	20	4				
16	256QAM	75	0	19.48	19.48	19.37						
Channel				18620	18600	19175			Turn-up time (sec)	MFR (dB)		
Frequency (MHz)												
10	QPSK	1	0	22.89	22.85	23.81	24	0				
10	QPSK	1	25	22.93	22.88	22.91						
10	QPSK	1	49	22.81	22.77	23.87						
10	QPSK	1	74	22.94	22.87	23.89						
10	QPSK	25	12	23.03	22.93	23.00	24	0				
10	QPSK	25	25	22.94	22.88	23.93						
10	QPSK	50	0	22.86	22.86	23.89						
10	16QAM	1	0	22.86	22.84	23.89						
10	16QAM	1	25	22.87	22.85	23.83	24	0				
10	16QAM	1	49	22.80	22.71	23.77						
10	16QAM	25	0	22.26	22.14	22.10						
10	16QAM	25	12	22.24	22.17	23.19						
10	16QAM	50	0	22.17	22.14	23.14	24	0				
10	16QAM	50	0	22.19	22.15	23.18						
10	64QAM	1	0	22.96	22.82	23.81						
10	64QAM	1	25	22.87	22.86	23.87						
10	64QAM	1	49	22.80	22.71	23.77	24	0				
10	64QAM	25	0	22.47	22.38	23.30						
10	64QAM	25	12	22.44	22.32	23.30						
10	64QAM	25	25	22.37	22.30	23.32						
10	64QAM	50	0	22.38	22.35	23.35	20	4				
10	256QAM	1	0	19.38	19.45	19.46						
10	256QAM	1	25	19.29	19.30	19.34						
10	256QAM	1	49	19.26	19.36	19.16						
10	256QAM	25	0	19.34	19.47	19.43	20	4				
10	256QAM	25	12	19.49	19.38	19.36						
10	256QAM	25	25	19.42	19.43	19.42						
10	256QAM	50	0	19.54	19.45	19.31						
Channel				18625	18600	19175	Turn-up time (sec)	MFR (dB)				
Frequency (MHz)												
5	QPSK	1	0	22.89	22.84	23.81	24	0				
5	QPSK	1	12	23.01	22.94	23.89						
5	QPSK	1	24	22.88	22.87	23.84						
5	QPSK	12	0	23.08	23.00	23.89						
5	QPSK	12	7	23.03	22.95	23.00	24	0				
5	QPSK	12	13	22.93	22.89	23.92						
5	QPSK	25	0	23.02	22.93	23.96						
5	16QAM	1	0	23.01	22.95	23.85						
5	16QAM	1	12	23.03	22.99	23.81	24	0				
5	16QAM	1	24	22.91	22.88	23.89						
5	16QAM	12	0	22.35	22.30	23.14						
5	16QAM	12	7	22.30	22.22	23.23						
5	16QAM	12	13	22.25	22.15	23.16	24	0				
5	16QAM	25	0	22.26	22.15	23.16						
5	64QAM	1	0	22.91	22.85	23.86						
5	64QAM	1	12	22.92	22.86	23.88						
5	64QAM	12	7	22.49	22.42	23.39	24	0				
5	64QAM	12	13	22.37	22.32	23.29						
5	64QAM	25	0	22.45	22.38	23.37						
5	64QAM	15	0	19.41	19.45	19.44						
5	256QAM	1	0	19.41	19.45	19.44	20	4				
5	256QAM	1	12	19.33	19.49	19.37						
5	256QAM	12	0	19.45	19.45	19.44						
5	256QAM	12	7	19.42	19.43	19.42	20	4				
5	256QAM	12	13	19.45	19.40	19.46						
5	256QAM	25	0	19.49	19.41	19.41						
Channel				18630	18600	19175	Turn-up time (sec)	MFR (dB)				
Frequency (MHz)												
3	QPSK	1	0	22.92	22.87	23.84	24	0				
3	QPSK	1	8	22.98	22.89	22.96						
3	QPSK	1	16	22.79	22.75	23.87						
3	QPSK	8	0	22.96	22.94	23.87						
3	QPSK	8	4	22.91	22.83	23.82	24	0				
3	QPSK	8	12	22.89	22.84	23.83						
3	QPSK	16	0	22.94	22.89	23.81						
3	QPSK	16	8	22.90	22.85	23.81						
3	16QAM	1	0	22.90	22.85	23.81	24	0				
3	16QAM	1	8	22.92	22.83	22.86						
3	16QAM	1	16	22.78	22.75	23.84						
3	16QAM	8	0	22.23	22.13	22.11						
3	16QAM	8	4	22.22	22.20	22.17	24	0				
3	16QAM	8	12	22.17	22.11	22.11						
3	16QAM	16	0	22.15	22.12	23.15						
3	16QAM	16	8	22.10	22.06	23.15						
3	64QAM	1	0	22.92	22.86	23.86	24	0				
3	64QAM	1	8	22.98	22.82	23.81						
3	64QAM	1	16	22.73	22.70	23.82						
3	64QAM	8	0	22.46	22.43	23.28						
3	64QAM	8	4	22.39	22.35	23.34	24	0				
3	64QAM	8	12	22.34	22.27	23.34						
3	64QAM	16	0	22.35	22.32	23.21						
3	256QAM	1	0	19.40	19.42	19.40						
3	256QAM	1	8	19.40	19.48	19.41	24	0				
3	256QAM	1	16	19.38	19.48	19.38						
3	256QAM	1	14	19.42	19.16	19.14						
3	256QAM	8	0	19.50	19.50	19.39						
3	256QAM	8	4	19.42	19.38	19.41	20	4				
3	256QAM	8	7	19.34	19.37	19.34						
3	256QAM	16	0	19.46	19.36	19.37						
Channel				18635	18600	19015			Turn-up time (sec)	MFR (dB)		
Frequency (MHz)												
1.4	QPSK	1	0	22.81	22.91	23.90	24	0				
1.4	QPSK	1	4	22.92	22.88	22.82						
1.4	QPSK	1	8	22.85	22.79	23.85						
1.4	QPSK	3	0	22.96	22.94	23.95						
1.4	QPSK	3	3	22.99	22.93	23.93	24	0				
1.4	QPSK	3	6	22.92	22.86	22.86						
1.4	QPSK	3	9	22.86	22.80	23.86						
1.4	QPSK	3	12	22.80	22.74	23.82						
1.4	QPSK	3	15	22.86	22.79	23.79	24	0				
1.4	QPSK	3	18	22.81	22.74	23.74						
1.4	QPSK	3	21	22.75	22.68	23.70						
1.4	QPSK	3	24	22.69	22.62	23.65						
1.4	QPSK	3	27	22.63	22.56	23.60	24	0				
1.4	QPSK	3	30	22.57	22.50	23.55						
1.4	QPSK	3	33	22.51	22.44	23.50						
1.4	QPSK	3	36	22.45	22.38	23.45						
1.4	QPSK	3	39	22.39	22.32	23.40	24	0				
1.4	QPSK	3	42	22.33	22.26	23.35						
1.4	QPSK	3	45	22.27	22.20	23.30						
1.4	QPSK	3	48	22.21	22.14	23.25						



Band 7 Ant0 DS12 Standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up Init. (sec)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	23.72	23.67	23.58			
20	QPSK	1	49	23.85	23.70	23.76	24	0	
20	QPSK	1	99	23.75	23.69	23.79			
20	QPSK	50	0	23.71	23.67	23.73			
20	QPSK	50	24	23.69	23.60	23.85			
20	QPSK	50	50	23.85	23.79	23.77	24	0	
20	QPSK	100	0	23.76	23.66	23.78			
20	16QAM	1	0	23.84	23.49	23.54			
20	16QAM	1	49	23.72	23.59	23.71	24	0	
20	16QAM	1	99	23.79	23.55	23.74			
20	16QAM	50	0	23.80	22.85	23.84			
20	16QAM	50	24	22.78	22.89	22.71	24	0	
20	16QAM	50	50	22.74	22.76	22.79			
20	16QAM	100	0	22.78	22.70	22.87			
20	64QAM	1	0	23.75	23.56	23.58			
20	64QAM	1	49	23.88	23.64	23.71	24	0	
20	64QAM	1	99	23.87	23.70	23.77			
20	64QAM	50	0	23.02	22.94	22.92			
20	64QAM	50	24	22.98	22.87	22.90	24	0	
20	64QAM	50	50	22.94	22.89	22.98			
20	64QAM	100	0	22.95	22.88	22.87			
20	256QAM	1	49	20.21	20.09	20.28	21	3	
20	256QAM	1	99	20.25	20.08	20.19			
20	256QAM	50	0	20.34	20.09	20.38			
20	256QAM	50	24	20.19	20.25	20.30	21	3	
20	256QAM	50	50	20.15	20.30	20.28			
20	256QAM	100	0	20.22	20.00	20.25			
Channel									
Frequency (MHz)									
18	QPSK	1	0	23.81	23.69	23.58			
18	QPSK	1	49	23.84	23.67	23.77	24	0	
18	QPSK	1	74	23.63	23.66	23.66			
18	QPSK	36	0	23.52	23.85	23.72			
18	QPSK	36	20	23.53	23.70	23.67	24	0	
18	QPSK	36	36	23.82	23.69	23.62			
18	QPSK	75	0	23.69	23.67	23.74			
18	16QAM	1	0	23.82	23.42	23.55			
18	16QAM	1	37	23.54	23.43	23.60	24	0	
18	16QAM	1	74	23.62	23.61	23.64			
18	16QAM	36	0	22.79	22.53	22.87			
18	16QAM	36	20	22.59	22.62	22.63	24	0	
18	16QAM	36	20	22.59	22.62	22.63			
18	16QAM	75	0	22.60	22.63	22.60			
18	64QAM	1	0	23.71	23.59	23.49	24	0	
18	64QAM	1	74	23.75	23.62	23.61			
18	64QAM	1	74	23.82	23.59	23.59			
18	64QAM	36	0	22.68	22.81	22.81	24	0	
18	64QAM	36	20	22.78	22.57	22.65			
18	64QAM	36	36	22.91	22.54	22.85			
18	64QAM	75	0	22.81	22.84	22.80			
18	256QAM	1	0	20.03	20.02	20.11			
18	256QAM	1	37	20.27	20.12	20.05	21	3	
18	256QAM	1	74	20.20	20.11	20.27			
18	256QAM	36	0	20.13	20.28	20.12			
18	256QAM	36	20	20.13	20.28	20.12	21	3	
18	256QAM	36	36	20.16	20.12	20.07			
18	256QAM	75	0	20.14	20.02	20.11			
Channel									
Frequency (MHz)									
18	QPSK	1	0	23.50	23.35	23.05			
18	QPSK	1	25	23.79	23.58	23.77	24	0	
18	QPSK	1	49	23.78	23.68	23.57			
18	QPSK	25	0	23.73	23.68	23.71			
18	QPSK	25	12	23.54	23.79	23.81	24	0	
18	QPSK	25	25	23.68	23.70	23.56			
18	QPSK	8	0	23.59	23.82	23.71			
18	16QAM	1	0	23.44	23.50	23.39			
18	16QAM	1	25	23.57	23.53	23.70	24	0	
18	16QAM	1	49	23.78	23.41	23.66			
18	16QAM	25	0	22.71	22.58	22.53			
18	16QAM	25	12	22.58	22.68	22.58	24	0	
18	16QAM	25	25	22.58	22.71	22.48			
18	16QAM	50	0	22.69	22.58	22.55			
18	64QAM	1	0	23.60	23.44	23.58	24	0	
18	64QAM	1	25	23.70	23.45	23.50			
18	64QAM	1	49	23.74	23.55	23.76			
18	64QAM	25	0	22.91	22.74	22.74	24	0	
18	64QAM	25	12	22.46	22.84	22.80			
18	64QAM	25	25	22.85	22.81	22.95			
18	64QAM	50	0	22.88	22.88	22.79			
18	256QAM	1	0	20.01	20.26	19.87			
18	256QAM	1	25	20.30	20.18	20.22	21	3	
18	256QAM	1	49	20.19	19.97	20.14			
18	256QAM	25	0	20.17	20.27	20.09			
18	256QAM	25	12	20.10	20.31	20.18	21	3	
18	256QAM	25	25	20.26	20.31	20.20			
18	256QAM	50	0	20.13	20.27	20.28			
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.62	23.68	23.65			
5	QPSK	1	12	23.67	23.41	23.52	24	0	
5	QPSK	1	24	23.43	23.47	23.55			
5	QPSK	12	0	23.42	23.61	23.45			
5	QPSK	12	7	23.49	23.49	23.52	24	0	
5	QPSK	12	13	23.63	23.53	23.59			
5	QPSK	25	0	23.67	23.55	23.60			
5	16QAM	1	0	23.38	23.21	23.31			
5	16QAM	1	12	23.52	23.41	23.52	24	0	
5	16QAM	1	24	23.62	23.45	23.45			
5	16QAM	12	0	22.63	22.41	22.41			
5	16QAM	12	7	22.55	22.66	22.56	24	0	
5	16QAM	12	13	22.66	22.42	22.65			
5	16QAM	25	0	22.53	22.47	22.54			
5	64QAM	1	0	23.54	23.41	23.38	24	0	
5	64QAM	1	12	23.74	23.58	23.58			
5	64QAM	1	24	23.70	23.44	23.58			
5	64QAM	12	0	22.75	22.60	22.66	24	0	
5	64QAM	12	7	22.89	22.56	22.78			
5	64QAM	12	13	22.74	22.79	22.78			
5	64QAM	25	0	22.79	22.60	22.60			
5	256QAM	1	0	20.11	20.22	20.02			
5	256QAM	1	12	20.35	19.99	20.07	21	3	
5	256QAM	1	24	20.22	20.04	20.15			
5	256QAM	12	0	20.22	20.16	20.24			
5	256QAM	12	7	20.01	20.29	20.19	21	3	
5	256QAM	12	13	20.21	20.10	20.09			
5	256QAM	25	0	20.18	20.23	20.29			

Band 12 Ant0 DS12 Standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up Init. (sec)	MPR (dB)	
Channel									
Frequency (MHz)									
18	QPSK	1	0	22.96	23.10	22.88			
18	QPSK	1	25	23.05	23.10	23.15	24	0	
18	QPSK	1	49	23.12	23.13	23.11			
18	QPSK	25	0	23.04	23.10	23.08			
18	QPSK	25	12	23.14	23.09	23.12			
18	QPSK	25	25	23.14	23.08	22.99	24	0	
18	QPSK	50	0	22.98	23.13	23.08			
18	16QAM	1	0	22.99	23.09	23.07			
18	16QAM	1	25	23.04	23.00	23.10	24	0	
18	16QAM	1	49	23.08	23.08	23.10			
18	16QAM	25	0	22.92	23.05	22.95			
18	16QAM	25	12	22.45	22.38	22.46	24	0	
18	16QAM	25	25	22.45	22.47	22.52			
18	16QAM	50	0	22.41	22.37	22.39			
18	64QAM	1	0	22.88	22.87	22.91			
18	64QAM	1	25	23.04	23.12	23.15	24	0	
18	64QAM	1	49	23.08	23.06	23.13			
18	64QAM	25	0	22.92	22.92	22.99			
18	64QAM	25	12	22.63	22.67	22.63	24	0	
18	64QAM	25	25	22.64	22.67	22.70			
18	64QAM	50	0	22.61	22.59	22.60			
18	256QAM	1	25	18.44	19.41	19.41			
18	256QAM	1	25	18.48	18.54	18.45	20	4	
18	256QAM	1	49	19.53	19.53	19.58			
18	256QAM	1	49	19.52	19.47	19.47			
18	256QAM	25	12	19.47	19.54	19.59	20	4	
18	256QAM	25	25	19.52	19.43	19.40			
18	256QAM	50	0	19.50	19.45	19.45			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.80	23.03	22.77			
5	QPSK	1	12	23.02	22.94	23.11	24	0	
5	QPSK	1	49	23.12	23.13	23.11			
5	QPSK	12	0	22.84	22.99	23.00			
5	QPSK	12	7	23.09	22.89	23.05			
5	QPSK	12	14	23.07	22.92	23.02			
5	QPSK	12	20	22.92	23.04	22.99			
5	16QAM	1	0	22.85	22.74	23.03			
5	16QAM	1	12	23.07	22.90	23.10	24	0	
5	16QAM	1	49	23.12	23.13	23.12			
5	16QAM	12	0	22.24	22.15	22.38			
5	16QAM	12	7	22.44	22.24	22.40	24	0	
5	16QAM	12	14	22.43	22.31	22.43			
5	16QAM	12	20	22.31	22.17	22.25			
5	16QAM	12	27	22.11	22.01	22.08	24	0	
5	64QAM	1	24	23.00	22.88	23.05			
5	64QAM	1	24	22.92	22.86	22.96			
5	64QAM	12	7	22.81	22.38	22.63	24	0	
5	64QAM	12	14	22.66	22.69	22.48			
5	64QAM	12	20	22.52	22.62	22.40			
5	256QAM	1	0	19.43	19.51	19.45			
5	256QAM	1	12	19.41	19.51	19.46	20	4	
5	256QAM	1	49	19.53	19.53	19.58			
5	256QAM	1	49	19.52	19.47	19.47			
5	256QAM	12	0	19.33	19.59	19.42			
5	256QAM	12	7	19.43	19.49	19.51	20	4	
5	256QAM	12	14	19.35	19.44	19.44			
5	256QAM	12	20	19.31	19.42	19.45			
Channel									
Frequency (MHz)									
3	QPSK	1	0	22.71	22.94	22.70			
3	QPSK	1	8	22.82	22.89	23.04	24	0	
3	QPSK	1	16	22.93	22.93	23.00			
3	QPSK	8	0	22.96	23.05	23.00			
3	QPSK	8	4	22.86	22.87	23.02			
3	QPSK	8	12	22.80	22.80	23.04	24	0	
3	QPSK	16	0	22.71	22.92	22.97			
3	16QAM	1	0	22.74	22.82	22.89			
3	16QAM	1	8	22.82	22.80	23.07	24	0	
3	16QAM	1	16	22.93	23.04	22.79			
3	16QAM	8	0	22.16	22.24	22.25			
3	16QAM	8	4	22.22	22.08	22.27	24	0	
3	16QAM	8	12	22.17	22.07	22.25			
3	16QAM	16	0	22.28	22.22	22.31			
3	16QAM	16	8	22.27	22.16	22.27	24	0	
3	16QAM	16	16	22.18	22.08	22.05			
3	64QAM	1	14	22.17	22.88	23.03			
3	64QAM	1	14	22.21	22.81	22.97	24	0	
3	64QAM	8	4	22.39	22.45	22.48			
3	64QAM	8	4	22.39	22.40	22.48			
3	64QAM	8	7	22.41	22.50	22.58			
3	256QAM	1	0	19.43	19.69	19.60			
3	256QAM	1	8	19.42	19.63	19.63	20	4	
3	256QAM	1	16	19.51	19.64	19.64			
3	256QAM	8	0	19.56	19.54	19.55			
3	256QAM	8	4	19.44	19.43	19.56	20	4	
3	256QAM	8	4	19.44	19.43	19.56			
3	256QAM	16	0	19.25	19.61	19.35			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	22.62	22.95	23.11			
1.4	QPSK	1	3	22.66	23.00	23.15	24	0	
1.4	QPSK	1	6	22.69	23.03	23.07			
1.4	QPSK	1	9	22.69	23.01	23.11			
1.4	QPSK	1	1	22.97	23.04	23.16			
1.4	QPSK	3	0	22.97	23.00	23.12			
1.4	QPSK	3	3	22.98	23.08	23.10	24	0	
1.4	16QAM	1	0	22.94	23.14	23.14			
1.4	16QAM	1	3	22.98	23.05	23.11	24	0	
1.4	16QAM	1	6	23.01	23.01	23.13			
1.4	16QAM	1	9	22.76	23.01	22.91			
1.4	16QAM	3	0	22.94	22.78	22.91			
1.4	16QAM	3	3	22.71	22.78	22.87	24	0	
1.4	16QAM	3	6	22.39	22.45	22.58			
1.4	16QAM	3	9	22.34	22.41	22.41	24	0	
1.4	16QAM	1	1	23.01	22.97	23.10			
1.4	64QAM	1	9	22.83	22.91	23.03	24	0	
1.4	64QAM	1	9	22.83	22.91	23.03			
1.4	64QAM	3	3	22.87	22.90	23.04			
1.4	64QAM	3	3	22.86	22.88	23.01			
1.4	64QAM	3	6	22.66	22.72	22.85	24	0	
1.4	256QAM	1	1	19.37	19.58	19.28			
1.4	256QAM	1	1	19.48	19.61	19.33			
1.4	256QAM	1	3	19.47	19.53	19.63	20	4	
1.4	256QAM	1	3	19.47	19.53	19.63			
1.4	256QAM	3	0	19.35	19.62	19.25			
1.4	256QAM	3	0	19.56	19.57	19.48			
1.4	256QAM	3	3	19.47	19.58	19.58	20	4	
1.4	256QAM	3	3	19.37	19.54	19.55			



Band 14 Ant0 DSI2 Standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power Hgt Ch / Freq.	Time-up Int. (sec)	MPE (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	23.75	793				
10	QPSK	1	25	23.75	793				
10	QPSK	1	49	23.75	793		24	0	
10	QPSK	25	0	23.75	793				
10	QPSK	25	12	23.75	793				
10	QPSK	25	25	23.75	793		23	1	
10	QPSK	50	0	23.75	793				
10	QPSK	50	12	23.75	793				
10	QPSK	50	25	23.75	793		23	1	
10	16QAM	1	25	23.75	793				
10	16QAM	1	49	23.75	793				
10	16QAM	25	0	23.75	793				
10	16QAM	25	12	23.75	793		22	2	
10	16QAM	25	25	23.75	793				
10	16QAM	50	0	23.75	793				
10	16QAM	50	12	23.75	793				
10	16QAM	50	25	23.75	793		23	1	
10	64QAM	1	0	23.75	793				
10	64QAM	1	25	23.75	793		23	1	
10	64QAM	1	49	23.75	793				
10	64QAM	25	0	23.75	793				
10	64QAM	25	12	23.75	793		23	1	
10	64QAM	25	25	23.75	793				
10	64QAM	50	0	23.75	793				
10	64QAM	50	12	23.75	793		20	4	
10	256QAM	1	49	19.75	19.75	19.75			
10	256QAM	25	0	19.75	19.75	19.75	20	4	
10	256QAM	25	12	19.75	19.75	19.75			
10	256QAM	25	25	19.75	19.75	19.75			
10	256QAM	50	0	19.75	19.75	19.75			
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.75	793	793.5			
5	QPSK	1	25	23.75	793	793.5			
5	QPSK	1	49	23.75	793	793.5	24	0	
5	QPSK	12	0	23.75	793	793.5			
5	QPSK	12	7	23.75	793	793.5	23	1	
5	QPSK	25	0	23.75	793	793.5			
5	QPSK	25	12	23.75	793	793.5	23	1	
5	QPSK	25	25	23.75	793	793.5			
5	16QAM	1	12	23.75	793	793.5	23	1	
5	16QAM	1	24	23.75	793	793.5			
5	16QAM	12	0	23.75	793	793.5	22	2	
5	16QAM	12	7	23.75	793	793.5			
5	16QAM	25	0	23.75	793	793.5			
5	16QAM	25	0	23.75	793	793.5	23	1	
5	64QAM	1	0	23.75	793	793.5			
5	64QAM	1	24	23.75	793	793.5	23	1	
5	64QAM	12	0	23.75	793	793.5			
5	64QAM	12	13	23.75	793	793.5	23	1	
5	64QAM	25	0	23.75	793	793.5			
5	256QAM	1	12	19.75	19.75	19.75	20	4	
5	256QAM	1	24	19.75	19.75	19.75			
5	256QAM	12	0	19.75	19.75	19.75	20	4	
5	256QAM	12	13	19.75	19.75	19.75			
5	256QAM	25	0	19.75	19.75	19.75			

Band 17 Ant0 DSI2 Standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power Hgt Ch / Freq.	Time-up Int. (sec)	MPE (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	23.03	710	711			
10	QPSK	1	25	23.03	710	711			
10	QPSK	1	49	23.03	710	711	24	0	
10	QPSK	25	0	23.03	710	711			
10	QPSK	25	12	23.03	710	711			
10	QPSK	25	25	23.03	710	711	24	0	
10	QPSK	50	0	23.03	710	711			
10	QPSK	50	12	23.03	710	711			
10	QPSK	50	25	23.03	710	711	24	0	
10	16QAM	1	25	23.03	710	711			
10	16QAM	1	49	23.03	710	711			
10	16QAM	25	0	23.03	710	711			
10	16QAM	25	12	23.03	710	711	24	0	
10	16QAM	25	25	23.03	710	711			
10	16QAM	50	0	23.03	710	711			
10	16QAM	50	12	23.03	710	711			
10	16QAM	50	25	23.03	710	711	24	0	
10	64QAM	1	0	23.03	710	711			
10	64QAM	1	25	23.03	710	711	24	0	
10	64QAM	1	49	23.03	710	711			
10	64QAM	25	0	23.03	710	711			
10	64QAM	25	12	23.03	710	711	24	0	
10	64QAM	25	25	23.03	710	711			
10	64QAM	50	0	23.03	710	711			
10	64QAM	50	12	23.03	710	711	24	0	
10	64QAM	50	25	23.03	710	711			
10	256QAM	1	25	19.03	19.03	19.03	20	4	
10	256QAM	1	49	19.03	19.03	19.03			
10	256QAM	25	0	19.03	19.03	19.03	20	4	
10	256QAM	25	12	19.03	19.03	19.03			
10	256QAM	25	25	19.03	19.03	19.03			
10	256QAM	50	0	19.03	19.03	19.03			
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.03	710	710.5			
5	QPSK	1	25	23.03	710	710.5			
5	QPSK	1	49	23.03	710	710.5	24	0	
5	QPSK	12	0	23.03	710	710.5			
5	QPSK	12	7	23.03	710	710.5	24	0	
5	QPSK	25	0	23.03	710	710.5			
5	QPSK	25	12	23.03	710	710.5	24	0	
5	QPSK	25	25	23.03	710	710.5			
5	16QAM	1	12	23.03	710	710.5	24	0	
5	16QAM	1	24	23.03	710	710.5			
5	16QAM	12	0	23.03	710	710.5			
5	16QAM	12	7	23.03	710	710.5	24	0	
5	16QAM	25	0	23.03	710	710.5			
5	16QAM	25	0	23.03	710	710.5	24	0	
5	64QAM	1	0	23.03	710	710.5			
5	64QAM	1	24	23.03	710	710.5	24	0	
5	64QAM	12	0	23.03	710	710.5			
5	64QAM	12	13	23.03	710	710.5	24	0	
5	64QAM	25	0	23.03	710	710.5			
5	256QAM	1	12	19.03	19.03	19.03	20	4	
5	256QAM	1	24	19.03	19.03	19.03			
5	256QAM	12	0	19.03	19.03	19.03	20	4	
5	256QAM	12	13	19.03	19.03	19.03			
5	256QAM	25	0	19.03	19.03	19.03			

Band 25 Ant0 DSI2 Standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Time-up Int. (sec)	MPE (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	23.14	23.14	23.14			
20	QPSK	1	49	23.14	23.14	23.14	24	0	
20	QPSK	1	99	23.01	23.05	23.05			
20	QPSK	50	0	23.15	23.24	23.18			
20	QPSK	50	24	23.14	23.24	23.18			
20	QPSK	50	50	23.19	23.21	23.19	24	0	
20	QPSK	100	0	23.21	23.23	23.13			
20	QPSK	100	24	23.21	23.21	23.21			
20	16QAM	1	49	23.16	23.15	23.21	24	0	
20	16QAM	1	99	22.98	23.00	22.98			
20	16QAM	50	24	22.98	23.00	22.98			
20	16QAM	100	0	22.91	23.04	22.99	24	0	
20	64QAM	1	0	22.82	22.81	22.87			
20	64QAM	50	24	22.88	22.71	22.88	24	0	
20	64QAM	100	0	22.88	22.68	22.88			
20	256QAM	1	0	22.66	22.68	22.58			
20	256QAM	1	0	19.86	19.87	19.86	20	4	
20	256QAM	1	0	19.86	19.87	19.86			
20	256QAM	1	99	19.45	19.55	19.48			
20	256QAM	50	24	19.45	19.45	19.48	20	4	
20	256QAM	50	50	19.60	19.66	19.57			
20	256QAM	100	0	19.74	19.74	19.68			
Channel									
Frequency (MHz)									
15	QPSK	1	0	23.01	23.16	23.02			
15	QPSK	1	25	23.03	23.09	23.04	24	0	
15	QPSK	1	74	22.89	23.00	22.88			
15	QPSK	25	0	23.03	23.04	22.99	24	0	
15	QPSK	25	12	23.03	23.03	22.99			
15	QPSK	25	25	23.05	23.04	23.02			
15	QPSK	50	0	23.01	23.12	23.07			
15	QPSK	50	12	23.01	23.02	23.01			
15	QPSK	50	25	23.16	22.99	23.16	24	0	
15	16QAM	1	37	23.01	23.01	23.01			
15	16QAM	1	74	23.01	23.01	23.01			
15	16QAM	25	0	23.01	23.01	23.01			
15	16QAM	25	12	23.03	23.07	23.05	24	0	
15	16QAM	25	25	22.98	23.09	22.99			
15	16QAM	50	0	22.94	22.85	22.98			
15	16QAM	50	12	23.17	23.07	23.23	24	0	
15	16QAM	50	25	22.98	23.08	22.98			
15	64QAM	1	0	22.84	22.81	22.88	24	0	
15	64QAM	50	24	22.82	22.62	22.82			
15	64QAM	100	0	22.83	22.67	22.87			
15	256QAM	1	0	22.62	22.62	22.52	24	0	
15	256QAM	1	0	22.45	22.55	22.37			
15	256QAM	1	0	19.83	19.86	19.80			
15	256QAM	1	37	19.83	19.84	19.48			
15	256QAM	1	74	19.84	19.47	19.48			
15	256QAM	1	99	19.51	19.51	19.53			
15	256QAM	25	0	19.51	19.54	19.54	24	0	
15	256QAM	25	12	19.51	19.54	19.54			
15	256QAM	25	25	19.70	19.68	19.57			
15	256QAM	50	0	19.74	19.74	19.68			
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.94	23.08	22.94			
10	QPSK	1	25	23.06	23.08	22.94	24	0	
10	QPSK	1	49	22.84	22.88	22.85			
10	QPSK	1	74	22.88	23.01	22.85			
10	QPSK	25	0	23.03	23.12	23.03			
10	QPSK	25	12	23.02	23.04	23.03	24	0	
10	QPSK	25	25	23.14	23.17	23.17			
10	QPSK	50	0	22.94	22.85	22.98			
10	QPSK	50	12	23.17	23.07	23.23	24	0	
10	QPSK	50	25	22.98	23.08	22.98			
10	16QAM	1	0	22.81	22.81	22.81			
10	16QAM	25	0	22.36	22.48	22.31			
10	16QAM	25	12	22.36	22.48	22.31			
10	16QAM	25	25	22.36	22.48	22.31	24	0	
10	16QAM	50	0	22.36	22.48	22.31			
10	16QAM	50	12	22.36	22.48	22.31			
10	16QAM	50	25	22.36	22.48	22.31	24	0	
10	64QAM	1	0	22.61	22.61	22.61			
10	64QAM	1	49	22.78	23.01	22.68			
10	64QAM	1	99	22.61	22.61	22.61	24	0	
10	64QAM	25	0	22.47	22.53	22.42			
10	64QAM	25	12	22.47	22.53	22.42			
10	64QAM	25	25	22.48	22.52	22.50	24	0	
10	64QAM	50	0	22.62	22.62	22.62			
10	64QAM	50	12	22.62	22.63	22.62			
10	64QAM	50	25	22.62	22.63	22.62	24	0	
10	256QAM	1	0	19.50	19.53	19.50			
10	256QAM	1	25	19.56	19.47	19.58	20	4	
10	256QAM	1	49	19.56	19.47	19.58			
10	256QAM	1	99	19.56	19.47	19.58			
10	256QAM	25	0	19.51	19.58	19.52			
10	256QAM	25	12	19.43	19.58	19.48			
10	256QAM	25	25	19.43	19.58	19.48	20	4	
10	256QAM	50	0	19.43	19.58	19.48			
10	256QAM	50	12	19.43	19.58	19.48			
10	256QAM	50	25	19.43	19.58	19.48	20	4	
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.94	23.13	22.92			
5	QPSK	1	12	23.11	22.93	23.04			
5	QPSK	1	24	22.94	23.13	22.92	24	0	
5	QPSK	12	0	23.12	23.24	23.08			
5	QPSK	12	7	22.97	23.01	22.99	24	0	
5	QPSK	12	14	23.11	23.08	23.08			
5	QPSK	25	0	23.08	23.07	23.07			
5	16QAM	1	0	22.83	22.83	22.81	24	0	
5	16QAM	1	12	22.83	22.83	22.83			
5	16QAM	1	24	22.83	22.83	22.83			
5	16QAM	12	0	22.40	22.28	22.38			
5	16QAM	12	7	22.44	22.44	22.44	24	0	
5	16QAM	12	14	22.37	22.32	22.30			
5	16QAM	25	0	22.47	22.37	22.38			
5	16QAM	25	7	22.47	22.37	22.38			
5	16QAM	25	14	23.13	23.03	23.03	24	0	
5	64QAM	1	0	22.72	22.83	22.80			
5	64QAM	12	0	22.89	22.89	22.81			
5	64QAM	12	7	22.63	22.56	22.60	24	0	
5	64QAM	12	14	22.48	22.63	22.48			
5	64QAM	25	0	22.54	22.59	22.49			
5	64QAM	25	7	22.63	22.63	22.63			
5	256QAM	1	0	19.49	19.63	19.57	20	4	
5	256QAM	1	12	19.49	19.63	19.57			
5	256QAM	1	24	19.49	19.63	19.57			
5	256QAM	12	0	19.48	19.56	19.49			
5	256QAM	12	7	19.48	19.56	19.49	20	4	
5	256QAM	12	14	19.55	19.61	19.57			
5	256QAM	25	0	19.52	19.68	19.58			
Channel									
Frequency (MHz)									
3	QPSK	1	0	22.83	22.96	22.84			
3	QPSK	1	8	22.96	23.08	22.94	24	0	
3	QPSK	1	16	22.78	22.91	22.85			
3	QPSK	8	0	23.06	23.14	22.85			
3	QPSK	8	4	22.97	22.89	22.92	24	0	
3	QPSK	8	12	22.89	23.08	22.93			
3	QPSK	15	0	23.08	23.06	23.01			
3	16QAM	1	0	22.69	22.69	22.69			
3	16QAM	1	8	22.96	22.97	22.96	24	0	
3	16QAM	1	16	22.74	22.76	22.69			
3	16QAM	8	0	22.24	22.46	22.19			
3	16QAM	8	4	22.38	22.26	22.29			
3	16QAM	8	12	22.35	22.18	22.18			
3	16QAM	1	0	22.93	23.04	22.90			
3	64QAM	1	0	22.87	22.83	22.82	24	0	
3	64QAM	1	8	22.87	22.87	22.87			
3	64QAM	8	0	22.54	22.37	22.38			
3	64QAM	8	4	22.56	22.41	22.36			
3	64QAM	8	12	22.56	22.41	22.36	24	0	
3	256QAM	1	0	22.36	22.52	22.47			
3	256QAM	1	8	19.63	19.76	19.48			
3	256QAM	1	16	19.63	19.76	19.48	20	4	
3	256QAM	8	0	19.34	19.50	19.45			
3	256QAM	8	4	19.46	19.46	19.47			
3	256QAM	8	7	19.49	19.48	19.63			
3	256QAM	15	0	19.51	19.66	19.47			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	22.98	23.17	22.88			
1.4	QPSK	1	8	23.02	23.02	23.02	24	0	
1.4	QPSK	1	16	22.71	22.76	22.82			
1.4	QPSK	3	0	22.91	23.08	22.96			
1.4	QPSK	3	8	22.65	22.65	22.65			
1.4	QPSK	3	16	22.84	22.95	22.18			
1.4	QPSK	3	24	22.94	22.27	22.24	24	0	
1.4	16QAM	1	0	22.26	22.21	22.17			
1.4	16QAM	1	8	22.84	22.77	22.81	24	0	
1.4	16QAM	1	16	22.78	22.94	22.79			
1.4	16QAM	3	0	22.90	22.92	22.89			
1.4	16QAM	3	8	22.50	22.42	22.38	24	0	
1.4	16QAM	3	16	22.29	22.35	22.43			
1.4	16QAM	3	24	22.29	22.35	22.43			
1.4	64QAM	1	0	22.73	22.81	22.96	24	0	
1.4	64QAM	1	8	22.73	22.81	22.96			

Band 30 Ant0 DS12 Standalone											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Turn-up time (sec)	APR (dB)			
Channel											
Frequency (MHz)											
10	QPSK	1	0	22.75	23.10	23.45	24	0			
10	QPSK	1	26	22.75	23.10	23.45					
10	QPSK	1	49	22.75	23.10	23.45					
10	QPSK	25	0	21.77	21.86	21.95	23	1			
10	QPSK	25	12	21.73	21.82	21.91					
10	QPSK	25	25	21.70	21.80	21.90					
10	QPSK	50	0	21.65	21.75	21.85	23	1			
10	16QAM	1	0	22.52	22.87	23.22					
10	16QAM	1	26	22.52	22.87	23.22					
10	16QAM	1	49	22.52	22.87	23.22	22	2			
10	16QAM	25	0	20.70	20.79	20.88					
10	16QAM	25	12	20.70	20.79	20.88					
10	16QAM	50	0	20.70	20.79	20.88	22	2			
10	16QAM	1	0	21.89	21.99	22.09					
10	16QAM	1	26	21.89	21.99	22.09					
10	16QAM	1	49	21.89	21.99	22.09	21	3			
10	16QAM	25	12	20.74	20.84	20.94					
10	16QAM	25	25	20.74	20.84	20.94					
10	16QAM	50	0	20.69	20.79	20.89	19	5			
10	256QAM	1	0	17.69	17.79	17.89					
10	256QAM	1	26	17.70	17.80	17.90					
10	256QAM	1	49	17.70	17.80	17.90	19	5			
10	256QAM	25	0	17.68	17.78	17.88					
10	256QAM	25	12	17.68	17.78	17.88					
10	256QAM	50	0	17.61	17.71	17.81	19	5			
10	256QAM	1	0	17.61	17.71	17.81					
10	256QAM	1	26	17.61	17.71	17.81					
Channel											
Frequency (MHz)											
5	QPSK	1	0	22.57	22.61	22.65	24	0			
5	QPSK	1	12	22.57	22.61	22.65					
5	QPSK	1	24	22.57	22.61	22.65					
5	QPSK	12	0	21.57	21.58	21.59	23	1			
5	QPSK	12	7	21.62	21.61	21.74					
5	QPSK	12	13	21.64	21.67	21.68					
5	QPSK	25	0	21.58	21.57	21.66	23	1			
5	16QAM	1	0	22.00	22.03	21.99					
5	16QAM	1	12	22.07	22.04	22.13					
5	16QAM	1	24	22.04	22.04	22.02	23	1			
5	16QAM	12	0	20.84	20.83	20.84					
5	16QAM	12	7	20.66	20.66	20.75					
5	16QAM	12	13	20.62	20.62	20.76	22	2			
5	16QAM	25	0	20.98	20.81	20.69					
5	16QAM	1	0	21.75	21.79	21.85					
5	16QAM	1	0	21.67	21.79	21.86	22	2			
5	16QAM	12	13	20.62	20.62	20.76					
5	16QAM	25	0	20.98	20.81	20.69					
5	256QAM	1	0	17.61	17.68	17.65	21	3			
5	256QAM	1	12	17.68	17.71	17.71					
5	256QAM	1	24	17.52	17.72	17.67					
5	256QAM	12	0	17.48	17.48	17.57	19	5			
5	256QAM	12	7	17.72	17.55	17.68					
5	256QAM	12	13	17.76	17.66	17.62					
5	256QAM	25	0	17.63	17.65	17.63	19	5			
5	256QAM	1	0	17.63	17.65	17.63					
5	256QAM	1	12	17.63	17.65	17.63					

Band 66 Ant0 DS12 Standalone											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Turn-up time (sec)	APR (dB)			
Channel											
Frequency (MHz)											
20	QPSK	1	0	23.20	23.23	23.26	24	0			
20	QPSK	1	49	23.20	23.23	23.26					
20	QPSK	1	99	23.08	22.95	22.96					
20	QPSK	50	0	23.18	23.25	23.29	24	0			
20	QPSK	50	24	23.07	23.11	23.29					
20	QPSK	50	50	23.18	23.04	23.09					
20	QPSK	100	0	23.12	23.23	23.26	24	0			
20	16QAM	1	0	23.08	23.09	23.09					
20	16QAM	1	49	23.15	23.01	23.09					
20	16QAM	1	99	22.95	22.85	22.88	24	0			
20	16QAM	50	0	22.46	22.47	22.52					
20	16QAM	50	24	22.45	22.31	22.36					
20	16QAM	50	50	22.40	22.23	22.31	24	0			
20	16QAM	100	0	22.45	22.28	22.27					
20	16QAM	1	0	25.11	25.05	25.03					
20	16QAM	1	49	23.18	23.05	23.01	24	0			
20	16QAM	1	99	23.03	22.90	22.95					
20	16QAM	50	0	22.70	22.47	22.49					
20	16QAM	50	24	22.69	22.51	22.51	24	0			
20	16QAM	50	50	22.58	22.42	22.46					
20	16QAM	100	0	22.63	22.49	22.47					
20	256QAM	1	0	19.85	19.96	19.97	20	4			
20	256QAM	1	49	19.95	19.94	19.90					
20	256QAM	1	99	19.94	19.78	19.81					
20	256QAM	50	0	19.87	19.87	19.87	20	4			
20	256QAM	50	24	19.78	19.94	20.00					
20	256QAM	50	50	19.77	19.95	19.91					
20	256QAM	100	0	19.84	19.97	19.97	20	4			
20	256QAM	1	0	19.84	19.97	19.97					
20	256QAM	1	49	19.84	19.97	19.97					
Channel											
Frequency (MHz)											
15	QPSK	1	0	23.08	23.22	23.31	24	0			
15	QPSK	1	37	23.19	23.13	23.14					
15	QPSK	1	74	22.92	22.81	22.82					
15	QPSK	36	0	23.03	23.06	22.89	24	0			
15	QPSK	36	18	22.89	23.13	22.86					
15	QPSK	36	36	23.14	22.88	22.98					
15	QPSK	75	0	23.10	23.09	22.87	24	0			
15	16QAM	1	0	23.08	23.10	23.83					
15	16QAM	1	37	22.96	22.95	23.94					
15	16QAM	1	74	22.96	22.96	22.96	24	0			
15	16QAM	36	0	22.43	22.15	22.12					
15	16QAM	36	20	22.33	22.12	22.18					
15	16QAM	36	36	22.97	22.97	22.97	24	0			
15	16QAM	75	0	22.38	22.21	22.29					
15	16QAM	1	0	22.95	23.00	23.82					
15	16QAM	1	37	22.95	23.04	23.82	24	0			
15	16QAM	1	74	22.92	22.74	22.95					
15	16QAM	36	0	22.51	22.27	22.30	24	0			
15	16QAM	36	36	22.96	22.96	22.96					
15	16QAM	36	39	22.41	22.42	22.31					
15	16QAM	75	0	22.41	22.31	22.41	20	4			
15	256QAM	1	0	19.95	19.92	19.92					
15	256QAM	1	37	19.94	19.81	19.84					
15	256QAM	36	0	19.84	19.85	19.85	20	4			
15	256QAM	36	20	19.92	19.95	19.85					
15	256QAM	36	39	19.95	19.91	19.95					
15	256QAM	75	0	19.88	19.78	19.85	20	4			
15	256QAM	1	0	19.88	19.78	19.85					
15	256QAM	1	37	19.88	19.78	19.85					
Channel											
Frequency (MHz)											
10	QPSK	1	0	23.09	23.09	23.09	24	0			
10	QPSK	1	25	23.02	23.13	22.93					
10	QPSK	1	49	23.07	23.02	23.80					
10	QPSK	12	0	23.06	23.07	23.07	24	0			
10	QPSK	12	13	23.02	22.99	23.01					
10	QPSK	25	0	23.04	23.05	23.06					
10	QPSK	50	0	22.98	22.99	22.99	24	0			
10	16QAM	1	0	22.98	22.93	22.91					
10	16QAM	1	26	23.08	22.94	23.87					
10	16QAM	1	49	23.06	22.96	22.96	24	0			
10	16QAM	25	0	22.29	22.14	22.21	24	0			
10	16QAM	25	13	22.28	22.13	22.27					
10	16QAM	25	26	22.27	22.12	22.27					
10	16QAM	50	0	22.29	22.14	22.14	24	0			
10	16QAM	50	13	22.11	22.14	22.27					
10	16QAM	50	26	22.32	22.07	22.05					
10	16QAM	75	0	22.34	22.05	22.05	24	0			
10	16QAM	1	0	22.92	22.77	22.73					
10	16QAM	1	26	22.93	22.78	22.83					
10	16QAM	12	0	22.03	22.26	22.30	24	0			
10	16QAM	12	7	22.01	22.20	22.33					
10	16QAM	12	27	22.30	22.20	22.33					
10	16QAM	25	0	22.02	22.23	22.27	20	4			
10	16QAM	25	6	22.01	22.20	22.33					
10	16QAM	25	14	22.00	22.19	22.30					
10	16QAM	50	0	21.99	22.05	22.15	20	4			
10	16QAM	50	19	21.98	22.05	22.15					
10	16QAM	50	39	21.98	22.05	22.15					
10	256QAM	12	0	19.95	19.95	19.95	20	4			
10	256QAM	12	6	19.95	19.95	19.95					
10	256QAM	12	13	19.92	19.84	19.91					
10	256QAM	25	0	19.95	19.95	19.97	20	4			
10	256QAM	25	6	19.95	19.95	19.97					
10	256QAM	25	14	19.95	19.95	19.97					
Channel											
Frequency (MHz)											
3	QPSK	1	0	23.02	23.07	23.83	24	0			
3	QPSK	1	12	23.06	22.83	23.80					
3	QPSK	1	25	23.07	22.83	23.80					
3	QPSK	12	0	23.06	23.07	23.07	24	0			
3	QPSK	12	7	22.96	23.01	23.87					
3	QPSK	12	19	22.97	22.77	23.89					
3	QPSK	25	0	22.88	22.96	23.83	24	0			
3	16QAM	1	0	22.97	22.91	23.81					
3	16QAM	1	12	22.91	22.74	23.81					
3	16QAM	1	25	22.91	22.67	23.81	24	0			
3	16QAM	12	0	22.29	22.01	22.04					
3	16QAM	12	13	22.14	22.16	22.27					
3	16QAM	12	19	22.11	22.14	22.27	24	0			
3	16QAM	25	0	22.32	22.07	22.05					
3	16QAM	25	6	22.34	22.05	22.05					
3	16QAM	1	0	22.92	22.77	22.73	24	0			
3	16QAM	1	26	22.93	22.78	22.83					
3	16QAM	12	0	22.03	22.26	22.30					
3	16QAM	12	7	22.01	22.20	22.33	24	0			
3	16QAM	12	27	22.30	22.20	22.33					
3	16QAM	25	0	22.02	22.23	22.27					
3	16QAM	25	6	22.01	22.20	22.33	20	4			
3	16QAM	25	14	22.00	22.19	22.30					
3	16QAM	50	0	21.99	22.05	22.15					
3	16QAM	50	19	21.98	22.05	22.15	20	4			
3	16QAM	50	39	21.98	22.05	22.15					
3	256QAM	12	0	19.95	19.95	19.95					
3	256QAM	12	6	19.95	19.95	19.95	20	4			
3	256QAM	12	13	19.92	19.84	19.91					
3	256QAM	25	0	19.95	19.95	19.97					
Channel											
Frequency (MHz)											
1.4	QPSK	1	0	23.02	23.07	23.83	24	0			
1.4	QPSK	1	12	23.06	22.83	23.80					
1.4	QPSK	1	25	23.07	22.83	23.80					
1.4	QPSK	12	0	23.06	23.07	23.07	24	0			
1.4	QPSK	12	7	22.96	23.01	23.87					
1.4	QPSK	12	19	22.97	22.77	23.89					
1.4	QPSK	25	0	22.88	22.96	23.83	24	0			
1.4	16QAM	1	0	22.97	22.91	23.81					
1.4	16QAM	1	12	22.91	22.74	23.81					
1.4	16QAM	1	25	22.91	22.67	23.81	24	0			
1.4	16QAM	12	0	22.29	22.01	22.04					
1.4	16QAM	12	13	22.14	22.16	22.27					
1.4	16QAM	12	19	22.11	22.14	22.27	24	0			
1.4	16QAM	25	0	22.32	22.07	22.05					
1.4	16QAM	25	6	22.34	22.05	22.05					
1.4	16QAM	1	0	22.92	22.77	22.73	24	0			
1.4	16QAM	1	26	22.93	22.78	22.83					
1.4	16QAM	12	0	22.03	22.26	22.30					
1.4	16QAM	12	7	22.01	22.20	22.33	24	0			
1.4	16QAM	12	27	22.30	22.20	22.33					
1.4	16QAM	25	0	22.02	22.23	22.27					
1.4	16QAM	25	6	22.01	22.20	22.33	20	4			
1.4	16QAM	25	14	22.00	22.19	22.30					
1.4	16QAM	50	0	21.99	22.05	22.15					
1.4	16QAM	50	19	21.98	22.05	22.15	20	4			
1.4	16QAM	50	39	21.98	22.05	22.15					
1.4	256QAM	12	0	19.95	19.95	19.95					
1.4	256QAM	12	6	19.95	19.95	19.95	20	4			
1.4	256QAM	12	13	19.92	19.84	19.91					
1.4	256QAM	25	0	19.95	19.95	19.97					
Channel											
Frequency (MHz)											
3	QPSK	1	0	23.02	23.07	23.83	24	0			
3	QPSK	1	12	23.06	22.83	23.80					
3	QPSK	1	25	23.07	22.83	23.80					
3	QPSK	12	0	23.06	23.07	23.07	24	0			
3	QPSK	12	7	22.96	23.01	23.87					
3	QPSK	12	19	22.97	22.77	23.89					
3	QPSK	25	0	22.88	22.96	23.83	24	0			
3	16QAM	1	0	22.97	22.91	23.81					
3	16QAM	1	12	22.91	22.74	23.81					
3	16QAM	1	25	22.91	22.67	23.81	24	0			
3	16QAM	12	0	22.29	22.01	22.04					
3	16QAM	12	13	22.14							



Band 2 Ant0 DS12 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Fires	Power High Ch./Fires	Power High Ch./Fires	Turn-up rate (dB)	MPE (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	23.02	23.10	23.73			
20	QPSK	1	49	23.07	23.17	23.81	24	0	
20	QPSK	1	99	22.89	22.87	22.69			
20	QPSK	50	0	23.04	23.05	23.74			
20	QPSK	50	24	23.07	23.09	23.74			
20	QPSK	50	50	23.04	23.00	22.72	24	0	
20	QPSK	100	0	23.02	23.07	22.82			
20	QPSK	100	50	22.89	22.89	22.69			
20	16QAM	1	49	22.97	22.88	22.58	24	0	
20	16QAM	1	99	22.75	22.71	22.77			
20	16QAM	50	0	22.24	22.24	22.79			
20	16QAM	50	24	22.31	22.29	22.29	24	0	
20	16QAM	50	50	22.26	22.24	22.21			
20	16QAM	100	0	22.27	22.24	22.17			
20	16QAM	1	0	22.94	22.95	22.80			
20	64QAM	1	49	22.90	22.94	22.85	24	0	
20	64QAM	1	99	22.30	22.77	22.84			
20	64QAM	50	0	22.40	22.41	22.39			
20	64QAM	50	24	22.46	22.46	22.38	24	0	
20	64QAM	50	50	22.42	22.39	22.40			
20	64QAM	100	0	22.47	22.45	22.38			
20	256QAM	1	49	19.35	19.42	19.45	20	4	
20	256QAM	1	99	19.27	19.16	19.13			
20	256QAM	50	0	19.42	19.42	19.42			
20	256QAM	50	24	19.47	19.43	19.05	20	4	
20	256QAM	50	50	19.52	19.47	19.04			
20	256QAM	100	0	19.53	19.48	19.08			
Channel									
Frequency (MHz)									
15	QPSK	1	0	19.07	19.08	19.15			
15	QPSK	1	49	23.02	23.01	22.80	24	0	
15	QPSK	1	99	23.07	23.07	22.81			
15	QPSK	1	74	22.92	22.86	22.59			
15	QPSK	36	0	23.06	23.04	22.64			
15	QPSK	36	24	23.08	23.00	22.69	24	0	
15	QPSK	36	36	22.95	22.96	22.59			
15	QPSK	75	0	23.01	22.99	22.63			
15	16QAM	1	49	22.86	22.86	22.63	24	0	
15	16QAM	1	37	22.98	22.89	22.67			
15	16QAM	36	0	22.30	22.30	22.71			
15	16QAM	36	24	22.27	22.20	22.19	24	0	
15	16QAM	36	36	22.30	22.25	22.26			
15	64QAM	1	0	22.28	22.24	22.55			
15	64QAM	1	3	22.93	22.87	22.86	24	0	
15	64QAM	36	0	22.47	22.46	22.38			
15	64QAM	36	24	22.44	22.42	22.43	24	0	
15	64QAM	36	36	22.41	22.42	22.43			
15	64QAM	75	0	22.45	22.43	22.44			
15	256QAM	1	37	19.29	19.34	19.36	20	4	
15	256QAM	1	74	19.39	19.33	19.17			
15	256QAM	36	0	19.42	19.42	19.42			
15	256QAM	36	24	19.28	19.47	19.38	20	4	
15	256QAM	36	36	19.38	19.47	19.26			
15	256QAM	75	0	19.43	19.34	19.37			
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.83	22.84	22.84			
10	QPSK	1	49	22.83	22.88	22.81	24	0	
10	QPSK	1	99	23.01	22.97	22.87			
10	QPSK	1	74	22.96	22.96	22.80			
10	QPSK	25	0	23.04	23.00	22.80	24	0	
10	QPSK	25	12	23.03	22.93	22.80			
10	QPSK	25	25	22.94	22.89	22.63			
10	QPSK	50	0	22.86	22.94	22.89			
10	16QAM	1	49	22.86	22.88	22.63	24	0	
10	16QAM	1	25	22.97	22.85	22.63			
10	16QAM	25	0	22.26	22.14	22.10			
10	16QAM	25	12	22.24	22.17	22.19	24	0	
10	16QAM	25	25	22.17	22.11	22.14			
10	16QAM	50	0	22.19	22.15	22.16			
10	16QAM	50	1	22.26	22.82	22.81	24	0	
10	64QAM	1	49	22.87	22.86	22.67	24	0	
10	64QAM	1	49	22.80	22.71	22.77			
10	64QAM	25	0	22.47	22.28	22.30			
10	64QAM	44	0	22.35	22.44	22.45	24	0	
10	64QAM	25	25	22.38	22.30	22.32			
10	64QAM	50	0	22.38	22.35	22.35			
10	256QAM	1	49	19.48	19.48	19.48	20	4	
10	256QAM	1	25	19.29	19.36	19.34			
10	256QAM	1	49	19.34	19.47	19.23			
10	256QAM	25	12	19.49	19.39	19.26			
10	256QAM	25	25	19.42	19.43	19.42	20	4	
10	256QAM	50	0	19.54	19.45	19.31			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.93	22.87	22.84			
5	QPSK	1	8	22.88	22.85	22.86	24	0	
5	QPSK	1	14	22.83	22.70	22.70			
5	QPSK	8	0	22.96	22.94	22.87			
5	QPSK	8	4	22.91	22.93	22.92			
5	QPSK	8	7	22.93	22.94	22.83	24	0	
5	QPSK	14	0	22.94	22.89	22.81			
5	16QAM	1	0	22.98	22.92	22.81			
5	16QAM	1	8	22.90	22.89	22.81	24	0	
5	16QAM	1	14	22.78	22.75	22.64			
5	16QAM	8	0	22.29	22.23	22.14			
5	16QAM	12	7	22.30	22.22	22.17	24	0	
5	16QAM	12	14	22.25	22.18	22.19			
5	16QAM	25	0	22.26	22.16	22.16			
5	64QAM	1	0	22.91	22.95	22.84	24	0	
5	64QAM	1	8	22.92	22.91	22.88			
5	64QAM	1	14	22.82	22.82	22.81			
5	64QAM	8	0	22.38	22.30	22.32	24	0	
5	64QAM	8	4	22.46	22.43	22.43			
5	64QAM	8	7	22.33	22.24	22.25			
5	256QAM	1	0	19.40	19.42	19.40			
5	256QAM	1	8	19.43	19.48	19.41	20	4	
5	256QAM	8	0	19.45	19.46	19.44			
5	256QAM	8	4	19.45	19.36	19.41	20	4	
5	256QAM	8	7	19.34	19.37	19.34			
5	256QAM	15	0	19.48	19.35	19.37			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	22.91	22.91	22.90			
1.4	QPSK	1	3	22.92	22.89	22.88	24	0	
1.4	QPSK	1	5	22.85	22.79	22.82			
1.4	QPSK	3	0	22.98	22.94	22.85			
1.4	QPSK	3	1	22.99	22.99	22.94			
1.4	QPSK	3	3	22.92	22.88	22.80	24	0	
1.4	QPSK	5	0	22.95	22.90	22.81			
1.4	16QAM	1	0	22.99	22.88	22.82			
1.4	16QAM	1	5	22.85	22.75	22.79	24	0	
1.4	16QAM	1	5	22.75	22.75	22.75			
1.4	16QAM	3	0	22.74	22.69	22.68			
1.4	16QAM	3	1	22.71	22.67	22.71			
1.4	16QAM	3	3	22.71	22.65	22.59	24	0	
1.4	16QAM	5	0	22.28	22.24	22.19	24	0	
1.4	16QAM	5	3	22.26	22.22	22.23			
1.4	16QAM	1	0	22.98	22.97	22.83			
1.4	64QAM	1	5	22.86	22.79	22.81	24	0	
1.4	64QAM	3	0	22.80	22.79	22.64			
1.4	64QAM	3	3	22.83	22.78	22.70			
1.4	64QAM	40	0	22.39	22.30	22.33	24	0	
1.4	256QAM	1	3	19.33	19.31	19.49			
1.4	256QAM	3	0	19.40	19.38	19.30	20	4	
1.4	256QAM	3	3	19.46	19.51	19.43			
1.4	256QAM	3	1	19.47	19.52	19.40			
1.4	256QAM	13	0	19.42	19.38	19.32			
1.4	256QAM	6	0	19.53	19.55	19.21	20	4	

Band 4 Ant0 DS12 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Fires	Power High Ch./Fires	Power High Ch./Fires	Turn-up rate (dB)	MPE (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	23.20	23.24	23.20			
20	QPSK	1	49	23.27	23.15	23.15	24	0	
20	QPSK	1	99	22.98	22.91	22.88			
20	QPSK	50	0	23.14	23.21	23.14			
20	QPSK	50	24	23.14	23.05	23.11	24	0	
20	QPSK	50	50	23.13	23.05	23.10			
20	QPSK	100	0	23.09	23.18	23.03			
20	QPSK	100	50	22.99	22.89	22.89			
20	16QAM	1	49	23.19	23.05	23.10	24	0	
20	16QAM	1	99	22.94	22.85	22.84			
20	16QAM	50	0	23.07	23.16	23.02			
20	16QAM	50	24	22.41	22.26	22.41			
20	16QAM	50	50	22.36	22.15	22.36			
20	16QAM	100	0	22.97	22.92	22.92			
20	16QAM	100	50	22.19	22.09	22.19			
20	16QAM	1	49	23.09	23.05	23.09	24	0	
20	16QAM	1	99	22.92	22.84	22.91			
20	16QAM	50	24	22.80	22.44	22.80	24	0	
20	16QAM	50	50	22.53	22.34	22.53			
20	16QAM	100	0	22.89	22.82	22.89			
20	16QAM	100	50	22.11	21.91	22.11			
20	16QAM	1	0	19.81	19.69	19.82			
20	16QAM	1	49	19.81	19.65	19.80	20	4	
20	16QAM	1	99	19.44	19.22	19.44			
20	16QAM	50	24	19.30	18.87	19.31			
20	16QAM	50	50	19.24	18.34	19.48			
20	16QAM	50	99	19.24	18.34	19.48			
20	16QAM	55	50	19.64	19.26	19.62			
20	16QAM	55	99	19.64	19.26	19.62			
20	16QAM	55	0	19.65	19.52	19.43	Turn-up rate (dB)	MPE (dB)	
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43			
20	16QAM	55	0	19.65	19.52	19.43	</		



Band 12 Ant0 DS12 Simultaneous													
BW (MHz)	Modulation	RS Size	RS Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up Int. (dB)	MFR (dB)					
Channel													
Frequency (MHz)													
10	QPSK	1	0	22.96	23.12	22.98			24	0			
10	QPSK	1	25	23.05	23.10	23.10							
10	QPSK	1	49	23.05	23.10	23.11							
10	QPSK	25	0	23.04	23.10	23.08							
10	QPSK	25	12	23.14	23.09	23.12			24	0			
10	QPSK	25	25	23.14	23.09	22.99							
10	QPSK	50	0	22.96	23.12	23.08							
10	16QAM	1	0	22.99	23.01	23.01							
10	16QAM	1	25	23.04	23.00	23.10			24	0			
10	16QAM	1	49	23.08	23.06	23.10							
10	16QAM	25	0	22.92	23.05	22.40							
10	16QAM	25	12	22.45	22.39	22.46							
10	16QAM	25	25	22.48	22.47	22.52			24	0			
10	16QAM	50	0	22.41	22.37	22.39							
10	64QAM	1	0	22.88	22.87	23.01							
10	64QAM	1	25	23.04	23.12	23.15			24	0			
10	64QAM	1	49	23.08	23.06	23.13							
10	64QAM	25	0	22.52	22.55	22.59							
10	64QAM	25	12	22.63	22.57	22.63				24	0		
10	64QAM	25	25	22.64	22.61	22.70							
10	64QAM	50	0	22.61	22.59	22.60							
10	256QAM	1	0	18.44	18.51	18.41			20	4			
10	256QAM	1	25	18.48	18.54	18.45							
10	256QAM	1	49	18.53	18.53	18.58							
10	256QAM	25	0	18.42	18.47	18.47							
10	256QAM	25	12	18.47	18.54	18.58			20	4			
10	256QAM	25	25	18.52	18.43	18.40							
10	256QAM	50	0	18.26	18.64	18.38							
Channel													
Frequency (MHz)													
5	QPSK	1	0	22.80	23.03	22.77			24	0			
5	QPSK	1	12	23.02	23.06	23.11							
5	QPSK	1	24	22.93	23.08	23.13							
5	QPSK	12	0	22.84	22.99	22.99				24	0		
5	QPSK	12	7	23.09	22.89	22.95							
5	QPSK	12	13	22.95	22.97	22.79							
5	QPSK	25	0	22.82	22.94	22.99			24	0			
5	16QAM	1	0	22.85	22.74	22.93							
5	16QAM	1	12	22.82	22.87	23.00							
5	16QAM	1	24	22.98	23.01	23.12				24	0		
5	16QAM	12	0	22.24	22.15	22.38							
5	16QAM	12	7	22.44	22.40	22.32							
5	16QAM	25	0	22.27	22.17	22.25							
5	64QAM	1	0	22.72	22.81	22.98			24	0			
5	64QAM	1	12	22.98	23.01	23.08							
5	64QAM	1	24	23.00	23.05	23.05							
5	64QAM	12	0	22.48	22.38	22.42				24	0		
5	64QAM	12	7	22.65	22.57	22.65							
5	64QAM	12	13	22.05	22.02	22.48							
5	64QAM	25	0	22.43	22.52	22.86							
5	256QAM	1	0	18.43	18.51	18.45			20	4			
5	256QAM	1	12	18.41	18.51	18.56							
5	256QAM	1	24	18.44	18.48	18.59							
5	256QAM	12	0	18.43	18.45	18.45				20	4		
5	256QAM	12	7	18.43	18.49	18.51							
5	256QAM	12	13	18.66	18.55	18.34							
5	256QAM	25	0	18.31	18.42	18.49							
Channel													
Frequency (MHz)													
3	QPSK	1	0	22.71	22.74	22.70			24	0			
3	QPSK	1	8	22.82	22.89	23.04							
3	QPSK	1	14	22.92	22.91	22.80							
3	QPSK	8	0	22.86	22.90	22.90				24	0		
3	QPSK	8	7	22.85	22.87	22.92							
3	QPSK	8	7	22.95	22.80	22.84							
3	16QAM	1	0	22.71	22.62	22.87			24	0			
3	16QAM	1	0	22.74	22.62	22.89							
3	16QAM	1	8	22.84	22.80	22.87							
3	16QAM	8	0	22.81	22.84	22.76				24	0		
3	16QAM	8	0	22.16	22.24	22.25							
3	16QAM	8	4	22.28	22.08	22.22							
3	16QAM	8	7	22.37	22.37	22.26							
3	16QAM	15	0	22.26	22.22	22.10			24	0			
3	64QAM	1	0	22.89	22.76	22.87							
3	64QAM	1	8	22.75	22.18	23.00							
3	64QAM	1	14	22.77	22.88	22.83							
3	64QAM	8	0	22.34	22.21	22.37			24	0			
3	64QAM	8	4	22.39	22.40	22.48							
3	64QAM	8	7	22.41	22.50	22.55							
3	64QAM	15	0	22.45	22.40	22.34							
3	256QAM	1	0	18.43	18.60	18.28			20	4			
3	256QAM	1	8	18.42	18.53	18.59							
3	256QAM	1	14	18.53	18.52	18.44							
3	256QAM	8	0	18.56	18.54	18.55				20	4		
3	256QAM	8	4	18.44	18.43	18.36							
3	256QAM	8	7	18.61	18.29	18.29							
3	256QAM	15	0	18.29	18.61	18.38							
Channel													
Frequency (MHz)													
1.4	QPSK	1	0	22.52	22.59	23.11			24	0			
1.4	QPSK	1	3	23.06	23.00	23.15							
1.4	QPSK	1	5	22.90	22.95	23.07							
1.4	QPSK	3	0	22.99	23.01	23.17				24	0		
1.4	QPSK	3	1	22.97	23.04	23.16							
1.4	QPSK	3	3	22.97	23.00	23.12							
1.4	QPSK	6	0	22.86	23.05	23.15							
1.4	16QAM	1	0	22.94	23.14	23.18			24	0			
1.4	16QAM	1	3	22.98	23.05	23.17							
1.4	16QAM	1	5	23.03	23.01	23.13							
1.4	16QAM	3	0	22.76	22.81	22.91							
1.4	16QAM	3	1	22.77	22.78	22.93			24	0			
1.4	16QAM	3	3	22.73	22.73	22.91							
1.4	16QAM	6	0	22.39	22.49	22.38							
1.4	64QAM	1	0	22.92	22.94	23.12			24	0			
1.4	64QAM	1	3	23.01	22.97	23.10							
1.4	64QAM	1	5	22.83	22.91	23.03							
1.4	64QAM	3	0	22.85	22.93	23.05							
1.4	64QAM	3	1	22.87	22.90	23.04			24	0			
1.4	64QAM	3	3	22.86	22.89	23.01							
1.4	64QAM	6	0	22.50	22.66	22.70							
1.4	256QAM	1	0	18.37	18.58	18.28				20	4		
1.4	256QAM	1	3	18.48	18.61	18.53							
1.4	256QAM	1	5	18.57	18.53	18.50							
1.4	256QAM	3	0	18.35	18.62	18.35							
1.4	256QAM	3	1	18.65	18.57	18.49			20	4			
1.4	256QAM	3	3	18.51	18.56	18.36							
1.4	256QAM	6	0	18.37	18.56	18.50							
1.4	256QAM	6	0	18.37	18.56	18.50							

Band 13 Ant0 DS12 Simultaneous										
BW (MHz)	Modulation	RS Size	RS Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up Int. (dB)	MFR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.96	23.12	22.98			24	0
10	QPSK	1	25	23.12	23.12	23.12				
10	QPSK	1	49	22.85	22.85	22.85				
10	QPSK	25	0	22.96	23.12	23.08				
10	QPSK	25	12	23.14	23.09	23.12			24	0
10	QPSK	25	25	22.63	22.63	22.63				
10	16QAM	1	0	23.32	23.48	23.34			24	0
10	16QAM	1	25	23.48	23.48	23.48				
10	16QAM	1	49	23.11	23.11	23.11				
10	16QAM	25	0	23.19	23.19	23.19				
10	16QAM	25	12	23.34	23.34	23.34			23	1
10	16QAM	25	25	21.61	21.61	21.61				
10	16QAM	50	0	21.24	21.24	21.24			24	0
10	16QAM	50	25	21.40	21.40	21.40				
10	16QAM	50	49	22.40	22.40	22.40				
10	16QAM	1	25	22.40	22.40	22.40				
10	16QAM	1	49	22.51	22.51	22.51			23	1
10	16QAM	25	0	21.34	21.34	21.34				
10	16QAM	25	12	21.80	21.80	21.80				
10	16QAM	25	25	21.22	21.22	21.22				
10	256QAM	1	0	19.40	19.40	19.40			20	4
10	256QAM	1	25	18.34	18.34	18.34				
10	256QAM	1	49	19.17	19.17	19.17				
10	256QAM	25	0	18.95	18.95	18.95				
10	256QAM	25	12	18.76	18.76	18.76			20	4
10	256QAM	25	25	18.55	18.55	18.55				
10	256QAM	50	0	18.65	18.65	18.65			20	4
10	256QAM	50	25	18.82	18.82	18.82				
10	256QAM	50	49	19.55	19.55	19.55				
10	256QAM	1	25	18.47	18.48	18.49				
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.96	23.04	22.94			24	0
5	QPSK	1	12	22.65	22.88	22.82				
5	QPSK	1	24	22.76	22.76	22.76				
5	QPSK	12	0	22.47	22.41	22.67				
5	QPSK	12	7	22.67	22.16	22.63			24	0
5	QPSK	12	14	21.58	21.58	21.58				
5	QPSK	25	0	22.38	22.31	22.43			23	1
5	16QAM	1	0	22.59	22.30	22.62				
5	16QAM	1	24	22.46	22.30	22.76				
5	16QAM	12	0	21.54	21.45	21.57				
5	16QAM	12	14	21.42	21.42	21.42			23	1
5	16QAM	12	19	21.34	21.31	21.37				
5	16QAM	25	0	21.42	21.20	21.64			23	1
5	16QAM	25	12	21.43	21.18	21.64				
5	16QAM	1	12	22.34	22.32	22.69				
5	16QAM	1	24	22.65	22.76	22.74				
5	16QAM	12	7	21.30	21.33	21.33			23	1
5	16QAM	12	7	21.61	21.47	21.82				
5	16QAM	12	19	21.67	21.80	21.35				
5	16QAM	24	0	21.43	21.18	21.64				
5	256QAM	1	0	18.30	18.58	18.42			20	4
5	256QAM	1	12	18.38	18.44	18.38				
5	256QAM	1	24	18.30	18.30	18.30				
5	256QAM	12	0	18.53	18.51	18.59				
5	256QAM	12	7	18.62	18.54	18.55			20	4
5	256QAM	12	19	18.51	18.51	18.51				
5	256QAM	25	0	18.47	18.48	18.49			20	4
5	256QAM	25	12	18.62	18.51	18.55				
5	256QAM	25	19	18.51	18.51	18.51				
5	256QAM	1	25	18.47	18.48	18.49				



Band 25 Ant0 DS12 Simultaneous										
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Main Ch./F.Freq.	Power Main Ch./F.Freq.	Power Main Ch./F.Freq.	Turn-on Time (sec)	MFR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	23.14	23.16	23.12	24	0		
20	QPSK	1	6	23.15	23.14	23.16				
20	QPSK	1	99	23.01	23.05	23.00				
20	QPSK	50	0	23.15	23.14	23.16				
20	QPSK	1	34	23.14	23.15	23.13	24	0		
20	QPSK	50	50	23.19	23.21	23.19				
20	QPSK	100	0	23.21	23.20	23.13				
20	QPSK	1	99	23.24	23.00	23.36				
20	16QAM	1	49	23.18	23.15	23.21	24	0		
20	16QAM	1	99	23.24	23.00	23.36				
20	16QAM	50	0	23.20	23.24	23.38				
20	16QAM	50	24	23.21	23.24	23.38	24	0		
20	16QAM	50	50	23.28	23.26	23.43				
20	16QAM	100	0	23.28	23.28	23.38				
20	16QAM	1	0	19.05	19.07	19.05	20	4		
20	16QAM	1	99	19.05	19.05	19.05				
20	16QAM	50	24	19.45	19.55	19.43				
20	16QAM	50	50	19.45	19.55	19.43				
20	16QAM	100	0	19.43	19.45	19.57	20	4		
Channel				26116	26340	26660	Turn-on Time (sec)	MFR (dB)		
Frequency (MHz)				1857.5	18640	1907.5				
15	QPSK	1	0	23.01	23.16	23.02	24	0		
15	QPSK	1	99	23.00	23.09	23.04				
15	QPSK	1	74	22.69	23.00	22.88				
15	QPSK	36	0	23.03	23.04	23.09				
15	QPSK	36	24	23.00	23.17	23.16	24	0		
15	QPSK	36	99	23.05	23.04	23.02				
15	QPSK	75	0	23.21	23.15	23.12				
15	QPSK	1	0	23.02	23.02	23.01				
15	16QAM	1	37	23.18	23.09	23.16	24	0		
15	16QAM	1	99	23.05	23.07	23.05				
15	16QAM	36	0	23.23	23.27	23.28				
15	16QAM	36	20	23.28	23.29	23.32	24	0		
15	16QAM	36	99	23.24	23.40	23.23				
15	16QAM	75	0	23.24	23.40	23.28				
15	16QAM	1	0	23.04	23.01	23.09				
15	16QAM	1	49	23.13	23.01	23.01	24	0		
15	16QAM	1	74	23.73	23.05	23.01				
15	16QAM	36	0	23.23	23.27	23.27				
15	16QAM	36	20	23.28	23.29	23.32	24	0		
15	16QAM	36	99	23.22	23.53	23.48				
15	16QAM	75	0	23.45	23.55	23.37				
15	16QAM	1	0	19.05	19.07	19.05	20	4		
15	16QAM	1	37	19.25	19.44	19.48				
15	16QAM	1	74	19.34	19.47	19.43				
15	16QAM	36	0	19.45	19.55	19.43				
15	16QAM	36	20	19.51	19.64	19.52	20	4		
15	16QAM	36	99	19.70	19.66	19.67				
15	16QAM	75	0	19.71	19.74	19.63				
Channel				26960	26940	26660	Turn-on Time (sec)	MFR (dB)		
Frequency (MHz)				22.5	23.08	22.5				
10	QPSK	1	0	23.06	23.06	23.06	24	0		
10	QPSK	1	20	23.08	23.08	23.04				
10	QPSK	1	49	23.04	23.09	23.05				
10	QPSK	25	12	23.09	23.14	23.16	24	0		
10	QPSK	25	25	23.03	23.12	23.03				
10	QPSK	1	0	23.04	23.05	23.07				
10	16QAM	1	0	23.04	23.05	23.09	24	0		
10	16QAM	1	25	23.17	23.07	23.20				
10	16QAM	25	0	23.21	23.21	23.24				
10	16QAM	25	12	23.28	23.48	23.29	24	0		
10	16QAM	50	0	23.38	23.48	23.29				
10	16QAM	1	0	19.09	19.06	19.02				
10	16QAM	1	49	19.28	19.01	19.08	24	0		
10	16QAM	25	0	19.52	19.52	19.43				
10	16QAM	25	12	19.47	19.53	19.52				
10	16QAM	25	25	19.48	19.52	19.50				
10	16QAM	50	0	19.59	19.63	19.49				
10	16QAM	25	0	19.51	19.58	19.52	20	4		
10	16QAM	25	12	19.43	19.58	19.50				
10	16QAM	25	50	19.58	19.50	19.54				
10	16QAM	50	0	19.67	19.75	19.51	20	4		
Channel				26965	26940	26660	Turn-on Time (sec)	MFR (dB)		
Frequency (MHz)				1851.5	18600	18913.5				
3	QPSK	1	0	23.03	23.05	23.04	24	0		
3	QPSK	1	8	23.06	23.06	23.05				
3	QPSK	1	14	23.75	23.01	23.05				
3	QPSK	1	36	23.08	23.14	23.05				
3	QPSK	8	4	23.07	23.05	23.02	24	0		
3	QPSK	8	7	23.09	23.09	23.03				
3	QPSK	15	0	23.08	23.09	23.01				
3	16QAM	1	0	23.78	23.09	23.79	24	0		
3	16QAM	1	8	23.05	23.07	23.00				
3	16QAM	1	14	23.74	23.75	23.69				
3	16QAM	8	4	23.24	23.48	23.10	24	0		
3	16QAM	8	7	23.28	23.28	23.20				
3	16QAM	15	0	23.25	23.18	23.18				
3	16QAM	1	0	23.03	23.04	23.04				
3	16QAM	1	8	23.03	23.04	23.04				
3	16QAM	8	4	23.22	23.27	23.28	24	0		
3	16QAM	8	7	23.27	23.23	23.22				
3	16QAM	15	0	23.26	23.21	23.26				
3	16QAM	15	0	23.36	23.29	23.30	24	0		
3	16QAM	15	0	23.47	23.47	23.47				
3	16QAM	1	14	19.33	19.76	19.40	20	4		
3	16QAM	8	4	19.34	19.55	19.45				
3	16QAM	8	7	19.46	19.49	19.47				
3	16QAM	8	7	19.49	19.48	19.43				
Channel				19.51	19.65	19.47	Turn-on Time (sec)	MFR (dB)		
Frequency (MHz)				1650.7	1680	1641.3				
1.4	QPSK	1	0	23.08	23.17	23.08	24	0		
1.4	QPSK	1	8	23.05	23.05	23.05				
1.4	QPSK	1	5	22.71	23.78	22.82	24	0		
1.4	QPSK	3	0	23.01	23.08	23.06				
1.4	QPSK	3	8	23.05	23.05	23.05				
1.4	QPSK	3	3	22.84	23.05	23.10				
1.4	QPSK	6	0	23.03	23.09	23.03	24	0		
1.4	QPSK	6	8	23.17	23.20	23.17				
1.4	QPSK	1	3	22.24	23.27	22.14				
1.4	16QAM	1	5	23.26	23.21	23.17	24	0		
1.4	16QAM	3	0	23.08	23.17	23.03				
1.4	16QAM	3	8	23.29	23.29	23.28				
1.4	16QAM	6	0	23.50	23.42	23.38				
1.4	16QAM	3	3	22.29	23.35	22.52	24	0		
1.4	16QAM	3	6	23.73	23.81	23.66				
1.4	16QAM	6	0	23.82	23.82	23.82	24	0		
1.4	16QAM	6	8	23.82	23.82	23.82				
1.4	16QAM	3	3	19.04	19.58	19.36	20	4		
1.4	16QAM	3	6	19.45	19.54	19.32				
1.4	16QAM	6	0	19.63	19.63	19.63	20	4		
1.4	16QAM	3	3	19.04	19.58	19.36				
1.4	16QAM	3	6	19.55	19.54	19.59	20	4		

Band 71 Ant0 DSI2 Simultaneous											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)		MFR (dB)		
Channel											
Frequency (MHz)				131222	131332	131372					
20	QPSK	1	0	22.78	22.81	22.81	24	0			
20	QPSK	1	48	22.65	22.73	22.71					
20	QPSK	1	96	22.50	22.66	22.65					
20	QPSK	50	0	22.50	22.66	22.65	24	0			
20	QPSK	50	24	22.41	22.52	22.51					
20	QPSK	50	50	22.32	22.37	22.34					
20	QPSK	100	0	22.33	22.42	22.40	24	0			
20	16QAM	1	0	22.58	22.97	22.56					
20	16QAM	1	48	22.70	22.75	22.61					
20	16QAM	1	96	22.39	22.52	22.41	23	1			
20	16QAM	50	0	22.04	22.07	21.98					
20	16QAM	50	24	21.74	21.84	21.81					
20	16QAM	50	50	21.87	21.83	21.76	23	1			
20	16QAM	100	0	21.41	21.45	21.26					
20	64QAM	1	0	22.58	22.69	22.66					
20	64QAM	1	48	22.33	22.51	22.51	24	0			
20	64QAM	1	96	22.25	22.34	22.29					
20	64QAM	50	0	21.87	21.92	22.01					
20	64QAM	50	24	21.58	21.73	21.73	23	1			
20	64QAM	50	50	21.57	21.66	21.54					
20	64QAM	100	0	21.19	21.39	21.41					
20	256QAM	1	0	18.95	18.92	19.08	20	4			
20	256QAM	1	48	18.08	19.21	19.19					
20	256QAM	1	96	19.00	19.17	18.96					
20	256QAM	50	0	18.16	19.27	19.13	20	4			
20	256QAM	50	24	18.25	19.29	19.25					
20	256QAM	50	50	18.93	18.94	18.87					
20	256QAM	100	0	18.10	19.23	19.11					
Channel											
Frequency (MHz)				131197	131297	131397	Turn-up limit (dBm)				
15	QPSK	1	0	22.75	22.73	22.79	24	0			
15	QPSK	1	37	22.44	22.62	22.51					
15	QPSK	1	74	22.54	22.45	22.46					
15	QPSK	36	0	22.44	22.66	22.58	24	0			
15	QPSK	36	20	22.21	22.46	22.39					
15	QPSK	36	39	22.32	22.26	22.35					
15	QPSK	75	0	22.24	22.39	22.41	24	0			
15	16QAM	1	0	22.44	22.61	22.46					
15	16QAM	1	37	22.66	22.58	22.41					
15	16QAM	1	74	22.17	22.51	22.23	24	0			
15	16QAM	36	0	21.89	22.05	21.99					
15	16QAM	36	20	21.59	21.67	21.61					
15	16QAM	36	39	21.76	21.71	21.25	24	0			
15	16QAM	75	0	21.31	21.25	21.16					
15	64QAM	1	0	22.56	22.59	22.54					
15	64QAM	1	37	22.32	22.36	22.29	24	0			
15	64QAM	1	74	22.15	22.25	22.25					
15	64QAM	36	0	21.88	21.83	21.89					
15	64QAM	36	20	21.48	21.68	21.71	20	4			
15	64QAM	36	39	21.47	21.65	21.55					
15	64QAM	75	0	21.68	21.27	21.36					
15	256QAM	1	0	18.86	18.96	19.03	20	4			
15	256QAM	1	37	18.88	19.25	19.03					
15	256QAM	1	74	18.92	19.10	18.77					
15	256QAM	36	0	18.65	18.16	19.08	20	4			
15	256QAM	36	20	19.13	19.11	19.22					
15	256QAM	36	39	18.88	18.77	18.79					
15	256QAM	75	0	19.01	19.07	19.31					
Channel											
Frequency (MHz)				131172	131272	131372	Turn-up limit (dBm)				
10	QPSK	1	0	22.64	22.81	22.42	24	0			
10	QPSK	1	25	22.57	22.65	22.56					
10	QPSK	1	48	22.53	22.49	22.50					
10	QPSK	25	0	22.29	22.57	22.34	24	0			
10	QPSK	25	12	22.22	22.32	22.43					
10	QPSK	25	25	22.34	22.34	22.27					
10	QPSK	50	0	22.12	22.37	22.28	24	0			
10	16QAM	1	0	22.44	22.55	22.39					
10	16QAM	1	25	22.68	22.72	22.52	23	1			
10	16QAM	1	48	22.37	22.54	22.39					
10	16QAM	25	0	22.00	21.90	21.87					
10	16QAM	25	12	21.70	21.66	21.74	23	1			
10	16QAM	35	24	21.86	21.76	21.75					
10	16QAM	50	0	21.32	21.43	21.07					
10	64QAM	1	0	22.60	22.62	22.57	23	1			
10	64QAM	1	24	22.15	22.41	22.29					
10	64QAM	1	48	22.19	22.16	22.25					
10	64QAM	25	0	21.88	21.72	21.84	20	4			
10	64QAM	35	12	21.66	21.74	21.25					
10	64QAM	35	25	21.46	21.50	21.46					
10	64QAM	50	0	21.06	21.32	21.35	20	4			
10	256QAM	1	0	18.78	19.05	19.04					
10	256QAM	1	25	19.04	19.23	19.04					
10	256QAM	1	48	18.87	18.96	18.86	20	4			
10	256QAM	25	0	19.37	19.21	19.32					
10	256QAM	25	12	19.04	19.14	19.26					
10	256QAM	25	25	18.84	18.78	18.72	20	4			
10	256QAM	50	0	19.08	19.10	19.12					
Channel											
Frequency (MHz)				131447	131547	131647	Turn-up limit (dBm)				
5	QPSK	1	0	22.75	22.80	22.43	24	0			
5	QPSK	1	12	22.35	22.84	22.59					
5	QPSK	1	24	22.31	22.40	22.57					
5	QPSK	12	0	22.41	22.55	22.34	24	0			
5	QPSK	12	7	22.31	22.40	22.51					
5	QPSK	12	13	22.25	22.35	22.25					
5	QPSK	25	0	22.25	22.22	22.28	24	0			
5	16QAM	1	0	22.50	22.49	22.42					
5	16QAM	1	12	22.65	22.72	22.61					
5	16QAM	1	24	22.32	22.43	22.24	23	1			
5	16QAM	12	0	21.84	21.89	21.86					
5	16QAM	12	7	21.70	21.78	21.70					
5	16QAM	12	13	21.65	21.63	21.60	23	1			
5	64QAM	1	0	21.06	21.34	21.34					
5	64QAM	1	12	22.28	22.35	22.29					
5	64QAM	1	24	22.18	22.13	22.19	24	0			
5	64QAM	12	0	21.65	21.70	21.61					
5	64QAM	12	7	21.57	21.64	21.55					
5	64QAM	12	13	21.39	21.60	21.42	23	1			
5	64QAM	25	0	21.06	21.34	21.34					
5	256QAM	1	0	19.93	19.97	19.91					
5	256QAM	1	12	19.91	19.04	19.93	20	4			
5	256QAM	1	24	19.02	19.15	19.86					
5	256QAM	12	0	19.97	19.20	19.92					
5	256QAM	12	7	19.08	19.17	19.89	20	4			
5	256QAM	12	13	19.85	19.91	19.76					
5	256QAM	25	0	19.02	19.20	19.97					

Band 38 Ant0 DSI2 Standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610	24	0	
20	QPSK	1	0	23.59	23.89	23.56			
20	QPSK	1	49	23.73	23.85	23.60			
20	QPSK	1	99	23.72	23.81	23.63			
20	QPSK	50	0	23.59	23.87	23.42	24	0	
20	QPSK	50	24	23.75	23.77	23.46			
20	QPSK	50	50	23.76	23.86	23.57			
20	QPSK	100	0	23.73	23.84	23.72			
20	16QAM	1	0	23.49	23.69	23.64	24	0	
20	16QAM	1	49	23.74	23.71	23.88			
20	16QAM	1	99	23.80	23.83	23.87			
20	16QAM	50	0	22.90	23.00	23.05			
20	16QAM	50	24	23.07	23.07	23.19	24	0	
20	16QAM	50	50	23.05	23.12	23.20			
20	16QAM	100	0	23.01	23.04	23.16			
20	64QAM	1	0	23.51	23.54	23.66	24	0	
20	64QAM	1	49	23.66	23.75	23.81			
20	64QAM	1	99	23.66	23.83	23.82			
20	64QAM	50	0	22.86	22.97	23.05			
20	64QAM	50	24	23.04	23.06	23.19	24	0	
20	64QAM	50	50	23.07	23.13	23.17			
20	64QAM	100	0	23.00	23.01	23.17			
20	256QAM	1	0	20.03	20.27	20.08	21	3	
20	256QAM	1	49	20.21	20.21	20.21			
20	256QAM	1	99	20.06	20.30	20.26			
20	256QAM	50	0	19.90	20.30	20.12			
20	256QAM	50	24	20.09	20.13	20.34	21	3	
20	256QAM	50	50	20.23	20.25	20.18			
20	256QAM	100	0	20.17	20.20	20.28			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	23.60	23.48	23.34	24	0	
15	QPSK	1	37	23.67	23.67	23.36			
15	QPSK	1	74	23.54	23.79	23.37			
15	QPSK	36	0	23.55	23.64	23.59			
15	QPSK	36	20	23.66	23.70	23.73	24	0	
15	QPSK	36	39	23.58	23.79	23.77			
15	QPSK	75	0	23.73	23.51	23.69			
15	16QAM	1	0	23.45	23.53	23.64			
15	16QAM	1	37	23.60	23.51	23.83	24	0	
15	16QAM	1	74	23.71	23.78	23.70			
15	16QAM	36	0	22.76	23.01	22.94			
15	16QAM	36	20	23.02	23.06	23.07			
15	16QAM	36	39	23.00	23.11	23.06	24	0	
15	16QAM	75	0	22.79	22.83	23.13			
15	64QAM	1	0	23.42	23.58	23.57			
15	64QAM	1	37	23.53	23.69	23.73			
15	64QAM	1	74	23.68	23.62	23.81	24	0	
15	64QAM	36	0	22.86	22.79	22.93			
15	64QAM	36	20	22.93	23.01	23.18			
15	64QAM	36	39	23.06	22.94	23.13			
15	64QAM	75	0	22.83	22.89	22.98	21	3	
15	256QAM	1	0	19.91	20.39	20.05			
15	256QAM	1	37	20.01	20.25	20.27			
15	256QAM	1	74	20.19	20.11	20.22			
15	256QAM	36	0	19.97	20.34	20.18	21	3	
15	256QAM	36	20	20.09	20.18	20.15			
15	256QAM	36	39	20.26	20.15	20.19			
15	256QAM	75	0	20.08	20.13	20.24			
Channel				37800	38000	38150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	23.39	23.69	23.54	24	0	
10	QPSK	1	25	23.67	23.76	23.67			
10	QPSK	1	49	23.60	23.61	23.59			
10	QPSK	25	0	23.55	23.58	23.63			
10	QPSK	25	12	23.69	23.74	23.75	24	0	
10	QPSK	25	25	23.71	23.85	23.83			
10	QPSK	50	0	23.67	23.59	23.86			
10	16QAM	1	0	23.61	23.57	23.62			
10	16QAM	1	25	23.66	23.50	23.85	24	0	
10	16QAM	1	49	23.76	23.84	23.66			
10	16QAM	25	0	22.78	22.84	22.74			
10	16QAM	25	12	23.00	22.96	23.11			
10	16QAM	25	25	22.91	23.02	23.11	24	0	
10	16QAM	50	0	22.87	22.95	23.10			
10	64QAM	1	0	23.43	23.54	23.60			
10	64QAM	1	25	23.44	23.67	23.76			
10	64QAM	1	49	23.66	23.81	23.75	24	0	
10	64QAM	25	0	22.83	22.99	23.01			
10	64QAM	25	12	22.96	23.04	23.02			
10	64QAM	25	25	22.94	23.15	23.16			
10	64QAM	50	0	22.99	22.86	23.16	21	3	
10	256QAM	1	0	20.01	20.31	20.16			
10	256QAM	1	25	20.02	20.32	20.34			
10	256QAM	1	49	20.21	20.15	20.15			
10	256QAM	25	0	20.07	20.24	20.21	21	3	
10	256QAM	25	12	20.20	20.22	20.04			
10	256QAM	25	25	20.17	20.19	20.12			
10	256QAM	50	0	20.19	20.35	20.07			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	23.33	23.60	23.54	24	0	
5	QPSK	1	12	23.44	23.54	23.69			
5	QPSK	1	24	23.60	23.69	23.63			
5	QPSK	12	0	23.45	23.50	23.52			
5	QPSK	12	7	23.49	23.51	23.74	24	0	
5	QPSK	12	13	23.49	23.59	23.81			
5	QPSK	25	0	23.64	23.54	23.70			
5	16QAM	1	0	23.42	23.48	23.53			
5	16QAM	1	12	23.54	23.44	23.65	24	0	
5	16QAM	1	24	23.53	23.51	23.78			
5	16QAM	12	0	22.71	22.76	22.74			
5	16QAM	12	7	22.96	22.80	22.98			
5	16QAM	12	13	22.80	22.85	23.00	24	0	
5	16QAM	25	0	22.78	22.84	23.02			
5	64QAM	1	0	23.22	23.35	23.57			
5	64QAM	1	12	23.49	23.47	23.59			
5	64QAM	1	24	23.49	23.61	23.59	24	0	
5	64QAM	12	0	22.76	22.75	22.92			
5	64QAM	12	7	22.86	22.86	23.08			
5	64QAM	12	13	22.82	22.89	23.08			
5	64QAM	25	0	22.89	22.72	22.89	21	3	
5	256QAM	1	0	20.09	20.32	20.02			
5	256QAM	1	12	20.05	20.27	20.20			
5	256QAM	1	24	20.11	20.33	20.27			
5	256QAM	12	0	19.88	20.27	20.08	21	3	
5	256QAM	12	7	20.22	20.11	20.14			
5	256QAM	12	13	20.14	20.31	20.13			
5	256QAM	25	0	20.17	20.22	20.18			

Band 41 Ant0_pc3 DS12 Standalone										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.55	23.46	23.92	23.52	23.44	24	0
20	QPSK	1	49	23.63	23.59	23.70	23.80	23.74		
20	QPSK	1	99	23.55	23.50	23.75	23.44	23.78		
20	QPSK	50	0	23.42	23.32	23.62	23.38	23.43		
20	QPSK	50	24	23.45	23.39	23.43	23.58	23.41	24	0
20	QPSK	50	50	23.40	23.34	23.49	23.45	23.53		
20	QPSK	100	0	23.42	23.33	23.51	23.45	23.40		
20	16QAM	1	0	23.19	23.13	23.34	23.21	23.06		
20	16QAM	1	49	23.36	23.25	23.45	23.41	23.41	24	0
20	16QAM	1	99	23.19	23.15	23.38	23.16	23.42		
20	16QAM	50	0	22.41	22.34	22.40	22.36	22.45		
20	16QAM	50	24	22.47	22.38	22.46	22.58	22.65		
20	16QAM	50	50	22.42	22.37	22.40	22.43	22.54	24	0
20	16QAM	100	0	22.43	22.36	22.39	22.47	22.53		
20	64QAM	1	0	23.19	23.14	23.35	23.12	23.11		
20	64QAM	1	49	23.30	23.27	23.40	23.43	23.41		
20	64QAM	1	99	23.10	23.19	23.40	23.10	23.48	24	0
20	64QAM	50	0	22.40	22.34	22.40	22.39	22.44		
20	64QAM	50	24	22.44	22.38	22.44	22.58	22.64		
20	64QAM	50	50	22.40	22.35	22.51	22.43	22.54		
20	64QAM	100	0	22.43	22.36	22.38	22.45	22.56	20	4
20	256QAM	1	0	18.85	18.97	19.27	19.01	18.88		
20	256QAM	1	49	18.92	19.03	19.10	19.18	19.09		
20	256QAM	1	99	18.94	18.83	19.05	18.82	19.17		
20	256QAM	50	0	18.80	18.84	18.96	18.83	18.80	20	4
20	256QAM	50	24	18.94	18.81	18.94	18.89	18.73		
20	256QAM	50	50	18.74	18.75	19.00	18.86	19.04		
20	256QAM	100	0	18.75	18.70	19.03	18.90	18.81		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	23.36	23.48	23.64	23.48	23.38	24	0
15	QPSK	1	37	23.58	23.45	23.55	23.52	23.58		
15	QPSK	1	74	23.42	23.35	23.69	23.42	23.56		
15	QPSK	36	0	23.33	23.31	23.42	23.34	23.41		
15	QPSK	36	20	23.24	23.22	23.27	23.50	23.53	24	0
15	QPSK	36	39	23.41	23.27	23.38	23.44	23.35		
15	QPSK	75	0	23.32	23.26	23.30	23.35	23.34		
15	16QAM	1	0	23.22	23.14	23.35	23.08	23.35		
15	16QAM	1	37	23.18	23.22	23.24	23.31	23.34	24	0
15	16QAM	1	74	23.13	22.99	23.24	23.17	23.33		
15	16QAM	36	0	22.25	22.18	22.21	22.30	22.31		
15	16QAM	36	20	22.29	22.30	22.46	22.43	22.46		
15	16QAM	36	39	22.22	22.30	22.39	22.32	22.51	24	0
15	16QAM	75	0	22.30	22.26	22.20	22.44	22.36		
15	64QAM	1	0	23.05	23.15	23.28	22.95	23.11		
15	64QAM	1	37	23.20	23.06	23.17	23.24	23.30		
15	64QAM	1	74	22.94	23.10	23.30	22.99	23.29	24	0
15	64QAM	36	0	22.40	22.19	22.25	22.18	22.43		
15	64QAM	36	20	22.36	22.39	22.31	22.54	22.45		
15	64QAM	36	39	22.20	22.31	22.37	22.33	22.55		
15	64QAM	75	0	22.44	22.29	22.35	22.27	22.42	20	4
15	256QAM	1	0	18.94	18.86	19.33	19.02	18.95		
15	256QAM	1	37	19.13	18.92	19.05	19.12	19.14		
15	256QAM	1	74	18.91	18.94	19.24	18.91	19.10		
15	256QAM	36	0	18.83	18.72	19.00	18.80	18.75	20	4
15	256QAM	36	20	18.79	18.78	18.90	18.97	18.84		
15	256QAM	36	39	18.78	18.79	18.94	18.90	18.83		
15	256QAM	75	0	18.77	18.71	19.02	18.94	18.89		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	23.56	23.39	23.62	23.47	23.45	24	0
10	QPSK	1	25	23.45	23.56	23.68	23.55	23.54		
10	QPSK	1	49	23.52	23.39	23.61	23.46	23.68		
10	QPSK	25	0	23.25	23.23	23.37	23.22	23.29		
10	QPSK	25	12	23.45	23.34	23.43	23.43	23.52	24	0
10	QPSK	25	25	23.39	23.20	23.28	23.25	23.37		
10	QPSK	50	0	23.33	23.15	23.24	23.34	23.35		
10	16QAM	1	0	23.19	22.98	23.34	23.16	23.32		
10	16QAM	1	25	23.21	23.20	23.32	23.31	23.22	24	0
10	16QAM	1	49	23.13	22.99	23.22	23.15	23.35		
10	16QAM	25	0	22.32	22.21	22.30	22.29	22.33		
10	16QAM	25	12	22.43	22.40	22.30	22.49	22.58		
10	16QAM	25	25	22.42	22.30	22.46	22.34	22.39	24	0
10	16QAM	50	0	22.43	22.21	22.22	22.46	22.44		
10	64QAM	1	0	23.12	23.02	23.24	23.10	22.94		
10	64QAM	1	25	23.18	23.20	23.26	23.22	23.30		
10	64QAM	1	49	22.98	23.15	23.20	23.05	23.25	24	0
10	64QAM	25	0	22.40	22.18	22.36	22.29	22.41		
10	64QAM	25	12	22.39	22.23	22.29	22.46	22.46		
10	64QAM	25	25	22.34	22.19	22.42	22.24	22.51		
10	64QAM	50	0	22.30	22.16	22.19	22.25	22.38	20	4
10	256QAM	1	0	18.88	18.80	19.17	18.84	18.90		
10	256QAM	1	25	19.10	19.07	19.00	19.21	19.17		
10	256QAM	1	49	19.02	18.89	19.21	18.83	19.07		
10	256QAM	25	0	18.75	18.83	19.00	18.88	18.92	20	4
10	256QAM	25	12	18.89	18.71	18.89	19.03	18.71		
10	256QAM	25	25	18.74	18.85	18.85	18.79	18.96		
10	256QAM	50	0	18.91	18.66	18.92	18.95	18.91		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5		
5	QPSK	1	0	23.31	23.26	23.44	23.28	23.25	24	0
5	QPSK	1	12	23.50	23.39	23.39	23.52	23.57		
5	QPSK	1	24	23.44	23.35	23.43	23.29	23.60		
5	QPSK	12	0	23.33	23.17	23.30	23.16	23.30		
5	QPSK	12	7	23.27	23.28	23.25	23.33	23.51	24	0
5	QPSK	12	13	23.26	23.13	23.30	23.24	23.34		
5	QPSK	25	0	23.28	23.11	23.17	23.33	23.24		
5	16QAM	1	0	23.05	22.90	23.16	23.01	23.24		
5	16QAM	1	12	23.19	23.12	23.20	23.29	23.11	24	0
5	16QAM	1	24	23.06	22.99	23.15	22.98	23.29		
5	16QAM	12	0	22.10	22.17	22.32	22.11	22.29		
5	16QAM	12	7	22.19	22.13	22.25	22.27	22.45		
5	16QAM	12	13	22.33	22.10	22.21	22.20	22.28	24	0
5	16QAM	25	0	22.34	22.19	22.28	22.29	22.26		
5	64QAM	1	0	23.02	23.04	23.21	23.03	22.89		
5	64QAM	1	12	23.00	23.13	23.18	23.14	23.21		
5	64QAM	1	24	23.00	22.88	23.21	22.95	23.07	24	0
5	64QAM	12	0	22.09	22.15	22.13	22.23	22.23		
5	64QAM	12	7	22.35	22.15	22.15	22.48	22.23		
5	64QAM	12	14	22.14	22.17	22.26	22.12	22.23		
5	64QAM	25	0	22.34	22.17	22.22	22.17	22.36	20	4
5	256QAM	1	0	19.02	18.85	19.18	18.94	18.78		
5	256QAM	1	12	18.92	19.08	19.13	19.11	19.14		
5	256QAM	1	24	18.94	18.90	19.19	18.93	19.14		
5	256QAM	12	0	18.78	18.75	19.13	18.84	18.73	20	4
5	256QAM	12	7	18.79	18.89	18.86	18.96	18.76		
5	256QAM	12	13	18.89	18.68	18.99	18.78	18.84		
5	256QAM	25	0	18.73	18.69	18.86	18.83	18.87		

Band 41 Ant0_pc2 DSI2 Standalone											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40620	41055	41490			
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	25.75	25.79	25.97	25.69	25.74	27	0	
20	QPSK	1	49	25.88	25.93	25.87	25.88	25.76			
20	QPSK	1	99	25.83	25.94	25.91	25.78	25.83			
20	QPSK	50	0	25.65	25.60	25.87	25.69	25.77	27	0	
20	QPSK	50	24	25.69	25.76	25.65	25.78	25.82			
20	QPSK	50	50	25.64	25.75	25.68	25.71	25.69			
20	QPSK	100	0	25.65	25.74	25.79	25.66	25.76	27	0	
20	16QAM	1	0	25.81	25.80	25.95	25.67	25.79			
20	16QAM	1	49	25.92	25.86	25.83	25.88	25.91			
20	16QAM	1	99	25.86	25.93	25.81	25.82	25.86	26	1	
20	16QAM	50	0	24.66	24.73	24.71	24.70	24.80			
20	16QAM	50	24	24.69	24.75	24.66	24.88	24.96			
20	16QAM	50	50	24.67	24.76	24.71	24.74	24.92	26	1	
20	16QAM	100	0	24.69	24.73	24.60	24.79	24.89			
20	64QAM	1	0	25.62	25.73	25.68	25.64	25.62			
20	64QAM	1	49	25.91	25.91	25.84	25.87	25.85	26	1	
20	64QAM	1	99	25.72	25.79	25.86	25.66	25.89			
20	64QAM	50	0	24.67	24.72	24.69	24.68	24.78			
20	64QAM	50	24	24.68	24.73	24.66	24.89	24.96	26	1	
20	64QAM	50	50	24.67	24.74	24.69	24.78	24.93			
20	64QAM	100	0	24.66	24.73	24.62	24.72	24.85			
20	256QAM	1	0	21.66	21.67	21.85	21.65	21.62	23	4	
20	256QAM	1	49	21.81	21.88	21.83	21.74	21.73			
20	256QAM	1	99	21.82	21.89	21.85	21.77	21.71			
20	256QAM	50	0	21.53	21.48	21.69	21.66	21.69	23	4	
20	256QAM	50	24	21.69	21.73	21.54	21.74	21.63			
20	256QAM	50	50	21.50	21.64	21.58	21.67	21.56			
20	256QAM	100	0	21.56	21.66	21.62	21.61	21.68			
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	27.00	0	
15	QPSK	1	0	25.59	25.74	25.94	25.60	25.72			
15	QPSK	1	37	25.84	25.89	25.84	25.76	25.59	27	0	
15	QPSK	1	74	25.79	25.90	25.85	25.69	25.70			
15	QPSK	36	0	25.52	25.55	25.70	25.62	25.71			
15	QPSK	36	20	25.64	25.63	25.56	25.70	25.73	27	0	
15	QPSK	36	39	25.56	25.81	25.53	25.59	25.67			
15	QPSK	75	0	25.60	25.66	25.72	25.51	25.65			
15	16QAM	1	0	25.73	25.71	25.91	25.56	25.63	27	0	
15	16QAM	1	37	25.76	25.81	25.80	25.71	25.84			
15	16QAM	1	74	25.76	25.76	25.69	25.80	25.70			
15	16QAM	36	0	24.61	24.63	24.64	24.57	24.62	26	1	
15	16QAM	36	20	24.60	24.63	24.63	24.80	24.93			
15	16QAM	36	39	24.64	24.72	24.59	24.58	24.83			
15	16QAM	75	0	24.52	24.64	24.49	24.65	24.72	26	1	
15	64QAM	1	0	25.48	25.68	25.52	25.60	25.47			
15	64QAM	1	37	25.77	25.85	25.70	25.83	25.78			
15	64QAM	1	74	25.64	25.74	25.84	25.56	25.80	26	1	
15	64QAM	36	0	24.61	24.65	24.54	24.57	24.64			
15	64QAM	36	20	24.56	24.67	24.53	24.79	24.82			
15	64QAM	36	39	24.50	24.65	24.56	24.70	24.86	26	1	
15	64QAM	75	0	24.57	24.59	24.57	24.57	24.78			
15	256QAM	1	0	21.57	21.63	21.76	21.62	21.59			
15	256QAM	1	37	21.68	21.73	21.71	21.62	21.64	23	4	
15	256QAM	1	74	21.72	21.83	21.82	21.67	21.58			
15	256QAM	36	0	21.39	21.41	21.58	21.55	21.60			
15	256QAM	36	20	21.56	21.69	21.51	21.70	21.55	23	4	
15	256QAM	36	39	21.35	21.54	21.46	21.52	21.39			
15	256QAM	75	0	21.43	21.54	21.52	21.52	21.62			
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501	2547	2593	2639	2685	27.00	0	
10	QPSK	1	0	25.62	25.70	25.86	25.66	25.66			
10	QPSK	1	25	25.73	25.85	25.72	25.81	25.59	27	0	
10	QPSK	1	49	25.70	25.85	25.74	25.61	25.68			
10	QPSK	25	0	25.57	25.58	25.84	25.66	25.70			
10	QPSK	25	12	25.54	25.63	25.60	25.65	25.77	27	0	
10	QPSK	25	25	25.58	25.64	25.65	25.54	25.55			
10	QPSK	50	0	25.47	25.58	25.64	25.52	25.72			
10	16QAM	1	0	25.70	25.63	25.81	25.62	25.62	27	0	
10	16QAM	1	25	25.86	25.80	25.77	25.74	25.83			
10	16QAM	1	49	25.71	25.85	25.77	25.64	25.80			
10	16QAM	25	0	24.55	24.62	24.68	24.61	24.69	26	1	
10	16QAM	25	12	24.54	24.61	24.54	24.78	24.84			
10	16QAM	25	25	24.55	24.64	24.66	24.70	24.78			
10	16QAM	50	0	24.58	24.66	24.50	24.65	24.72	26	1	
10	64QAM	1	0	25.46	25.64	25.66	25.54	25.49			
10	64QAM	1	25	25.82	25.81	25.66	25.69	25.79			
10	64QAM	1	49	25.57	25.66	25.79	25.51	25.72	26	1	
10	64QAM	25	0	24.64	24.57	24.65	24.55	24.70			
10	64QAM	25	12	24.56	24.70	24.59	24.75	24.90			
10	64QAM	25	25	24.59	24.67	24.65	24.63	24.81	26	1	
10	64QAM	50	0	24.58	24.71	24.48	24.69	24.74			
10	256QAM	1	0	21.49	21.49	21.71	21.62	21.60			
10	256QAM	1	25	21.71	21.82	21.78	21.67	21.63	23	4	
10	256QAM	1	49	21.69	21.83	21.70	21.60	21.68			
10	256QAM	25	0	21.51	21.43	21.66	21.49	21.52			
10	256QAM	25	12	21.56	21.67	21.39	21.66	21.54	23	4	
10	256QAM	25	25	21.35	21.60	21.50	21.63	21.48			
10	256QAM	50	0	21.46	21.61	21.55	21.49	21.65			
Channel				39675	40148	40620	41093	41566	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	27.00	0	
5	QPSK	1	0	25.70	25.71	25.85	25.54	25.63			
5	QPSK	1	12	25.70	25.82	25.78	25.76	25.60	27	0	
5	QPSK	1	24	25.69	25.76	25.78	25.73	25.70			
5	QPSK	12	0	25.57	25.49	25.78	25.63	25.67			
5	QPSK	12	7	25.53	25.61	25.48	25.66	25.65	27	0	
5	QPSK	12	13	25.54	25.65	25.63	25.58	25.52			
5	QPSK	25	0	25.57	25.58	25.62	25.51	25.67			
5	16QAM	1	0	25.72	25.75	25.91	25.55	25.74	27	0	
5	16QAM	1	12	25.85	25.82	25.71	25.83	25.82			
5	16QAM	1	24	25.74	25.81	25.68	25.78	25.78			
5	16QAM	12	0	24.63	24.56	24.67	24.67	24.71	26	1	
5	16QAM	12	7	24.55	24.70	24.60	24.81	24.93			

Band 38 Ant0 DSI2 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	23.59	23.89	23.56	24	0	
20	QPSK	1	49	23.73	23.85	23.60			
20	QPSK	1	99	23.72	23.81	23.63			
20	QPSK	50	0	23.59	23.87	23.42			
20	QPSK	50	24	23.75	23.77	23.46	24	0	
20	QPSK	50	50	23.76	23.86	23.57			
20	QPSK	100	0	23.73	23.84	23.72			
20	16QAM	1	0	23.49	23.69	23.64			
20	16QAM	1	49	23.74	23.71	23.88	24	0	
20	16QAM	1	99	23.80	23.83	23.87			
20	16QAM	50	0	22.90	23.00	23.05			
20	16QAM	50	24	23.07	23.07	23.19			
20	16QAM	50	50	23.05	23.12	23.20	24	0	
20	16QAM	100	0	23.01	23.04	23.16			
20	64QAM	1	0	23.51	23.54	23.66			
20	64QAM	1	49	23.66	23.75	23.81			
20	64QAM	1	99	23.66	23.83	23.82	24	0	
20	64QAM	50	0	22.86	22.97	23.05			
20	64QAM	50	24	23.04	23.06	23.19			
20	64QAM	50	50	23.07	23.13	23.17			
20	64QAM	100	0	23.00	23.01	23.17	24	0	
20	256QAM	1	0	20.03	20.27	20.08			
20	256QAM	1	49	20.21	20.21	20.27			
20	256QAM	1	99	20.06	20.30	20.26			
20	256QAM	50	0	19.90	20.30	20.12	21	3	
20	256QAM	50	24	20.09	20.13	20.34			
20	256QAM	50	50	20.23	20.25	20.18			
20	256QAM	100	0	20.17	20.20	20.28			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	23.60	23.48	23.34	24	0	
15	QPSK	1	37	23.67	23.67	23.36			
15	QPSK	1	74	23.54	23.79	23.37			
15	QPSK	36	0	23.55	23.64	23.59			
15	QPSK	36	20	23.66	23.70	23.73	24	0	
15	QPSK	36	39	23.58	23.79	23.77			
15	QPSK	75	0	23.73	23.51	23.69			
15	16QAM	1	0	23.45	23.53	23.64			
15	16QAM	1	37	23.60	23.51	23.83	24	0	
15	16QAM	1	74	23.71	23.78	23.70			
15	16QAM	36	0	22.76	23.01	22.94			
15	16QAM	36	20	23.02	23.06	23.07			
15	16QAM	36	39	23.00	23.11	23.06	24	0	
15	16QAM	75	0	22.79	22.83	23.13			
15	64QAM	1	0	23.42	23.58	23.57			
15	64QAM	1	37	23.53	23.69	23.73			
15	64QAM	1	74	23.68	23.62	23.81	24	0	
15	64QAM	36	0	22.86	22.79	22.93			
15	64QAM	36	20	22.93	23.01	23.18			
15	64QAM	36	39	23.06	22.94	23.13			
15	64QAM	75	0	22.83	22.89	22.98	21	3	
15	256QAM	1	0	19.91	20.39	20.05			
15	256QAM	1	37	20.01	20.25	20.27			
15	256QAM	1	74	20.19	20.11	20.22			
15	256QAM	36	0	19.97	20.34	20.18	21	3	
15	256QAM	36	20	20.09	20.18	20.15			
15	256QAM	36	39	20.26	20.15	20.19			
15	256QAM	75	0	20.08	20.13	20.24			
Channel				37800	38000	24	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	23.39	23.69	23.54	24	0	
10	QPSK	1	25	23.67	23.76	23.67			
10	QPSK	1	49	23.60	23.61	23.59			
10	QPSK	25	0	23.55	23.58	23.63			
10	QPSK	25	12	23.69	23.74	23.75	24	0	
10	QPSK	25	25	23.71	23.85	23.83			
10	QPSK	50	0	23.67	23.59	23.86			
10	16QAM	1	0	23.61	23.57	23.62			
10	16QAM	1	25	23.66	23.50	23.85	24	0	
10	16QAM	1	49	23.76	23.84	23.66			
10	16QAM	25	0	22.78	22.84	22.74			
10	16QAM	25	12	23.00	22.96	23.11			
10	16QAM	25	25	22.91	23.02	23.11	24	0	
10	16QAM	50	0	22.87	22.95	23.10			
10	64QAM	1	0	23.43	23.54	23.60			
10	64QAM	1	25	23.44	23.67	23.76			
10	64QAM	1	49	23.66	23.81	23.75	24	0	
10	64QAM	25	0	22.83	22.99	23.01			
10	64QAM	25	12	22.96	23.04	23.02			
10	64QAM	25	25	22.94	23.15	23.16			
10	64QAM	50	0	22.99	22.86	23.16	21	3	
10	256QAM	1	0	20.01	20.31	20.16			
10	256QAM	1	25	20.02	20.32	20.34			
10	256QAM	1	49	20.21	20.15	20.15			
10	256QAM	25	0	20.07	20.24	20.21	21	3	
10	256QAM	25	12	20.20	20.22	20.04			
10	256QAM	25	25	20.17	20.19	20.12			
10	256QAM	50	0	20.19	20.35	20.07			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	23.33	23.60	23.54	24	0	
5	QPSK	1	12	23.44	23.54	23.69			
5	QPSK	1	24	23.60	23.69	23.63			
5	QPSK	12	0	23.45	23.50	23.52			
5	QPSK	12	7	23.49	23.51	23.74	24	0	
5	QPSK	12	13	23.49	23.59	23.81			
5	QPSK	25	0	23.64	23.54	23.70			
5	16QAM	1	0	23.42	23.48	23.53			
5	16QAM	1	12	23.54	23.44	23.65	24	0	
5	16QAM	1	24	23.53	23.51	23.78			
5	16QAM	12	0	22.71	22.76	22.74			
5	16QAM	12	7	22.96	22.80	22.98			
5	16QAM	12	13	22.80	22.85	23.00	24	0	
5	16QAM	25	0	22.78	22.84	23.02			
5	64QAM	1	0	23.22	23.35	23.57			
5	64QAM	1	12	23.49	23.47	23.59			
5	64QAM	1	24	23.49	23.61	23.59	24	0	
5	64QAM	12	0	22.76	22.75	22.92			
5	64QAM	12	7	22.86	22.86	23.08			
5	64QAM	12	13	22.82	22.89	23.08			
5	64QAM	25	0	22.89	22.72	22.89	21	3	
5	256QAM	1	0	20.09	20.32	20.02			
5	256QAM	1	12	20.05	20.27	20.20			
5	256QAM	1	24	20.11	20.33	20.27			
5	256QAM	12	0	19.88	20.27	20.08	21	3	
5	256QAM	12	7	20.22	20.11	20.14			
5	256QAM	12	13	20.14	20.31	20.13			
5	256QAM	25	0	20.17	20.22	20.18			

Band 41 Ant0_pc3 DS12 Simultaneous										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.55	23.46	23.92	23.52	23.44	24	0
20	QPSK	1	49	23.63	23.59	23.70	23.80	23.74		
20	QPSK	1	99	23.55	23.50	23.75	23.44	23.78		
20	QPSK	50	0	23.42	23.32	23.62	23.38	23.43		
20	QPSK	50	24	23.45	23.39	23.43	23.58	23.41	24	0
20	QPSK	50	50	23.40	23.34	23.49	23.45	23.53		
20	QPSK	100	0	23.42	23.33	23.51	23.45	23.40		
20	16QAM	1	0	23.19	23.13	23.34	23.21	23.06		
20	16QAM	1	49	23.36	23.25	23.45	23.41	23.41	24	0
20	16QAM	1	99	23.19	23.15	23.38	23.16	23.42		
20	16QAM	50	0	22.41	22.34	22.40	22.36	22.45		
20	16QAM	50	24	22.47	22.38	22.46	22.58	22.65		
20	16QAM	50	50	22.42	22.37	22.49	22.43	22.54	24	0
20	16QAM	100	0	22.43	22.36	22.39	22.47	22.53		
20	64QAM	1	0	23.19	23.14	23.35	23.12	23.11		
20	64QAM	1	49	23.30	23.27	23.40	23.43	23.41		
20	64QAM	1	99	23.10	23.19	23.40	23.10	23.48	24	0
20	64QAM	50	0	22.40	22.34	22.40	22.39	22.44		
20	64QAM	50	24	22.44	22.38	22.44	22.58	22.64		
20	64QAM	50	50	22.40	22.35	22.51	22.43	22.54		
20	64QAM	100	0	22.43	22.36	22.38	22.45	22.56	24	0
20	256QAM	1	0	18.85	18.97	19.27	19.01	18.88		
20	256QAM	1	49	18.92	19.03	19.10	19.18	19.09		
20	256QAM	1	99	18.94	18.83	19.05	18.82	19.17		
20	256QAM	50	0	18.80	18.84	18.96	18.83	18.80	20	4
20	256QAM	50	24	18.94	18.81	18.94	18.89	18.73		
20	256QAM	50	50	18.74	18.75	19.00	18.86	19.04		
20	256QAM	100	0	18.75	18.70	19.03	18.90	18.81		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	23.36	23.48	23.64	23.48	23.38	24.00	0
15	QPSK	1	37	23.58	23.45	23.55	23.52	23.58		
15	QPSK	1	74	23.42	23.35	23.69	23.42	23.56		
15	QPSK	36	0	23.33	23.31	23.42	23.34	23.41		
15	QPSK	36	20	23.24	23.22	23.27	23.50	23.53	24	0
15	QPSK	36	39	23.41	23.27	23.38	23.44	23.35		
15	QPSK	75	0	23.32	23.26	23.30	23.35	23.34		
15	16QAM	1	0	23.20	23.14	23.35	23.08	23.35		
15	16QAM	1	37	23.18	23.22	23.24	23.31	23.34	24	0
15	16QAM	1	74	23.13	23.99	23.24	23.17	23.33		
15	16QAM	36	0	22.25	22.18	22.21	22.30	22.31		
15	16QAM	36	20	22.29	22.30	22.46	22.43	22.46		
15	16QAM	36	39	22.22	22.30	22.39	22.32	22.51	24	0
15	16QAM	75	0	22.30	22.26	22.20	22.44	22.36		
15	64QAM	1	0	23.05	23.15	23.28	22.95	23.11		
15	64QAM	1	37	23.20	23.06	23.17	23.24	23.30		
15	64QAM	1	74	22.94	23.10	23.30	22.99	23.29	24	0
15	64QAM	36	0	22.40	22.19	22.25	22.18	22.43		
15	64QAM	36	20	22.36	22.39	22.31	22.54	22.45		
15	64QAM	36	39	22.20	22.31	22.37	22.33	22.55		
15	64QAM	75	0	22.44	22.29	22.35	22.27	22.42	20	4
15	256QAM	1	0	18.94	18.86	19.33	19.02	18.96		
15	256QAM	1	37	19.13	18.92	19.05	19.12	19.14		
15	256QAM	1	74	18.91	18.94	19.24	18.91	19.10		
15	256QAM	36	0	18.83	18.72	19.00	18.80	18.75	20	4
15	256QAM	36	20	18.79	18.78	18.90	18.97	18.84		
15	256QAM	36	39	18.78	18.79	18.94	18.89	18.83		
15	256QAM	75	0	18.77	18.71	19.02	18.94	18.89		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	23.56	23.39	23.62	23.47	23.45	24.00	0
10	QPSK	1	25	23.45	23.56	23.68	23.55	23.54		
10	QPSK	1	49	23.52	23.39	23.61	23.46	23.68		
10	QPSK	25	0	23.25	23.23	23.37	23.42	23.38		
10	QPSK	25	12	23.45	23.34	23.43	23.43	23.52	24	0
10	QPSK	25	25	23.39	23.20	23.28	23.25	23.37		
10	QPSK	50	0	23.33	23.15	23.24	23.34	23.35		
10	16QAM	1	0	23.19	22.98	23.34	23.16	23.32		
10	16QAM	1	25	23.21	23.20	23.32	23.31	23.27	24	0
10	16QAM	1	49	23.13	22.99	23.22	23.15	23.35		
10	16QAM	25	0	23.32	23.21	23.30	23.29	23.33		
10	16QAM	25	12	22.43	22.40	22.30	22.49	22.58		
10	16QAM	25	25	22.42	22.30	22.46	22.34	22.39	24	0
10	16QAM	50	0	22.43	22.21	22.22	22.46	22.44		
10	64QAM	1	0	23.12	23.02	23.24	23.10	22.94		
10	64QAM	1	25	23.18	23.20	23.26	23.22	23.30		
10	64QAM	1	49	22.98	23.15	23.20	23.05	23.25	24	0
10	64QAM	25	0	22.40	22.18	22.36	22.29	22.41		
10	64QAM	25	12	22.39	22.23	22.29	22.46	22.46		
10	64QAM	25	25	22.34	22.19	22.42	22.24	22.51		
10	64QAM	50	0	22.30	22.16	22.19	22.25	22.38	20	4
10	256QAM	1	0	18.88	18.80	19.17	18.84	18.90		
10	256QAM	1	25	19.10	19.07	19.00	19.21	19.17		
10	256QAM	1	49	19.02	18.89	19.21	18.83	19.07		
10	256QAM	25	0	18.75	18.83	19.00	18.88	18.92	20	4
10	256QAM	25	12	18.89	18.71	18.89	19.03	18.71		
10	256QAM	25	25	18.74	18.85	18.85	18.79	18.96		
10	256QAM	50	0	18.91	18.66	18.92	18.95	18.91		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.3	2593	2640.0	2697.2		
5	QPSK	1	0	23.31	23.26	23.44	23.28	23.25	24.00	0
5	QPSK	1	12	23.50	23.39	23.39	23.52	23.57		
5	QPSK	1	24	23.44	23.35	23.43	23.29	23.60		
5	QPSK	12	0	23.33	23.17	23.30	23.16	23.30		
5	QPSK	12	7	23.27	23.28	23.25	23.33	23.51	24	0
5	QPSK	12	13	23.26	23.13	23.30	23.24	23.34		
5	QPSK	25	0	23.28	23.11	23.17	23.33	23.24		
5	16QAM	1	0	23.05	22.90	23.10	23.01	23.24		
5	16QAM	1	12	23.19	23.12	23.20	23.29	23.11	24	0
5	16QAM	1	24	23.06	22.99	23.15	22.98	23.29		
5	16QAM	12	0	22.10	22.17	22.32	22.11	22.29		
5	16QAM	12	7	22.19	22.13	22.25	22.27	22.45		
5	16QAM	12	13	22.33	22.10	22.21	22.20	22.28	24	0
5	16QAM	25	0	22.34	22.19	22.28	22.29	22.26		
5	64QAM	1	0	23.02	23.04	23.21	23.03	22.89		
5	64QAM	1	12	23.00	23.13	23.18	23.14	23.21		
5	64QAM	1	24	23.00	22.88	23.21	22.95	23.07	24	0
5	64QAM	12	0	22.09	22.15	22.13	22.23	22.23		
5	64QAM	12	7	22.35	22.15	22.15	22.42	22.33		
5	64QAM	12	13	22.14	22.17	22.26	22.16	22.23		
5	64QAM	25	0	22.34	22.17	22.22	22.17	22.23	20	4
5	256QAM	1	0	19.02	18.85	19.18	18.94	18.78		
5	256QAM	1	12	18.92	19.08	19.13	19.11	19.14		
5	256QAM	1	24	18.94	19.00	19.19	18.93	19.14		
5	256QAM	12	0	18.78	18.75	19.13	18.84	18.73	20	4
5	256QAM	12	7	18.79	18.89	18.86	18.96	18.76		
5	256QAM	12	13	18.89	18.68	18.99	18.78	18.84		
5	256QAM	25	0	18.73	18.69	18.86	18.83	18.87		

Band 41 Ant0_pc2 DSI2 Simultaneous												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	25.75	25.79	25.97	25.69	25.74	27	0		
20	QPSK	1	49	25.88	25.93	25.87	25.88	25.76				
20	QPSK	1	99	25.83	25.94	25.91	25.78	25.83				
20	QPSK	50	0	25.65	25.60	25.87	25.69	25.77	27	0		
20	QPSK	50	24	25.69	25.76	25.65	25.78	25.82				
20	QPSK	50	50	25.64	25.75	25.68	25.71	25.69				
20	QPSK	100	0	25.65	25.74	25.79	25.66	25.76	27	0		
20	16QAM	1	0	25.81	25.80	25.95	25.67	25.79				
20	16QAM	1	49	25.92	25.86	25.83	25.88	25.91				
20	16QAM	1	99	25.86	25.93	25.81	25.82	25.86	26	1		
20	16QAM	50	0	24.66	24.73	24.71	24.70	24.80				
20	16QAM	50	24	24.69	24.75	24.66	24.88	24.96				
20	16QAM	50	50	24.67	24.76	24.71	24.74	24.92	26	1		
20	16QAM	100	0	24.69	24.73	24.60	24.79	24.89				
20	64QAM	1	0	25.62	25.73	25.68	25.64	25.62				
20	64QAM	1	49	25.91	25.91	25.84	25.87	25.85	26	1		
20	64QAM	1	99	25.72	25.79	25.86	25.66	25.89				
20	64QAM	50	0	24.67	24.72	24.69	24.68	24.78				
20	64QAM	50	24	24.68	24.73	24.66	24.89	24.96	26	1		
20	64QAM	50	50	24.67	24.74	24.69	24.78	24.93				
20	64QAM	100	0	24.66	24.73	24.62	24.72	24.85				
20	256QAM	1	0	21.66	21.67	21.85	21.85	21.62	23	4		
20	256QAM	1	49	21.81	21.88	21.83	21.74	21.73				
20	256QAM	1	99	21.82	21.89	21.85	21.77	21.71				
20	256QAM	50	0	21.53	21.48	21.69	21.66	21.69	23	4		
20	256QAM	50	24	21.89	21.73	21.54	21.74	21.63				
20	256QAM	50	50	21.50	21.64	21.58	21.67	21.56				
20	256QAM	100	0	21.56	21.66	21.62	21.61	21.68				
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5				
15	QPSK	1	0	25.59	25.74	25.94	25.60	25.72	27.00	0		
15	QPSK	1	37	25.84	25.89	25.84	25.76	25.59				
15	QPSK	1	74	25.79	25.90	25.85	25.69	25.70				
15	QPSK	36	0	25.52	25.55	25.70	25.62	25.71	27	0		
15	QPSK	36	20	25.64	25.63	25.56	25.70	25.73				
15	QPSK	36	39	25.56	25.61	25.53	25.59	25.67				
15	QPSK	75	0	25.60	25.66	25.72	25.51	25.65	27	0		
15	16QAM	1	0	25.73	25.71	25.91	25.56	25.63				
15	16QAM	1	37	25.76	25.81	25.80	25.71	25.84				
15	16QAM	1	74	25.76	25.76	25.69	25.80	25.70	26	1		
15	16QAM	36	0	24.61	24.63	24.64	24.57	24.62				
15	16QAM	36	20	24.60	24.63	24.63	24.80	24.93				
15	16QAM	36	39	24.64	24.72	24.59	24.58	24.83	26	1		
15	16QAM	75	0	24.52	24.64	24.49	24.65	24.72				
15	64QAM	1	0	25.48	25.68	25.52	25.60	25.47				
15	64QAM	1	37	25.77	25.85	25.70	25.83	25.78	26	1		
15	64QAM	1	74	25.64	25.74	25.84	25.56	25.80				
15	64QAM	36	0	24.61	24.65	24.54	24.57	24.64				
15	64QAM	36	20	24.56	24.67	24.53	24.79	24.82	26	1		
15	64QAM	36	39	24.50	24.65	24.56	24.70	24.86				
15	64QAM	75	0	24.57	24.59	24.57	24.57	24.78				
15	256QAM	1	0	21.57	21.63	21.76	21.62	21.59	23	4		
15	256QAM	1	37	21.68	21.73	21.71	21.62	21.64				
15	256QAM	1	74	21.72	21.83	21.82	21.67	21.58				
15	256QAM	36	0	21.39	21.41	21.58	21.55	21.60	23	4		
15	256QAM	36	20	21.56	21.69	21.51	21.70	21.55				
15	256QAM	36	39	21.35	21.54	21.46	21.52	21.39				
15	256QAM	75	0	21.43	21.54	21.52	21.52	21.62				
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2501	2547	2593	2639	2685				
10	QPSK	1	0	25.62	25.70	25.86	25.66	25.66	27.00	0		
10	QPSK	1	25	25.73	25.85	25.72	25.81	25.59				
10	QPSK	1	49	25.70	25.85	25.74	25.61	25.68				
10	QPSK	25	0	25.57	25.58	25.84	25.66	25.70	27	0		
10	QPSK	25	12	25.54	25.63	25.60	25.65	25.77				
10	QPSK	25	25	25.58	25.64	25.65	25.54	25.55				
10	QPSK	50	0	25.47	25.58	25.64	25.52	25.72	27	0		
10	16QAM	1	0	25.70	25.63	25.81	25.62	25.62				
10	16QAM	1	25	25.86	25.80	25.77	25.74	25.83				
10	16QAM	1	49	25.71	25.85	25.77	25.64	25.80	26	1		
10	16QAM	25	0	24.55	24.62	24.68	24.61	24.69				
10	16QAM	25	12	24.54	24.61	24.54	24.78	24.84				
10	16QAM	25	25	24.55	24.64	24.66	24.70	24.78	26	1		
10	16QAM	50	0	24.58	24.66	24.50	24.65	24.72				
10	64QAM	1	0	25.46	25.64	25.66	25.54	25.49				
10	64QAM	1	25	25.82	25.81	25.66	25.69	25.79	26	1		
10	64QAM	1	49	25.57	25.66	25.79	25.51	25.72				
10	64QAM	25	0	24.64	24.57	24.65	24.55	24.70				
10	64QAM	25	12	24.56	24.70	24.59	24.75	24.90	26	1		
10	64QAM	25	25	24.59	24.67	24.65	24.63	24.81				
10	64QAM	50	0	24.58	24.71	24.48	24.69	24.74				
10	256QAM	1	0	21.49	21.49	21.71	21.62	21.60	23	4		
10	256QAM	1	25	21.71	21.82	21.78	21.67	21.63				
10	256QAM	1	49	21.69	21.83	21.70	21.60	21.68				
10	256QAM	25	0	21.51	21.43	21.66	21.49	21.52	23	4		
10	256QAM	25	12	21.56	21.67	21.39	21.66	21.54				
10	256QAM	25	25	21.35	21.60	21.50	21.63	21.48				
10	256QAM	50	0	21.46	21.61	21.55	21.49	21.65				
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5				
5	QPSK	1	0	25.70	25.71	25.85	25.54	25.63	27.00	0		
5	QPSK	1	12	25.70	25.82	25.78	25.76	25.60				
5	QPSK	1	24	25.69	25.76	25.78	25.73	25.70	27	0		
5	QPSK	12	0	25.57	25.49	25.79	25.63	25.67				
5	QPSK	12	7	25.53	25.61	25.48	25.66	25.65	27	0		
5	QPSK	12	13	25.54	25.65	25.63	25.58	25.52				
5	QPSK	25	0	25.57	25.58	25.62	25.51	25.67	27	0		
5	16QAM	1	0	25.72	25.75	25.91	25.55	25.74				
5	16QAM	1	12	25.85	25.82	25.71	25.83	25.82	26	1		
5	16QAM	1	24	25.74	25.81	25.68	25.78	25.78				
5	16QAM	12	0	24.63	24.56	24.67	24.67	24.71	26	1		
5	16QAM	12	7	24.55	24.70	24.60	24.81	24.93				
5	16QAM	12	13	24.62	24.72	24.61	24.70	24.75	26	1		
5	16QAM	25	0	24.62	24.56	24.53	24.75	24.85				
5	64QAM	1	0	25.52	25.65	25.63	25.54	25.58	26	1		
5	64QAM	1	12	25.81	25.77	25.73	25.71	25.81				
5	64QAM	1	24	25.57	25.74	25.81	25.55	25.73	26	1		
5	64QAM	12	0	24.65	24.63	24.56	24.53	24.70				
5	64QAM	12	7	24.57	24.68	24.55	24.86	24.86	26	1		
5	64QAM	12	13	24.57	24.56	24.52	24.74	24.85				
5	64QAM	25	0	24.52	24.60	24.49	24.56	24.80	23	4		
5	256QAM	1	0	21.62	21.52	21.70	21.55	21.50				
5	256QAM	1	12	21.74	21.80	21.71	21.70	21.60				
5	256QAM	1	24	21.67	21.74	21.70	21.72	21.67				
5	256QAM	12	0	21.42	21.37	21.55	21.57	21.60	23	4		
5	256QAM	12	7	21.57	21.71	21.45	21.60	21.45				
5	256QAM	12	13	21.38	21.55	21.40	21.50	21.51				
5	256QAM	25	0	21.54	21.56	21.47	21.48	21.65				

GSM850 Ant1 DS12 Standalone

	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	32.17	32.28	32.07	33.20	23.17	23.28	23.07	24.20
GPRS 1 Tx slot	32.31	32.14	32.06	33.20	23.31	23.14	23.06	24.20
GPRS 2 Tx slots	28.84	29.28	29.21	30.20	22.84	23.28	23.21	24.20
GPRS 3 Tx slots	27.41	27.59	27.53	28.50	23.15	23.33	23.27	24.24
GPRS 4 Tx slots	25.78	26.15	26.07	27.20	22.78	23.15	23.07	24.20
EDGE 1 Tx slot	25.01	24.93	25.07	26.00	16.01	15.93	16.07	17.00
EDGE 2 Tx slots	23.26	23.11	23.35	25.00	17.26	17.11	17.35	19.00
EDGE 3 Tx slots	21.98	21.95	22.03	23.50	17.72	17.69	17.77	19.24
EDGE 4 Tx slots	19.94	19.88	20.13	21.50	16.94	16.88	17.13	18.50

WCDMA V Ant1 DS12 Standalone

Band	WCDMA V			Tune-up Limit (dBm)
TX Channel	4132	4182	4233	
Rx Channel	4357	4407	4458	
Frequency (MHz)	825.4	835.4	845.3	
3GPP Rel 99 AMR 12.2Kbps	22.24	22.34	22.39	23.70
3GPP Rel 99 RMC 12.2Kbps	22.31	22.43	22.42	23.70
3GPP Rel 6 HSDPA Subtest-1	21.50	21.48	21.36	22.70
3GPP Rel 6 HSDPA Subtest-2	21.44	21.54	21.39	22.70
3GPP Rel 6 HSDPA Subtest-3	20.91	21.01	21.07	22.20
3GPP Rel 6 HSDPA Subtest-4	20.91	21.00	21.09	22.20
3GPP Rel 6 DC-HSDPA Subtest-1	21.49	21.25	21.57	22.70
3GPP Rel 6 DC-HSDPA Subtest-2	21.29	21.41	21.44	22.70
3GPP Rel 6 DC-HSDPA Subtest-3	20.83	20.98	21.00	22.20
3GPP Rel 6 DC-HSDPA Subtest-4	20.76	20.90	21.10	22.20
3GPP Rel 6 HSUPA Subtest-1	21.50	21.55	21.57	22.70
3GPP Rel 6 HSUPA Subtest-2	19.44	19.56	19.64	20.70
3GPP Rel 6 HSUPA Subtest-3	20.39	20.60	20.50	21.70
3GPP Rel 6 HSUPA Subtest-4	19.42	19.47	19.60	20.70
3GPP Rel 6 HSUPA Subtest-5	21.31	21.42	21.58	22.70

GSM850 Ant1 DSI2 Simultaneous

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	128	159	251		128	159	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)								
GSM 1 Tx slot	31.05	31.12	30.96	31.90	22.05	22.12	21.96	22.90
GPRS 1 Tx slot	31.02	31.01	30.91	31.90	22.02	22.01	21.91	22.90
GPRS 2 Tx slots	28.01	28.04	27.98	28.90	22.01	22.04	21.98	22.90
GPRS 3 Tx slots	26.21	26.39	26.28	27.20	21.95	22.13	22.02	22.94
GPRS 4 Tx slots	24.99	25.01	24.95	25.90	21.99	22.01	21.98	22.90
EDGE 1 Tx slot	25.01	24.93	25.07	26.00	16.01	15.93	16.07	17.00
EDGE 2 Tx slots	23.26	23.11	23.35	25.00	17.26	17.11	17.35	19.00
EDGE 3 Tx slots	21.98	21.95	22.03	23.50	17.72	17.69	17.77	19.24
EDGE 4 Tx slots	19.94	19.88	20.13	21.50	16.94	16.88	17.13	18.50

WCDMA V Ant1 DSI2 Simultaneous

Band	WCDMA V			Tune-up Limit (dBm)
TX Channel	4132	4182	4233	
Rx Channel	4357	4407	4458	
Frequency (MHz)	526.4	531.4	536.4	
3GPP Rel 99 AMR 12.2Kbps	21.19	21.30	21.25	22.40
3GPP Rel 99 RMC 12.2Kbps	21.28	21.37	21.32	22.40
3GPP Rel 6 HSDPA Subtest-1	20.40	20.32	20.17	22.40
3GPP Rel 6 HSDPA Subtest-2	20.35	20.39	20.25	22.40
3GPP Rel 6 HSDPA Subtest-3	19.86	19.88	19.97	21.90
3GPP Rel 6 HSDPA Subtest-4	19.70	19.85	19.92	21.90
3GPP Rel 8 DC-HSDPA Subtest-1	20.40	20.18	20.52	21.40
3GPP Rel 8 DC-HSDPA Subtest-2	20.28	20.38	20.24	21.40
3GPP Rel 8 DC-HSDPA Subtest-3	19.78	19.91	19.95	20.90
3GPP Rel 8 DC-HSDPA Subtest-4	19.76	19.69	20.06	20.90
3GPP Rel 6 HSUPA Subtest-1	20.51	20.42	20.57	21.40
3GPP Rel 6 HSUPA Subtest-2	18.29	18.43	18.53	19.40
3GPP Rel 6 HSUPA Subtest-3	19.39	19.46	19.46	20.40
3GPP Rel 6 HSUPA Subtest-4	18.35	18.37	18.43	19.40
3GPP Rel 6 HSUPA Subtest-5	20.20	20.30	20.47	21.40



Band 2 Ant1 DS12 Standalone

BW [MHz]	Modulation	RIS Size	RIS Offset	Power Max Ch / Freq	Power Min Ch / Freq	Power Max Ch / Freq	Turn-up Time (sec)	MFR (dB)		
Channel										
Frequency [MHz]										
20	QPSK	1	0	18.30	18.40	18.30	18	0		
20	QPSK	1	49	18.28	18.37	18.15				
20	QPSK	1	99	18.23	18.34	18.22				
20	QPSK	50	0	18.27	18.36	18.24				
20	QPSK	50	24	18.30	18.27	18.33	19	0		
20	QPSK	50	50	18.25	18.37	18.31				
20	QPSK	100	0	18.04	18.34	18.27				
20	QPSK	100	24	18.25	18.27	18.25				
20	16QAM	1	49	18.31	18.35	18.15	19	0		
20	16QAM	1	99	18.28	18.37	18.26				
20	16QAM	50	0	18.29	18.35	18.25				
20	16QAM	50	24	18.31	18.30	18.22				
20	16QAM	50	50	18.18	18.35	18.26	19	0		
20	16QAM	100	0	18.28	18.35	18.25				
20	16QAM	100	24	18.22	18.35	18.25				
20	16QAM	100	50	18.31	18.30	18.31				
20	64QAM	1	49	18.31	18.30	18.31	19	0		
20	64QAM	1	99	18.27	18.31	18.21				
20	64QAM	50	0	18.36	18.34	18.16				
20	64QAM	50	24	18.17	18.29	18.25				
20	64QAM	50	50	18.34	18.35	18.34	19	0		
20	64QAM	100	0	18.09	18.35	18.26				
20	64QAM	100	24	18.15	18.34	18.25				
20	64QAM	100	50	18.35	18.34	18.31				
20	256QAM	1	49	18.15	18.34	18.25	19	0		
20	256QAM	1	99	18.29	18.38	18.07				
20	256QAM	50	0	18.22	18.35	18.24				
20	256QAM	50	24	18.12	18.13	18.22				
20	256QAM	50	50	18.37	18.34	18.20	19	0		
20	256QAM	100	0	18.29	18.35	18.25				
20	256QAM	100	24	18.15	18.34	18.25				
20	256QAM	100	50	18.35	18.34	18.35				
Channel										
Frequency [MHz]										
15	QPSK	1	0	18.20	18.27	18.15	19	0		
15	QPSK	1	49	18.21	18.33	18.09				
15	QPSK	1	74	18.10	18.12	18.10				
15	QPSK	36	0	18.18	18.24	18.13				
15	QPSK	36	49	18.22	18.14	17.85	19	0		
15	QPSK	36	99	18.23	18.31	18.31				
15	QPSK	75	0	17.84	18.25	18.17				
15	16QAM	1	18	18.12	18.13	18.13				
15	16QAM	1	37	18.18	18.22	18.07	19	0		
15	16QAM	1	74	18.21	18.26	18.15				
15	16QAM	36	0	18.17	18.10	18.10				
15	16QAM	36	20	18.18	18.18	18.11				
15	16QAM	36	49	18.22	18.18	18.14	19	0		
15	16QAM	75	0	18.22	18.04	18.14				
15	64QAM	1	0	18.15	18.27	18.13				
15	64QAM	1	36	18.25	18.25	18.24				
15	64QAM	1	74	18.14	18.18	18.12	19	0		
15	64QAM	36	0	18.28	18.10	18.13				
15	64QAM	36	49	18.25	18.25	18.24				
15	64QAM	36	99	18.28	18.15	18.23				
15	64QAM	75	0	18.00	18.28	18.17	19	0		
15	64QAM	75	0	18.00	18.28	18.17				
15	256QAM	1	37	18.10	18.20	17.90				
15	256QAM	1	74	18.19	18.25	18.00				
15	256QAM	36	0	18.24	18.26	18.26	19	0		
15	256QAM	36	20	17.99	18.00	18.07				
15	256QAM	36	49	18.27	18.25	18.13				
15	256QAM	36	99	18.28	18.25	18.13				
Channel										
Frequency [MHz]										
10	QPSK	1	0	18.00	18.00	18.00	19	0		
10	QPSK	1	25	18.14	18.24	18.09				
10	QPSK	1	49	18.10	18.20	18.12				
10	QPSK	25	0	18.20	18.12	17.98				
10	QPSK	25	25	18.19	18.17	18.26	19	0		
10	QPSK	25	49	18.20	18.18	18.26				
10	16QAM	1	0	18.10	18.10	18.10				
10	16QAM	1	25	18.23	18.24	18.02				
10	16QAM	1	49	18.16	18.17	18.08	19	0		
10	16QAM	25	0	18.16	18.12	18.00				
10	16QAM	25	12	18.19	18.18	18.08				
10	16QAM	25	12	18.19	18.18	18.08				
10	16QAM	50	0	18.21	18.09	18.22	19	0		
10	16QAM	50	0	18.07	18.24	18.15				
10	64QAM	1	0	18.00	18.23	18.23				
10	64QAM	1	49	18.15	18.18	18.12				
10	64QAM	25	0	18.23	18.10	18.07	19	0		
10	64QAM	25	0	18.23	18.10	18.07				
10	64QAM	50	0	17.95	18.21	17.95				
10	64QAM	50	0	18.08	18.23	18.14				
10	256QAM	1	25	18.02	18.20	17.87	19	0		
10	256QAM	1	49	18.24	18.25	17.95				
10	256QAM	12	0	18.25	18.25	18.22				
10	256QAM	12	0	18.25	18.25	18.22				
10	256QAM	25	12	18.07	18.20	18.11	19	0		
10	256QAM	25	25	18.28	18.27	18.12				
10	256QAM	25	0	18.18	18.27	18.13				
10	256QAM	25	0	18.18	18.27	18.13				
Channel										
Frequency [MHz]										
5	QPSK	1	0	18.00	18.00	18.00	19	0		
5	QPSK	1	12	18.17	18.20	18.05				
5	QPSK	1	24	18.11	18.20	18.09				
5	QPSK	14	0	18.21	18.21	18.14				
5	QPSK	14	12	18.20	18.12	17.98	19	0		
5	QPSK	12	7	18.17	18.22	18.05				
5	QPSK	12	13	18.11	18.15	18.18				
5	QPSK	7	0	18.20	18.22	18.18				
5	16QAM	1	0	18.10	18.17	18.09	19	0		
5	16QAM	1	12	18.20	18.20	18.13				
5	16QAM	1	12	18.14	18.25	18.15				
5	16QAM	12	0	18.21	18.11	18.04				
5	16QAM	12	7	18.21	18.18	18.12	19	0		
5	16QAM	12	13	18.10	18.23	18.16				
5	16QAM	25	0	18.17	18.08	18.15				
5	16QAM	25	0	18.13	18.27	18.09				
5	64QAM	1	0	18.24	18.34	18.27	19	0		
5	64QAM	1	24	18.19	18.18	18.09				
5	64QAM	12	0	18.23	18.25	18.15				
5	64QAM	12	13	18.20	18.17	18.20				
5	64QAM	25	0	17.95	18.20	18.14	19	0		
5	64QAM	25	0	18.10	18.21	18.14				
5	256QAM	1	12	18.05	18.22	17.93				
5	256QAM	1	24	18.22	18.33	17.98				
5	256QAM	12	0	18.20	18.24	18.22	19	0		
5	256QAM	12	0	18.20	18.24	18.22				
5	256QAM	12	7	18.02	18.20	18.10				
5	256QAM	12	13	18.22	18.26	18.13				
5	256QAM	25	0	18.23	18.29	18.18	19	0		
5	256QAM	25	0	18.23	18.29	18.18				
5	256QAM	25	0	18.23	18.29	18.18				
5	256QAM	25	0	18.23	18.29	18.18				
Channel										
Frequency [MHz]										
3	QPSK	1	0	18.27	18.23	18.16	19	0		
3	QPSK	1	8	18.17	18.24	18.05				
3	QPSK	1	14	18.08	18.25	18.11				
3	QPSK	8	0	18.15	18.25	18.17				
3	QPSK	8	4	18.23	18.18	17.86	19	0		
3	QPSK	8	7	18.17	18.24	18.26				
3	QPSK	1	17	17.95	18.21	18.21				
3	16QAM	1	0	18.11	18.20	18.18				
3	16QAM	1	8	18.25	18.24	18.10	19	0		
3	16QAM	1	16	18.19	18.28	18.13				
3	16QAM	8	0	18.17	18.10	18.07				
3	16QAM	8	4	18.17	18.10	18.16				
3	16QAM	1	0	18.13	18.24	18.19	19	0		
3	16QAM	15	0	18.16	17.99	18.21				
3	16QAM	1	0	18.09	18.20	18.14				
3	16QAM	1	16	18.21	18.31	18.28				
3	64QAM	1	14	18.18	18.21	18.08	19	0		
3	64QAM	1	7	18.25	18.25	18.15				
3	64QAM	8	4	18.11	18.22	18.11				
3	64QAM	8	7	18.25	18.22	18.15				
3	64QAM	15	0	18.00	18.22	18.23	19	0		
3	256QAM	1	0	18.13	18.34	18.16				
3	256QAM	1	14	18.07	18.26	18.17				
3	256QAM	1	14	18.20	18.30	17.94				
3	256QAM	8	0	18.11	18.20	18.19	19	0		
3	256QAM	8	0	18.11	18.20	18.19				
3	256QAM	8	7	18.08	18.28	18.14				
3	256QAM	8	7	18.28	18.26	18.14				
3	256QAM	15	0	18.21	18.30	18.13	19	0		
3	256QAM	15	0	18.21	18.30	18.13				
3	256QAM	15	0	18.21	18.30	18.13				
3	256QAM	15	0	18.21	18.30	18.13				
Channel										
Frequency [MHz]										
1.4	QPSK	1	0	18.23	18.28	18.20	19	0		
1.4	QPSK	1	8	18.20	18.29	18.20				
1.4	QPSK	1	14	18.08	18.25	18.14				
1.4	QPSK	3	0	18.19	18.26	18.16				
1.4	QPSK	3	3	18.21	18.24	18.17	19	0		
1.4	QPSK	3	10	18.19	18.23	18.25				
1.4	QPSK	6	0	17.85	18.28	18.15				
1.4	16QAM	1	0	18.13	18.23	18.14				
1.4	16QAM	1	3	18.24	18.23	18.01	19	0		
1.4	16QAM	1	5	18.18	18.23	18.20				
1.4	16QAM	3	0	18.11	18.22	18.13				
1.4	16QAM	3	3	18.20	18.20	18.20				
1.4	16QAM	1	0	18.04	18.27	18.15	19	0		
1.4	16QAM	1	3	18.25	18.24	18.15				
1.4	16QAM	3	0	18.24	18.14	18.12				
1.4	16QAM	3	3	18.26	18.26	18.14				
1.4	64QAM	1	0	18.08	18.30	17.99	19	0		
1.4	64QAM	1	3	18.04	18.18	17.89				
1.4	64QAM	3	0	18.17	18.23	18.20				
1.4	64QAM	3	3	18.26	18.26	18.10				
1.4	256QAM	1	0	18.18	18.30	18.17	19	0		
1.4	256QAM	1	3	18.26	18.26	18.10				
1.4	256QAM	1	3	18.26	18.26	18.10				
1.4	256QAM	1	3	18.26	18.26	18.10				
1.4	256QAM	1	3	18.26	18.26	18.10				
1.4	256QAM	1	3	18.26	18.26	18.10				



Band 12 Ant1 DS12 Standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Turn-up Int. (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	24.22	24.41	24.29	25	0	
10	QPSK	1	25	24.33	24.38	24.33			
10	QPSK	1	49	24.29	24.31	24.27			
10	QPSK	25	0	24.27	24.40	24.31			
10	QPSK	25	12	24.38	24.32	24.35	25	0	
10	QPSK	25	25	24.37	24.21	24.32			
10	QPSK	50	0	24.30	24.33	24.30			
10	16QAM	1	0	24.21	24.23	24.27			
10	16QAM	1	25	24.33	24.28	24.32	25	0	
10	16QAM	1	49	24.32	24.32	24.30			
10	16QAM	25	0	23.89	23.85	23.87			
10	16QAM	25	12	23.70	23.87	23.73			
10	16QAM	25	25	23.89	23.74	23.73	25	0	
10	16QAM	50	0	23.85	23.81	23.83			
10	64QAM	1	25	24.27	24.21	24.26			
10	64QAM	49	24	24.29	24.25	24.28	25	0	
10	64QAM	25	0	23.77	23.80	23.83			
10	64QAM	25	12	23.89	23.86	23.87			
10	64QAM	25	25	23.90	23.82	23.91			
10	64QAM	50	0	23.87	23.81	23.83	25	0	
10	256QAM	1	25	20.70	20.73	20.65			
10	256QAM	1	49	20.55	20.71	20.60			
10	256QAM	25	0	20.80	20.69	20.69	21	4	
10	256QAM	25	12	20.71	20.53	20.57			
10	256QAM	25	25	20.71	20.53	20.57			
10	256QAM	50	0	20.59	20.60	20.69			
10	256QAM	50	25	20.59	20.60	20.69			
10	256QAM	50	50	20.59	20.60	20.69			
Channel									
Frequency (MHz)									
5	QPSK	1	0	24.09	24.22	24.10	25	0	
5	QPSK	1	12	24.11	24.15	24.09			
5	QPSK	1	24	24.24	24.24	24.24			
5	QPSK	12	0	24.12	24.34	24.24			
5	QPSK	12	7	24.23	24.27	24.25	25	0	
5	QPSK	12	13	24.25	24.11	24.12			
5	QPSK	25	0	24.10	24.28	24.26			
5	16QAM	1	0	24.05	24.07	24.13			
5	16QAM	1	12	24.15	24.22	24.28	25	0	
5	16QAM	1	25	23.90	23.89	23.93			
5	16QAM	12	0	23.50	23.39	23.43			
5	16QAM	12	7	23.64	23.50	23.54			
5	16QAM	12	13	23.64	23.59	23.54	25	0	
5	64QAM	25	0	23.43	23.39	23.43			
5	64QAM	1	0	23.87	24.00	24.15			
5	64QAM	1	24	24.17	24.02	24.03			
5	64QAM	12	0	23.82	23.54	23.73	25	0	
5	64QAM	12	7	23.84	23.78	23.65			
5	64QAM	12	13	23.82	23.57	23.55			
5	64QAM	25	0	23.70	23.59	23.62			
5	256QAM	1	0	20.62	20.65	20.66	21	4	
5	256QAM	1	12	20.71	20.50	20.57			
5	256QAM	1	24	20.65	20.71	20.57			
5	256QAM	12	0	20.80	20.62	20.65			
5	256QAM	12	7	20.68	20.51	20.54			
5	256QAM	12	13	20.78	20.52	20.55			
Channel									
Frequency (MHz)									
3	QPSK	1	0	24.12	24.21	24.17	25	0	
3	QPSK	1	8	24.11	24.25	24.07			
3	QPSK	1	14	24.05	24.20	24.08			
3	QPSK	8	0	24.01	24.27	24.06			
3	QPSK	8	7	24.23	24.00	24.24	25	0	
3	QPSK	8	7	24.23	24.01	24.26			
3	16QAM	1	0	24.10	24.23	24.16			
3	16QAM	1	0	24.04	24.04	24.11			
3	16QAM	1	8	24.10	24.04	24.11	25	0	
3	16QAM	1	8	24.15	24.23	24.05			
3	16QAM	8	0	23.44	23.43	23.59			
3	16QAM	8	4	23.61	23.43	23.43			
3	16QAM	15	0	23.61	23.39	23.36	25	0	
3	16QAM	15	7	23.61	23.62	23.47			
3	64QAM	1	0	23.81	23.39	23.36			
3	64QAM	1	0	23.99	24.00	24.30			
3	64QAM	1	8	24.02	24.02	24.17	25	0	
3	64QAM	1	14	24.23	23.94	24.15			
3	64QAM	8	0	23.74	23.73	23.78			
3	64QAM	8	4	23.83	23.81	23.84			
3	64QAM	8	7	23.70	23.70	23.70	25	0	
3	64QAM	15	0	23.75	23.61	23.71			
3	256QAM	1	0	20.50	20.73	20.57			
3	256QAM	1	8	20.67	20.79	20.70			
3	256QAM	1	14	20.47	20.55	20.53	21	4	
3	256QAM	8	0	20.46	20.50	20.52			
3	256QAM	8	4	20.60	20.70	20.65			
3	256QAM	8	7	20.61	20.63	20.66			
3	256QAM	15	0	20.52	20.73	20.55			
3	256QAM	15	7	20.52	20.73	20.55			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	24.26	24.20	24.34	25	0	
1.4	QPSK	1	3	24.26	24.36	24.34			
1.4	QPSK	1	5	24.21	24.26	24.27			
1.4	QPSK	3	0	24.31	24.33	24.36			
1.4	QPSK	3	1	24.32	24.30	24.37	25	0	
1.4	QPSK	3	3	24.27	24.29	24.36			
1.4	QPSK	6	0	24.30	24.27	24.37			
1.4	16QAM	1	0	24.31	24.32	24.40			
1.4	16QAM	1	3	24.31	24.34	24.36	25	0	
1.4	16QAM	1	5	24.22	24.31	24.34			
1.4	16QAM	3	0	24.08	24.17	24.17			
1.4	16QAM	3	1	24.05	24.10	24.18			
1.4	16QAM	3	3	24.05	24.14	24.26	25	0	
1.4	16QAM	6	0	23.73	23.69	23.79			
1.4	64QAM	1	0	24.20	24.33	24.26			
1.4	64QAM	1	3	24.26	24.38	24.28			
1.4	64QAM	1	5	24.11	24.24	24.27	25	0	
1.4	64QAM	3	0	24.24	24.11	24.31			
1.4	64QAM	3	1	24.19	24.28	24.29			
1.4	64QAM	3	3	24.13	24.21	24.26			
1.4	64QAM	6	0	23.82	23.79	23.86	25	0	
1.4	256QAM	1	0	20.45	20.65	20.47			
1.4	256QAM	1	3	20.60	20.71	20.72			
1.4	256QAM	1	5	20.69	20.64	20.54			
1.4	256QAM	3	0	20.64	20.71	20.80	21	4	
1.4	256QAM	3	1	20.75	20.51	20.69			
1.4	256QAM	3	3	20.76	20.43	20.62			
1.4	256QAM	6	0	20.64	20.77	20.58			

Band 13 Ant1 DS12 Standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Turn-up Int. (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0		22.89		24	0	
10	QPSK	1	25		22.79				
10	QPSK	1	49		22.81				
10	QPSK	25	0		22.85				
10	QPSK	25	12		22.13		24	0	
10	QPSK	25	25		22.13				
10	QPSK	50	0		22.46				
10	16QAM	1	0		22.12				
10	16QAM	1	25		22.22		24	0	
10	16QAM	1	49		22.10				
10	16QAM	25	0		21.94		23	1	
10	16QAM	25	12		21.88				
10	16QAM	50	0		21.68				
10	16QAM	50	25		21.68				
10	64QAM	1	0		21.98		24	0	
10	64QAM	1	25		22.35				
10	64QAM	1	49		22.28				
10	64QAM	25	0		21.95				
10	64QAM	25	12		21.21		23	1	
10	64QAM	25	25		21.67				
10	64QAM	50	0		21.69				
10	256QAM	1	0		18.85				
10	256QAM	1	25		18.79		19	5	
10	256QAM	1	49		18.94				
10	256QAM	25	0		18.50		19	5	
10	256QAM	25	12		18.50				
10	256QAM	50	0		18.87				
10	256QAM	50	25		18.43				
Channel				270.55	78.52	784.5	Turn-up Int. (dB)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	0		22.64	23.43	24	0	
5	QPSK	1	12		22.26	22.88			
5	QPSK	1	24		21.78	22.73			
5	QPSK	12	0		22.40	22.45			
5	QPSK	12	7		22.43	22.22	24	0	
5	QPSK	12	14		21.60	22.35			
5	QPSK	25	0		22.56	22.17			
5	16QAM	1	0		22.33	22.62			
5	16QAM	1	12		22.36	22.54	23	1	
5	16QAM	1	24		22.31	22.51			
5	16QAM	12	0		21.39	21.42			
5	16QAM	12	7		21.38	21.39			
5	16QAM	12	14		21.62	21.63	23	1	
5	16QAM	25	0		21.38	21.20			
5	16QAM	25	12		21.45	21.45			
5	64QAM	1	12		22.57	22.28			
5	64QAM	1	24		22.56	22.68	23	1	
5	64QAM	12	7		22.53	22.45			
5	64QAM	12	7		22.37	22.35			
5	256QAM	12	7		22.48	22.37			
5	256QAM	12	14		22.41	22.19	23	1	
5	256QAM	1	0		18.84	18.68			
5	256QAM	1	12		18.80	18.62			
5	256QAM	1	24		18.84	18.67			
5	256QAM	12	14		18.89	18.66	19	5	
5	256QAM	12	7		18.70	18.67			
5	256QAM	12	14		18.50	18.50			
5	256QAM	25	0		18.61	18.47			

Band 25 Ant1 DS12 Standalone														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up time (sec)	MFR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	18.22	18.40	18.20	19.7	0						
20	QPSK	1	49	18.11	18.24	18.20								
20	QPSK	1	99	18.22	18.21	18.12								
20	QPSK	50	0	18.23	18.40	18.24								
20	QPSK	50	24	18.10	18.24	18.15	19.7	0						
20	QPSK	50	50	18.17	18.27	18.19								
20	QPSK	100	0	18.01	18.35	18.17								
20	16QAM	100	0	18.10	18.12	18.17								
20	16QAM	1	49	18.25	18.30	18.05	19.7	0						
20	16QAM	1	99	18.13	18.15	18.03								
20	16QAM	50	0	18.06	18.00	18.10								
20	16QAM	50	24	17.99	18.18	18.01								
20	16QAM	50	50	18.11	18.06	18.24	19.7	0						
20	16QAM	100	0	18.16	18.30	18.19								
20	256QAM	1	0	18.05	18.10	18.23								
20	256QAM	1	49	18.09	18.13	18.00								
20	256QAM	1	99	18.07	18.11	18.07	19.7	0						
20	256QAM	50	0	18.12	18.05	18.07								
20	256QAM	50	24	18.15	18.08	18.07								
20	256QAM	50	50	18.26	18.32	18.29								
20	256QAM	100	0	18.22	18.27	18.22								
Channel														
Frequency (MHz)														
18	QPSK	1	0	18.16	18.35	18.07	19.7	0						
18	QPSK	1	37	18.19	18.18	18.06								
18	QPSK	1	74	18.10	18.10	18.01								
18	QPSK	36	0	18.15	18.25	18.13								
18	QPSK	25	0	17.95	17.94	18.10	19.7	0						
18	QPSK	36	39	18.08	18.16	18.06								
18	QPSK	75	0	17.97	18.29	18.03								
18	16QAM	1	0	17.95	18.07	18.05								
18	16QAM	1	37	18.17	18.24	17.94	19.7	0						
18	16QAM	1	74	17.99	18.05	18.03								
18	16QAM	36	0	17.97	17.93	17.98								
18	16QAM	36	20	17.97	17.87	18.07								
18	16QAM	36	20	17.83	18.08	18.16	19.7	0						
18	16QAM	50	0	17.88	17.78	17.96								
18	64QAM	1	0	17.85	18.18	18.10								
18	64QAM	1	37	18.03	18.06	18.04								
18	64QAM	1	74	18.06	17.92	17.82	19.7	0						
18	64QAM	36	0	18.14	18.01	17.83								
18	64QAM	36	20	17.86	18.06	18.04								
18	64QAM	36	39	18.02	17.97	18.17								
18	64QAM	75	0	18.04	18.18	18.06	19.7	0						
18	256QAM	1	0	17.96	18.05	18.02								
18	256QAM	1	37	18.03	18.07	17.81								
18	256QAM	1	74	17.97	17.99	17.98								
18	256QAM	36	0	18.05	18.03	18.02	19.7	0						
18	256QAM	36	20	18.08	17.95	18.02								
18	256QAM	36	39	18.11	18.24	18.22								
18	256QAM	75	0	18.08	18.03	18.17								
Channel														
Frequency (MHz)														
10	QPSK	1	0	18.12	18.39	18.09	19.7	0						
10	QPSK	1	25	18.17	18.17	18.12								
10	QPSK	1	49	18.14	18.16	18.04								
10	QPSK	25	0	18.13	18.15	18.07								
10	QPSK	25	12	18.01	17.94	18.06	19.7	0						
10	QPSK	25	25	18.09	18.18	18.11								
10	QPSK	50	0	17.96	18.03	18.03								
10	16QAM	1	0	17.97	17.97	18.09								
10	16QAM	1	25	18.12	18.16	17.90	19.7	0						
10	16QAM	1	49	18.06	18.07	18.06								
10	16QAM	25	0	17.96	17.91	18.03								
10	16QAM	25	12	17.98	17.87	17.99								
10	16QAM	36	0	17.83	18.08	18.16	19.7	0						
10	16QAM	50	0	17.85	17.80	17.94								
10	64QAM	1	0	17.80	18.17	18.08								
10	64QAM	1	24	18.02	18.21	18.05								
10	64QAM	1	49	18.06	17.93	17.84	19.7	0						
10	64QAM	25	0	18.17	18.01	17.88								
10	64QAM	25	12	17.91	17.96	17.95								
10	64QAM	25	25	18.01	17.96	18.17								
10	64QAM	50	0	18.05	18.16	18.11	19.7	0						
10	256QAM	1	0	17.95	18.08	18.14								
10	256QAM	1	25	17.97	18.08	17.85								
10	256QAM	1	49	17.85	17.97	18.00								
10	256QAM	25	0	17.90	18.07	18.07	19.7	0						
10	256QAM	25	12	18.05	17.94	18.06								
10	256QAM	25	25	18.20	18.25	18.17								
10	256QAM	50	0	18.13	17.99	18.13								
Channel														
Frequency (MHz)														
5	QPSK	1	0	18.14	18.33	18.09	19.7	0						
5	QPSK	1	12	18.18	18.15	18.09								
5	QPSK	1	24	18.10	18.08	18.02								
5	QPSK	12	0	18.15	18.27	18.14								
5	QPSK	12	7	18.01	17.91	18.04	19.7	0						
5	QPSK	12	13	18.09	18.16	18.14								
5	QPSK	25	0	17.84	18.20	18.08								
5	16QAM	1	0	18.02	18.04	18.11								
5	16QAM	1	12	18.14	18.18	17.91	19.7	0						
5	16QAM	1	24	18.04	18.06	17.94								
5	16QAM	12	0	17.98	17.92	18.01								
5	16QAM	12	7	17.97	17.88	18.08								
5	16QAM	12	13	17.77	18.02	18.10	19.7	0						
5	16QAM	25	0	17.84	17.78	17.90								
5	64QAM	1	0	17.88	18.14	18.11								
5	64QAM	1	12	17.98	18.22	17.86								
5	64QAM	1	24	18.09	17.95	17.86	19.7	0						
5	64QAM	12	0	18.20	18.06	17.83								
5	64QAM	12	7	17.89	18.01	17.94								
5	64QAM	12	13	17.97	17.90	18.12								
5	64QAM	25	0	18.04	18.24	18.10	19.7	0						
5	256QAM	1	0	17.98	18.05	18.09								
5	256QAM	1	12	18.03	18.01	17.84								
5	256QAM	1	24	17.95	17.99	17.93	19.7	0						
5	256QAM	12	0	17.88	18.13	18.09								
5	256QAM	12	7	17.86	18.17	18.05								
5	256QAM	12	13	18.12	18.24	18.22								
5	256QAM	25	0	18.08	18.02	18.14	19.7	0						
Channel														
Frequency (MHz)														
3	QPSK	1	0	18.15	18.35	18.09			19.7	0				
3	QPSK	1	12	18.13	18.37	18.07								
3	QPSK	1	24	18.10	18.31	18.04								
3	QPSK	1	14	18.09	18.12	18.12								
3	QPSK	8	0	18.15	18.30	18.14	19.7	0						
3	QPSK	8	13	18.02	18.05	18.12								
3	QPSK	8	7	18.03	18.22	18.12								
3	QPSK	15	0	17.91	18.29	18.12								
3	QPSK	15	7	17.96	18.06	18.08	19.7	0						
3	16QAM	1	8	18.12	18.22	17.91								
3	16QAM	1	14	17.99	18.07	17.96								
3	16QAM	1	15	17.97	17.93	18.03								
3	16QAM	8	7	17.77	18.02	18.09	19.7	0						
3	16QAM	8	7	17.86	17.93	17.91								
3	16QAM	1	0	17.87	18.11	18.11								
3	16QAM	1	8	17.97	18.21	18.14								
3	16QAM	1	8	17.90	17.98	18.03	19.7	0						
3	16QAM	8	0	18.12	18.10	17.83								
3	16QAM	8	4	17.91	18.03	17.93								
3	16QAM	8	7	17.98	17.97	18.07								
3	16QAM	15	0	18.02	18.18	18.05	19.7	0						
3	256QAM	1	0	17.94	18.03	18.07								
3	256QAM	1	8	17.98	18.02	17.92								
3	256QAM	1	14	17.97	18.02	17.99								
3	256QAM	8	0	18.14	18.07	18.14	19.7	0						
3	256QAM	8	8	18.04	17.98	17.94								
3	256QAM	8	7	18.18	18.20	18.23								
3	256QAM	15	0	18.06	18.16	18.12								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	18.07	18.35	18.07	19.7	0						
1.4	QPSK	1	3	18.16	18.17	18.14								
1.4	QPSK	1	5	18.13	18.13	18.01								
1.4	QPSK	1	10	18.08	18.08	18.00								
1.4	QPSK	3	0	18.01	17.98	18.05	19.7	0						
1.4	QPSK	3	3	18.06	18.16	18.08								
1.4	QPSK	1	0	17.99	18.05	18.05								
1.4	16QAM	1	3	18.06	18.16	17.89								
1.4	16QAM	3	0	17.98	18.08	17.98	19.7	0						
1.4	16QAM	3	3	17.97	17.91	18.13								
1.4	16QAM	6	0	18.06	18.18	18.07								
1.4	16QAM	6	3	17.92	17.95	18.07								
1.4	16QAM	6	0	17.84	18.04	18.17	19.7	0						
1.4	16QAM	6	0	17.93	17.79	17.91								
1.4	16QAM	1	0	17.83	18.15	18.08								
1.4	16QAM	1	3	17.98	18.23	17.98								
1.4	16QAM	3	0	18.12	17.96	17.88	19.7	0						
1.4	16QAM	3	0	18.20	18.04	17.86								
1.4	16QAM	3	3	17.97	17.99	18.07								
1.4	16QAM	6	0	18.06	18.18	18.07								
1.4	256QAM	1	0	17.97	18.07	18.01	19.7	0						
1.4	256QAM	1	3	18.02	17.96	17.99								
1.4	256QAM	1	6	18.07	18.01	18.07								
1.4	256QAM	1	9	18.07	18.01	17.96								
1.4	256QAM	3	0	18.13	18.02	18.09	19.7	0						



Band 66 Ant1 DS12 Standalone												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Turn-up (mW)	MPR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	16.61	16.62	16.76	17.7	0				
20	QPSK	1	49	16.78	16.79	16.86						
20	QPSK	1	99	16.49	16.51	16.87						
20	QPSK	50	0	16.71	16.77	16.86						
20	QPSK	50	24	16.54	16.45	16.84	17.7	0				
20	QPSK	50	50	16.46	16.60	16.48						
20	QPSK	100	0	16.70	16.73	16.86						
20	16QAM	1	0	16.49	16.46	16.51						
20	16QAM	1	49	16.50	16.50	16.41	17.7	0				
20	16QAM	1	99	16.43	16.46	16.50						
20	16QAM	50	0	16.70	16.73	16.86						
20	16QAM	50	24	16.50	16.51	16.71						
20	16QAM	50	50	16.67	16.66	16.76	17.7	0				
20	16QAM	100	0	16.42	16.39	16.38						
20	64QAM	1	0	16.56	16.70	16.46						
20	64QAM	1	49	16.62	16.66	16.45						
20	64QAM	1	99	16.67	16.50	16.80	17.7	0				
20	64QAM	50	0	16.50	16.57	16.42						
20	64QAM	50	24	16.64	16.56	16.51						
20	64QAM	50	50	16.42	16.54	16.50						
20	64QAM	100	0	16.56	16.73	16.57	17.7	0				
20	256QAM	1	0	16.52	16.57	16.46						
20	256QAM	1	49	16.64	16.53	16.35						
20	256QAM	1	99	16.57	16.53	16.37						
20	256QAM	50	0	16.41	16.55	16.48	17.7	0				
20	256QAM	50	24	16.66	16.49	16.48						
20	256QAM	50	50	16.50	16.73	16.65						
20	256QAM	100	0	16.73	16.72	16.62						
Channel												
Frequency (MHz)												
15	QPSK	1	0	16.55	16.60	16.86	17.7	0				
15	QPSK	1	37	16.69	16.60	16.41						
15	QPSK	1	74	16.39	16.42	16.61						
15	QPSK	36	0	16.58	16.72	16.52						
15	QPSK	36	20	16.40	16.36	16.30	17.7	0				
15	QPSK	36	39	16.38	16.53	16.36						
15	QPSK	75	0	16.41	16.63	16.46						
15	16QAM	1	1	16.41	16.37	16.36						
15	16QAM	1	37	16.54	16.42	16.27	17.7	0				
15	16QAM	1	74	16.34	16.44	16.46						
15	16QAM	36	0	16.61	16.62	16.52						
15	16QAM	36	20	16.43	16.47	16.65						
15	16QAM	75	0	16.35	16.20	16.30	17.7	0				
15	64QAM	1	0	16.50	16.61	16.34						
15	64QAM	1	37	16.54	16.55	16.34						
15	64QAM	1	74	16.55	16.43	16.54						
15	64QAM	36	0	16.54	16.60	16.31	17.7	0				
15	64QAM	36	20	16.50	16.46	16.36						
15	64QAM	36	39	16.31	16.41	16.54						
15	64QAM	75	0	16.42	16.60	16.46						
15	256QAM	1	0	16.51	16.52	16.41	17.7	0				
15	256QAM	1	37	16.52	16.46	16.29						
15	256QAM	1	74	16.50	16.38	16.27						
15	256QAM	36	0	16.34	16.54	16.41						
15	256QAM	36	20	16.58	16.39	16.34	17.7	0				
15	256QAM	36	39	16.44	16.65	16.55						
15	256QAM	75	0	16.57	16.46	16.57						
Channel												
Frequency (MHz)												
10	QPSK	1	0	16.75	16.80	16.87	17.7	0				
10	QPSK	1	25	16.65	16.51	16.36						
10	QPSK	1	49	16.39	16.41	16.62						
10	QPSK	25	0	16.60	16.72	16.52						
10	QPSK	25	13	16.43	16.42	16.39	17.7	0				
10	QPSK	25	25	16.32	16.52	16.40						
10	QPSK	50	0	16.62	16.67	16.44						
10	16QAM	1	0	16.40	16.34	16.42						
10	16QAM	1	25	16.53	16.49	16.36	17.7	0				
10	16QAM	1	49	16.35	16.42	16.36						
10	16QAM	25	0	16.62	16.60	16.59						
10	16QAM	25	12	16.41	16.56	16.56						
10	16QAM	50	0	16.41	16.56	16.62	17.7	0				
10	16QAM	50	25	16.33	16.23	16.24						
10	64QAM	1	0	16.48	16.63	16.35						
10	64QAM	1	25	16.43	16.50	16.36						
10	64QAM	1	49	16.60	16.49	16.47	17.7	0				
10	64QAM	25	0	16.46	16.57	16.31						
10	64QAM	25	12	16.58	16.43	16.16						
10	64QAM	25	25	16.35	16.44	16.52						
10	64QAM	50	0	16.46	16.65	16.49	17.7	0				
10	256QAM	1	0	16.44	16.39	16.43						
10	256QAM	1	25	16.53	16.40	16.25						
10	256QAM	1	49	16.32	16.53	16.51						
10	256QAM	25	0	16.50	16.37	16.34	17.7	0				
10	256QAM	25	12	16.58	16.37	16.34						
10	256QAM	25	25	16.50	16.62	16.59						
10	256QAM	50	0	16.65	16.42	16.52						
Channel												
Frequency (MHz)												
5	QPSK	1	0	16.47	16.52	16.48	17.7	0				
5	QPSK	1	12	16.66	16.50	16.32						
5	QPSK	1	24	16.42	16.44	16.61						
5	QPSK	12	0	16.66	16.63	16.60						
5	QPSK	12	7	16.47	16.59	16.31	17.7	0				
5	QPSK	12	13	16.34	16.57	16.33						
5	QPSK	25	0	16.43	16.62	16.56						
5	16QAM	1	0	16.38	16.34	16.43						
5	16QAM	1	12	16.48	16.47	16.36	17.7	0				
5	16QAM	1	24	16.29	16.45	16.45						
5	16QAM	12	0	16.65	16.63	16.51						
5	16QAM	12	7	16.36	16.47	16.58						
5	16QAM	12	13	16.53	16.39	16.54	17.7	0				
5	16QAM	25	0	16.28	16.22	16.29						
5	64QAM	1	0	16.43	16.65	16.38						
5	64QAM	1	12	16.55	16.46	16.32						
5	64QAM	1	24	16.54	16.42	16.49	17.7	0				
5	64QAM	12	0	16.51	16.54	16.31						
5	64QAM	12	7	16.55	16.62	16.27						
5	64QAM	12	13	16.34	16.49	16.51						
5	64QAM	25	0	16.46	16.60	16.46	17.7	0				
5	256QAM	1	0	16.24	16.46	16.35						
5	256QAM	1	12	16.51	16.40	16.20						
5	256QAM	1	24	16.49	16.47	16.31						
5	256QAM	12	0	16.36	16.51	16.56	17.7	0				
5	256QAM	12	7	16.51	16.36	16.34						
5	256QAM	12	13	16.41	16.36	16.59						
5	256QAM	25	0	16.60	16.45	16.54						
Channel												
Frequency (MHz)												
3	QPSK	1	0	16.59	16.61	16.54	17.7	0				
3	QPSK	1	8	16.68	16.54	16.35						
3	QPSK	1	14	16.40	16.46	16.59						
3	QPSK	8	0	16.57	16.69	16.57						
3	QPSK	8	4	16.40	16.39	16.36	17.7	0				
3	QPSK	8	7	16.40	16.57	16.38						
3	QPSK	15	0	16.56	16.60	16.52						
3	16QAM	1	0	16.41	16.39	16.42						
3	16QAM	1	8	16.49	16.46	16.28	17.7	0				
3	16QAM	1	14	16.29	16.45	16.45						
3	16QAM	8	0	16.55	16.60	16.41						
3	16QAM	8	4	16.38	16.50	16.54						
3	16QAM	8	7	16.50	16.59	16.54	17.7	0				
3	16QAM	15	0	16.43	16.20	16.29						
3	16QAM	15	8	16.42	16.60	16.41						
3	16QAM	15	14	16.29	16.52	16.34						
3	16QAM	24	0	16.46	16.48	16.48	17.7	0				
3	16QAM	24	8	16.50	16.62	16.27						
3	16QAM	24	14	16.48	16.46	16.16						
3	16QAM	24	24	16.49	16.48	16.16						
3	16QAM	16	0	16.42	16.64	16.46	17.7	0				
3	16QAM	16	8	16.46	16.48	16.16						
3	16QAM	16	14	16.45	16.46	16.16						
3	16QAM	16	24	16.45	16.46	16.16						
3	16QAM	1	0	16.50	16.56	16.23	17.7	0				
3	16QAM	1	8	16.51	16.59	16.23						
3	16QAM	1	14	16.51	16.59	16.23						
3	16QAM	1	24	16.51	16.59	16.23						
3	16QAM	1	0	16.48	16.41	16.27	17.7	0				
3	16QAM	1	8	16.25	16.38	16.34						
3	16QAM	1	14	16.40	16.34	16.36						
3	16QAM	1	24	16.40	16.34	16.36						
3	16QAM	1	0	16.50	16.38	16.36	17.7	0				
3	16QAM	1	8	16.50	16.38	16.36						
3	16QAM	1	14	16.50	16.38	16.36						
3	16QAM	1	24	16.50	16.38	16.36						



Band 2 Ant1 DS12 Simultaneous

BW [MHz]	Modulation	RB Size	RB Offset	Power Min [Ch / Freq]	Power Max [Ch / Freq]	Power Avg [Ch / Freq]	Turn-up Time (sec)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	17.36	17.42	17.39	18.4	0		
20	QPSK	1	49	17.28	17.23	17.27				
20	QPSK	1	99	17.33	17.34	17.33				
20	QPSK	50	0	17.14	17.37	17.31				
20	QPSK	50	24	17.10	17.17	17.14	18.4	0		
20	QPSK	50	50	17.26	17.28	17.22				
20	QPSK	100	0	17.32	17.34	17.34				
20	QPSK	100	50	17.10	17.12	17.18				
20	16QAM	1	49	17.37	17.38	17.15	18.4	0		
20	16QAM	1	99	17.12	17.39	17.22				
20	16QAM	50	0	17.21	17.23	17.03				
20	16QAM	50	24	17.33	17.23	17.19				
20	16QAM	50	50	17.18	17.27	17.24	18.4	0		
20	16QAM	100	0	17.22	17.20	17.31				
20	16QAM	1	0	17.16	17.36	17.10				
20	16QAM	1	49	17.29	17.36	17.36		18.4	0	
20	16QAM	1	99	17.32	17.13	17.15				
20	16QAM	50	0	17.35	17.29	17.09				
20	16QAM	50	24	17.19	17.28	17.17				
20	16QAM	50	50	17.22	17.20	17.31	18.4	0		
20	16QAM	100	0	17.13	17.32	17.24				
20	256QAM	1	49	17.15	17.29	17.24				
20	256QAM	1	99	17.32	17.18	17.10				
20	256QAM	50	0	17.28	17.26	17.33	18.4	0		
20	256QAM	50	24	17.15	17.24	17.22				
20	256QAM	50	50	17.28	17.15	17.36				
20	256QAM	100	0	17.20	17.28	17.30				
Channel										
Frequency (MHz)										
15	QPSK	1	0	18.07	18.00	18.05	18.4	0		
15	QPSK	1	49	17.28	17.27	17.18				
15	QPSK	1	99	17.18	17.17	17.17				
15	QPSK	1	74	17.18	17.16	17.09		18.4	0	
15	QPSK	36	0	17.08	17.24	17.22				
15	QPSK	36	39	17.01	17.06	17.00				
15	QPSK	36	39	17.17	17.16	17.07				
15	16QAM	1	0	17.02	17.08	17.12	18.4	0		
15	16QAM	1	37	17.22	17.25	17.04				
15	16QAM	36	0	17.20	17.06	17.06				
15	16QAM	36	20	17.20	17.12	17.12				
15	16QAM	36	74	17.13	17.13	16.93	18.4	0		
15	16QAM	36	20	17.20	17.12	17.12				
15	16QAM	75	0	17.04	17.32	16.97				
15	16QAM	1	0	17.04	17.12	17.20		18.4	0	
15	16QAM	1	74	17.18	17.04	17.09				
15	16QAM	36	0	17.27	17.24	16.96				
15	16QAM	36	74	17.09	17.05	16.95				
15	16QAM	36	39	17.05	16.97	17.23	18.4	0		
15	16QAM	75	0	16.99	17.22	17.12				
15	16QAM	75	0	17.11	17.26	17.08				
15	256QAM	1	37	17.04	17.11	17.13				
15	256QAM	1	74	17.27	17.05	16.99	18.4	0		
15	256QAM	36	0	17.02	17.06	17.26				
15	256QAM	36	20	17.09	17.15	17.12				
15	256QAM	36	39	17.19	17.06	17.12		18.4	0	
15	256QAM	36	74	17.05	17.06	17.05				
Channel										
Frequency (MHz)										
10	QPSK	1	0	18.05	18.00	18.05			18.4	0
10	QPSK	1	25	17.13	17.15	17.17				
10	QPSK	1	49	17.19	17.10	17.09				
10	QPSK	25	13	17.02	17.07	17.06	18.4	0		
10	QPSK	25	25	17.18	17.15	17.11				
10	QPSK	25	49	17.09	17.08	17.13				
10	QPSK	25	74	16.96	17.10	17.01				
10	16QAM	1	0	16.96	16.99	17.13	18.4	0		
10	16QAM	1	25	17.27	17.24	17.04				
10	16QAM	25	0	17.13	17.11	16.93				
10	16QAM	25	13	17.27	17.17	17.04		18.4	0	
10	16QAM	25	25	17.04	17.20	17.14				
10	16QAM	50	0	17.02	17.09	17.18				
10	16QAM	50	1	17.16	17.24	17.04		18.4	0	
10	16QAM	1	49	17.26	17.08	17.10				
10	16QAM	25	0	17.21	17.15	17.00				
10	16QAM	25	13	17.17	17.17	17.00	18.4	0		
10	16QAM	50	0	17.00	17.00	17.19				
10	16QAM	50	25	17.10	17.00	17.14				
10	256QAM	1	25	17.03	17.20	17.10	18.4	0		
10	256QAM	1	49	17.18	17.02	16.96				
10	256QAM	25	0	17.09	17.05	16.96				
10	256QAM	25	13	17.11	17.06	17.26		18.4	0	
10	256QAM	25	25	17.17	17.16	17.15				
10	256QAM	25	49	17.00	17.32	17.12				
Channel										
Frequency (MHz)										
5	QPSK	1	0	18.02	18.00	18.05	18.4	0		
5	QPSK	1	12	17.18	17.19	17.15				
5	QPSK	1	24	17.27	17.15	17.18				
5	QPSK	1	36	17.01	17.23	17.12		18.4	0	
5	QPSK	12	7	16.95	17.10	17.01				
5	QPSK	12	13	17.16	17.13	17.10				
5	QPSK	12	19	17.18	17.21	17.08				
5	16QAM	1	0	16.98	16.98	17.08	18.4	0		
5	16QAM	1	12	17.23	17.28	17.05				
5	16QAM	12	0	17.00	17.20	17.10				
5	16QAM	12	0	17.15	17.08	16.93		18.4	0	
5	16QAM	12	7	17.25	17.08	17.08				
5	16QAM	12	13	16.93	17.27	17.20				
5	16QAM	25	0	17.00	17.09	17.22				
5	16QAM	1	0	17.06	17.22	16.95	18.4	0		
5	16QAM	12	0	17.21	17.23	16.91				
5	16QAM	12	7	17.04	17.16	17.03				
5	16QAM	25	0	17.12	17.12	17.12		18.4	0	
5	16QAM	25	0	17.10	17.00	17.19				
5	16QAM	25	0	17.04	17.16	17.19				
5	16QAM	25	0	17.07	17.09	17.06				
5	16QAM	1	0	17.09	17.29	17.02	18.4	0		
5	16QAM	1	8	17.29	17.20	17.02				
5	16QAM	1	16	17.02	17.35	17.17				
5	16QAM	8	0	17.09	17.09	16.92		18.4	0	
5	16QAM	8	4	17.25	17.12	17.13				
5	16QAM	8	16	16.93	17.24	17.24				
5	16QAM	16	0	17.00	17.08	17.24		18.4	0	
5	16QAM	16	0	17.10	17.27	17.26				
5	16QAM	16	0	17.24	17.22	17.28				
5	16QAM	1	14	17.18	17.02	17.00				
5	16QAM	1	0	17.29	17.00	17.00	18.4	0		
5	16QAM	1	7	17.10	17.19	17.05				
5	16QAM	8	7	17.09	16.96	17.19				
5	16QAM	1	0	17.06	17.27	17.11		18.4	0	
5	256QAM	1	8	17.04	17.12	17.10				
5	256QAM	1	16	17.24	17.07	17.00				
5	256QAM	8	0	17.15	17.23	17.31				
5	256QAM	8	4	17.09	17.17	17.09	18.4	0		
5	256QAM	8	7	17.20	17.05	17.13				
5	256QAM	16	0	16.94	17.27	17.14				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	17.20	17.20	17.16	18.4	0		
1.4	QPSK	1	3	17.14	17.17	17.22				
1.4	QPSK	1	5	17.22	17.10	17.14				
1.4	QPSK	3	0	17.05	17.20	17.26		18.4	0	
1.4	QPSK	3	1	16.99	17.10	17.00				
1.4	QPSK	3	1	17.16	17.13	17.16				
1.4	16QAM	1	0	17.19	17.26	17.08	18.4	0		
1.4	16QAM	1	0	16.99	17.00	17.14				
1.4	16QAM	1	3	17.02	17.13	17.10				
1.4	16QAM	1	3	17.02	17.15	17.07		18.4	0	
1.4	16QAM	3	0	17.09	17.14	16.97				
1.4	16QAM	3	1	16.93	17.30	17.17				

Band 12 Ant1 DS12 Simultaneous												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Time-up Int. (sec)	MPR (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0	23.15	23.22	23.19	23.7	0				
10	QPSK	1	25	23.07	23.13	23.08						
10	QPSK	1	49	23.03	23.04	23.04						
10	QPSK	25	0	23.05	23.02	23.00	23.7	0				
10	QPSK	25	12	23.03	23.02	23.12						
10	QPSK	25	25	23.17	23.01	22.87						
10	QPSK	50	0	23.07	22.88	23.03	23.7	0				
10	16QAM	1	0	22.75	22.79	22.84						
10	16QAM	1	25	23.12	22.84	22.95						
10	16QAM	1	49	23.03	22.87	22.84	23.7	0				
10	16QAM	25	0	22.98	22.94	22.94						
10	16QAM	25	12	22.22	22.24	22.38						
10	16QAM	25	25	22.48	22.25	22.25	23.7	0				
10	16QAM	50	0	22.42	22.22	22.20						
10	84QAM	1	0	22.01	22.96	23.13						
10	84QAM	1	25	22.94	22.71	23.09	23.7	0				
10	84QAM	1	49	22.97	22.91	23.07						
10	84QAM	25	0	22.47	22.61	22.39						
10	84QAM	25	12	22.45	22.54	22.62	23.7	0				
10	84QAM	25	25	22.52	22.50	22.55						
10	84QAM	50	0	22.39	22.53	22.37						
10	256QAM	1	0	19.22	19.31	19.30	20	3.7				
10	256QAM	1	25	19.36	19.39	19.31						
10	256QAM	1	49	19.31	19.37	19.25						
10	256QAM	25	0	19.25	19.45	19.35	20	3.7				
10	256QAM	25	12	19.37	19.35	19.35						
10	256QAM	25	25	19.37	19.19	19.23						
10	256QAM	50	0	19.43	19.43	19.43						
Channel												
Frequency (MHz)												
5	QPSK	1	0	23.00	23.17	23.11	23.7	0				
5	QPSK	1	12	22.96	22.87	22.84						
5	QPSK	1	24	22.68	22.78	22.87						
5	QPSK	12	0	22.94	22.89	22.90	23.7	0				
5	QPSK	12	7	22.93	22.82	22.98						
5	QPSK	12	13	22.98	22.84	22.82						
5	QPSK	25	0	22.69	22.85	22.87	23.7	0				
5	16QAM	1	0	22.99	22.69	22.88						
5	16QAM	1	24	22.93	22.81	22.78						
5	16QAM	12	0	22.21	22.18	22.11	23.7	0				
5	16QAM	12	7	22.07	22.14	22.22						
5	16QAM	25	0	22.38	22.14	22.10						
5	84QAM	1	0	22.89	22.80	22.86	23.7	0				
5	84QAM	1	24	22.91	22.81	22.79						
5	84QAM	1	24	22.95	22.92	22.96						
5	84QAM	12	0	22.31	22.51	22.32	23.7	0				
5	84QAM	12	7	22.37	22.44	22.46						
5	84QAM	12	13	22.45	22.43	22.45						
5	84QAM	25	0	22.27	22.42	22.41	23.7	0				
5	256QAM	1	0	18.39	18.33	18.35						
5	256QAM	1	12	18.37	18.31	18.23						
5	256QAM	1	24	18.21	18.37	18.23						
5	256QAM	12	0	18.34	18.17	18.20						
5	256QAM	12	13	18.34	18.16	18.21						
5	256QAM	25	0	18.34	18.16	18.21	20	3.7				
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	23.02	23.18	23.10				23.7	0	
1.4	QPSK	1	5	22.92	23.01	22.96						
1.4	QPSK	1	5	22.91	22.89	22.88						
1.4	QPSK	3	0	22.99	22.95	22.94	23.7	0				
1.4	QPSK	3	1	22.93	22.91	22.95						
1.4	QPSK	3	3	23.13	22.88	22.81						
1.4	16QAM	1	0	22.98	22.85	22.88	23.7	0				
1.4	16QAM	1	0	22.88	22.74	22.98						
1.4	16QAM	1	3	23.01	22.75	22.92						
1.4	16QAM	3	1	22.99	22.81	22.74	23.7	0				
1.4	16QAM	3	1	22.12	22.11	22.18						
1.4	16QAM	3	1	22.11	22.12	22.32						
1.4	16QAM	6	0	22.31	22.14	22.13	23.7	0				
1.4	84QAM	1	0	22.93	22.81	22.87						
1.4	84QAM	1	3	22.87	22.63	22.95						
1.4	84QAM	1	5	22.88	22.84	22.87	23.7	0				
1.4	84QAM	3	0	22.37	22.62	22.34						
1.4	84QAM	3	1	22.35	22.63	22.49						
1.4	84QAM	3	3	22.38	22.34	22.45	23.7	0				
1.4	256QAM	1	0	18.23	18.49	18.25						
1.4	256QAM	1	0	18.11	18.51	18.13						
1.4	256QAM	1	3	18.28	18.37	18.38	20	3.7				
1.4	256QAM	1	5	18.32	18.30	18.16						
1.4	256QAM	3	0	18.30	18.37	18.16						
1.4	256QAM	3	1	18.41	18.17	18.35	20	3.7				
1.4	256QAM	3	0	18.42	18.09	18.28						
1.4	256QAM	5	0	18.30	18.43	18.24						

Band 13 Ant1 DS12 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Time-up Int. (sec)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.69	22.73	22.73	24	0	
10	QPSK	1	25	22.73	22.65	22.65			
10	QPSK	1	49	22.91	22.12	22.12			
10	QPSK	25	0	22.65	22.62	22.62	24	0	
10	QPSK	25	12	22.63	22.62	22.63			
10	QPSK	25	25	22.13	22.13	22.13			
10	16QAM	1	0	22.12	22.12	22.12	24	0	
10	16QAM	1	25	22.43	22.43	22.43			
10	16QAM	1	49	22.10	22.10	22.10			
10	16QAM	25	0	21.54	21.54	21.54	23	1	
10	16QAM	25	12	21.22	21.22	21.22			
10	16QAM	25	25	21.66	21.66	21.66			
10	16QAM	50	0	21.08	21.08	21.08	23	1	
10	84QAM	1	0	22.22	22.22	22.22			
10	84QAM	1	25	22.25	22.25	22.25			
10	84QAM	1	49	21.55	21.55	21.55	24	0	
10	84QAM	25	12	21.21	21.21	21.21			
10	84QAM	25	25	21.09	21.09	21.09			
10	84QAM	50	0	21.09	21.09	21.09	19	5	
10	256QAM	1	25	18.79	18.79	18.79			
10	256QAM	1	49	18.84	18.84	18.84			
10	256QAM	25	12	18.50	18.50	18.50	19	5	
10	256QAM	25	25	18.67	18.67	18.67			
10	256QAM	50	0	18.43	18.43	18.43			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.84	22.43	22.79	24	0	
5	QPSK	1	12	22.84	22.86	22.84			
5	QPSK	1	24	22.78	22.73	22.47			
5	QPSK	12	0	22.40	22.45	22.85	23	0.7	
5	QPSK	12	7	22.43	22.32	22.34			
5	QPSK	12	13	22.45	22.60	22.25			
5	QPSK	25	0	22.56	22.12	22.45	24	0	
5	16QAM	1	0	22.33	22.52	22.39			
5	16QAM	1	12	22.39	22.44	22.37			
5	16QAM	1	24	22.32	22.31	22.01	24	0	
5	16QAM	12	0	22.40	22.45	22.85			
5	16QAM	12	7	22.43	22.32	22.34			
5	16QAM	12	13	22.45	22.37	22.39	23	1	
5	16QAM	25	0	21.36	21.20	21.66			
5	16QAM	25	12	21.52	21.62	21.62			
5	16QAM	12	13	21.38	21.79	21.79	23	1	
5	16QAM	25	0	21.36	21.20	21.66			
5	16QAM	25	12	21.52	21.62	21.62			
5	16QAM	1	12	22.57	22.08	22.05	23	0.5	
5	84QAM	1	24	22.56	22.88	22.41			
5	84QAM	1	12	22.48	22.41	22.38			
5	84QAM	12	7	22.37	22.25	22.62	23	1	
5	84QAM	12	7	22.37	22.25	22.62			
5	84QAM	12	13	22.48	22.37	22.39			
5	84QAM	25	12	22.41	21.58	22.64	23	1	
5	256QAM	1	0	18.84	18.68	18.68			
5	256QAM	1	12	18.80	18.62	18.62			
5	256QAM	1	12	18.84	18.56	18.57	19	5	
5	256QAM	12	0	18.69	18.69	18.69			
5	256QAM	12	7	18.70	18.67	18.65			
5	256QAM	12	13	18.50	18.50	18.50	19	5	
5	256QAM	25	0	18.61	18.47	18.48			



Band 25 Ant1 DS12 Simultaneous									
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Main Ch./F.Freq.	Power Main Ch./F.Freq.	Power Main Ch./F.Freq.	Turn-up rate (dB)	MFR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	17.32	17.43	17.36			
20	QPSK	1	60	17.32	17.43	17.36	18.4	0	
20	QPSK	1	99	17.32	17.42	17.35			
20	QPSK	50	0	17.14	17.36	17.31			
20	QPSK	50	60	17.18	17.21	17.22	18.4	0	
20	QPSK	50	170	17.19	17.24	17.28			
20	QPSK	100	0	17.20	17.36	17.23			
20	QPSK	100	60	17.38	17.41	17.34	18.4	0	
20	QPSK	1	49	17.26	17.36	17.33			
20	QPSK	1	99	17.38	17.33	17.38			
20	QPSK	50	0	17.25	17.28	17.26			
20	QPSK	50	24	17.12	17.18	17.30	18.4	0	
20	QPSK	50	50	17.18	17.26	17.26			
20	QPSK	100	0	17.24	17.23	17.20			
20	QPSK	1	0	17.19	17.29	17.20			
20	QPSK	1	49	17.19	17.26	17.31	18.4	0	
20	QPSK	1	99	17.33	17.20	17.38			
20	QPSK	50	0	17.14	17.20	17.06			
20	QPSK	50	24	17.12	17.15	17.13	18.4	0	
20	QPSK	50	50	17.18	17.28	17.16			
20	QPSK	1	0	17.22	17.24	17.24			
20	QPSK	1	49	17.28	17.26	17.34	18.4	0	
20	QPSK	1	99	17.36	17.23	17.36			
20	QPSK	50	0	17.17	17.15	17.12			
20	QPSK	50	24	17.17	17.15	17.12	18.4	0	
20	QPSK	50	50	17.14	17.21	17.13			
20	QPSK	100	0	17.15	17.20	17.20			
Channel									
Frequency (MHz)									
15	QPSK	1	0	17.20	17.31	17.22			
15	QPSK	1	74	17.20	17.28	17.26	18.4	0	
15	QPSK	36	0	17.04	17.33	17.17			
15	QPSK	36	170	17.06	17.07	17.10	18.4	0	
15	QPSK	36	99	17.10	17.13	17.17			
15	QPSK	75	0	17.07	17.22	17.08			
15	QPSK	75	60	17.31	17.33	17.29	18.4	0	
15	QPSK	1	37	17.13	17.30	17.23			
15	QPSK	1	74	17.26	17.28	17.16	18.4	0	
15	QPSK	36	0	17.12	17.14	17.28			
15	QPSK	36	20	17.10	17.08	17.16			
15	QPSK	36	50	17.10	17.15	17.20	18.4	0	
15	QPSK	75	0	17.03	17.26	17.14			
15	QPSK	75	60	17.07	17.08	17.08	18.4	0	
15	QPSK	1	74	17.20	17.15	17.33			
15	QPSK	36	0	17.09	17.06	16.89	18.4	0	
15	QPSK	36	20	17.09	17.03	17.07			
15	QPSK	36	99	17.07	17.02	17.07			
15	QPSK	75	0	17.08	17.06	17.02			
15	QPSK	75	60	17.14	17.18	17.17	18.4	0	
15	QPSK	1	37	17.14	17.18	17.17			
15	QPSK	1	74	17.14	17.30	17.25			
15	QPSK	36	0	17.04	17.11	17.12	18.4	0	
15	QPSK	36	20	17.09	17.05	17.03			
15	QPSK	36	99	17.08	17.06	17.03	18.4	0	
15	QPSK	75	0	17.07	17.08	17.08			
Channel									
Frequency (MHz)									
10	QPSK	1	0	16.95	16.90	16.90			
10	QPSK	1	26	17.18	17.02	17.22	18.4	0	
10	QPSK	1	49	17.18	17.28	17.26			
10	QPSK	25	0	17.10	17.16	17.17	18.4	0	
10	QPSK	25	26	17.10	17.13	17.16			
10	QPSK	1	0	17.21	17.29	17.26			
10	QPSK	1	26	17.21	17.25	17.22	18.4	0	
10	QPSK	25	0	17.12	17.15	17.25			
10	QPSK	25	12	17.17	17.12	17.18	18.4	0	
10	QPSK	36	0	17.08	17.18	17.10			
10	QPSK	50	0	17.18	17.12	17.15			
10	QPSK	1	0	17.07	17.20	17.10	18.4	0	
10	QPSK	1	26	17.08	17.20	17.22			
10	QPSK	1	49	17.18	17.23	17.23			
10	QPSK	25	0	17.00	17.11	16.96	18.4	0	
10	QPSK	25	12	17.04	17.05	17.05			
10	QPSK	25	26	17.02	16.97	17.02			
10	QPSK	50	0	17.04	17.03	16.96			
10	QPSK	1	26	17.24	17.21	17.05	18.4	0	
10	QPSK	1	49	17.17	17.18	17.12			
10	QPSK	1	26	17.14	17.25	17.26			
10	QPSK	25	0	17.00	17.09	17.02	18.4	0	
10	QPSK	25	12	17.04	17.07	17.07			
10	QPSK	25	26	17.06	17.05	17.07			
10	QPSK	50	0	17.01	17.09	17.07	18.4	0	
10	QPSK	1	0	17.10	17.09	17.10			
Channel									
Frequency (MHz)									
5	QPSK	1	0	16.92	16.96	16.95			
5	QPSK	1	12	17.15	17.31	17.18	18.4	0	
5	QPSK	1	24	17.19	17.29	17.21			
5	QPSK	8	0	16.98	17.23	17.16			
5	QPSK	12	7	17.05	17.09	17.17	18.4	0	
5	QPSK	12	13	17.08	17.17	17.22			
5	QPSK	24	0	17.14	17.21	17.12			
5	QPSK	1	0	17.26	17.32	17.24	18.4	0	
5	QPSK	1	12	17.17	17.24	17.22			
5	QPSK	8	0	17.18	17.25	17.27			
5	QPSK	12	0	17.19	17.18	17.23	18.4	0	
5	QPSK	12	7	17.10	17.03	17.18			
5	QPSK	8	0	17.07	17.17	17.16			
5	QPSK	25	0	17.18	17.18	17.21	18.4	0	
5	QPSK	1	0	17.08	17.28	17.17			
5	QPSK	1	8	17.08	17.14	17.23	18.4	0	
5	QPSK	1	24	17.19	17.23	17.27			
5	QPSK	12	0	17.04	17.14	16.98			
5	QPSK	12	13	17.03	17.03	16.99	18.4	0	
5	QPSK	25	0	17.06	16.99	17.07			
5	QPSK	25	0	17.04	17.08	17.02			
5	QPSK	25	12	17.08	17.16	17.12	18.4	0	
5	QPSK	1	0	17.19	17.09	17.13			
5	QPSK	1	24	17.19	17.29	17.22			
5	QPSK	8	0	16.97	17.11	17.05	18.4	0	
5	QPSK	12	7	17.06	17.03	16.99			
5	QPSK	12	13	17.08	17.11	17.08	18.4	0	
5	QPSK	25	0	17.01	17.11	17.09			
Channel									
Frequency (MHz)									
3	QPSK	1	0	17.24	17.35	17.22			
3	QPSK	1	8	17.19	17.28	17.18	18.4	0	
3	QPSK	1	14	17.19	17.31	17.23			
3	QPSK	8	0	17.09	17.20	17.20			
3	QPSK	8	4	17.07	17.12	17.16	18.4	0	
3	QPSK	8	7	17.13	17.15	17.14			
3	QPSK	14	0	17.18	17.29	17.23			
3	QPSK	1	0	17.23	17.34	17.22			
3	QPSK	1	8	17.17	17.21	17.24	18.4	0	
3	QPSK	8	0	17.28	17.25	17.20			
3	QPSK	8	0	17.13	17.19	17.26	18.4	0	
3	QPSK	8	4	17.12	17.07	17.22			
3	QPSK	1	0	17.08	17.17	17.12			
3	QPSK	15	0	17.19	17.18	17.19			
3	QPSK	1	0	17.09	17.28	17.09	18.4	0	
3	QPSK	8	0	17.01	17.15	17.17			
3	QPSK	1	14	17.19	17.19	17.31			
3	QPSK	8	0	17.00	17.05	17.05	18.4	0	
3	QPSK	8	7	17.08	16.95	17.09			
3	QPSK	15	0	17.01	17.09	17.01			
3	QPSK	1	0	17.22	17.13	17.11			
3	QPSK	1	8	17.12	17.16	17.09	18.4	0	
3	QPSK	8	0	17.18	17.20	17.19			
3	QPSK	8	4	17.11	17.03	17.03	18.4	0	
3	QPSK	1	0	17.18	17.22	17.06			
3	QPSK	1	8	17.18	17.17	17.29	18.4	0	
3	QPSK	8	0	17.08	17.06	17.06			
3	QPSK	1	0	17.02	17.06	17.06			
3	QPSK	3	0	17.04	17.01	17.05	18.4	0	
3	QPSK	3	0	17.11	17.03	17.03			
3	QPSK	1	0	17.18	17.22	17.06			
3	QPSK	1	8	17.19	17.14	17.13	18.4	0	
3	QPSK	1	15	17.18	17.20	17.22			
3	QPSK	3	0	16.93	17.17	17.12	18.4	0	
3	QPSK	3	1	17.09	17.04	17.01			
3	QPSK	3	1	17.07	17.13	17.01			
3	QPSK	6	0	17.01	17.05	17.13	18.4	0	

Band 26 Ant1 DS12 Simultaneous									
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Main Ch./F.Freq.	Power Main Ch./F.Freq.	Power Main Ch./F.Freq.	Turn-up rate (dB/s)	MFR (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	0	21.77	21.80	21.80			
15	QPSK	1	37	21.84	21.87	21.87			
15	QPSK	1	74	21.89	21.88	21.89		23	0
15	QPSK	36	0	21.68	21.87	21.72			
15	QPSK	36	37	21.72	21.85	21.75			
15	QPSK	36	69	21.65	21.70	21.73		23	0
15	QPSK	75	0	21.69	21.84	21.75			
15	QPSK	75	37	21.83	21.91	21.84			
15	HQAM	1	37	21.78	21.89	21.88			23 0
15	HQAM	1	74	21.90	21.89	21.87			
15	HQAM	36	0	21.75	21.75	21.75			
15	HQAM	36	30	21.69	21.73	21.76			
15	HQAM	36	39	21.74	21.73	21.72			
15	HQAM	75	0	21.82	21.87	21.86			
15	HQAM	75	0	21.85	21.84	21.87			
15	HQAM	1	37	21.80	21.75	21.78			23 0
15	HQAM	1	74	21.84	21.80	21.87			
15	HQAM	36	0	21.86	21.87	21.87			
15	HQAM	36	20	21.74	21.75	21.68			23 0
15	HQAM	36	20	21.85	21.85	21.85			
15	HQAM	75	0	21.70	21.82	21.71			
15	HQAM	75	0	21.80	21.82	21.80			
15	HQAM	1	0	21.92	21.90	21.90			20 3
15	HQAM	1	37	21.92	21.93	21.93			
15	HQAM	36	20	21.65	21.63	21.63			20 3
15	HQAM	36	30	21.91	21.88	21.89			
15	HQAM	36	39	21.91	21.88	21.89			
15	HQAM	75	0	21.89	21.89	21.87			
Channel									
Frequency (MHz)									
15	QPSK	1	0	21.77	21.81	21.81	Turn-up rate (dB/s)	MFR (dB)	
15	QPSK	1	0	21.87	21.85	21.84			
15	QPSK	1	37	21.84	21.80	21.87			23 0
15	QPSK	1	49	21.75	21.76	21.80			
15	QPSK	25	0	21.60	21.81	21.63			
15	QPSK	25	0	21.65	21.83	21.63			
15	QPSK	25	20	21.58	21.56	21.60			23 0
15	QPSK	50	0	21.69	21.72	21.70			
15	HQAM	1	0	21.78	21.79	21.87			
15	HQAM	1	20	21.70	21.81	21.74			23 0
15	HQAM	1	25	21.82	21.75	21.78			
15	HQAM	25	0	21.59	21.72	21.67			
15	HQAM	25	12	21.61	21.66	21.65			
15	HQAM	50	0	21.51	21.67	21.68			23 0
15	HQAM	1	0	21.51	21.77	21.64			
15	HQAM	1	37	21.62	21.77	21.65			
15	HQAM	1	49	21.65	21.73	21.75			
15	HQAM	25	0	21.54	21.80	21.62			
15	HQAM	25	0	21.59	21.80	21.65			
15	HQAM	50	0	21.62	21.69	21.69			
15	HQAM	50	0	21.62	21.69	21.68			
15	HQAM	1	26	21.67	21.93	21.64			20 3
15	HQAM	1	49	21.27	21.92	21.33			
15	HQAM	1	74	21.30	21.93	21.33			
15	HQAM	25	12	21.60	21.34	21.33			
15	HQAM	25	25	21.45	21.34	21.46			
15	HQAM	25	25	21.45	21.34	21.46			
Channel									
Frequency (MHz)									
8	QPSK	1	0	21.67	21.68	21.68	Turn-up rate (dB/s)	MFR (dB)	
8	QPSK	1	12	21.60	21.78	21.67			23 0
8	QPSK	1	24	21.62	21.80	21.69			
8	QPSK	1	36	21.61	21.80	21.63			
8	QPSK	12	7	21.59	21.57	21.67			
8	QPSK	12	13	21.57	21.61	21.68			
8	HQAM	1	0	21.68	21.79	21.68			
8	HQAM	1	12	21.70	21.77	21.77			
8	HQAM	1	24	21.67	21.81	21.75			
8	HQAM	12	0	21.57	21.68	21.67			23 0
8	HQAM	12	7	21.56	21.63	21.68			
8	HQAM	12	13	21.57	21.69	21.68			
8	HQAM	1	0	21.66	21.73	21.70			
8	HQAM	1	12	21.67	21.79	21.64			
8	HQAM	1	24	21.61	21.68	21.73			
8	HQAM	12	0	21.52	21.76	21.61			
8	HQAM	12	13	21.58	21.61	21.66			23 0
8	HQAM	12	13	21.56	21.60	21.56			
8	HQAM	1	0	21.53	21.65	21.65			
8	HQAM	1	0	21.53	21.65	21.65			
8	HQAM	1	12	21.42	21.30	21.29			20 3
8	HQAM	1	12	21.42	21.30	21.29			
8	HQAM	12	7	21.51	21.63	21.62			20 3
8	HQAM	12	13	21.50	21.63	21.62			
8	HQAM	1	0	21.45	21.56	21.56			
8	HQAM	25	0	21.52	21.51	21.41			
Channel									
Frequency (MHz)									
3	QPSK	1	0	21.64	21.81	21.81	Turn-up rate (dB/s)	MFR (dB)	
3	QPSK	1	8	21.60	21.83	21.75			23 0
3	QPSK	1	14	21.78	21.74	21.85			
3	QPSK	1	14	21.52	21.82	21.82			
3	QPSK	8	4	21.60	21.81	21.65			23 0
3	QPSK	15	0	21.61	21.74	21.68			
3	HQAM	1	0	21.72	21.84	21.78			23 0
3	HQAM	1	8	21.75	21.86	21.80			
3	HQAM	1	14	21.78	21.78	21.85			23 0
3	HQAM	8	0	21.66	21.72	21.65			
3	HQAM	8	4	21.56	21.73	21.68			
3	HQAM	8	7	21.69	21.66	21.67			
3	HQAM	15	0	21.54	21.63	21.65			
3	HQAM	1	0	21.53	21.70	21.65			
3	HQAM	1	8	21.55	21.65	21.72			
3	HQAM	1	14	21.68	21.72	21.76			
3	HQAM	8	0	21.56	21.73	21.68			
3	HQAM	8	4	21.63	21.60	21.60			23 0
3	HQAM	15	0	21.60	21.70	21.67			
3	HQAM	1	0	19.11	19.44	19.35			20 3
3	HQAM	1	8	19.33	19.34	19.43			
3	HQAM	1	14	19.28	19.38	19.28			
3	HQAM	8	0	19.42	19.42	19.48			
3	HQAM	8	4	19.54	19.34	19.31			
3	HQAM	8	7	19.51	19.40	19.43			
3	HQAM	15	0	19.50	19.38	19.42			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	21.67	21.81	21.76	Turn-up rate (dB/s)	MFR (dB)	
1.4	QPSK	1	0	21.67	21.81	21.76			
1.4	QPSK	1	5	21.52	21.79	21.67			23 0
1.4	QPSK	1	0	21.83	21.82	21.87			
1.4	QPSK	1	1	21.84	21.59	21.65			
1.4	QPSK	1	3	21.53	21.60	21.68			
1.4	QPSK	8	0	21.55	21.77	21.64			
1.4	QPSK	1	0	21.76	21.84	21.79			
1.4	QPSK	1	5	21.66	21.83	21.74			
1.4	HQAM	1	5	21.79	21.80	21.75			23 0
1.4	HQAM	1	0	21.81	21.71	21.81			
1.4	HQAM	1	5	21.58	21.67	21.68			
1.4	HQAM	3	0	21.62	21.63	21.64			
1.4	HQAM	6	0	21.50	21.71	21.67			
1.4	HQAM	1	0	21.49	21.62	21.67			
1.4	HQAM	1	5	21.51	21.66	21.77			
1.4	HQAM	3	1	21.63	21.67	21.75			
1.4	HQAM	3	1	21.76	21.71	21.65			
1.4	HQAM	6	0	21.72	21.68	21.68			
1.4	HQAM	6	0	21.62	21.68	21.60			23 0
1.4	HQAM	1	0	19.08	19.38	19.30			
1.4	HQAM	1	5	19.34	19.34	19.33			
1.4	HQAM	1	6	19.25	19.23	19.27			20 3
1.4	HQAM	3	0	19.22	19.37	19.30			
1.4	HQAM	3	3	19.34	19.34	19.31			
1.4	HQAM	3	3	19.19	19.42	19.36			
1.4	HQAM	6	0	19.20	19.25	19.32			20 3

Band 71 Ant1 DSI2 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power Hgh Ch. / Freq.	Turn-up limit (dB)	APPR (dB)	
Channel									
Frequency (MHz)				873	883	888			
20	QPSK	1	0	22.52	22.64	22.66			
20	QPSK	1	48	22.39	22.59	22.54	24	0	
20	QPSK	1	99	22.44	22.41	20.35			
20	QPSK	50	0	21.53	21.74	21.68			
20	QPSK	50	24	21.59	21.73	21.67	23	1	
20	QPSK	50	50	21.52	21.60	21.53			
20	QPSK	100	0	21.60	21.69	21.56			
20	16QAM	1	0	21.85	21.86	21.82			
20	16QAM	1	48	21.69	21.63	21.56	23	1	
20	16QAM	1	99	21.65	21.65	21.65			
20	16QAM	50	0	20.68	20.74	20.68			
20	16QAM	50	24	20.72	20.73	20.74	22	2	
20	16QAM	50	50	20.49	20.55	20.55			
20	16QAM	100	0	20.63	20.65	20.65			
20	64QAM	1	0	20.74	20.69	20.62			
20	64QAM	1	48	20.47	20.39	20.43	22	2	
20	64QAM	1	99	20.44	20.55	20.54			
20	64QAM	50	0	19.76	19.80	19.59			
20	64QAM	50	24	19.52	19.72	19.66	21	3	
20	64QAM	50	50	19.57	19.56	19.65			
20	64QAM	100	0	19.67	19.76	19.58			
20	256QAM	1	0	18.86	18.76	18.76			
20	256QAM	1	48	18.61	18.65	18.58	20	4	
20	256QAM	1	99	18.57	18.71	18.67			
20	256QAM	50	0	18.09	18.08	18.28			
20	256QAM	50	24	18.91	18.93	18.87	20	4	
20	256QAM	50	50	18.90	18.72	18.90			
20	256QAM	100	0	18.63	18.67	18.38			
Channel									
Frequency (MHz)				133197	133207	133207	Turn-up limit (dB)	APPR (dB)	
15	QPSK	1	0	22.52	22.61	22.60			
15	QPSK	1	37	22.23	22.40	22.48	24	0	
15	QPSK	1	74	22.23	22.43	22.28			
15	QPSK	36	0	21.39	21.73	21.48			
15	QPSK	36	20	21.38	21.50	21.63	23	1	
15	QPSK	36	39	21.38	21.56	21.47			
15	QPSK	79	0	21.45	21.59	21.36			
15	16QAM	1	0	21.68	21.65	21.73	23	1	
15	16QAM	1	37	21.52	21.42	21.38			
15	16QAM	1	74	21.52	21.64	21.44			
15	16QAM	36	0	20.68	20.58	20.66			
15	16QAM	36	20	20.58	20.63	20.64	22	2	
15	16QAM	36	39	20.36	20.46	20.29			
15	16QAM	75	0	20.54	20.63	20.59			
15	64QAM	1	0	20.52	20.70	20.45			
15	64QAM	1	37	20.37	20.56	20.28	22	2	
15	64QAM	1	74	20.32	20.43	20.33			
15	64QAM	36	0	19.66	19.59	19.61			
15	64QAM	36	20	19.36	19.61	19.45	21	3	
15	64QAM	36	39	19.39	19.47	19.51			
15	64QAM	75	0	19.69	19.74	19.53			
15	256QAM	1	0	18.55	18.56	18.61			
15	256QAM	1	37	18.54	18.67	18.69	20	4	
15	256QAM	1	74	18.38	18.66	18.67			
15	256QAM	36	0	18.91	18.86	19.01			
15	256QAM	36	20	18.89	18.93	18.72	20	4	
15	256QAM	36	39	18.87	18.64	18.90			
15	256QAM	75	0	18.68	18.64	18.36			
Channel									
Frequency (MHz)				133172	133279	133452	Turn-up limit (dB)	APPR (dB)	
10	QPSK	1	0	22.42	22.56	22.42			
10	QPSK	1	25	22.32	22.41	22.53	24	0	
10	QPSK	1	49	22.33	22.23	22.15			
10	QPSK	25	0	21.54	21.66	21.48			
10	QPSK	25	12	21.43	21.68	21.65	23	1	
10	QPSK	25	25	21.32	21.41	21.53			
10	QPSK	50	0	21.55	21.67	21.49			
10	16QAM	1	0	21.85	21.65	21.61			
10	16QAM	1	25	21.49	21.47	21.36	23	1	
10	16QAM	1	49	21.51	21.56	21.31			
10	16QAM	25	0	20.55	20.64	20.63			
10	16QAM	25	12	20.65	20.57	20.73	22	2	
10	16QAM	25	25	20.38	20.37	20.46			
10	16QAM	50	0	20.59	20.62	20.44			
10	64QAM	1	0	20.72	20.48	20.42			
10	64QAM	1	25	20.30	20.50	20.28	22	2	
10	64QAM	1	49	20.39	20.51	20.34			
10	64QAM	25	0	19.70	19.63	19.68			
10	64QAM	25	12	19.51	19.56	19.58	21	3	
10	64QAM	25	25	19.43	19.53	19.44			
10	64QAM	50	0	19.53	19.66	19.44			
10	256QAM	1	0	18.60	18.73	18.72			
10	256QAM	1	25	18.54	18.47	18.62	20	4	
10	256QAM	1	49	18.38	18.55	18.49			
10	256QAM	25	0	19.02	18.90	19.37			
10	256QAM	25	12	18.74	18.95	18.84	20	4	
10	256QAM	25	25	18.69	18.74	18.71			
10	256QAM	50	0	18.41	18.61	18.42			
Channel									
Frequency (MHz)				133147	133247	133447	Turn-up limit (dB)	APPR (dB)	
5	QPSK	1	0	22.42	22.45	22.43			
5	QPSK	1	12	22.37	22.54	22.30	24	0	
5	QPSK	1	24	22.37	22.37	22.17			
5	QPSK	12	0	21.52	21.68	21.64			
5	QPSK	12	7	21.38	21.53	21.61	23	1	
5	QPSK	12	13	21.40	21.69	21.54			
5	QPSK	25	0	21.68	21.65	21.42			
5	16QAM	1	0	21.67	21.69	21.75	23	1	
5	16QAM	1	12	21.52	21.46	21.59			
5	16QAM	1	24	21.60	21.63	21.54			
5	16QAM	12	0	20.59	20.63	20.63			
5	16QAM	12	7	20.49	20.75	20.67	22	2	
5	16QAM	12	13	20.42	20.35	20.30			
5	16QAM	25	0	20.51	20.47	20.58			
5	64QAM	1	0	20.63	20.63	20.47			
5	64QAM	1	12	20.36	20.54	20.41	22	2	
5	64QAM	1	24	20.38	20.59	20.59			
5	64QAM	12	0	19.66	19.59	19.51			
5	64QAM	12	7	19.48	19.69	19.45	21	3	
5	64QAM	12	13	19.41	19.41	19.63			
5	64QAM	25	0	19.59	19.96	19.55			
5	256QAM	1	0	18.60	18.70	18.68			
5	256QAM	1	12	18.41	18.51	18.50	20	4	
5	256QAM	1	24	18.53	18.62	18.46			
5	256QAM	12	0	18.88	18.91	18.89			
5	256QAM	12	7	18.79	18.94	18.85	20	4	
5	256QAM	12	13	18.75	18.86	18.76			
5	256QAM	25	0	18.43	18.61	18.58			

Band 38 Ant1 DS12 Standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power [dBm] CIS / PCH	Power [dBm] CIS / PCH	Power [dBm] CIS / PCH	Turn-up time (dBm)	MPE (dB)	
Channel									
Frequency (MHz)				37160	36600	36100			
20	QPSK	1	0	18.45	18.45	18.45	18.45		
20	QPSK	1	40	18.33	18.33	18.33	18.33		0
20	QPSK	1	80	18.33	18.33	18.33	18.33		0
20	QPSK	50	0	18.37	18.37	18.37	18.37		0
20	QPSK	50	24	18.42	18.32	18.40	18.40		0
20	QPSK	50	48	18.42	18.32	18.40	18.40		0
20	QPSK	100	0	18.43	18.43	18.46	18.46		0
20	16QAM	1	0	18.54	18.54	18.41	18.41		0
20	16QAM	1	40	18.54	18.54	18.46	18.46		0
20	16QAM	1	80	18.41	18.33	18.46	18.46		0
20	16QAM	50	0	18.52	18.52	18.42	18.42		0
20	16QAM	50	24	18.47	18.37	18.40	18.40		0
20	16QAM	50	48	18.42	18.42	18.41	18.41		0
20	16QAM	100	0	18.49	18.52	18.40	18.40		0
20	16QAM	100	24	18.43	18.33	18.38	18.38		0
20	64QAM	1	0	18.45	18.37	18.50	18.50		0
20	64QAM	1	40	18.45	18.37	18.50	18.50		0
20	64QAM	1	80	18.51	18.51	18.41	18.41		0
20	64QAM	50	0	18.39	18.43	18.51	18.51		0
20	64QAM	50	24	18.48	18.48	18.44	18.44		0
20	64QAM	50	48	18.43	18.43	18.44	18.44		0
20	64QAM	100	0	18.41	18.39	18.48	18.48		0
20	256QAM	1	0	18.61	18.61	18.46	18.46		0
20	256QAM	1	40	18.61	18.61	18.55	18.55		0
20	256QAM	1	80	18.45	18.53	18.48	18.48		0
20	256QAM	50	0	18.59	18.59	18.48	18.48		0
20	256QAM	50	24	18.39	18.51	18.55	18.55		0
20	256QAM	50	48	18.44	18.42	18.26	18.26		0
20	256QAM	100	0	18.58	18.54	18.51	18.44		0
Channel									
Frequency (MHz)				37160	36600	36100	Turn-up time (dBm)	MPE (dB)	
Frequency (MHz)				2127.5	20700	20200			
15	QPSK	1	0	18.37	18.45	18.33	18.33		
15	QPSK	1	37	18.45	18.34	18.33	18.33		
15	QPSK	1	74	18.43	18.33	18.37	18.37		
15	QPSK	36	0	18.34	18.44	18.31	18.31		
15	QPSK	36	20	18.32	18.29	18.48	18.48		
15	QPSK	36	39	18.43	18.33	18.37	18.37		
15	QPSK	75	0	18.31	18.45	18.59	18.59		
15	16QAM	1	0	18.56	18.56	18.42	18.42		
15	16QAM	1	37	18.52	18.45	18.53	18.53		
15	16QAM	1	74	18.58	18.38	18.52	18.52		
15	16QAM	36	0	18.50	18.49	18.53	18.53		
15	16QAM	36	20	18.37	18.37	18.31	18.31		
15	16QAM	36	39	18.31	18.54	18.51	18.51		
15	16QAM	75	0	18.46	18.46	18.48	18.48		
15	16QAM	75	20	18.43	18.53	18.39	18.39		
15	64QAM	1	0	18.36	18.37	18.41	18.41		0
15	64QAM	1	37	18.36	18.36	18.27	18.27		0
15	64QAM	36	0	18.59	18.32	18.51	18.51		
15	64QAM	36	20	18.47	18.52	18.48	18.48		
15	64QAM	36	39	18.37	18.37	18.50	18.50		
15	64QAM	75	0	18.34	18.58	18.52	18.52		
15	256QAM	1	0	18.46	18.46	18.30	18.30		0
15	256QAM	1	37	18.55	18.55	18.42	18.42		0
15	256QAM	1	74	18.39	18.32	18.55	18.55		0
15	256QAM	36	0	18.43	18.33	18.50	18.50		0
15	256QAM	36	20	18.53	18.35	18.50	18.50		0
15	256QAM	36	39	18.50	18.45	18.34	18.34		0
15	256QAM	75	0	18.48	18.48	18.42	18.42		0
Channel									
Frequency (MHz)				37160	36600	36100	Turn-up time (dBm)	MPE (dB)	
Frequency (MHz)				2127.5	20700	20200			
5	QPSK	1	0	18.37	18.45	18.33	18.33		
5	QPSK	1	12	18.5	18.27	18.13	18.13		0
5	QPSK	1	24	18.31	18.51	18.47	18.47		0
5	QPSK	12	0	18.34	18.54	18.54	18.54		0
5	QPSK	12	12	18.32	18.23	18.30	18.30		0
5	QPSK	12	24	18.34	18.34	18.30	18.30		0
5	QPSK	24	0	18.39	18.30	18.31	18.31		0
5	16QAM	1	0	18.48	18.44	18.29	18.29		0
5	16QAM	1	12	18.5	18.27	18.13	18.13		0
5	16QAM	1	24	18.30	18.43	18.35	18.35		0
5	16QAM	12	0	18.32	18.54	18.24	18.24		0
5	16QAM	12	12	18.29	18.36	18.29	18.24		0
5	16QAM	12	24	18.32	18.21	18.20	18.20		0
5	16QAM	24	0	18.41	18.30	18.31	18.30		0
5	16QAM	24	12	18.38	18.33	18.30	18.30		0
5	16QAM	24	24	18.27	18.05	18.18	18.18		0
5	64QAM	1	0	18.35	18.34	18.21	18.21		0
5	64QAM	1	12	18.51	18.28	18.13	18.13		0
5	64QAM	1	24	18.31	18.51	18.35	18.35		0
5	64QAM	12	0	18.30	18.53	18.35	18.35		0
5	256QAM	1	0	18.60	18.42	18.23	18.23		0
5	256QAM	1	12	18.36	18.36	18.44	18.44		0
5	256QAM	1	24	18.60	18.38	18.30	18.30		0
5	256QAM	12	0	18.59	18.39	18.32	18.32		0
5	256QAM	12	12	18.28	18.48	18.18	18.18		0
5	256QAM	12	24	18.35	18.43	18.22	18.22		0
5	256QAM	24	0	18.47	18.38	18.48	18.48		0

[illegible]

Band 41 Ant1_PC2 DS2 Standalone										
RF [MHz]	Modulation	RB Size	RB Offset	Power [Power Spectral Density]	Power [Power Spectral Density]	Power [Power Spectral Density]	Power [Power Spectral Density]	Power [Power Spectral Density]	Power [Power Spectral Density]	Power [Power Spectral Density]
				96750	40185	40600	41005	41400		
Frequency (MHz)				dBm	dBm	dBm	dBm	dBm	Time up limit (min)	MFR (dB)
5 QPRK	0	20	20	20.71	20.83	20.51	20.83	20.83	21.7	0
20 QPRK	1	49	20	20.79	20.87	20.84	20.80	20.80		
20 QPRK	5	99	20	20.82	20.82	20.86	20.79	20.80		
20 QPRK	50	24	20	20.84	20.84	20.77	20.85	20.78		
20 QPRK	50	24	20	20.85	20.85	20.73	20.84	20.78	21.7	0
20 QPRK	50	24	20	20.86	20.86	20.73	20.84	20.78		
20 QPRK	100	0	49	20.72	20.66	20.83	20.81	20.78		
150M	1	0	20	20.77	20.85	20.77	20.82	20.82		
150M	25	0	49	20.68	20.81	20.77	20.82	20.74	21.7	0
150M	1	99	20	20.80	20.83	20.83	20.81	20.80		
150M	50	0	20	20.70	20.70	20.77	20.70	20.77		
150M	50	24	20	20.73	20.73	20.77	20.70	20.66		
150M	50	24	20	20.66	20.66	20.68	20.66	20.64	21.7	0
150M	100	0	20	20.68	20.67	20.67	20.68	20.69		
150M	100	0	20	20.68	20.68	20.67	20.68	20.72		
150M	1	49	20	20.54	20.69	20.70	20.67	20.69		
150M	25	0	49	20.68	20.67	20.70	20.67	20.69	21.7	0
150M	50	0	20	20.68	20.68	20.67	20.68	20.69		
150M	50	24	20	20.60	20.61	20.59	20.57	20.55		
150M	50	24	20	20.54	20.51	20.53	20.60	20.50		
150M	100	0	20	20.62	20.58	20.57	20.60	20.49	21.7	0
150M	100	0	20	20.58	20.54	20.55	20.55	20.55		
255M	1	0	20	20.71	20.76	20.68	20.65	20.54		
255M	1	99	20	20.64	20.64	20.67	20.65	20.71		
255M	50	24	20	20.78	20.72	20.71	20.63	20.76	21.7	0
255M	50	24	20	20.78	20.72	20.71	20.63	20.76		
255M	50	24	20	20.56	20.61	20.64	20.54	20.56		
255M	50	24	20	20.56	20.61	20.52	20.65	20.55		
255M	100	0	20	20.53	20.67	20.67	20.67	20.62	21.7	0
Channel				96725	40173	40626	41068	41615		
Frequency (MHz)				dBm	dBm	dBm	dBm	dBm	Time up limit (min)	MFR (dB)
5 QPRK	0	20	20	20.71	20.73	20.61	20.74	20.73	21.7	0
5 QPRK	1	39	20	20.69	20.73	20.71	20.69	20.73		
5 QPRK	1	74	20	20.73	20.70	20.72	20.69	20.70		
5 QPRK	5	99	20	20.47	20.51	20.51	20.49	20.60		
5 QPRK	36	20	20	20.52	20.55	20.67	20.69	20.50	21.7	0
5 QPRK	36	20	20	20.52	20.55	20.67	20.69	20.50		
5 QPRK	75	0	20	20.47	20.52	20.57	20.54	20.61		
5 QPRK	75	0	20	20.58	20.55	20.68	20.60	20.65		
150M	1	0	20	20.68	20.71	20.70	20.73	20.75	21.7	0
150M	1	99	20	20.57	20.63	20.67	20.65	20.73		
150M	1	74	20	20.74	20.69	20.76	20.70	20.80		
150M	25	0	20	20.58	20.66	20.65	20.68	20.67		
150M	25	0	20	20.59	20.67	20.66	20.67	20.68	21.7	0
150M	36	39	20	20.53	20.57	20.44	20.60	20.56		
150M	75	0	20	20.47	20.56	20.59	20.60	20.60		
150M	75	0	20	20.45	20.66	20.59	20.60	20.60		
150M	1	37	24	20.44	20.54	20.58	20.62	20.61	21.7	0
150M	1	74	24	20.52	20.56	20.59	20.62	20.58		
150M	36	0	20	20.50	20.50	20.45	20.45	20.45		
150M	36	20	24	20.48	20.38	20.43	20.46	20.42		
150M	36	20	24	20.52	20.48	20.43	20.46	20.41	21.7	0
150M	75	0	20	20.48	20.47	20.47	20.50	20.48		
150M	75	0	20	20.49	20.49	20.50	20.49	20.50		
150M	75	0	20	20.48	20.48	20.53	20.54	20.49		
150M	1	0	20	20.69	20.68	20.63	20.64	20.67	21.7	0
150M	1	99	20	20.49	20.59	20.63	20.61	20.67		
150M	1	74	20	20.64	20.62	20.59	20.77	20.61		
150M	1	0	20	20.44	20.44	20.44	20.44	20.54		
150M	25	0	20	20.45	20.47	20.55	20.55	20.45	21.7	0
150M	25	0	20	20.45	20.47	20.55	20.55	20.45		
150M	36	39	20	20.44	20.48	20.44	20.56	20.43		
150M	36	0	20	20.39	20.54	20.47	20.61	20.42		
Channel				96750	40160	40626	41060	41660	Time up limit (min)	MFR (dB)
Frequency (MHz)				dBm	dBm	dBm	dBm	dBm	Time up limit (min)	MFR (dB)
5 QPRK	0	20	20	20.64	20.68	20.56	20.78	20.71	21.0	0
5 QPRK	1	25	20	20.68	20.72	20.76	20.79	20.68		
5 QPRK	1	49	20	20.68	20.76	20.78	20.74	20.73		
5 QPRK	5	99	20	20.52	20.58	20.69	20.65	20.65		
5 QPRK	25	12	20	20.52	20.52	20.59	20.57	20.64	21.7	0
5 QPRK	25	12	20	20.47	20.52	20.59	20.57	20.48		
5 QPRK	50	0	20	20.57	20.59	20.69	20.74	20.68		
150M	1	0	20	20.68	20.72	20.69	20.75	20.73		
150M	1	99	20	20.68	20.74	20.73	20.70	20.69	21.7	0
150M	1	74	20	20.70	20.76	20.77	20.71	20.76		
150M	25	0	20	20.59	20.67	20.66	20.71	20.69		
150M	25	0	20	20.68	20.68	20.66	20.68	20.69		
150M	25	12	20	20.68	20.68	20.66	20.68	20.69	21.7	0
150M	25	12	20	20.68	20.68	20.66	20.68	20.69		
150M	25	12	20	20.58	20.58	20.47	20.58	20.49		
150M	25	12	20	20.59	20.54	20.56	20.59	20.61		
150M	25	0	20	20.43	20.74	20.52	20.68	20.67	21.7	0
150M	25	0	20	20.47	20.56	20.56	20.54	20.69		
150M	25	12	20	20.57	20.70	20.72	20.68	20.68		
150M	25	0	20	20.51	20.55	20.43	20.48	20.42		
150M	25	12	20	20.48	20.40	20.43	20.53	20.39	21.7	0
150M	25	12	20	20.44	20.43	20.43	20.51	20.41		
150M	50	0	20	20.45	20.42	20.43	20.47	20.40		
150M	50	0	20	20.60	20.68	20.54	20.65	20.52		
150M	1	25	20	20.53	20.56	20.61	20.59	20.54	21.7	0
150M	1	25	20	20.53	20.56	20.61	20.59	20.54		
150M	1	49	20	20.65	20.62	20.65	20.70	20.66		
150M	1	99	20	20.43	20.42	20.42	20.43	20.56		
150M	12	12	20	20.43	20.54	20.55	20.55	20.41	21.7	0
150M	12	12	20	20.43	20.54	20.55	20.55	20.41		
150M	25	25	20	20.51	20.63	20.57	20.57	20.45		
150M	25	25	20	20.52	20.60	20.52	20.52	20.43		
Channel				96675	40148	40626	41060	41660	Time up limit (min)	MFR (dB)
Frequency (MHz)				dBm	dBm	dBm	dBm	dBm	Time up limit (min)	MFR (dB)
5 QPRK	0	20	20	20.66	20.68	20.56	20.82	20.73	21.0	0
5 QPRK	1	12	20	20.71	20.81	20.73	20.76	20.68		
5 QPRK	1	24	20	20.71	20.71	20.69	20.76	20.69		
5 QPRK	5	99	20	20.48	20.48	20.77	20.69	20.69		
5 QPRK	12	7	20	20.59	20.59	20.60	20.67	20.58	21.7	0
5 QPRK	12	7	20	20.59	20.59	20.60	20.67	20.58		
5 QPRK	25	0	20	20.65	20.59	20.70	20.70	20.64		
150M	1	0	20	20.63	20.78	20.67	20.67	20.73		
150M	1	12	20	20.63	20.78	20.67	20.67	20.73	21.7	0
150M	1	24	20	20.63	20.78	20.67	20.67	20.73		
150M	12	0	20	20.71	20.69	20.69	20.69	20.74		
150M	12	0	20	20.57	20.67	20.70	20.71	20.84		
150M	12	0	20	20.48	20.57	20.60	20.71	20.81	21.7	0
150M	12	13	20	20.60	20.52	20.47	20.56	20.55		
150M	12	13	20	20.59	20.56	20.47	20.56	20.55		
150M	12	0	20	20.48	20.64	20.59	20.67	20.66		
150M	1	12	20	20.44	20.64	20.61	20.57	20.62	21.7	0
150M	1	24	20	20.37	20.57	20.54	20.54	20.64		
150M	12	0	20	20.52	20.48	20.48	20.49	20.46		
150M	12	7	20	20.53	20.38	20.45	20.54	20.39		
150M	12	7	20	20.54	20.43	20.43	20.43	20.36	21.7	0
150M	12	0	20	20.52	20.43	20.43	20.47	20.46		
150M	25	0	20	20.62	20.67	20.56	20.67	20.55		
150M	25	0	20	20.48	20.57	20.56	20.57	20.58		
150M	1	24	20	20.72	20.62	20.64	20.71	20.64	21.7	0
150M	1	24	20	20.72	20.62	20.64	20.71	20.64		
150M	12	7	20	20.51	20.54	20.50	20.52	20.49		
150M	12	7	20	20.46	20.46	20.47	20.56	20.41		
150M	12	13	20	20.40	20.46	20.47	20.56	20.43	21.7	0
Channel				96675	40148	40626	41060	41660		



Band 38 Ant1 DSI2 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Tune-up Int. (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				37465	38050	38150			
				297.5	299	291.5			
20	QPSK	1	0	17.35	17.55	17.43	18.8	0	
20	QPSK	1	48	17.31	17.45	17.48			
20	QPSK	1	88	17.35	17.59	17.52			
20	QPSK	50	0	17.35	17.44	17.38			
20	QPSK	50	24	17.24	17.18	17.28	18.8	0	
20	QPSK	50	50	17.25	17.31	17.28			
20	QPSK	100	0	17.13	17.40	17.34			
20	HQAM	1	0	17.16	17.38	17.48	18.8	0	
20	HQAM	1	48	17.18	17.50	17.45			
20	HQAM	1	96	17.47	17.38	17.25			
20	HQAM	50	24	17.26	17.43	17.28	18.8	0	
20	HQAM	50	50	17.20	17.27	17.33			
20	HQAM	50	50	17.18	17.50	17.25			
20	HQAM	100	0	17.25	17.28	17.25			
20	HQAM	100	0	17.14	17.55	17.34			
20	HQAM	1	48	17.18	17.59	17.16	18.8	0	
20	HQAM	1	96	17.23	17.35	17.28			
20	HQAM	50	0	17.09	17.22	17.14			
20	HQAM	50	24	17.17	17.24	17.11	18.8	0	
20	HQAM	50	50	17.20	17.02	17.06			
20	HQAM	100	0	17.18	16.99	17.16			
20	256QAM	1	0	17.31	17.35	17.31	18.8	0	
20	256QAM	1	48	17.35	17.52	17.25			
20	256QAM	1	96	17.26	17.32	17.30			
20	256QAM	50	0	17.21	17.28	17.24			
20	256QAM	50	24	17.14	17.09	17.08	18.8	0	
20	256QAM	50	50	17.08	17.06	17.10			
20	256QAM	100	0	17.15	17.07	17.11			
Channel									
Frequency (MHz)				37475	38050	38175	Tune-up Int. (dBm)	MPR (dB)	
				297.5	299	292.5			
15	QPSK	1	0	17.35	17.52	17.44	18.8	0	
15	QPSK	1	37	17.15	17.47	17.51			
15	QPSK	1	74	17.41	17.38	17.52			
15	QPSK	36	0	17.38	17.19	17.50			
15	QPSK	36	20	17.18	17.19	17.22	18.8	0	
15	QPSK	36	38	17.23	17.29	17.38			
15	QPSK	75	0	17.23	17.29	17.38			
15	HQAM	1	0	17.16	17.43	17.32	18.8	0	
15	HQAM	1	37	17.41	17.39	17.48			
15	HQAM	1	74	17.34	17.45	17.35			
15	HQAM	36	0	17.23	17.29	17.17			
15	HQAM	36	20	17.20	17.25	17.25	18.8	0	
15	HQAM	36	38	17.28	17.21	17.08			
15	HQAM	75	0	17.05	17.14	17.13			
15	HQAM	75	0	17.28	17.22	17.06			
15	HQAM	1	37	17.11	17.27	17.31	18.8	0	
15	HQAM	1	74	17.22	17.34	17.21			
15	HQAM	36	0	17.23	17.29	17.21			
15	HQAM	36	20	17.10	17.09	17.09	18.8	0	
15	HQAM	36	38	17.20	17.29	17.16			
15	256QAM	1	0	17.02	17.23	17.10			
15	256QAM	1	0	17.23	17.29	17.14	18.8	0	
15	256QAM	1	37	17.23	17.29	17.16			
15	256QAM	1	74	17.14	17.18	17.23			
15	256QAM	36	0	17.10	17.13	17.35	18.8	0	
15	256QAM	36	20	17.11	17.15	17.21			
15	256QAM	36	38	17.17	17.19	17.13			
15	256QAM	75	0	17.20	17.02	17.16			
Channel									
Frequency (MHz)				2571	2575	2577	Tune-up Int. (dBm)	MPR (dB)	
				2571	2575	2577			
10	QPSK	1	0	17.42	17.42	17.42	18.8	0	
10	QPSK	1	25	17.42	17.42	17.37			
10	QPSK	1	48	17.42	17.39	17.54			
10	QPSK	1	48	17.42	17.39	17.54			
10	QPSK	25	12	17.32	17.22	17.30	18.8	0	
10	QPSK	25	25	17.14	17.37	17.21			
10	QPSK	25	35	17.45	17.37	17.43			
10	HQAM	1	0	17.26	17.43	17.24	18.8	0	
10	HQAM	1	25	17.32	17.32	17.46			
10	HQAM	1	48	17.37	17.40	17.27			
10	HQAM	25	0	17.16	17.28	17.10			
10	HQAM	25	12	17.24	17.18	17.12	18.8	0	
10	HQAM	25	25	17.26	17.25	17.26			
10	HQAM	50	0	16.97	17.39	17.11			
10	HQAM	50	0	17.04	17.22	17.18			
10	HQAM	1	25	17.15	17.43	17.35	18.8	0	
10	HQAM	1	48	17.27	17.27	17.21			
10	HQAM	25	0	17.23	17.03	17.13	18.8	0	
10	HQAM	25	12	17.02	17.00	16.99			
10	HQAM	25	25	17.09	17.14	17.12			
10	HQAM	50	0	17.09	17.13	17.15			
10	256QAM	1	0	17.36	17.25	17.09	18.8	0	
10	256QAM	1	48	17.24	17.24	17.25			
10	256QAM	25	0	17.12	17.21	17.33			
10	256QAM	25	12	17.15	17.09	17.17	18.8	0	
10	256QAM	25	25	17.25	17.23	17.15			
10	256QAM	50	0	17.07	17.22	17.01			
Channel									
Frequency (MHz)				2571.5	2575	2577.5	Tune-up Int. (dBm)	MPR (dB)	
				2571.5	2575	2577.5			
5	QPSK	1	0	17.46	17.21	17.48	18.8	0	
5	QPSK	1	12	17.17	17.29	17.21			
5	QPSK	1	24	17.48	17.58	17.47			
5	QPSK	12	0	17.21	17.16	17.30	18.8	0	
5	QPSK	12	7	17.38	17.35	17.30			
5	QPSK	12	13	17.31	17.42	17.08			
5	QPSK	25	0	17.46	17.28	17.41			
5	HQAM	1	0	17.14	17.37	17.25			
5	HQAM	1	12	17.28	17.24	17.31	18.8	0	
5	HQAM	1	24	17.45	17.53	17.43			
5	HQAM	12	0	17.20	17.26	17.11			
5	HQAM	12	7	17.31	17.29	17.31	18.8	0	
5	HQAM	12	13	17.18	17.11	17.17			
5	HQAM	25	0	17.15	17.22	17.11			
5	HQAM	25	0	17.28	17.15	17.25	18.8	0	
5	HQAM	25	12	17.09	17.07	17.36			
5	HQAM	1	24	17.26	17.41	17.16			
5	HQAM	12	0	17.05	17.11	17.01	18.8	0	
5	HQAM	12	7	17.18	17.13	17.08			
5	HQAM	12	13	17.08	17.21	16.93			
5	HQAM	25	0	17.01	16.96	17.20			
5	256QAM	1	0	17.18	17.37	17.36			
5	256QAM	1	12	17.02	17.27	17.34	18.8	0	
5	256QAM	1	24	17.38	17.23	17.29			
5	256QAM	12	0	17.12	17.18	17.08			
5	256QAM	12	7	17.00	17.21	17.15	18.8	0	
5	256QAM	12	13	17.24	17.24	17.18			
5	256QAM	25	0	16.96	17.22	17.11			

Band 41 Ant1_PC3 DSI2 Simultaneous										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Time-up Int. (dBm)	MPR (dB)	
Channel										
Frequency (MHz)				38950	40185	40620	41068	41860		
				2970	4163.5	4204	4288	4372		
20	QPSK	1	0	17.71	17.71	17.72	17.68	17.68	18.8	0
20	QPSK	1	48	17.58	17.69	17.67	17.73	17.68		
20	QPSK	1	88	17.70	17.72	17.73	17.76	17.66		
20	QPSK	50	0	17.74	17.68	17.64	17.66	17.56		
20	QPSK	50	24	17.49	17.55	17.58	17.50	17.47	18.8	0
20	QPSK	50	50	17.50	17.61	17.63	17.56	17.47		
20	QPSK	100	0	17.55	17.59	17.59	17.38	17.07		
20	16QAM	1	0	17.59	17.75	17.65	17.74	17.65	18.8	0
20	16QAM	1	48	17.57	17.68	17.68	17.63	17.52		
20	16QAM	1	96	17.63	17.69	17.67	17.66	17.61		
20	16QAM	50	24	17.48	17.59	17.50	17.60	17.55		
20	16QAM	50	50	17.51	17.49	17.53	17.50	17.46	18.8	0
20	16QAM	50	50	17.47	17.50	17.48	17.55	17.52		
20	16QAM	100	0	17.42	17.55	17.51	17.56	17.51		
20	16QAM	100	0	17.47	17.49	17.48	17.56	17.50		
20	16QAM	1	48	17.39	17.80	17.58	17.50	17.54	18.8	0
20	16QAM	1	96	17.50	17.62	17.50	17.53	17.46		
20	16QAM	50	0	17.43	17.46	17.39	17.42	17.35		
20	16QAM	50	24	17.43	17.44	17.44	17.43	17.35		
20	16QAM	50	50	17.47	17.40	17.35	17.44	17.39		
20	16QAM	100	0	17.41	17.38	17.42	17.36	17.42		
20	256QAM	1	0	17.54	17.57	17.52	17.56	17.50		
20	256QAM	1	48	17.50	17.56	17.58	17.50	17.46	18.8	0
20	256QAM	1	96	17.57	17.57	17.52	17.58	17.51		
20	256QAM	50	0	17.41	17.51	17.53	17.47	17.43		
20	256QAM	50	24	17.43	17.43	17.47	17.38	17.43		
20	256QAM	50	50	17.43	17.43	17.37	17.48	17.38	18.8	0
20	256QAM	100	0	17.42	17.53	17.49	17.38	17.35		
Channel										
Frequency (MHz)				38925	40173	40620	41068	41515		
				2965	4158	4204	4288	4372		
15	QPSK	1	0	17.69	17.67	17.67	17.68	17.68	18.8	0
15	QPSK	1	37	17.44	17.61	17.58	17.67	17.44		
15	QPSK	1	74	17.64	17.64	17.64	17.66	17.66		
15	QPSK	50	0	17.68	17.58	17.54	17.56	17.50		
15	QPSK	50	20	17.42	17.41	17.46	17.37	17.43	18.8	0
15	QPSK	50	40	17.43	17.43	17.43	17.43	17.33		
15	QPSK	75	0	17.47	17.49	17.58	17.28	17.61		
15	16QAM	1	0	17.50	17.69	17.50	17.68	17.51		
15	16QAM	1	37	17.42	17.44	17.48	17.48	17.48		
15	16QAM	1	74	17.51	17.56	17.59	17.53	17.57		
15	16QAM	50	0	17.38	17.46	17.43	17.49	17.48		
15	16QAM	50	20	17.37	17.36	17.40	17.31	17.39	18.8	0
15	16QAM	50	40	17.40	17.40	17.41	17.48	17.41		
15	16QAM	75	0	17.43	17.43	17.43	17.43	17.39		
15	16QAM	1	37	17.40	17.40	17.42	17.35	17.49		
15	16QAM	1	74	17.51	17.46	17.45	17.50	17.43	18.8	0
15	16QAM	50	0	17.34	17.39	17.28	17.38	17.25		
15	16QAM	50	20	17.36	17.32	17.32	17.30	17.21		
15	16QAM	50	40	17.41	17.41	17.41	17.32	17.28	18.8	0
15	16QAM	75	0	17.27	17.27	17.28	17.27	17.28		
15	256QAM	1	0	17.54	17.54	17.54	17.54	17.54		
15	256QAM	1	37	17.38	17.44	17.50	17.44	17.50		
15	256QAM	1	74	17.45	17.45	17.43	17.45	17.43	18.8	0
15	256QAM	50	0	17.36	17.36	17.36	17.36	17.36		
15	256QAM	50	20	17.32	17.30	17.31	17.24	17.33	18.8	0
15	256QAM	50	50	17.37	17.40	17.23	17.43	17.24		
15	256QAM	100	0	17.28	17.42	17.33	17.38	17.35		
Channel										
Frequency (MHz)				38900	40160	40620	41068	41515		
				2940	4133	4204	4288	4340		
10	QPSK	1	25	17.63	17.54	17.54	17.58	17.52	18.8	0
10	QPSK	1	50	17.54	17.54	17.54	17.58	17.58		
10	QPSK	25	0	17.58	17.49	17.63	17.51	17.42		
10	QPSK	25	12	17.37	17.41	17.52	17.44	17.36		
10	QPSK	25	25	17.42	17.52	17.42	17.42	17.33	18.8	0
10	QPSK	50	0	17.43	17.49	17.59	17.30	17.53		
10	16QAM	1	0	17.47	17.55	17.54	17.68	17.55		
10	16QAM	1	25	17.42	17.48	17.52	17.48	17.42		
10	16QAM	1	48	17.55	17.56	17.59	17.55	17.51		
10	16QAM	25	0	17.39	17.53	17.36	17.49	17.49		
10	16QAM	25	12	17.38	17.42	17.43	17.38	17.38	18.8	0
10	16QAM	50	0	17.41	17.41	17.39	17.47	17.41		
10	16QAM	50	12	17.43	17.46	17.46	17.46	17.36		
10	16QAM	1	0	17.41	17.53	17.35	17.58	17.41		
10	16QAM	1	25	17.32	17.46	17.51	17.38	17.40	18.8	0
10	16QAM	1	50	17.45	17.45	17.45	17.45	17.45		
10	16QAM	25	0	17.36	17.36	17.31	17.52	17.31		
10	16QAM	25	12	17.28	17.32	17.31	17.29	17.27		
10	16QAM	25	25	17.40	17.31	17.32	17.29	17.28	18.8	0
10	16QAM	50	0	17.34	17.24	17.36	17.27	17.35		
10	16QAM	50	12	17.43	17.47	17.47	17.47	17.37		
10	256QAM	1	25	17.37	17.44	17.47	17.30	17.54		
10	256QAM	1	48	17.48	17.50	17.42	17.45	17.46		
10	256QAM	25	0	17.35	17.45	17.45	17.35	17.48	18.8	0
10	256QAM	25	12	17.34	17.33	17.33	17.29	17.31		
10	256QAM	25	25	17.33	17.33	17.25	17.33	17.25		
10	256QAM	50	0	17.28	17.28	17.28	17.21	17.27	18.8	0
Channel										
Frequency (MHz)				38975	40146	40620	41068	41565		
				2965	4158	4204	4288	4372		
5	QPSK	1	0	17.62	17.52	17.68	17.52	17.44		
5	QPSK	1	12	17.44	17.60	17.61	17.59	17.45	18.8	0
5	QPSK	1	24	17.66	17.66	17.66	17.66	17.66		
5	QPSK	12	0	17.58	17.44	17.63	17.52	17.51		
5	QPSK	12	7	17.37	17.47	17.53	17.42	17.41		
5	QPSK	12	14	17.42	17.47	17.52	17.40	17.38		
5	QPSK	25	0	17.45	17.48	17.62	17.28	17.55		
5	16QAM	1	0	17.47	17.67	17.60	17.62	17.58		
5	16QAM	1	12	17.52	17.52	17.52	17.52	17.51		
5	16QAM	1	24	17.56	17.59	17.61	17.60	17.59		
5	16QAM	12	0	17.43	17.43	17.43	17.51	17.43		
5	16QAM	12	7	17.40	17.43	17.44	17.40	17.42		
5	16QAM	12	13	17.36	17.38	17.34	17.34	17.35	18.8	0
5	16QAM	25	0	17.35	17.52	17.34	17.60	17.47		
5	16QAM	1	12	17.37	17.49	17.52	17.44	17.41		
5	16QAM	1	24	17.50	17.42	17.50	17.50	17.54		
5	16QAM	12	0	17.35	17.34	17.34	17.31	17.17		
5	256QAM	1	7	17.31	17.37	17.32	17.32	17.21		
5	256QAM	1	14	17.32	17.32	17.29	17.30	17.24	18.8	0
5	256QAM	12	13	17.32	17.32	17.29	17.30	17.24		
5	256QAM	25	0	17.33	17.25	17.35	17.31	17.33		
5	256QAM	1	12	17.33	17.47	17.52	17.43	17.52		
5	256QAM	1	24	17.50	17.45	17.38	17.47	17.43		
5	256QAM	12	0	17.45	17.45	17.45	17.45	17.44		
5	256QAM	12	7	17.33	17.34	17.34	17.25	17.36	18.8	0
5	256QAM	12	13	17.33	17.44	17.31	17.38	17.28		
5	256QAM	25	0	17.35	17.41	17.35	17.35	17.27		

Band 48 Ant2 DSI2 Standalone

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	22.30	22.46	22.50	22.33	24	0
20	QPSK	1	49	22.46	22.32	22.48	22.29		
20	QPSK	1	99	22.37	22.31	22.46	22.40		
20	QPSK	50	0	21.46	21.38	21.44	21.41		
20	QPSK	50	24	21.33	21.42	21.49	21.43	23	1
20	QPSK	50	50	21.57	21.41	21.58	21.45		
20	QPSK	100	0	21.28	21.44	21.46	21.38		
20	16QAM	1	0	21.32	21.44	21.44	21.23		
20	16QAM	1	49	21.52	21.50	21.53	21.48	23	1
20	16QAM	1	99	21.44	21.31	21.50	21.44		
20	16QAM	50	0	20.33	20.47	20.46	20.45		
20	16QAM	50	24	20.42	20.44	20.49	20.49		
20	16QAM	50	50	20.49	20.57	20.57	20.57	22	2
20	16QAM	100	0	20.48	20.39	20.47	20.40		
20	64QAM	1	0	20.34	20.33	20.48	20.48		
20	64QAM	1	49	20.23	20.29	20.42	20.38		
20	64QAM	1	99	20.42	20.34	20.41	20.34	22	2
20	64QAM	50	0	19.23	19.23	19.35	19.20		
20	64QAM	50	24	19.31	19.35	19.44	19.40		
20	64QAM	50	50	19.51	19.54	19.53	19.55		
20	64QAM	100	0	19.25	19.29	19.37	19.36	19	5
20	256QAM	1	0	17.33	17.24	17.39	17.28		
20	256QAM	1	49	17.46	17.53	17.51	17.37		
20	256QAM	1	99	17.31	17.38	17.41	17.28		
20	256QAM	50	0	17.36	17.35	17.45	17.27	19	5
20	256QAM	50	24	17.25	17.34	17.46	17.28		
20	256QAM	50	50	17.52	17.51	17.55	17.33		
20	256QAM	100	0	17.38	17.42	17.43	17.40		
Channel				55315	55820	56180	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	22.15	22.38	22.39	22.18	24	0
15	QPSK	1	37	22.32	22.33	22.32	22.21		
15	QPSK	1	74	22.28	22.19	22.27	22.33		
15	QPSK	36	0	21.25	21.23	21.43	21.36		
15	QPSK	36	20	21.19	21.31	21.40	21.27	23	1
15	QPSK	36	39	21.43	21.22	21.50	21.34		
15	QPSK	75	0	21.20	21.44	21.35	21.31		
15	16QAM	1	0	21.22	21.29	21.23	21.11		
15	16QAM	1	37	21.53	21.50	21.31	21.34	23	1
15	16QAM	1	74	21.23	21.26	21.38	21.31		
15	16QAM	36	0	20.15	20.38	20.30	20.25		
15	16QAM	36	20	20.40	20.23	20.31	20.27		
15	16QAM	36	39	20.35	20.49	20.56	20.47	22	2
15	16QAM	75	0	20.28	20.23	20.44	20.26		
15	64QAM	1	0	20.26	20.15	20.32	20.32		
15	64QAM	1	37	20.06	20.13	20.27	20.36		
15	64QAM	1	74	20.41	20.25	20.32	20.26	22	2
15	64QAM	36	0	19.03	19.11	19.25	19.09		
15	64QAM	36	20	19.17	19.16	19.43	19.37		
15	64QAM	36	39	19.30	19.39	19.44	19.50		
15	64QAM	75	0	19.25	19.29	19.33	19.36	21	3
15	256QAM	1	0	17.26	17.18	17.39	17.17		
15	256QAM	1	37	17.40	17.50	17.52	17.30		
15	256QAM	1	74	17.17	17.24	17.34	17.15		
15	256QAM	36	0	17.28	17.15	17.28	17.25	19	5
15	256QAM	36	20	17.08	17.17	17.36	17.16		
15	256QAM	36	39	17.51	17.30	17.43	17.34		
15	256QAM	75	0	17.33	17.29	17.28	17.21		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	22.10	22.28	22.30	22.11	24	0
10	QPSK	1	25	22.31	22.33	22.41	22.11		
10	QPSK	1	49	22.21	22.31	22.32	22.41		
10	QPSK	25	0	21.30	21.28	21.33	21.24		
10	QPSK	25	12	21.19	21.32	21.48	21.25	23	1
10	QPSK	25	25	21.53	21.36	21.39	21.35		
10	QPSK	50	0	21.21	21.35	21.42	21.30		
10	16QAM	1	0	21.28	21.31	21.34	21.15		
10	16QAM	1	25	21.40	21.49	21.50	21.29	23	1
10	16QAM	1	49	21.34	21.27	21.49	21.45		
10	16QAM	25	0	20.27	20.33	20.32	20.27		
10	16QAM	25	12	20.35	20.35	20.33	20.38		
10	16QAM	25	25	20.50	20.50	20.41	20.43	22	2
10	16QAM	50	0	20.40	20.36	20.40	20.26		
10	64QAM	1	0	20.13	20.34	20.50	20.45		
10	64QAM	1	25	20.19	20.08	20.28	20.18		
10	64QAM	1	49	20.28	20.34	20.31	20.25	21	3
10	64QAM	25	0	19.21	19.20	19.37	19.01		
10	64QAM	25	12	19.14	19.20	19.44	19.39		
10	64QAM	25	25	19.34	19.47	19.46	19.48		
10	64QAM	50	0	19.24	19.13	19.23	19.20	19	5
10	256QAM	1	0	17.18	17.21	17.19	17.25		
10	256QAM	1	25	17.47	17.52	17.51	17.15		
10	256QAM	1	49	17.10	17.17	17.39	17.27		
10	256QAM	25	0	17.25	17.34	17.32	17.11	19	5
10	256QAM	25	12	17.09	17.34	17.34	17.20		
10	256QAM	25	25	17.53	17.46	17.48	17.12		
10	256QAM	50	0	17.30	17.38	17.35	17.38		
Channel				55865	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	22.26	22.26	22.44	22.19	24	0
5	QPSK	1	12	22.27	22.19	22.35	22.24		
5	QPSK	1	24	22.34	22.12	22.39	22.29		
5	QPSK	12	0	21.35	21.37	21.35	21.26		
5	QPSK	12	7	21.27	21.43	21.39	21.26	23	1
5	QPSK	12	13	21.56	21.43	21.54	21.25		
5	QPSK	25	0	21.25	21.43	21.38	21.32		
5	16QAM	1	0	21.10	21.39	21.36	21.21		
5	16QAM	1	12	21.42	21.47	21.32	21.47	23	1
5	16QAM	1	24	21.38	21.12	21.50	21.24		
5	16QAM	12	0	20.35	20.43	20.29	20.41		
5	16QAM	12	7	20.29	20.23	20.37	20.28		
5	16QAM	12	13	20.29	20.56	20.46	20.36	22	2
5	16QAM	25	0	20.30	20.34	20.42	20.34		
5	64QAM	1	0	20.22	20.23	20.31	20.30		
5	64QAM	1	12	20.18	20.09	20.21	20.40		
5	64QAM	1	24	20.41	20.27	20.31	20.14	22	2
5	64QAM	12	0	19.01	19.16	19.15	19.08		
5	64QAM	12	7	19.24	19.14	19.30	19.20		
5	64QAM	12	13	19.46	19.51	19.44	19.49		
5	64QAM	25	0	19.12	19.20	19.24	19.29	21	3
5	256QAM	1	0	17.13	17.06	17.24	17.16		
5	256QAM	1	12	17.43	17.54	17.33	17.20		
5	256QAM	1	24	17.23	17.23	17.35	17.27		
5	256QAM	12	0	17.32	17.19	17.41	17.11	19	5
5	256QAM	12	7	17.14	17.34	17.46	17.17		
5	256QAM	12	13	17.32	17.45	17.42	17.28		
5	256QAM	25	0	17.17	17.43	17.39	17.41		

Band 48 Ant2 DSI2 Simultaneous

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	22.30	22.46	22.50	22.33	24	0
20	QPSK	1	49	22.46	22.32	22.48	22.29		
20	QPSK	1	99	22.37	22.31	22.46	22.40		
20	QPSK	50	0	21.46	21.38	21.44	21.41		
20	QPSK	50	24	21.33	21.42	21.49	21.43	23	1
20	QPSK	50	50	21.57	21.41	21.58	21.45		
20	QPSK	100	0	21.28	21.44	21.46	21.38		
20	16QAM	1	0	21.32	21.44	21.44	21.23		
20	16QAM	1	49	21.52	21.50	21.53	21.48	23	1
20	16QAM	1	99	21.44	21.31	21.50	21.44		
20	16QAM	50	0	20.33	20.47	20.46	20.45		
20	16QAM	50	24	20.42	20.44	20.49	20.49		
20	16QAM	50	50	20.49	20.57	20.57	20.57	22	2
20	16QAM	100	0	20.48	20.39	20.47	20.40		
20	64QAM	1	0	20.34	20.33	20.48	20.48		
20	64QAM	1	49	20.23	20.29	20.42	20.38		
20	64QAM	1	99	20.42	20.34	20.41	20.34	22	2
20	64QAM	50	0	19.23	19.23	19.35	19.20		
20	64QAM	50	24	19.31	19.35	19.44	19.40		
20	64QAM	50	50	19.51	19.54	19.53	19.55		
20	64QAM	100	0	19.25	19.29	19.37	19.36	19	5
20	256QAM	1	0	17.33	17.24	17.39	17.28		
20	256QAM	1	49	17.46	17.53	17.51	17.37		
20	256QAM	1	99	17.31	17.38	17.41	17.28		
20	256QAM	50	0	17.36	17.35	17.45	17.27	19	5
20	256QAM	50	24	17.25	17.34	17.46	17.28		
20	256QAM	50	50	17.52	17.51	17.55	17.33		
20	256QAM	100	0	17.38	17.42	17.43	17.40		
Channel				55315	55820	56180	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	22.15	22.38	22.39	22.18	24	0
15	QPSK	1	37	22.32	22.33	22.32	22.21		
15	QPSK	1	74	22.28	22.19	22.27	22.33		
15	QPSK	36	0	21.25	21.23	21.43	21.36		
15	QPSK	36	20	21.19	21.31	21.40	21.27	23	1
15	QPSK	36	39	21.43	21.22	21.50	21.34		
15	QPSK	75	0	21.20	21.44	21.35	21.31		
15	16QAM	1	0	21.22	21.29	21.23	21.11		
15	16QAM	1	37	21.53	21.50	21.31	21.34	23	1
15	16QAM	1	74	21.23	21.26	21.38	21.31		
15	16QAM	36	0	20.15	20.38	20.30	20.25		
15	16QAM	36	20	20.40	20.23	20.31	20.27		
15	16QAM	36	39	20.35	20.49	20.56	20.47	22	2
15	16QAM	75	0	20.28	20.23	20.44	20.26		
15	64QAM	1	0	20.26	20.15	20.32	20.32		
15	64QAM	1	37	20.06	20.13	20.27	20.36		
15	64QAM	1	74	20.41	20.25	20.32	20.26	22	2
15	64QAM	36	0	19.03	19.11	19.25	19.09		
15	64QAM	36	20	19.17	19.16	19.43	19.37		
15	64QAM	36	39	19.30	19.39	19.44	19.50		
15	64QAM	75	0	19.25	19.29	19.33	19.36	21	3
15	256QAM	1	0	17.26	17.18	17.39	17.17		
15	256QAM	1	37	17.40	17.50	17.52	17.30		
15	256QAM	1	74	17.17	17.24	17.34	17.15		
15	256QAM	36	0	17.28	17.15	17.28	17.25	19	5
15	256QAM	36	20	17.08	17.17	17.36	17.16		
15	256QAM	36	39	17.51	17.30	17.43	17.34		
15	256QAM	75	0	17.33	17.29	17.28	17.21		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	22.10	22.28	22.30	22.11	24	0
10	QPSK	1	25	22.31	22.33	22.41	22.11		
10	QPSK	1	49	22.21	22.31	22.32	22.41		
10	QPSK	25	0	21.30	21.28	21.33	21.24		
10	QPSK	25	12	21.19	21.32	21.48	21.25	23	1
10	QPSK	25	25	21.53	21.36	21.39	21.35		
10	QPSK	50	0	21.21	21.35	21.42	21.30		
10	16QAM	1	0	21.28	21.31	21.34	21.15		
10	16QAM	1	25	21.40	21.49	21.50	21.29	23	1
10	16QAM	1	49	21.34	21.27	21.49	21.45		
10	16QAM	25	0	20.27	20.33	20.32	20.27		
10	16QAM	25	12	20.35	20.35	20.33	20.38		
10	16QAM	25	25	20.50	20.50	20.41	20.43	22	2
10	16QAM	50	0	20.40	20.36	20.40	20.26		
10	64QAM	1	0	20.13	20.34	20.50	20.45		
10	64QAM	1	25	20.19	20.08	20.28	20.18		
10	64QAM	1	49	20.28	20.34	20.31	20.25	21	3
10	64QAM	25	0	19.21	19.20	19.37	19.01		
10	64QAM	25	12	19.14	19.20	19.44	19.39		
10	64QAM	25	25	19.34	19.47	19.46	19.48		
10	64QAM	50	0	19.24	19.13	19.23	19.20	19	5
10	256QAM	1	0	17.18	17.21	17.19	17.25		
10	256QAM	1	25	17.47	17.52	17.51	17.15		
10	256QAM	1	49	17.10	17.17	17.39	17.27		
10	256QAM	25	0	17.25	17.34	17.32	17.11	19	5
10	256QAM	25	12	17.09	17.34	17.34	17.20		
10	256QAM	25	25	17.53	17.46	17.48	17.12		
10	256QAM	50	0	17.30	17.38	17.35	17.38		
Channel				55865	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	22.26	22.26	22.44	22.19	24	0
5	QPSK	1	12	22.27	22.19	22.35	22.24		
5	QPSK	1	24	22.34	22.12	22.39	22.29		
5	QPSK	12	0	21.35	21.37	21.35	21.26		
5	QPSK	12	7	21.27	21.43	21.39	21.26	23	1
5	QPSK	12	13	21.56	21.43	21.54	21.25		
5	QPSK	25	0	21.25	21.43	21.38	21.32		
5	16QAM	1	0	21.10	21.39	21.36	21.21		
5	16QAM	1	12	21.42	21.47	21.32	21.47	23	1
5	16QAM	1	24	21.38	21.12	21.50	21.24		
5	16QAM	12	0	20.35	20.43	20.29	20.41		
5	16QAM	12	7	20.29	20.23	20.37	20.28		
5	16QAM	12	13	20.29	20.56	20.46	20.36	22	2
5	16QAM	25	0	20.30	20.34	20.42	20.34		
5	64QAM	1	0	20.22	20.23	20.31	20.30		
5	64QAM	1	12	20.18	20.09	20.21	20.40		
5	64QAM	1	24	20.41	20.27	20.31	20.14	22	2
5	64QAM	12	0	19.01	19.16	19.15	19.08		
5	64QAM	12	7	19.24	19.14	19.30	19.20		
5	64QAM	12	13	19.46	19.51	19.44	19.49		
5	64QAM	25	0	19.12	19.20	19.24	19.29	21	3
5	256QAM	1	0	17.13	17.06	17.24	17.16		
5	256QAM	1	12	17.43	17.54	17.33	17.20		
5	256QAM	1	24	17.23	17.23	17.35	17.27		
5	256QAM	12	0	17.32	17.19	17.41	17.11	19	5
5	256QAM	12	7	17.14	17.34	17.46	17.17		
5	256QAM	12	13	17.32	17.45	17.42	17.28		
5	256QAM	25	0	17.17	17.43	17.39	17.41		

GSM850 Ant0 DS13 Standalone		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		32.52	32.27	32.21	33.50	23.52	23.27	23.21	24.50
GPRS 1 Tx slot		32.52	32.27	32.21	33.50	23.52	23.27	23.21	24.50
GPRS 2 Tx slots		29.72	29.46	29.37	30.00	23.72	23.46	23.37	24.00
GPRS 3 Tx slots		27.89	28.02	27.82	28.80	23.63	23.76	23.66	24.54
GPRS 4 Tx slots		26.57	26.32	26.18	27.50	23.57	23.32	23.18	24.50
EDGE 1 Tx slot		25.29	25.38	25.33	27.00	16.29	16.38	16.33	18.00
EDGE 2 Tx slots		23.54	23.76	23.74	25.00	17.54	17.76	17.74	19.00
EDGE 3 Tx slots		22.31	22.45	22.39	24.00	18.05	18.19	18.13	19.74
EDGE 4 Tx slots		20.21	20.43	20.30	22.00	17.21	17.43	17.30	19.00

GSM1900 Ant0 DS13 Standalone		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		27.77	27.79	27.68	28.60	18.77	18.79	18.68	19.60
GPRS 1 Tx slot		27.77	27.79	27.68	28.60	18.77	18.79	18.68	19.60
GPRS 2 Tx slots		24.76	24.87	24.79	25.60	18.76	18.87	18.79	19.60
GPRS 3 Tx slots		22.91	22.93	22.86	23.90	18.65	18.67	18.60	19.64
GPRS 4 Tx slots		21.45	21.78	21.55	22.60	18.45	18.78	18.55	19.60
EDGE 1 Tx slot		25.18	25.27	25.16	26.50	16.18	16.27	16.16	17.50
EDGE 2 Tx slots		23.60	23.78	23.67	24.50	17.60	17.78	17.67	18.50
EDGE 3 Tx slots		22.48	22.66	22.56	23.50	18.22	18.40	18.30	19.24
EDGE 4 Tx slots		20.24	20.35	20.31	21.00	17.24	17.35	17.31	18.00

Band		WCDMA II Ant0 DS13 Standalone			Tune-up Limit (dBm)	WCDMA IV Ant0 DS13 Standalone			Tune-up Limit (dBm)	WCDMA V Ant0 DS13 Standalone			Tune-up Limit (dBm)
TX Channel		8352	9400	9538		1312	1413	1513		4152	4482	4233	
Rx Channel		9652	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	17.24	17.36	17.28	18.60	17.85	17.94	17.82	18.70	22.27	22.39	22.33	23.30
3GPP Rel 99	RMC 12.2Kbps	17.42	17.47	17.46	18.60	17.94	18.06	17.89	18.70	22.36	22.51	22.44	23.30
3GPP Rel 6	HSDPA Subtest-1	16.45	16.56	16.37	17.60	17.06	17.03	16.97	17.70	21.47	21.61	21.59	23.30
3GPP Rel 6	HSDPA Subtest-2	16.53	16.54	16.29	17.60	16.92	17.08	16.88	17.70	21.44	21.61	21.59	23.30
3GPP Rel 6	HSDPA Subtest-3	15.96	15.97	15.94	17.10	16.45	16.58	16.53	17.20	21.03	20.98	21.18	22.80
3GPP Rel 6	HSDPA Subtest-4	15.98	16.02	16.08	17.10	16.43	16.46	16.68	17.20	21.03	21.00	21.14	22.80
3GPP Rel 8	DC-HSDPA Subtest-1	16.30	16.34	16.36	17.60	16.81	16.85	16.86	17.70	21.46	21.41	21.62	22.30
3GPP Rel 8	DC-HSDPA Subtest-2	16.49	16.39	16.15	17.60	16.88	16.88	16.69	17.70	21.38	21.44	21.42	22.30
3GPP Rel 8	DC-HSDPA Subtest-3	15.90	15.95	15.71	17.10	16.35	16.54	16.32	17.20	20.83	20.94	21.04	21.80
3GPP Rel 8	DC-HSDPA Subtest-4	15.82	15.97	15.87	17.10	16.26	16.42	16.29	17.20	20.88	20.92	20.95	21.80
3GPP Rel 6	HSUPA Subtest-1	16.46	16.56	16.50	17.60	16.90	17.13	17.00	17.70	21.61	21.88	21.82	22.30
3GPP Rel 6	HSUPA Subtest-2	14.46	14.45	14.54	15.60	14.89	14.97	15.05	15.70	19.84	19.79	19.94	20.30
3GPP Rel 6	HSUPA Subtest-3	15.59	15.60	15.54	16.60	16.05	16.10	16.10	16.70	20.91	20.78	20.95	21.30
3GPP Rel 6	HSUPA Subtest-4	14.54	14.53	14.51	15.60	14.93	15.12	15.01	15.70	19.88	19.88	19.81	20.30
3GPP Rel 6	HSUPA Subtest-5	16.38	16.46	16.41	17.60	16.84	16.99	16.84	17.70	21.83	21.75	21.78	22.30

GSM850 Ant0 DS13 Simultaneous		Burst Average Power (dbm)			Tune-up Limit (dbm)	Frame Average Power (dbm)			Tune-up Limit (dbm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	836.4	848.8	(dbm)	824.2	836.4	848.8	(dbm)
GSM 1 Tx slot		31.49	31.51	31.33	32.20	22.49	22.51	22.33	23.20
GPRS 1 Tx slot		31.49	31.51	31.33	32.20	22.49	22.51	22.33	23.20
GPRS 2 Tx slots		28.28	28.35	28.31	29.20	22.26	22.35	22.31	23.20
GPRS 3 Tx slots		26.55	26.58	26.52	27.50	22.29	22.32	22.26	23.24
GPRS 4 Tx slots		25.31	25.39	25.33	26.20	22.31	22.39	22.33	23.20
EDGE 1 Tx slot		25.29	25.38	25.33	27.00	16.29	16.38	16.33	18.00
EDGE 2 Tx slots		23.54	23.76	23.74	25.00	17.54	17.76	17.74	19.00
EDGE 3 Tx slots		22.31	22.45	22.39	24.00	16.05	16.19	16.13	19.74
EDGE 4 Tx slots		20.21	20.43	20.30	22.00	17.21	17.43	17.30	19.00

GSM1900 Ant0 DS13 Simultaneous		Burst Average Power (dbm)			Tune-up Limit (dbm)	Frame Average Power (dbm)			Tune-up Limit (dbm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1880	1909.8	(dbm)	1850.2	1880	1909.8	(dbm)
GSM 1 Tx slot		24.07	24.19	24.02	24.80	15.07	15.19	15.02	15.80
GPRS 1 Tx slot		24.07	24.19	24.02	24.80	15.07	15.19	15.02	15.80
GPRS 2 Tx slots		21.07	21.37	20.94	21.80	15.07	15.37	14.94	15.80
GPRS 3 Tx slots		18.88	18.96	18.79	20.00	14.62	14.70	14.53	15.74
GPRS 4 Tx slots		17.78	17.79	17.62	18.80	14.78	14.79	14.62	15.80
EDGE 1 Tx slot		24.05	24.02	24.09	24.80	15.05	15.02	15.09	15.80
EDGE 2 Tx slots		21.04	21.09	21.04	21.80	15.04	15.09	15.04	15.80
EDGE 3 Tx slots		19.04	19.06	19.05	20.00	14.78	14.80	14.79	15.74
EDGE 4 Tx slots		17.67	17.61	17.65	18.80	14.67	14.61	14.65	15.80

Band		WCDMA II Ant0 DS13 Simultaneous			Tune-up Limit (dbm)	WCDMA IV Ant0 DS13 Simultaneous			Tune-up Limit (dbm)	WCDMA V Ant0 DS13 Simultaneous			Tune-up Limit (dbm)
TX Channel		825	840	858		1312	1443	1513		4182	4182	4233	
Rx Channel		9652	9690	9938	(dbm)	1537	1638	1738	(dbm)	4387	4407	4458	(dbm)
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	13.77	13.83	13.81	15.10	14.86	14.92	14.79	16.40	21.03	21.12	21.08	22.00
3GPP Rel 99	RMC 12.2Kbps	13.86	13.91	13.88	15.10	14.92	14.98	14.88	16.40	21.11	21.21	21.14	22.00
3GPP Rel 6	HSDPA Subtest-1	13.03	13.11	13.04	14.10	13.83	13.91	13.93	15.40	20.04	20.07	20.23	21.00
3GPP Rel 6	HSDPA Subtest-2	13.01	13.12	13.15	14.10	13.72	13.89	13.86	15.40	19.97	20.09	20.22	21.00
3GPP Rel 6	HSDPA Subtest-3	12.61	12.65	12.45	13.60	13.37	13.44	13.52	14.90	19.53	19.77	19.90	20.50
3GPP Rel 6	HSDPA Subtest-4	12.40	12.56	12.58	13.60	13.26	13.22	13.32	14.90	19.54	19.79	19.88	20.50
3GPP Rel 8	DC-HSDPA Subtest-1	12.88	12.96	13.03	14.10	13.62	13.67	13.94	15.40	20.02	20.13	20.05	21.00
3GPP Rel 8	DC-HSDPA Subtest-2	13.19	12.96	12.85	14.10	13.79	13.86	14.07	15.40	20.00	20.08	20.28	21.00
3GPP Rel 8	DC-HSDPA Subtest-3	12.55	12.42	12.52	13.60	13.41	13.32	13.35	14.90	19.59	19.61	19.95	20.50
3GPP Rel 8	DC-HSDPA Subtest-4	12.70	12.53	12.62	13.60	13.32	13.15	13.47	14.90	19.66	19.63	19.73	20.50
3GPP Rel 6	HSUPA Subtest-1	13.04	13.07	13.15	14.10	13.76	13.75	13.82	15.40	20.15	20.06	20.31	21.00
3GPP Rel 6	HSUPA Subtest-2	11.16	11.07	11.06	12.10	11.80	11.94	11.85	13.40	18.06	18.17	18.38	19.00
3GPP Rel 6	HSUPA Subtest-3	12.18	11.93	11.93	13.10	12.70	12.75	12.99	14.40	18.93	19.05	19.22	20.00
3GPP Rel 6	HSUPA Subtest-4	11.18	10.95	11.02	12.10	11.85	11.90	12.01	13.40	18.13	17.94	18.19	19.00
3GPP Rel 6	HSUPA Subtest-5	13.22	13.22	13.32	14.10	13.88	13.93	13.78	15.40	20.01	20.15	20.19	21.00

Band 2 Ant0 DSI3 Standalone																		
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. 18050	Power Mid Ch./Freq. 18050	Power High Ch./Freq. 18100	Turnup time (sec)	MPR (dB)										
Channel																		
Frequency (MHz)																		
20	QPSK	1	0	17.63	17.77	17.41	19.2	0										
20	QPSK	1	49	17.59	17.31	17.55												
20	QPSK	1	99	17.63	17.40	17.68												
20	QPSK	50	0	17.56	17.60	17.47												
20	QPSK	50	24	17.49	17.42	17.41	19.2	0										
20	QPSK	50	50	17.52	17.36	17.44												
20	QPSK	100	0	17.56	17.65	17.62												
20	16QAM	1	0	17.59	17.68	17.51												
20	16QAM	1	49	17.63	17.73	17.61	19.2	0										
20	16QAM	1	99	17.56	17.52	17.62												
20	16QAM	50	0	17.45	17.66	17.51												
20	16QAM	50	24	17.52	17.40	17.52												
20	16QAM	50	50	17.55	17.46	17.56	19.2	0										
20	16QAM	100	0	17.59	17.60	17.59												
20	256QAM	1	0	17.56	17.67	17.66												
20	256QAM	1	49	17.57	17.71	17.45												
20	256QAM	1	99	17.56	17.51	17.50	19.2	0										
20	256QAM	50	0	17.39	17.39	17.39												
20	256QAM	50	24	17.31	17.39	17.51												
20	256QAM	50	50	17.43	17.37	17.39												
20	256QAM	100	0	17.36	17.42	17.34	19.2	0										
Channel																		
Frequency (MHz)																		
16	QPSK	1	0	18.675	18.800	18.602.5			19.2	0								
16	QPSK	1	0	17.58	17.73	17.38												
16	QPSK	1	37	17.62	17.33	17.65												
16	QPSK	1	74	17.31	17.44	17.49												
16	QPSK	36	0	17.60	17.68	17.42	19.2	0										
16	QPSK	36	25	17.50	17.41	17.61												
16	QPSK	36	39	17.41	17.40	17.37												
16	QPSK	75	0	17.54	17.53	17.63												
16	16QAM	1	74	17.54	17.58	17.50	19.2	0										
16	16QAM	1	37	17.61	17.62	17.69												
16	16QAM	1	74	17.56	17.57	17.49												
16	16QAM	36	0	17.35	17.67	17.42												
16	16QAM	36	20	17.56	17.32	17.38	19.2	0										
16	16QAM	36	29	17.45	17.49	17.38												
16	16QAM	75	0	17.60	17.48	17.65												
16	64QAM	1	0	17.41	17.50	17.48												
16	64QAM	1	37	17.35	17.49	17.59	19.2	0										
16	64QAM	1	74	17.54	17.37	17.51												
16	64QAM	36	0	17.48	17.59	17.51												
16	64QAM	36	39	17.51	17.55	17.45												
16	64QAM	75	0	17.56	17.56	17.67	19.2	0										
16	256QAM	1	0	17.48	17.63	17.63												
16	256QAM	1	37	17.61	17.63	17.47												
16	256QAM	1	74	17.47	17.51	17.57												
16	256QAM	36	0	17.48	17.63	17.63	19.2	0										
16	256QAM	36	20	17.29	17.31	17.47												
16	256QAM	36	39	17.48	17.34	17.33												
16	256QAM	75	0	17.33	17.37	17.25												
Channel																		
Frequency (MHz)																		
10	QPSK	1	0	18.655	18.800	18.655	19.2	0										
10	QPSK	1	25	17.49	17.29	17.67												
10	QPSK	1	49	17.36	17.36	17.47												
10	QPSK	25	0	17.62	17.62	17.42												
10	QPSK	25	12	17.49	17.33	17.49	19.2	0										
10	QPSK	25	25	17.43	17.45	17.37												
10	QPSK	50	0	17.57	17.53	17.48												
10	16QAM	1	0	17.59	17.67	17.41												
10	16QAM	1	25	17.49	17.66	17.65	19.2	0										
10	16QAM	1	49	17.61	17.61	17.49												
10	16QAM	25	0	17.42	17.63	17.47												
10	16QAM	25	12	17.65	17.42	17.51												
10	16QAM	50	0	17.48	17.48	17.48	19.2	0										
10	16QAM	50	0	17.58	17.47	17.60												
10	64QAM	1	0	17.39	17.41	17.46												
10	64QAM	1	25	17.27	17.32	17.39												
10	64QAM	1	49	17.51	17.36	17.46	19.2	0										
10	64QAM	25	0	17.42	17.54	17.30												
10	64QAM	25	12	17.33	17.36	17.46												
10	64QAM	25	25	17.52	17.63	17.46												
10	64QAM	50	0	17.63	17.53	17.66	19.2	0										
10	256QAM	1	0	17.48	17.65	17.65												
10	256QAM	1	25	17.55	17.67	17.47												
10	256QAM	1	49	17.47	17.40	17.49												
10	256QAM	25	0	17.42	17.44	17.44	19.2	0										
10	256QAM	25	12	17.33	17.36	17.46												
10	256QAM	25	25	17.36	17.33	17.59												
10	256QAM	50	0	17.40	17.39	17.29												
Channel																		
Frequency (MHz)																		
5	QPSK	1	0	18.655	18.800	18.655	19.2	0										
5	QPSK	1	12	17.57	17.31	17.60												
5	QPSK	1	24	17.28	17.38	17.52												
5	QPSK	12	0	17.66	17.66	17.46												
5	QPSK	12	7	17.44	17.41	17.50	19.2	0										
5	QPSK	12	13	17.39	17.42	17.47												
5	QPSK	25	0	17.63	17.58	17.49												
5	16QAM	1	0	17.58	17.58	17.42												
5	16QAM	1	12	17.61	17.66	17.62	19.2	0										
5	16QAM	1	24	17.62	17.58	17.55												
5	16QAM	12	0	17.33	17.69	17.47												
5	16QAM	12	7	17.40	17.43	17.49												
5	16QAM	12	13	17.51	17.48	17.57	19.2	0										
5	16QAM	25	0	17.48	17.44	17.63												
5	16QAM	25	12	17.62	17.53	17.53												
5	16QAM	25	25	17.36	17.41	17.37												
5	16QAM	1	24	17.52	17.39	17.41	19.2	0										
5	16QAM	1	48	17.51	17.33	17.53												
5	16QAM	12	7	17.64	17.45	17.52												
5	256QAM	12	13	17.55	17.64	17.64												
5	256QAM	1	0	17.48	17.67	17.49	19.2	0										
5	256QAM	1	12	17.62	17.69	17.69												
5	256QAM	1	24	17.45	17.45	17.45												
5	256QAM	12	0	17.37	17.49	17.49												
5	256QAM	12	0	17.37	17.49	17.49	19.2	0										
5	256QAM	12	0	17.37	17.49	17.49												
5	256QAM	12	13	17.45	17.36	17.41												
5	256QAM	25	0	17.35	17.32	17.39												
Channel																		
Frequency (MHz)																		
3	QPSK	1	0	18.675	18.800	18.675	19.2	0										
3	QPSK	1	0	17.63	17.69	17.47												
3	QPSK	1	8	17.58	17.28	17.66												
3	QPSK	1	16	17.27	17.48	17.47												
3	QPSK	8	0	17.62	17.60	17.43	19.2	0										
3	QPSK	8	4	17.33	17.34	17.55												
3	QPSK	8	8	17.47	17.37	17.43												
3	QPSK	16	0	17.51	17.59	17.62												
3	16QAM	1	0	17.63	17.61	17.61	19.2	0										
3	16QAM	1	8	17.58	17.66	17.66												
3	16QAM	1	16	17.61	17.56	17.53												
3	16QAM	8	0	17.45	17.45	17.45												
3	16QAM	8	8	17.46	17.36	17.44	19.2	0										
3	16QAM	8	8	17.45	17.48	17.61												
3	16QAM	16	0	17.39	17.44	17.51												
3	16QAM	16	8	17.26	17.38	17.37												
3	16QAM	8	0	17.49	17.48	17.48	19.2	0										
3	16QAM	8	8	17.45	17.61	17.61												
3	16QAM	16	0	17.49	17.45	17.59												
3	16QAM	16	8	17.62	17.53	17.55												
3	256QAM	1	0	17.53	17.65	17.60	19.2	0										
3	256QAM	1	8	17.53	17.61	17.61												
3	256QAM	1	16	17.44	17.44	17.49												
3	256QAM	8	0	17.47	17.40	17.38												
3	256QAM	8	8	17.49	17.32	17.49	19.2	0										
3	256QAM	8	8	17.49	17.38	17.34												
3	256QAM	16	0	17.36	17.31	17.34												
3	256QAM	16	8	17.47	17.47	17.47												
Channel																		
Frequency (MHz)																		
1.4	QPSK	1	0	18.677	18.800	18.677.5	19.2	0										
1.4	QPSK	1	0	17.63	17.76	17.48												
1.4	QPSK	1	8	17.58	17.29	17.68												
1.4	QPSK	1	16	17.31	17.42	17.51												
1.4	QPSK	8	0	17.60	17.63	17.41	19.2	0										
1.4	QPSK	8	8	17.47	17.37	17.43												
1.4	QPSK	16	0	17.51	17.59	17.62												
1.4	16QAM	1	0	17.63	17.61	17.61												
1.4	16QAM	1	8	17.58	17.66	17.66	19.2	0										
1.4	16QAM	1	16	17.61	17.56	17.53												
1.4	16QAM	8	0	17.45	17.45	17.45												
1.4	16QAM	8	8	17.46	17.38	17.46												
1.4	16QAM	8	8	17.53	17.51	17.64	19.2	0										
1.4	16QAM	16	0	17.39	17.44	17.51												
1.4	16QAM	16	8	17.30	17.47	17.57												
1.4	16QAM	16	8	17.42	17.40	17.40												
1.4	16QAM	8	0	17.51	17.43	17.39	19.2	0										
1.4	16QAM	8	8	17.49	17.60	17.34												
1.4	16QAM	16	0	17.42	17.42	17.42												
1.4	16QAM	16	8	17.62	17.52	17.42												
1.4	256QAM	1	0	17.62	17.55	17.66	19.2	0										
1.4	256QAM	1	8	17.62	17.52	17.42												
1.4	256QAM	1	16	17.44	17.44	17.58												
1.4	256QAM	8	0	17.38	17.33	17.43												
1.4	256QAM	8	8	17.49	17.32	17.49	19.2	0										
1.4	256QAM	8	8	17.49	17.32	17.49												
1.4	256QAM	16	0	17.31	17.29	17.31												
1.4	256QAM	16	8															

Band 7 Ant0 DS13 Standalone											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power High Ch / Freq.	Power High Ch / Freq.	Turn-up time (sec)	MPR (dB)			
Channel											
				2050	2100	2107					
Frequency (MHz)				2050	2100	2107					
20	QPSK	1	0	18.38	18.38	18.36	19.6	0			
20	QPSK	1	49	18.38	18.40	18.35					
20	QPSK	1	99	18.39	18.49	18.37					
20	QPSK	50	0	18.29	18.32	18.31					
20	QPSK	50	24	18.32	18.35	18.31	19.6	0			
20	QPSK	50	50	18.35	18.39	18.30					
20	QPSK	100	0	18.38	18.50	18.48					
20	16QAM	1	0	18.29	18.39	18.35					
20	16QAM	1	49	18.34	18.41	18.39	19.6	0			
20	16QAM	50	0	18.25	18.20	18.31					
20	16QAM	50	24	18.31	18.32	18.33					
20	16QAM	50	50	18.28	18.47	18.37					
20	16QAM	100	0	18.25	18.41	18.39	19.6	0			
20	64QAM	1	0	18.48	18.50	18.25					
20	64QAM	1	49	18.41	18.50	18.42					
20	64QAM	50	0	18.44	18.57	18.49					
20	64QAM	50	24	18.34	18.31	18.37	19.6	0			
20	64QAM	50	50	18.33	18.52	18.41					
20	64QAM	100	0	18.48	18.41	18.34					
20	256QAM	1	49	18.23	18.35	18.37					
20	256QAM	1	99	18.18	18.46	18.32	19.6	0			
20	256QAM	50	0	18.32	18.48	18.37					
20	256QAM	50	24	18.30	18.15	18.18					
20	256QAM	50	50	18.38	18.38	18.31					
20	256QAM	100	0	18.25	18.20	18.38	19.6	0			
20	256QAM	100	0	18.25	18.20	18.38					
20	256QAM	100	0	18.25	18.20	18.38					
Channel											
Frequency (MHz)				2050.5	2100.5	2107.5	Turn-up time (sec)	MPR (dB)			
18	QPSK	1	0	18.33	18.47	18.24	19.6	0			
18	QPSK	1	37	18.13	18.33	18.21					
18	QPSK	1	74	18.32	18.39	18.41					
18	QPSK	36	0	18.22	18.48	18.20					
18	QPSK	36	20	18.21	18.15	18.19	19.6	0			
18	QPSK	36	39	18.14	18.23	18.46					
18	QPSK	75	0	18.29	18.24	18.36					
18	16QAM	1	0	18.23	18.31	18.10					
18	16QAM	1	37	18.44	18.07	18.16	19.6	0			
18	16QAM	1	74	18.30	18.36	18.37					
18	16QAM	36	0	18.17	18.23	18.08					
18	16QAM	36	20	18.08	18.44	18.14					
18	16QAM	75	0	18.14	18.32	18.24	19.6	0			
18	64QAM	1	0	18.39	18.28	18.13					
18	64QAM	1	37	18.38	18.46	18.30					
18	64QAM	1	74	18.35	18.27	18.35					
18	64QAM	36	0	18.38	18.30	18.35	19.6	0			
18	64QAM	36	39	18.13	18.34	18.13					
18	64QAM	36	39	18.14	18.32	18.44					
18	64QAM	75	0	18.25	18.35	18.30					
18	64QAM	75	0	18.25	18.35	18.30	19.6	0			
18	64QAM	75	0	18.25	18.35	18.30					
18	64QAM	75	0	18.25	18.35	18.30					
18	64QAM	75	0	18.25	18.35	18.30					
18	64QAM	36	20	18.29	18.20	18.32	19.6	0			
18	64QAM	36	39	18.19	18.33	18.37					
18	64QAM	36	39	18.17	18.37	18.24					
18	64QAM	75	0	18.29	18.27	18.24					
18	256QAM	1	0	18.26	18.44	18.24	19.6	0			
18	256QAM	1	37	18.13	18.31	18.19					
18	256QAM	1	74	18.05	18.36	18.23					
18	256QAM	36	0	18.25	18.08	18.13					
18	256QAM	36	20	18.25	18.08	18.13	19.6	0			
18	256QAM	36	39	18.28	18.20	18.18					
18	256QAM	75	0	18.21	18.12	18.14					
Channel											
Frequency (MHz)				2050.5	2100.5	2107.5	Turn-up time (sec)	MPR (dB)			
18	QPSK	1	0	18.24	18.45	18.24	19.6	0			
18	QPSK	1	25	18.21	18.32	18.11					
18	QPSK	1	49	18.25	18.38	18.49					
18	QPSK	25	0	18.31	18.28	18.32					
18	QPSK	25	13	18.24	18.15	18.16	19.6	0			
18	QPSK	25	25	18.15	18.21	18.42					
18	QPSK	8	4	18.31	18.27	18.38					
18	16QAM	1	0	18.19	18.29	18.18					
18	16QAM	1	25	18.48	18.15	18.26	19.6	0			
18	16QAM	1	49	18.10	18.10	18.32					
18	16QAM	25	0	18.17	18.21	18.17					
18	16QAM	25	12	18.09	18.44	18.13					
18	16QAM	36	0	18.12	18.41	18.32	19.6	0			
18	16QAM	50	0	18.18	18.27	18.32					
18	64QAM	1	0	18.39	18.22	18.15					
18	64QAM	1	25	18.35	18.41	18.31					
18	64QAM	1	49	18.24	18.24	18.26	19.6	0			
18	64QAM	25	0	18.38	18.32	18.44					
18	64QAM	25	12	18.22	18.30	18.26					
18	64QAM	25	25	18.22	18.28	18.28					
18	64QAM	50	0	18.34	18.37	18.19	19.6	0			
18	256QAM	1	0	18.31	18.30	18.24					
18	256QAM	1	25	18.12	18.30	18.22					
18	256QAM	36	0	18.11	18.28	18.25					
18	256QAM	36	49	18.25	18.43	18.33	19.6	0			
18	256QAM	25	12	18.23	18.09	18.09					
18	256QAM	25	25	18.20	18.20	18.21					
18	256QAM	50	0	18.15	18.04	18.12					
Channel											
Frequency (MHz)				2050.5	2100.5	2107.5	Turn-up time (sec)	MPR (dB)			
5	QPSK	1	0	18.31	18.43	18.10	19.6	0			
5	QPSK	1	12	18.26	18.34	18.18					
5	QPSK	1	24	18.25	18.36	18.48					
5	QPSK	12	0	18.34	18.36	18.26					
5	QPSK	12	7	18.21	18.09	18.23	19.6	0			
5	QPSK	12	13	18.21	18.24	18.41					
5	QPSK	25	0	18.23	18.45	18.41					
5	16QAM	1	0	18.18	18.24	18.14					
5	16QAM	1	12	18.43	18.11	18.23	19.6	0			
5	16QAM	1	24	18.20	18.09	18.45					
5	16QAM	12	0	18.24	18.18	18.15					
5	16QAM	12	7	18.04	18.36	18.12					
5	16QAM	12	13	18.21	18.38	18.18	19.6	0			
5	16QAM	25	0	18.21	18.32	18.26					
5	64QAM	1	0	18.31	18.31	18.13					
5	64QAM	1	12	18.35	18.38	18.31					
5	64QAM	1	24	18.29	18.29	18.25	19.6	0			
5	64QAM	12	0	18.31	18.31	18.38					
5	64QAM	12	7	18.26	18.27	18.22					
5	64QAM	12	13	18.25	18.38	18.26					
5	64QAM	25	0	18.41	18.26	18.19	19.6	0			
5	256QAM	1	0	18.29	18.30	18.30					
5	256QAM	1	12	18.16	18.42	18.26					
5	256QAM	1	24	18.02	18.33	18.29					
5	256QAM	12	0	18.18	18.36	18.32	19.6	0			
5	256QAM	12	7	18.22	18.09	18.09					

Band 17 Ant0 DS13 Standalone									
BAI [MHz]	Modulation	RB Size	RB Offset	Power [dBm]	Power [dBm]	Power [dBm]	Turn-on [dBm]	MFR [dB]	
Channel									
Frequency [MHz]									
10	QPSK	1	0	23.03	23.12	23.05			
10	QPSK	1	28	23.05	23.03	23.05	24	0	
10	QPSK	12	24	23.05	23.08	23.05			
10	QPSK	25	40	23.00	23.00	23.00			
10	QPSK	26	12	23.04	23.07	23.04	24	0	
10	QPSK	26	18	23.08	23.08	23.08			
10	QPSK	50	0	22.83	23.01	22.91			
10	16QAM	1	0	22.99	22.93	22.96			
10	16QAM	1	28	22.99	22.93	22.96	24	0	
10	16QAM	12	24	22.99	23.02	22.99			
10	16QAM	1	49	23.01	23.00	23.00			
10	16QAM	25	0	22.91	23.22	22.98			
10	16QAM	25	12	22.98	23.20	22.94	24	0	
10	16QAM	25	25	22.98	23.20	22.98			
10	16QAM	50	0	22.93	23.32	22.96			
10	16QAM	50	12	22.98	23.38	22.97	24	0	
10	16QAM	1	26	22.96	23.03	22.93			
10	16QAM	1	49	22.88	22.89	22.96	24	0	
10	16QAM	12	24	22.93	23.01	22.93			
10	16QAM	25	12	22.68	22.67	22.59	24	0	
10	16QAM	25	25	22.66	22.67	22.61			
10	16QAM	50	0	22.61	23.03	22.61			
10	16QAM	1	0	19.72	19.77	19.70			
10	16QAM	1	28	19.80	19.84	19.85	20	4	
10	16QAM	12	24	19.80	19.83	19.80			
10	16QAM	26	0	19.65	19.70	19.63			
10	16QAM	26	12	19.83	19.78	19.74	20	4	
10	16QAM	26	18	19.83	19.87	19.87			
10	16QAM	50	0	19.44	19.74	19.58			
Channel									
Frequency [MHz]									
5	QPSK	1	0	22.96	23.00	23.04			
5	QPSK	1	12	22.94	23.02	22.92	24	0	
5	QPSK	12	24	22.90	23.01	22.73			
5	QPSK	12	24	22.90	22.98	22.91			
5	QPSK	12	7	23.04	23.03	23.00	24	0	
5	QPSK	12	19	22.92	23.07	22.97			
5	QPSK	12	19	22.92	22.98	22.94			
5	QPSK	1	0	22.88	22.92	22.92			
5	16QAM	1	0	22.93	23.01	22.77	24	0	
5	16QAM	1	24	22.87	22.84	22.81			
5	16QAM	12	0	22.91	22.91	22.93			
5	16QAM	12	0	22.90	22.95	22.91	24	0	
5	16QAM	12	13	22.92	22.98	22.96			
5	16QAM	25	0	22.93	22.92	22.93	24	0	
5	16QAM	1	12	22.84	22.75	22.78			
5	16QAM	1	24	22.72	22.87	22.87			
5	16QAM	12	0	22.90	22.48	22.52			
5	16QAM	12	0	22.87	22.41	22.41	24	0	
5	16QAM	12	19	22.51	22.41	22.36			
5	16QAM	25	0	22.94	22.51	22.44			
5	16QAM	25	12	19.68	19.79	19.76	24	0	
5	256QAM	1	12	19.68	19.64	19.71			
5	256QAM	12	1						
5	256QAM	12	1	19.68	19.69	19.64			
5	256QAM	12	7	19.80	19.77	19.87	20	4	
5	256QAM	12	7	19.83	19.71	19.65			
5	256QAM	12	19	19.51	19.54	19.58			
5	256QAM	25	0	19.44	19.74	19.58			

Band 25 Ant0_DS3 Standalone										
BM (MHz)	Modulation	RB Size	RB Config	Power (dBm) Tx Power Tx Power Tx Power	Power (dBm) Tx Power Tx Power Tx Power	Power (dBm) Tx Power Tx Power Tx Power	Transmit Time (ms)	MPR (dB)		
Channel										
20	QPSK	1	0	17.79	17.80	17.80				
20	QPSK	1	49	17.73	17.49	17.77	19.2	0		
20	QPSK	1	98	17.59	17.59	17.59				
20	QPSK	50	0	17.77	17.80	17.80				
20	QPSK	50	24	17.65	17.65	17.65	19.2	0		
20	QPSK	50	49	17.58	17.58	17.58				
20	QPSK	100	0	17.73	17.75	17.75				
20	QPSK	1	0	17.75	17.80	17.80				
20	QPSK	1	49	17.72	17.48	17.76	19.2	0		
20	QPSK	1	98	17.73	17.49	17.78				
20	QPSK	50	24	17.66	17.64	17.75				
20	QPSK	50	49	17.58	17.58	17.58	19.2	0		
20	QPSK	100	0	17.75	17.78	17.78				
20	QPSK	1	0	17.87	17.87	17.88				
20	QPSK	1	49	17.73	17.48	17.76	19.2	0		
20	QPSK	1	98	17.64	17.61	17.68				
20	QPSK	50	24	17.58	17.51	17.58				
20	QPSK	50	49	17.52	17.48	17.50	19.2	0		
20	QPSK	50	100	17.60	17.55	17.54				
20	QPSK	100	0	17.52	17.54	17.47				
Channel										
Frequency (MHz)				180.5	180.5	180.5				
15	QPSK	1	0	17.84	17.77	17.84				
15	QPSK	1	49	17.67	17.41	17.63	19.2	0		
15	QPSK	1	98	17.63	17.63	17.63				
15	QPSK	1	74	17.43	17.50	17.57				
15	QPSK	1	49	17.62	17.70	17.58				
15	QPSK	1	98	17.58	17.58	17.58	19.2	0		
15	QPSK	36	10	17.68	17.48	17.65				
15	QPSK	36	10	17.68	17.48	17.65				
15	QPSK	75	0	17.64	17.69	17.70				
15	QPSK	75	0	17.64	17.65	17.63	19.2	0		
15	QPSK	1	37	17.65	17.76	17.68				
15	QPSK	1	98	17.60	17.76	17.68	19.2	0		
15	QPSK	1	74	17.68	17.56	17.62				
15	QPSK	36	20	17.62	17.45	17.60				
15	QPSK	36	20	17.61	17.44	17.50	19.2	0		
15	QPSK	36	39	17.50	17.52	17.50				
15	QPSK	36	39	17.52	17.45	17.50				
15	QPSK	1	0	17.78	17.59	17.67				
15	QPSK	1	49	17.68	17.49	17.55	19.2	0		
15	QPSK	1	98	17.68	17.49	17.55				
15	QPSK	36	0	17.51	17.62	17.62				
15	QPSK	36	0	17.52	17.62	17.62	19.2	0		
15	QPSK	75	0	17.64	17.54	17.67				
15	QPSK	75	0	17.64	17.54	17.67				
15	QPSK	1	37	17.62	17.68	17.45	19.2	0		
15	QPSK	1	98	17.57	17.60	17.57				
15	QPSK	1	74	17.64	17.54	17.67				
15	QPSK	36	20	17.51	17.50	17.53				
15	QPSK	36	20	17.52	17.45	17.50	19.2	0		
15	QPSK	36	39	17.39	17.39	17.45				
15	QPSK	36	39	17.49	17.51	17.38				
15	QPSK	1	0	17.43	17.43	17.43				
15	QPSK	25	0	17.62	17.60	17.60				
15	QPSK	25	12	17.36	17.40	17.41	19.2	0		
15	QPSK	25	12	17.37	17.38	17.38				
15	QPSK	25	25	17.42	17.42	17.42				
15	QPSK	25	25	17.43	17.43	17.43				
15	QPSK	25	12	17.36	17.40	17.41	19.2	0		
15	QPSK	25	12	17.37	17.38	17.38				
15	QPSK	25	25	17.42	17.42	17.42				
15	QPSK	25	25	17.43	17.43	17.43				
Channel										
Frequency (MHz)				180.5	180.5	180.5				
5	QPSK	1	0	17.87	17.73	17.87				
5	QPSK	1	12	17.65	17.47	17.47	19.2	0		
5	QPSK	1	24	17.47	17.50	17.51				
5	QPSK	12	0	17.42	17.42	17.42				
5	QPSK	12	12	17.54	17.35	17.63				
5	QPSK	12	12	17.49	17.44	17.44	19.2	0		
5	QPSK	12	12	17.48	17.42	17.43				
5	QPSK	1	0	17.83	17.62	17.84				
5	QPSK	1	12	17.61	17.43	17.43	19.2	0		
5	QPSK	1	24	17.45	17.58	17.58				
5	QPSK	12	0	17.41	17.63	17.63				
5	QPSK	12	12	17.48	17.42	17.43	19.2	0		
5	QPSK	12	13	17.49	17.49	17.50				
5	QPSK	25	0	17.63	17.43	17.78				
5	QPSK	25	0	17.63	17.43	17.78				
5	QPSK	1	12	17.24	17.40	17.38	19.2	0		
5	QPSK	1	24	17.49	17.47	17.50				
5	QPSK	12	0	17.68	17.48	17.63				
5	QPSK	12	7	17.68	17.38	17.60				
5	QPSK	12	13	17.59	17.59	17.63				
5	QPSK	12	13	17.49	17.48	17.49	19.2	0		
5	QPSK	25	0	17.47	17.63	17.76				
5	QPSK	25	12	17.60	17.49	17.58	19.2	0		
5	QPSK	25	12	17.59	17.58	17.58				
5	QPSK	12	0	17.37	17.61	17.38				
5	QPSK	12	0	17.39	17.61	17.38	19.2	0		
5	QPSK	12	13	17.45	17.41	17.43				
5	QPSK	25	0	17.38	17.44	17.38				
Channel										
Frequency (MHz)				180.5	180.5	180.5				
3	QPSK	1	0	17.66	17.80	17.84				
3	QPSK	1	8	17.61	17.35	17.64	19.2	0		
3	QPSK	1	16	17.48	17.42	17.48				
3	QPSK	8	0	17.64	17.70	17.63				
3	QPSK	8	8	17.51	17.44	17.62	19.2	0		
3	QPSK	16	0	17.39	17.42	17.43				
3	QPSK	16	0	17.61	17.51	17.68				
3	QPSK	1	0	17.84	17.69	17.84				
3	QPSK	8	0	17.60	17.43	17.63	19.2	0		
3	QPSK	1	8	17.42	17.42	17.42				
3	QPSK	1	16	17.42	17.42	17.42				
3	QPSK	8	0	17.42	17.67	17.42				
3	QPSK	8	8	17.45	17.45	17.45	19.2	0		
3	QPSK	1	16	17.44	17.66	17.72				
3	QPSK	1	8	17.45	17.45	17.45				
3	QPSK	8	0	17.35	17.63	17.35				
3	QPSK	8	8	17.49	17.42	17.38	19.2	0		
3	QPSK	8	8	17.44	17.44	17.44				
3	QPSK	8	8	17.50	17.66	17.65				
3	QPSK	8	8	17.63	17.44	17.63	19.2	0		
3	QPSK	16	0	17.67	17.67	17.67				
3	QPSK	1	0	17.51	17.68	17.64				
3	QPSK	1	8	17.45	17.72	17.45	19.2	0		
3	QPSK	1	16	17.46	17.46	17.46				
3	QPSK	8	0	17.51	17.68	17.57				
3	QPSK	8	8	17.49	17.53	17.35	19.2	0		
3	QPSK	8	8	17.45	17.38	17.45				
3	QPSK	8	8	17.62	17.54	17.62				
3	QPSK	15	0	17.38	17.44	17.38				
Channel										
Frequency (MHz)				180.7	180.7	180.7				
1.4	QPSK	1	0	17.61	17.80	17.88				
1.4	QPSK	1	8	17.56	17.41	17.64	19.2	0		
1.4	QPSK	1	16	17.42	17.42	17.42				
1.4	QPSK	1	8	17.52	17.56	17.52				
1.4	QPSK	3	0	17.66	17.71	17.62				
1.4	QPSK	3	8	17.58	17.41	17.58	19.2	0		
1.4	QPSK	3	16	17.48	17.41	17.41				
1.4	QPSK	1	0	17.59	17.71	17.67				
1.4	QPSK	1	8	17.57	17.70	17.57	19.2	0		
1.4	QPSK	1	16	17.50	17.56	17.58				
1.4	QPSK	8	0	17.70	17.56	17.68				
1.4	QPSK	8	8	17.65	17.73	17.69	19.2	0		
1.4	QPSK	3	1	17.63	17.49	17.68				
1.4	QPSK	3	8	17.48	17.55	17.64				
1.4	QPSK	3	16	17.41	17.41	17.41	19.2	0		
1.4	QPSK	1	0	17.43	17.65	17.43				
1.4	QPSK	1	8	17.41	17.41	17.41				
1.4	QPSK	1	16	17.50	17.48	17.48	19.2	0		
1.4	QPSK	3	0	17.62	17.64	17.62				
1.4	QPSK	3	8	17.47	17.47	17.47				
1.4	QPSK	3	16	17.56	17.55	17.63	19.2	0		
1.4	QPSK	8	0	17.71	17.52	17.80				
1.4	QPSK	8	8	17.63	17.73	17.67				
1.4	QPSK	1	0	17.58	17.74	17.62				
1.4	QPSK	1	8	17.66	17.66	17.63	19.2	0		
1.4	QPSK	1	16	17.59	17.58	17.58				
1.4	QPSK	3	0	17.39	17.41	17.43				
1.4	QPSK	3	8	17.48	17.47	17.38	19.2	0		
1.4	QPSK	3	16	17.46	17.46	17.46				

Band 26 AntD DS13 Standalone												
RF MFR	Modulation	RB Size	RB Offset	Power [dBm]	Power [dBm]	Power [dBm]	Power [dBm]	Turn-on Time [ms]	MFR [MHz]			
Channel												
15	Frequency	1	0	22.88	23.15	22.88						
15	QPRK	1	87	23.02	23.80	23.08						
15	QPRK	1	9	23.01	23.80	23.08		24	0			
15	QPRK	36	0	22.90	23.05	22.90						
15	QPRK	36	8	23.03	23.08	23.01		24	0			
15	QPRK	72	0	23.01	23.08	23.01						
15	QPRK	72	8	23.08	23.05	23.08						
15	HQAM	1	0	22.75	22.78	22.88						
15	HQAM	1	8	22.78	22.78	22.88		24	0			
15	HQAM	1	16	22.80	22.80	22.88						
15	HQAM	1	24	22.78	22.75	22.78						
15	HQAM	36	0	22.96	23.02	23.14						
15	HQAM	36	8	23.13	23.13	23.13		24	0			
15	HQAM	36	16	22.95	22.95	22.92						
15	HQAM	36	24	22.94	22.94	22.92						
15	HQAM	72	0	22.92	22.98	23.04						
15	HQAM	72	8	22.97	22.78	22.88		24	0			
15	HQAM	72	16	22.96	22.97	23.05						
15	HQAM	72	24	23.02	22.98	23.04						
15	HQAM	144	0	22.94	22.94	22.94						
15	HQAM	144	8	22.94	22.94	22.94						
15	HQAM	144	16	22.95	22.95	22.95						
15	HQAM	144	24	22.94	22.95	22.95						
15	HQAM	288	0	22.94	22.95	22.95						
15	HQAM	288	8	22.94	22.95	22.95						
15	HQAM	288	16	22.94	22.95	22.95						
15	HQAM	288	24	22.94	22.95	22.95						
15	HQAM	576	0	22.94	22.95	22.95						
15	HQAM	576	8	22.94	22.95	22.95						
15	HQAM	576	16	22.94	22.95	22.95						
15	HQAM	576	24	22.94	22.95	22.95						
15	HQAM	1152	0	22.83	22.88	22.85						
15	HQAM	1152	8	22.83	22.88	22.85		24	0			
15	HQAM	1152	16	22.83	22.88	22.85						
15	HQAM	1152	24	22.83	22.88	22.85						
15	HQAM	2304	0	22.83	22.88	22.85						
15	HQAM	2304	8	22.83	22.88	22.85		24	0			
15	HQAM	2304	16	22.83	22.88	22.85						
15	HQAM	2304	24	22.83	22.88	22.85						
15	HQAM	4608	0	22.83	22.88	22.85						
15	HQAM	4608	8	22.83	22.88	22.85		24	0			
15	HQAM	4608	16	22.83	22.88	22.85						
15	HQAM	4608	24	22.83	22.88	22.85						
15	HQAM	9216	0	22.83	22.88	22.85						
15	HQAM	9216	8	22.83	22.88	22.85		24	0			
15	HQAM	9216	16	22.83	22.88	22.85						
15	HQAM	9216	24	22.83	22.88	22.85						
15	HQAM	18432	0	22.83	22.88	22.85						
15	HQAM	18432	8	22.83	22.88	22.85		24	0			
15	HQAM	18432	16	22.83	22.88	22.85						
15	HQAM	18432	24	22.83	22.88	22.85						
15	HQAM	36864	0	22.83	22.88	22.85						
15	HQAM	36864	8	22.83	22.88	22.85		24	0			
15	HQAM	36864	16	22.83	22.88	22.85						
15	HQAM	36864	24	22.83	22.88	22.85						
15	HQAM	73728	0	22.83	22.88	22.85						
15	HQAM	73728	8	22.83	22.88	22.85		24	0			
15	HQAM	73728	16	22.83	22.88	22.85						
15	HQAM	73728	24	22.83	22.88	22.85						
15	HQAM	147456	0	22.83	22.88	22.85						
15	HQAM	147456	8	22.83	22.88	22.85		24	0			
15	HQAM	147456	16	22.83	22.88	22.85						
15	HQAM	147456	24	22.83	22.88	22.85						
15	HQAM	294912	0	22.83	22.88	22.85						
15	HQAM	294912	8	22.83	22.88	22.85		24	0			
15	HQAM	294912	16	22.83	22.88	22.85						
15	HQAM	294912	24	22.83	22.88	22.85						
15	HQAM	589824	0	22.83	22.88	22.85						
15	HQAM	589824	8	22.83	22.88	22.85		24	0			
15	HQAM	589824	16	22.83	22.88	22.85						
15	HQAM	589824	24	22.83	22.88	22.85						
15	HQAM	1179648	0	22.83	22.88	22.85						
15	HQAM	1179648	8	22.83	22.88	22.85		24	0			
15	HQAM	1179648	16	22.83	22.88	22.85						
15	HQAM	1179648	24	22.83	22.88	22.85						
15	HQAM	2359296	0	22.83	22.88	22.85						
15	HQAM	2359296	8	22.83	22.88	22.85		24	0			
15	HQAM	2359296	16	22.83	22.88	22.85						
15	HQAM	2359296	24	22.83	22.88	22.85						
15	HQAM	4718592	0	22.83	22.88	22.85						
15	HQAM	4718592	8	22.83	22.88	22.85		24	0			
15	HQAM	4718592	16	22.83	22.88	22.85						
15	HQAM	4718592	24	22.83	22.88	22.85						
15	HQAM	9437184	0	22.83	22.88	22.85						
15	HQAM	9437184	8	22.83	22.88	22.85		24	0			
15	HQAM	9437184	16	22.83	22.88	22.85						
15	HQAM	9437184	24	22.83	22.88	22.85						
15	HQAM	18874368	0	22.83	22.88	22.85						
15	HQAM	18874368	8	22.83	22.88	22.85		24	0			
15	HQAM	18874368	16	22.83	22.88	22.85						
15	HQAM	18874368	24	22.83	22.88	22.85						
15	HQAM	37748736	0	22.83	22.88	22.85						
15	HQAM	37748736	8	22.83	22.88	22.85		24	0			
15	HQAM	37748736	16	22.83	22.88	22.85						
15	HQAM	37748736	24	22.83	22.88	22.85						
15	HQAM	75497472	0	22.83	22.88	22.85						
15	HQAM	75497472	8	22.83	22.88	22.85		24	0			
15	HQAM	75497472	16	22.83	22.88	22.85						
15	HQAM	75497472	24	22.83	22.88	22.85						
15	HQAM	150994944	0	22.83	22.88	22.85						
15	HQAM	150994944	8	22.83	22.88	22.85		24	0			
15	HQAM	150994944	16	22.83	22.88	22.85						
15	HQAM	150994944	24	22.83	22.88	22.85						
15	HQAM	301989888	0	22.83	22.88	22.85						
15	HQAM	301989888	8	22.83	22.88	22.85		24	0			
15	HQAM	301989888	16	22.83	22.88	22.85						
15	HQAM	301989888	24	22.83	22.88	22.85						
15	HQAM	603979776	0	22.83	22.88	22.85						
15	HQAM	603979776	8	22.83	22.88	22.85		24	0			
15	HQAM	603979776	16	22.83	22.88	22.85						
15	HQAM	603979776	24	22.83	22.88	22.85						
15	HQAM	1207959552	0	22.83	22.88	22.85						
15	HQAM	1207959552	8	22.83	22.88	22.85		24	0			
15	HQAM	1207959552	16	22.83	22.88	22.85						
15	HQAM	1207959552	24	22.83	22.88	22.85						
15	HQAM	2415919104	0	22.83	22.88	22.85						
15	HQAM	2415919104	8	22.83	22.88	22.85		24	0			
15	HQAM	2415919104	16	22.83	22.88	22.85						
15	HQAM	2415919104	24	22.83	22.88	22.85						
15	HQAM	4831838208	0	22.83	22.88	22.85						
15	HQAM	4831838208	8	22.83	22.88	22.85		24	0			
15	HQAM	4831838208	16	22.83	22.88	22.85						
15	HQAM	4831838208	24	22.83	22.88	22.85						
15	HQAM	9663676416	0	22.83	22.88	22.85						
15	HQAM	9663676416	8	22.83	22.88	22.85		24	0			
15	HQAM	9663676416	16	22.83	22.88	22.85						
15	HQAM	9663676416	24	22.83	22.88	22.85						
15	HQAM	19327352832	0	22.83	22.88	22.85						
15	HQAM	19327352832	8	22.83	22.88	22.85		24	0			
15	HQAM	19327352832	16	22.83	22.88	22.85						
15	HQAM	19327352832	24	22.83	22.88	22.85						
15	HQAM	38654705664	0	22.83	22.88	22.85						
15	HQAM	38654705664	8	22.83	22.88	22.85		24	0			
15	HQAM	38654705664	16	22.83	22.88	22.85						
15	HQAM	38654705664	24	22.83	22.88	2						

Band 30 Ant0_DS13 Standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power Hsp Ch./Freq.	Turn-up (dB)	APR (dB)	
Frequency (MHz)				2310					
10	QPSK	1	0	18.65	18.65	18.65	19.7	0	
10	QPSK	1	26	18.65	18.65	18.65			
10	QPSK	1	49	18.67	18.67	18.67			
10	QPSK	25	0	18.63	18.63	18.63			
10	QPSK	25	12	18.65	18.65	18.65	19.7	0	
10	QPSK	25	26	18.63	18.63	18.63			
10	QPSK	50	0	18.62	18.62	18.62			
10	16QAM	1	0	18.65	18.65	18.65			
10	16QAM	1	26	17.91	17.91	17.91	19.7	0	
10	16QAM	1	49	17.83	17.83	17.83			
10	16QAM	25	0	18.35	18.35	18.35			
10	16QAM	25	12	18.44	18.44	18.44			
10	16QAM	25	26	18.46	18.46	18.46	19.7	0	
10	16QAM	50	0	18.45	18.45	18.45			
10	16QAM	1	0	18.50	18.50	18.50			
10	84QAM	1	26	18.55	18.55	18.55	19.7	0	
10	84QAM	1	49	18.57	18.57	18.57			
10	84QAM	25	0	18.49	18.49	18.49			
10	84QAM	25	12	18.48	18.48	18.48			
10	84QAM	25	26	18.58	18.58	18.58	19.7	0	
10	84QAM	50	0	18.47	18.47	18.47			
10	256QAM	1	0	17.80	17.80	17.80			
10	256QAM	1	25	17.70	17.70	17.70	19	0.7	
10	256QAM	1	49	17.70	17.70	17.70			
10	256QAM	25	12	17.75	17.75	17.75			
10	256QAM	25	26	17.65	17.65	17.65			
10	256QAM	50	0	17.61	17.61	17.61			
Frequency (MHz)				2765		2775		2775	
5	QPSK	1	0	18.48	18.46	18.40	19.7	0	
5	QPSK	1	12	18.54	18.57	18.58			
5	QPSK	1	26	18.42	18.26	18.35			
5	QPSK	12	0	18.20	18.40	18.46			
5	QPSK	12	7	18.05	18.27	18.45	19.7	0	
5	QPSK	12	13	18.40	18.42	18.40			
5	QPSK	25	0	18.28	18.30	18.46			
5	16QAM	1	0	17.76	17.80	18.33			
5	16QAM	1	12	17.95	17.93	17.87	19.7	0	
5	16QAM	1	26	17.98	17.71	17.75			
5	16QAM	12	0	18.30	18.29	18.58			
5	16QAM	12	7	18.31	18.47	18.59			
5	16QAM	12	13	18.33	18.56	18.46	19.7	0	
5	16QAM	25	0	18.24	18.50	18.49			
5	84QAM	1	0	18.43	18.64	18.51			
5	84QAM	1	12	18.58	18.51	18.40	19.7	0	
5	84QAM	1	26	18.54	18.49	18.52			
5	84QAM	12	0	18.28	18.55	18.27			
5	84QAM	12	7	18.31	18.30	18.45			
5	84QAM	12	13	18.48	18.39	18.38	19.7	0	
5	84QAM	25	0	18.27	18.39	18.44			
5	256QAM	1	0	17.69	17.69	17.69			
5	256QAM	1	12	17.89	17.71	17.71	19	0.7	
5	256QAM	1	26	17.82	17.72	17.67			
5	256QAM	12	7	17.49	17.49	17.56			
5	256QAM	12	7	17.72	17.55	17.55			
5	256QAM	12	13	17.76	17.66	17.62	19	0.7	
5	256QAM	50	0	17.60	17.65	17.62			

Band 66 Ant0_DS13 Standalone												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power Hsp Ch./Freq.	Turn-up (dB)	MPR (dB)				
Channel												
Frequency (MHz)				1720		1720						
20	QPSK	1	0	18.40	18.44	18.60	19.7	0				
20	QPSK	1	49	18.41	18.43	18.43						
20	QPSK	1	99	18.59	18.42	18.53						
20	QPSK	50	0	18.50	18.58	18.51						
20	QPSK	50	24	18.44	18.44	18.42	19.7	0				
20	QPSK	50	50	18.46	18.44	18.48						
20	16QAM	1	0	18.41	18.37	18.39						
20	16QAM	1	49	18.45	18.45	18.46						
20	16QAM	1	99	18.55	18.58	18.49	19.7	0				
20	16QAM	50	0	18.51	18.56	18.59						
20	16QAM	50	24	18.43	18.55	18.51						
20	16QAM	100	0	18.58	18.60	18.41						
20	84QAM	1	0	18.66	18.40	18.42	19.7	0				
20	84QAM	1	49	18.61	18.60	18.45						
20	84QAM	1	99	18.50	18.63	18.51						
20	84QAM	50	0	18.46	18.46	18.46						
20	84QAM	50	24	18.77	18.61	18.53	19.7	0				
20	84QAM	50	50	18.61	18.63	18.52						
20	84QAM	100	0	18.72	18.72	18.72						
Channel												
Frequency (MHz)				1721.5		1721.5						
15	QPSK	1	0	18.53	18.55	18.79	19.7	0				
15	QPSK	1	37	18.56	18.58	18.58						
15	QPSK	1	74	18.78	18.63	18.70						
15	QPSK	36	0	18.67	18.67	18.52						
15	QPSK	36	0	18.41	18.45	18.52	19.7	0				
15	QPSK	36	39	18.45	18.45	18.48						
15	QPSK	75	0	18.59	18.59	18.59						
15	16QAM	1	0	18.45	18.76	18.68						
15	16QAM	1	37	18.65	18.53	18.46	19.7	0				
15	16QAM	1	74	18.66	18.70	18.70						
15	16QAM	36	0	18.71	18.59	18.60						
15	16QAM	36	20	18.56	18.56	18.56						
15	16QAM	75	0	18.55	18.61	18.48	19.7	0				
15	16QAM	75	0	18.55	18.61	18.48						
15	84QAM	1	0	18.71	18.68	18.58						
15	84QAM	1	37	18.64	18.69	18.70						
15	84QAM	1	74	18.68	18.75	18.75	19.7	0				
15	84QAM	36	0	18.71	18.59	18.60						
15	84QAM	36	20	18.56	18.56	18.56						
15	84QAM	36	39	18.47	18.52	18.51						
15	84QAM	75	0	18.56	18.67	18.46	19.7	0				
15	84QAM	75	0	18.55	18.65	18.55						
15	84QAM	75	0	18.55	18.55	18.55						
15	256QAM	1	37	18.79	18.58	18.51						
15	256QAM	1	74	18.71	18.63	18.47	19.7	0				
15	256QAM	1	74	18.66	18.66	18.66						
15	256QAM	36	20	18.51	18.50	18.59						
15	256QAM	36	39	18.79	18.56	18.52						
15	256QAM	75	0	18.76	18.65	18.55	19.7	0				
15	256QAM	75	0	18.76	18.65	18.55						
Channel												
Frequency (MHz)				1330.22		1330.22						
10	QPSK	1	0	18.44	18.44	18.44	19.7	0				
10	QPSK	1	26	18.55	18.55	18.63						
10	QPSK	1	49	18.68	18.44	18.5						
10	QPSK	1	74	18.78	18.63	18.70	19.7	0				
10	QPSK	20	12	18.57	18.46	18.45						
10	QPSK	20	25	18.46	18.69	18.68						
10	QPSK	20	38	18.55	18.65	18.65						
10	16QAM	1	0	18.49	18.73	18.63	19.7	0				
10	16QAM	1	26	18.69	18.56	18.49						
10	16QAM	1	49	18.70	18.72	18.62						
10	16QAM	20	0	18.66	18.58	18.64						
10	16QAM	20	12	18.70	18.67	18.58	19.7	0				
10	16QAM	20	25	18.79	18.67	18.53						
10	16QAM	20	38	18.69	18.59	18.60						
10	16QAM	20	50	18.59	18.59	18.60						
10	16QAM	25	78	18.67	18.42	18.57	19.7	0				
10	16QAM	25	91	18.65	18.76	18.71						
10	16QAM	25	104	18.73	18.68	18.68						
10	16QAM	25	12	18.56	18.40	18.53						
10	16QAM	25	26	18.56	18.71	18.61	19.7	0				
10	16QAM	25	50	18.62	18.62	18.50						
10	256QAM	1	0	18.63	18.63	18.60						
10	256QAM	1	26	18.63	18.63	18.68						
10	256QAM	1	49	18.65	18.65	18.65	19.7	0				
10	256QAM	1	74	18.65	18.65	18.65						
10	256QAM	20	0	18.58	18.60	18.58						
10	256QAM	20	12	18.61	18.68	18.56						
10	256QAM	20	26	18.58	18.68	18.56	19.7	0				
10	256QAM	20	50	18.61	18.68	18.56						
10	256QAM	20	78	18.76	18.65	18.55						
10	256QAM	20	91	18.76	18.65	18.55						
Channel												
Frequency (MHz)				1330.22		1330.22						
5	QPSK	1	0	18.55	18.80	18.69	19.7	0				
5	QPSK	1	12	18.49	18.49	18.59						
5	QPSK	1	25	18.68	18.44	18.5						
5	QPSK	1	49	18.74	18.74	18.73	19.7	0				
5	QPSK	12	7	18.69	18.66	18.48						
5	QPSK	12	19	18.65	18.67	18.49						
5	QPSK	20	0	18.64	18.68	18.47						
5	16QAM	1	0	18.54	18.59	18.47	19.7	0				
5	16QAM	1	12	18.60	18.57	18.48						
5	16QAM	1	25	18.70	18.72	18.47						
5	16QAM	1	49	18.72	18.74	18.53						
5	16QAM	12	7	18.74	18.74	18.73	19.7	0				
5	16QAM	12	19	18.74	18.74	18.73						
5	16QAM	20	0	18.66	18.71	18.64						
5	16QAM	20	12	18.65	18.77	18.65						
5	16QAM	1	12	18.68	18.50	18.72	19.7	0				
5	16QAM	1	25	18.69	18.69	18.69						
5	16QAM	12	0	18.53	18.58	18.44						
5	16QAM	12	7	18.41	18.43	18.58						
5	16QAM	1	12	18.66	18.66	18.57	19.7	0				
5	16QAM	1	25	18.66	18.66	18.57						
5	16QAM	1	49	18.68	18.68	18.68						
5	16QAM	1	74	18.70	18.70	18.70						
5	16QAM	1	24	18.69	18.73	18.75	19.7	0				
5	256QAM	1	0	18.83	18.71	18.78						
5	256QAM	1	12	18.83	18.71	18.78						
5	256QAM	1	24	18.84	18.64	18.64						
5	256QAM	12	0	18.76	18.71	18.78	19.7	0				
5	256QAM	12	13	18.76	18.71	18.78						
5	256QAM	20	0	18.49	18.49	18.67						
5	256QAM	20	13	18.76	18.71	18.78						
Channel												
Frequency (MHz)				1771.5		1771.5						
3	QPSK	1	0	18.57	18.68	18.81	19.7	0				
3	QPSK	1	12	18.49	18.49	18.59						
3	QPSK	1	25	18.68	18.44	18.5						
3	QPSK	1	49	18.74	18.74	18.73	19.7	0				
3	QPSK	1	14	18.66	18.63	18.63						
3	QPSK	8	0	18.54	18.72	18.60						
3	QPSK	8	7	18.65	18.53	18.48						
3	QPSK	8	7	18.43	18.57	18.57	19.7	0				
3	QPSK	16	0	18.58	18.57	18.70						
3	QPSK	16	7	18.68	18.58	18.63						
3	QPSK	1	8	18.57	18.59	18.57						
3	16QAM	1	14	18.72	18.56	18.41	19.7	0				
3	16QAM	1	26	18.71	18.68	18.71						
3	16QAM	1	49	18.48	18.54	18.59						
3	16QAM	1	8	18.48	18.54	18.59						
3	16QAM	7	0	18.67	18.75	18.77	19.7	0				
3	16QAM	7	7	18.68	18.48	18.47						
3	16QAM	1	8	18.75	18.77	18.70						
3	16QAM	1	8	18.60	18.44	18.60						
3	16QAM	1	8	18.43	18.51	18.63	19.7	0				
3	16QAM	1	8	18.43	18.51	18.63						
3	16QAM	16	0	18.56	18.61	18.60						
3	16QAM	16	0	18.60	18.60	18.60						
3	256QAM	1	14	18.72	18.68	18.58	19.7	0				
3	256QAM	1	26	18.73	18.68	18.68						
3	256QAM	1	49	18.59	18.62	18.43						
3	256QAM	1	8	18.78	18.70	18.70						
3	256QAM	8	7	18.64	18.68	18.58	19.7	0				
3	256QAM	8	7	18.64	18.68	18.58						
3	256QAM	8	7	18.64	18.68	18.58						
3	256QAM	8	7	18.64	18.68	18.58						
Channel												
Frequency (MHz)				1771.5		1771.5						
1.4	QPSK	1	0	18.57	18.68	18.81	19.7	0				
1.4	QPSK	1	12	18.49	18.49	18.59						
1.4	QPSK	1	25	18.68	18.44	18.5						
1.4	QPSK	1	49	18.74	18.74	18.73	19.7	0				
1.4	QPSK	1	14	18.66	18.63	18.63						
1.4	QPSK	8	0	18.54	18.72	18.60						
1.4	QPSK	8	7	18.65	18.53	18.48						
1.4	QPSK	8	7	18.43	18.57	18.57	19.7	0				
1.4	QPSK	16	0	18.58	18.57	18.70						
1.4	QPSK	16	7	18.68	18.58	18.63						
1.4	QPSK	1	8	18.57	18.59	18.57						
1.4	16QAM	1	14	18.72	18.56	18.41	19.7	0				
1.4	16QAM	1	26	18.71	18.68	18.71						
1.4	16QAM	1	49	18.48	18.54	18.59						
1.4	16QAM	1	8	18.48	18.54	18.59						
1.4	16QAM	7	0	18.67	18.75	18.77	19.7	0				
1.4	16QAM	7	7	18.68	18.48	18.47						
1.4	16QAM	1	8	18.75	18.77	18.70						
1.4	16QAM	1	8	18.60	18.44	18.60						
1.4	16QAM	1	8	18.43	18.51	18.63	19.7	0				
1.4	16QAM	1	8	18.43	18.51	18.63						
1.4	16QAM	16	0	18.56	18.61	18.60						
1.4	16QAM	16	0	18.60	18.60	18.60						
1.4	256QAM	1	14	18.72	18.68	18.58	19.7	0				
1.4	256QAM	1	26	18.73	18.68	18.68						
1.4	256QAM	1	49	18.59	18.62	18.43						
1.4	256QAM	1	8	18.78	18.70	18.70						
1.4	256QAM	8	7	18.64	18.68	18.58	19.7	0				
1.4	256Q											



Band 2 Ant0 DS13 Simultaneous

BW (MHz)	Modulation	RB Size	RB Offset	Power Min Ch / Freq	Power Max Ch / Freq	Power Min Ch / Freq	Turn-up Time (sec)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	14.09	14.26	14.12			
20	QPSK	1	49	14.04	14.25	14.14	15.7	0	
20	QPSK	1	99	14.07	14.08	13.94			
20	QPSK	50	0	14.00	14.20	14.16			
20	QPSK	50	50	13.84	13.89	13.93	15.7	0	
20	QPSK	100	0	14.11	14.16	14.05			
20	QPSK	100	50	13.97	13.98	13.97			
20	16QAM	1	49	14.16	14.07	14.02	15.7	0	
20	16QAM	1	99	14.13	14.09	14.23			
20	16QAM	1	0	13.92	14.12	14.10			
20	16QAM	50	24	13.93	14.14	13.90	15.7	0	
20	16QAM	50	50	13.89	14.08	14.05			
20	16QAM	100	0	14.12	14.13	14.16			
20	64QAM	1	0	13.96	13.99	14.05			
20	64QAM	1	49	14.03	13.92	13.77	15.7	0	
20	64QAM	1	99	14.02	13.98	13.90			
20	64QAM	50	0	13.88	14.14	13.99			
20	64QAM	50	24	14.07	14.05	14.06	15.7	0	
20	64QAM	100	0	13.89	14.09	14.20			
20	256QAM	1	49	13.97	13.98	13.97			
20	256QAM	1	99	13.94	14.11	13.86	15.7	0	
20	256QAM	1	0	13.78	13.78	13.94			
20	256QAM	50	24	13.85	13.87	13.87			
20	256QAM	50	50	13.93	14.10	13.98	15.7	0	
20	256QAM	100	0	14.01	14.16	13.92			
20	256QAM	100	0	13.83	14.00	14.26			
Channel									
Frequency (MHz)									
15	QPSK	1	0	13.82	13.97	13.87			
15	QPSK	1	37	13.79	13.89	13.79	15.7	0	
15	QPSK	1	74	13.74	13.72	13.66			
15	QPSK	36	0	13.68	13.89	13.84			
15	QPSK	36	39	13.64	13.89	13.95	15.7	0	
15	QPSK	75	0	13.65	13.86	13.78			
15	16QAM	1	1	13.69	13.76	13.77			
15	16QAM	1	37	13.69	13.73	13.69	15.7	0	
15	16QAM	1	74	13.74	14.01	13.86			
15	16QAM	36	20	13.67	13.79	13.85			
15	16QAM	36	20	13.61	13.85	13.89	15.7	0	
15	16QAM	75	0	13.85	13.82	13.92			
15	64QAM	1	0	13.67	13.61	13.73			
15	64QAM	1	37	13.65	13.67	13.74	15.7	0	
15	64QAM	1	74	13.68	13.57	13.70			
15	64QAM	36	0	13.60	13.89	13.67			
15	64QAM	36	39	13.54	13.52	13.58	15.7	0	
15	64QAM	75	0	13.65	13.79	13.88			
15	256QAM	1	37	13.63	13.57	13.76	15.7	0	
15	256QAM	1	74	13.65	13.77	13.67			
15	256QAM	36	20	13.58	13.75	13.72			
15	256QAM	36	20	13.67	13.67	13.65	15.7	0	
15	256QAM	75	0	13.65	13.67	13.74			
Channel									
Frequency (MHz)									
10	QPSK	1	0	13.74	13.89	13.81			
10	QPSK	1	25	13.77	13.86	13.73	15.7	0	
10	QPSK	1	49	13.79	13.73	13.86			
10	QPSK	1	74	13.82	13.86	13.88			
10	QPSK	25	12	13.61	13.68	13.59	15.7	0	
10	QPSK	25	25	13.79	13.62	13.72			
10	QPSK	25	49	13.76	13.62	13.66			
10	16QAM	1	0	13.69	13.64	13.71			
10	16QAM	1	25	13.63	13.73	13.74	15.7	0	
10	16QAM	1	49	13.66	13.81	13.83			
10	16QAM	25	12	13.64	13.67	13.55			
10	16QAM	25	12	13.65	13.74	13.68	15.7	0	
10	16QAM	50	0	13.84	13.89	13.84			
10	16QAM	50	1	13.61	13.68	13.73			
10	64QAM	1	0	13.65	13.53	13.62			
10	64QAM	1	49	13.74	13.61	13.72	15.7	0	
10	64QAM	1	99	13.54	13.60	13.73			
10	64QAM	25	0	13.62	13.62	13.74			
10	64QAM	25	25	13.60	13.55	13.59			
10	64QAM	50	0	13.62	13.62	13.94	15.7	0	
10	256QAM	1	25	13.74	13.85	13.84			
10	256QAM	1	25	13.52	13.70	13.82			
10	256QAM	25	12	13.65	13.84	13.87	15.7	0	
10	256QAM	25	25	13.72	13.67	13.58			
10	256QAM	50	0	13.52	13.77	13.73			
Channel									
Frequency (MHz)									
5	QPSK	1	12	13.77	13.89	13.74	15.7	0	
5	QPSK	1	24	13.75	13.74	13.59			
5	QPSK	1	36	13.68	13.86	13.84			
5	QPSK	12	7	13.63	13.64	13.61	15.7	0	
5	QPSK	12	13	13.81	13.84	13.89			
5	16QAM	1	0	13.65	13.62	13.71			
5	16QAM	1	12	13.85	13.81	13.77	15.7	0	
5	16QAM	1	24	13.68	13.85	13.80			
5	16QAM	12	0	13.64	13.78	13.80			
5	16QAM	12	7	13.61	13.64	13.62	15.7	0	
5	16QAM	12	13	13.64	13.68	13.69			
5	16QAM	25	0	13.79	13.62	13.85			
5	64QAM	1	0	13.69	13.62	13.76	15.7	0	
5	64QAM	1	12	13.73	13.86	13.81			
5	64QAM	1	24	13.75	13.59	13.72			
5	64QAM	12	0	13.62	13.63	13.69	15.7	0	
5	64QAM	12	13	13.73	13.79	13.78			
5	64QAM	12	13	13.62	13.59	13.84			
5	256QAM	1	0	13.62	13.89	13.82			
5	256QAM	1	12	13.62	13.89	13.82	15.7	0	
5	256QAM	1	24	13.60	13.76	13.58			
5	256QAM	12	0	13.72	13.85	13.84			
5	256QAM	12	7	13.74	13.79	13.58	15.7	0	
5	256QAM	12	13	13.74	13.69	13.58			
5	256QAM	25	0	13.65	13.89	13.73			
Channel									
Frequency (MHz)									
3	QPSK	1	0	13.78	13.96	13.81	15.7	0	
3	QPSK	1	8	13.71	13.87	13.72			
3	QPSK	1	14	13.77	13.72	13.80			
3	QPSK	8	0	13.68	13.84	13.83	15.7	0	
3	QPSK	8	4	13.62	13.71	13.80			
3	QPSK	8	7	13.77	13.84	13.76			
3	QPSK	8	15	13.79	13.80	13.70	15.7	0	
3	16QAM	1	0	13.68	13.69	13.71			
3	16QAM	1	8	13.68	13.74	13.69	15.7	0	
3	16QAM	1	14	13.84	13.82	13.87			
3	16QAM	8	0	13.67	13.84	13.79			
3	16QAM	8	4	13.60	13.86	13.72	15.7	0	
3	16QAM	8	15	13.60	13.71	13.69			
3	16QAM	15	0	13.79	13.84	13.88			
3	64QAM	1	0	13.66	13.69	13.76	15.7	0	
3	64QAM	1	8	13.71	13.69	13.63			
3	64QAM	1	14	13.74	13.68	13.74			
3	64QAM	8	0	13.67	13.76	13.79	15.7	0	
3	64QAM	8	7	13.63	13.56	13.82			
3	64QAM	15	0	13.71	13.69	13.63			
3	256QAM	1	0	13.65	13.77	13.58			
3	256QAM	1	8	13.68	13.80	13.70	15.7	0	
3	256QAM	1	14	13.72	13.82	13.80			
3	256QAM	8	0	13.58	13.79	13.69			
3	256QAM	8	4	13.60	13.62	13.68	15.7	0	
3	256QAM	8	15	13.72	13.82	13.80			
3	256QAM	15	0	13.54	13.77	13.80			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	13.81	13.91	13.86	15.7	0	
1.4	QPSK	1	3	13.70	13.90	13.75			
1.4	QPSK	1	5	13.73	13.72	13.67			
1.4	QPSK	3	0	13.68	13.86	13.80	15.7	0	
1.4	QPSK	3	1	13.63	13.68	13.62			
1.4	16QAM	1	0	13.62	13.76	13.67	15.7	0	
1.4	16QAM	1	3	13.77	13.89	13.70			
1.4	16QAM	1	0	13.65	13.71	13.76			
1.4	16QAM	3	0	13.65	13.80	13.69	15.7	0	
1.4	16QAM	3	1	13.79	13.74	13.89			
1.4	16QAM	3	0	13.65	13.62	13.85			
1.4	16QAM	12	1	13.61	13.67	13.69	15.7	0	
1.4	16QAM	1	0	13.60	13.72	13.77			
1.4	16QAM	1	0	13.67	13.63	13.90	15.7	0	
1.4	16QAM	1	0	13.65	13.68	13.82			
1.4	16QAM	1	0	13.71	13.67	13.90			
1.4	64QAM	1	5	13.72	13.67	13.69	15.7	0	
1.4	64QAM	1	12	13.60	13.62	13.77			



Band 12 Ant0 DS13 Simultaneous												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up Int. (dB)	MPR (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.96	23.12	22.96			24	0		
10	QPSK	1	25	23.09	23.10	23.10						
10	QPSK	1	49	23.12	23.13	23.11						
10	QPSK	25	0	23.04	23.12	23.06						
10	QPSK	25	12	23.14	23.09	23.12			24	0		
10	QPSK	25	25	23.14	23.09	22.99						
10	QPSK	50	0	22.96	23.12	23.06						
10	16QAM	1	0	22.99	23.01	23.01						
10	16QAM	1	25	23.04	23.00	23.10			24	0		
10	16QAM	1	49	23.06	23.06	23.10						
10	16QAM	25	0	22.92	22.95	22.40						
10	16QAM	25	12	22.45	22.39	22.46						
10	16QAM	25	25	22.49	22.47	22.52			24	0		
10	16QAM	50	0	22.41	22.37	22.39						
10	64QAM	1	0	22.88	22.87	23.01						
10	64QAM	1	25	23.04	23.12	23.15			24	0		
10	64QAM	1	49	23.08	23.06	23.13						
10	64QAM	25	0	22.52	22.53	22.59						
10	64QAM	25	12	22.63	22.57	22.63				24	0	
10	64QAM	25	25	22.64	22.61	22.70						
10	64QAM	50	0	22.61	22.59	22.60						
10	256QAM	1	0	18.44	18.51	18.41			20	4		
10	256QAM	1	25	18.48	18.54	18.45						
10	256QAM	1	49	18.53	18.53	18.58						
10	256QAM	25	0	18.62	18.62	18.47						
10	256QAM	25	12	18.47	18.54	18.58			20	4		
10	256QAM	25	25	18.52	18.43	18.40						
10	256QAM	50	0	18.26	18.64	18.38						
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.80	23.03	22.77			24	0		
5	QPSK	1	12	23.02	23.04	23.11						
5	QPSK	1	24	22.93	23.08	23.13						
5	QPSK	12	0	22.84	22.99	22.99				24	0	
5	QPSK	12	7	23.09	22.89	22.95						
5	QPSK	12	13	22.95	22.97	22.79						
5	QPSK	25	0	22.82	22.94	22.99			24	0		
5	16QAM	1	0	22.85	22.74	22.93						
5	16QAM	1	12	22.82	22.87	23.00						
5	16QAM	1	24	22.98	23.01	23.12				24	0	
5	16QAM	12	0	22.24	22.15	22.38						
5	16QAM	12	7	22.44	22.40	22.32						
5	16QAM	25	0	22.27	22.17	22.25				24	0	
5	64QAM	1	0	22.72	22.81	22.98						
5	64QAM	1	12	22.98	23.01	23.06						
5	64QAM	1	24	23.00	23.05	23.05				24	0	
5	64QAM	12	0	22.48	22.38	22.42						
5	64QAM	12	7	22.65	22.57	22.65						
5	64QAM	12	13	22.05	22.02	22.48				24	0	
5	64QAM	25	0	22.43	22.52	22.86						
5	256QAM	1	0	18.43	18.51	18.45						
5	256QAM	1	12	18.41	18.51	18.56			20	4		
5	256QAM	1	24	18.44	18.48	18.59						
5	256QAM	12	0	18.33	18.58	18.42						
5	256QAM	12	7	18.43	18.49	18.51				20	4	
5	256QAM	12	13	18.66	18.55	18.34						
5	256QAM	25	0	18.31	18.42	18.49						
Channel												
Frequency (MHz)												
3	QPSK	1	0	22.71	22.74	22.74			24	0		
3	QPSK	1	7	22.82	22.89	23.04						
3	QPSK	1	14	22.92	22.91	22.80						
3	QPSK	8	0	22.96	22.98	22.97				24	0	
3	QPSK	8	7	22.86	22.87	22.92						
3	QPSK	8	7	22.95	22.80	22.84						
3	16QAM	1	0	22.71	22.62	22.87			24	0		
3	16QAM	1	0	22.74	22.62	22.89						
3	16QAM	1	8	22.84	22.80	22.87						
3	16QAM	8	0	22.81	22.88	22.76				24	0	
3	16QAM	8	0	22.16	22.24	22.25						
3	16QAM	8	4	22.28	22.08	22.22						
3	16QAM	8	7	22.37	22.37	22.26				24	0	
3	16QAM	15	0	22.26	22.22	22.10						
3	64QAM	1	0	22.89	22.76	22.87						
3	64QAM	1	8	22.75	22.18	23.00			24	0		
3	64QAM	1	14	22.77	22.88	22.83						
3	64QAM	8	0	22.34	22.21	22.37						
3	64QAM	8	4	22.39	22.40	22.48				24	0	
3	64QAM	8	7	22.41	22.50	22.55						
3	256QAM	1	0	18.43	18.60	18.28						
3	256QAM	1	8	18.42	18.53	18.59			20	4		
3	256QAM	1	14	18.53	18.52	18.44						
3	256QAM	8	0	18.65	18.54	18.55						
3	256QAM	8	4	18.44	18.43	18.36				20	4	
3	256QAM	8	7	18.61	18.29	18.29						
3	256QAM	15	0	18.29	18.61	18.38						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	22.52	22.59	23.11			24	0		
1.4	QPSK	1	3	22.56	23.00	23.15						
1.4	QPSK	1	5	22.90	22.65	23.07						
1.4	QPSK	3	0	22.99	23.01	23.17				24	0	
1.4	QPSK	3	1	22.97	23.04	23.16						
1.4	QPSK	3	3	22.97	23.00	23.12						
1.4	QPSK	6	0	22.86	23.05	23.15				24	0	
1.4	16QAM	1	0	22.94	23.14	23.18						
1.4	16QAM	1	3	22.98	23.05	23.17						
1.4	16QAM	1	6	23.03	23.01	23.13						
1.4	16QAM	3	0	22.76	22.81	22.91			24	0		
1.4	16QAM	3	1	22.77	22.78	22.93						
1.4	16QAM	6	0	22.73	22.73	22.91						
1.4	16QAM	6	0	22.39	22.49	22.38				24	0	
1.4	64QAM	1	0	22.92	22.94	23.12						
1.4	64QAM	1	3	23.01	22.97	23.10						
1.4	64QAM	1	5	22.83	22.91	23.03			24	0		
1.4	64QAM	3	0	22.85	22.63	23.05						
1.4	64QAM	3	2	22.87	22.90	23.04						
1.4	64QAM	3	3	22.86	22.88	23.01				24	0	
1.4	64QAM	6	0	22.90	22.96	22.70						
1.4	256QAM	1	0	18.37	18.58	18.28						
1.4	256QAM	1	3	18.48	18.61	18.53				20	4	
1.4	256QAM	1	5	18.57	18.53	18.50						
1.4	256QAM	3	0	18.35	18.62	18.35						
1.4	256QAM	3	1	18.65	18.57	18.49						
1.4	256QAM	6	0	18.37	18.56	18.36			20	4		
1.4	256QAM	6	0	18.37	18.56	18.50						

Band 13 Ant0 DS13 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up Int. (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.96	23.12	22.96			24
10	QPSK	1	25	23.12	23.12	23.12			
10	QPSK	1	49	22.85	22.85	22.85			
10	QPSK	25	0	22.96	23.12	23.12			
10	QPSK	25	12	23.14	23.09	23.12			24
10	QPSK	25	25	22.63	22.63	22.63			
10	QPSK	50	0	22.92	23.12	23.12			24
10	QPSK	50	12	23.14	23.09	23.12			
10	QPSK	50	25	22.61	22.61	22.61			
10	QPSK	50	0	23.12	23.12	23.12			
10	QPSK	1	0	22.96	23.12	22.96			23
10	QPSK	1	25	23.12	23.12	23.12			
10	QPSK	1	49	22.85	22.85	22.85			
10	QPSK	25	0	22.96	23.12	23.12			
10	QPSK	25	12	23.14	23.09	23.12			23
10	QPSK	25	25	22.61	22.61	22.61			
10	QPSK	50	0	22.92	23.12	23.12			24
10	QPSK	50	12	23.14	23.09	23.12			
10	QPSK	50	25	22.61	22.61	22.61			
10	QPSK	50	0	23.12	23.12	23.12			
10	QPSK	1	0	22.96	23.12	22.96			24
10	QPSK	1	25	23.12	23.12	23.12			
10	QPSK	1	49	22.85	22.85	22.85			
10	QPSK	25	0	22.96	23.12	23.12			
10	QPSK	25	12	23.14	23.09	23.12			23
10	QPSK	25	25	22.61	22.61	22.61			
10	QPSK	50	0	22.92	23.12	23.12			24
10	QPSK	50	12	23.14	23.09	23.12			
10	QPSK	50	25	22.61	22.61	22.61			
10	QPSK	50	0	23.12	23.12	23.12			
10	QPSK	1	0	22.96	23.12	22.96			24
10	QPSK	1	25	23.12	23.12	23.12			
10	QPSK	1	49	22.85	22.85	22.85			
10	QPSK	25	0	22.96	23.12	23.12			
10	QPSK	25	12	23.14	23.09	23.12			23
10	QPSK	25	25	22.61	22.61	22.61			
10	QPSK	50	0	22.92	23.12	23.12			24
10	QPSK	50	12	23.14	23.09	23.12			
10	QPSK	50	25	22.61	22.61	22.61			
10	QPSK	50	0	23.12	23.12	23.12			
10	QPSK	1	0	22.96	23.12	22.96			24
10	QPSK	1	25	23.12	23.12	23.12			
10	QPSK	1	49	22.85	22.85	22.85			
10	QPSK	25	0	22.96	23.12	23.12			
10	QPSK	25	12	23.14	23.09	23.12			23
10	QPSK	25	25	22.61	22.61	22.61			
10	QPSK	50	0	22.92	23.12	23.12			24
10	QPSK	50	12	23.14	23.09	23.12			
10	QPSK	50	25	22.61	22.61	22.61			
10	QPSK	50	0	23.12	23.12	23.12			

Band 25 Ant0 DS33 Simultaneous											
RF (MHz)	Modulation	PRB Size	PRB Offset	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Turn-on (dBm)	MFR (dB)
Channel				26145	26145	26145	26145	26145	26145		
Frequency (MHz)				1887.5	1888	1888	1888	1888	1888		
20	QPSK	1	0	14.00	14.08	14.08	14.08	14.08	14.08	15.7	0
20	QPSK	1	49	-13.87	-13.91	-14.00	-14.00	-14.00	-14.00	15.7	0
20	QPSK	50	24	-13.82	-13.88	-13.87	-13.87	-13.87	-13.87	15.7	0
20	QPSK	50	0	-13.07	-13.03	-13.03	-13.03	-13.03	-13.03	15.7	0
20	QPSK	500	0	-13.30	-13.34	-13.35	-13.35	-13.35	-13.35	15.7	0
20	HQAM	1	0	-13.83	-13.80	-13.81	-13.81	-13.81	-13.81	15.7	0
20	HQAM	1	49	-13.82	-13.87	-13.87	-13.87	-13.87	-13.87	15.7	0
20	HQAM	1	99	-13.86	-13.84	-13.84	-13.84	-13.84	-13.84	15.7	0
20	HQAM	50	24	-13.81	-14.07	-13.96	-13.96	-13.96	-13.96	15.7	0
20	HQAM	50	0	-13.52	-13.47	-13.43	-13.43	-13.43	-13.43	15.7	0
20	HQAM	500	0	-13.89	-13.89	-13.89	-13.89	-13.89	-13.89	15.7	0
20	HQAM	100	0	-13.89	-13.89	-13.87	-13.87	-13.87	-13.87	15.7	0
20	HQAM	100	49	-13.71	-13.50	-13.50	-13.50	-13.50	-13.50	15.7	0
20	HQAM	1	49	-13.70	-13.75	-13.70	-13.70	-13.70	-13.70	15.7	0
20	HQAM	50	50	-13.50	-13.50	-13.50	-13.50	-13.50	-13.50	15.7	0
20	HQAM	50	24	-14.07	-13.81	-13.75	-13.75	-13.75	-13.75	15.7	0
20	HQAM	50	0	-13.76	-13.70	-13.70	-13.70	-13.70	-13.70	15.7	0
20	HQAM	1	99	-13.78	-13.77	-13.84	-13.84	-13.84	-13.84	15.7	0
20	HQAM	50	0	-13.79	-13.87	-13.75	-13.75	-13.75	-13.75	15.7	0
20	HQAM	50	49	-13.77	-13.80	-13.84	-13.84	-13.84	-13.84	15.7	0
20	HQAM	50	50	-13.93	-13.93	-13.82	-13.82	-13.82	-13.82	15.7	0
20	HQAM	100	0	-13.93	-13.89	-13.71	-13.71	-13.71	-13.71	15.7	0
Channel <th>26065</th> <th>26065</th> <th>26065</th> <th>26065</th> <th>26065</th> <th>26065</th> <th>Turn-on (dBm)</th> <th>MFR (dB)</th>				26065	26065	26065	26065	26065	26065	Turn-on (dBm)	MFR (dB)
Frequency (MHz)				1815	1816	1816	1816	1816	1816		
15	QPSK	1	0	-13.96	-14.01	-14.05	-14.05	-14.05	-14.05	15.7	0
15	QPSK	1	49	-13.84	-13.86	-13.86	-13.86	-13.86	-13.86	15.7	0
15	QPSK	1	74	-13.91	-13.76	-13.78	-13.78	-13.78	-13.78	15.7	0
15	QPSK	36	0	-13.91	-14.00	-13.72	-13.72	-13.72	-13.72	15.7	0
15	QPSK	36	39	-13.85	-13.90	-13.84	-13.84	-13.84	-13.84	15.7	0
15	QPSK	36	99	-13.82	-13.82	-13.83	-13.83	-13.83	-13.83	15.7	0
15	QPSK	75	0	-13.84	-13.87	-13.78	-13.78	-13.78	-13.78	15.7	0
15	HQAM	1	0	-13.75	-13.76	-13.75	-13.75	-13.75	-13.75	15.7	0
15	HQAM	1	37	-13.75	-13.82	-13.83	-13.83	-13.83	-13.83	15.7	0
15	HQAM	1	74	-13.92	-13.78	-13.78	-13.78	-13.78	-13.78	15.7	0
15	HQAM	36	0	-13.85	-14.01	-13.80	-13.80	-13.80	-13.80	15.7	0
15	HQAM	36	20	-13.88	-13.78	-13.87	-13.87	-13.87	-13.87	15.7	0
15	HQAM	36	99	-13.81	-13.82	-13.81	-13.81	-13.81	-13.81	15.7	0
15	HQAM	75	0	-13.81	-13.86	-13.80	-13.80	-13.80	-13.80	15.7	0
15	HQAM	1	0	-13.74	-13.74	-13.74	-13.74	-13.74	-13.74	15.7	0
15	HQAM	1	0	-13.80	-13.81	-13.82	-13.82	-13.82	-13.82	15.7	0
15	HQAM	36	0	-13.81	-13.86	-13.86	-13.86	-13.86	-13.86	15.7	0
15	HQAM	36	20	-13.82	-13.82	-13.84	-13.84	-13.84	-13.84	15.7	0
15	HQAM	36	99	-13.85	-13.85	-13.86	-13.86	-13.86	-13.86	15.7	0
15	HQAM	75	0	-13.88	-13.78	-13.83	-13.83	-13.83	-13.83	15.7	0
15	HQAM	100	0	-13.88	-13.88	-13.89	-13.89	-13.89	-13.89	15.7	0
15	HQAM	100	49	-13.70	-13.50	-13.50	-13.50	-13.50	-13.50	15.7	0
15	HQAM	1	37	-13.81	-13.80	-13.82	-13.82	-13.82	-13.82	15.7	0
15	HQAM	1	74	-13.84	-13.84	-13.83	-13.83	-13.83	-13.83	15.7	0
15	HQAM	36	0	-13.86	-13.86	-13.85	-13.85	-13.85	-13.85	15.7	0
15	HQAM	36	20	-13.88	-13.83	-13.84	-13.84	-13.84	-13.84	15.7	0
15	HQAM	36	99	-13.85	-13.83	-13.82	-13.82	-13.82	-13.82	15.7	0
15	HQAM	75	0	-13.86	-13.83	-13.82	-13.82	-13.82	-13.82	15.7	0
15	HQAM	100	0	-13.88	-13.83	-13.85	-13.85	-13.85	-13.85	15.7	0
Channel <th>26065</th> <th>26065</th> <th>26065</th> <th>26065</th> <th>26065</th> <th>26065</th> <th>Turn-on (dBm)</th> <th>MFR (dB)</th>				26065	26065	26065	26065	26065	26065	Turn-on (dBm)	MFR (dB)
Frequency (MHz)				1815	1816	1816	1816	1816	1816		
5	QPSK	1	0	-13.91	-14.01	-14.00	-14.00	-14.00	-14.00	15.7	0
5	QPSK	1	12	-13.84	-13.86	-13.86	-13.86	-13.86	-13.86	15.7	0
5	QPSK	1	24	-13.87	-13.87	-13.87	-13.87	-13.87	-13.87	15.7	0
5	QPSK	12	34	-13.91	-13.84	-13.78	-13.78	-13.78	-13.78	15.7	0
5	QPSK	12	12	-13.77	-13.80	-13.79	-13.79	-13.79	-13.79	15.7	0
5	QPSK	12	34	-13.85	-13.85	-13.85	-13.85	-13.85	-13.85	15.7	0
5	QPSK	16	0	-13.85	-13.85	-13.85	-13.85	-13.85	-13.85	15.7	0
5	HQAM	1	0	-13.76	-13.74	-13.73	-13.73	-13.73	-13.73	15.7	0
5	HQAM	1	12	-13.80	-13.80	-13.80	-13.80	-13.80	-13.80	15.7	0
5	HQAM	1	24	-13.90	-13.76	-13.78	-13.78	-13.78	-13.78	15.7	0
5	HQAM	12	0	-13.75	-14.00	-13.81	-13.81	-13.81	-13.81	15.7	0
5	HQAM	12	34	-13.75	-13.84	-13.83	-13.83	-13.83	-13.83	15.7	0
5	HQAM	12	12	-13.83	-13.83	-13.83	-13.83	-13.83	-13.83	15.7	0
5	HQAM	12	34	-13.85	-13.86	-13.86	-13.86	-13.86	-13.86	15.7	0
5	HQAM	1	24	-13.87	-13.76	-13.81	-13.81	-13.81	-13.81	15.7	0
5	HQAM	12	12	-13.82	-13.82	-13.82	-13.82	-13.82	-13.82	15.7	0
5	HQAM	12	34	-13.83	-13.84	-13.82	-13.82	-13.82	-13.82	15.7	0
5	HQAM	1	0	-13.83	-13.86	-13.86	-13.86	-13.86	-13.86	15.7	0
5	QPSK	1	12	-13.81	-13.86	-13.88	-13.88	-13.88	-13.88	15.7	0
5	QPSK	1	12	-13.88	-13.73	-13.80	-13.80	-13.80	-13.80	15.7	0
5	QPSK	1	0	-13.76	-13.72	-13.71	-13.71	-13.71	-13.71	15.7	0
5	QPSK	12	34	-13.77	-13.76	-13.71	-13.71	-13.71	-13.71	15.7	0
5	QPSK	12	0	-13.82	-13.80	-13.78	-13.78	-13.78	-13.78	15.7	0
5	QPSK	12	12	-13.81	-13.80	-13.80	-13.80	-13.80	-13.80	15.7	0
5	QPSK	12	34	-13.82	-13.83	-13.83	-13.83	-13.83	-13.83	15.7	0
5	QPSK	16	0	-13.85	-13.82	-13.83	-13.83	-13.83	-13.83	15.7	0
Channel <th>26047</th> <th>26047</th> <th>26047</th> <th>26047</th> <th>26047</th> <th>26047</th> <th>Turn-on (dBm)</th> <th>MFR (dB)</th>				26047	26047	26047	26047	26047	26047	Turn-on (dBm)	MFR (dB)
Frequency (MHz)				1850.7	1850	1850	1850.7	1850.7	1850.7		
3	QPSK	1	0	-13.96	-13.99	-14.01	-14.01	-14.01	-14.01	15.7	0
3	QPSK	1	12	-13.84	-13.86	-13.86	-13.86	-13.86	-13.86	15.7	0
3	QPSK	1	14	-13.82	-13.84	-13.84	-13.84	-13.84	-13.84	15.7	0
3	QPSK	8	0	-13.93	-13.96	-13.74	-13.74	-13.74	-13.74	15.7	0
3	QPSK	8	7	-13.85	-13.82	-13.83	-13.83	-13.83	-13.83	15.7	0
3	QPSK	16	0	-13.87	-13.89	-13.86	-13.86	-13.86	-13.86	15.7	0
3	QPSK	16	7	-13.77	-13.74	-13.74	-13.74	-13.74	-13.74	15.7	0
3	HQAM	1	8	-13.75	-13.88	-13.97	-13.97	-13.97	-13.97	15.7	0
3	HQAM	1	14	-13.91	-13.79	-13.78	-13.78	-13.78	-13.78	15.7	0
3	HQAM	8	0	-13.82	-13.82	-13.82	-13.82	-13.82	-13.82	15.7	0
3	HQAM	8	4	-13.86	-13.74	-13.80	-13.80	-13.80	-13.80	15.7	0
3	HQAM	8	4	-13.86	-13.74	-13.80	-13.80	-13.80	-13.80	15.7	0
3	HQAM	8	7	-13.81	-13.85	-13.81	-13.81	-13.81	-13.81	15.7	0
3	HQAM	1	0	-13.85	-13.85	-13.85	-13.85	-13.85	-13.85	15.7	0
3	HQAM	1	0	-13.81	-13.83	-13.80	-13.80	-13.80	-13.80	15.7	0
3	HQAM	8	0	-13.82	-13.82	-13.80	-13.80	-13.80	-13.80	15.7	0
3	HQAM	8	4	-13.81	-13.84	-13.83	-13.83	-13.83	-13.83	15.7	0
3	HQAM	8	4	-13.81	-13.84	-13.83	-13.83	-13.83	-13.83	15.7	0
3	HQAM	16	0	-13.87	-13.71	-13.82	-13.82	-13.82	-13.82	15.7	0
3	HQAM	1	0	-13.86	-13.86	-13.86	-13.86	-13.86	-13.86	15.7	0
3	HQAM	1	0	-13.77	-13.75	-13.71	-13.71	-13.71	-13.71	15.7	0
3	HQAM	1	14	-13.72	-13.71	-13.71	-13.71	-13.71	-13.71	15.7	0
3	HQAM	8	0	-13.85	-13.85	-13.85	-13.85	-13.85	-13.85	15.7	0
3	HQAM	8	7	-13.96	-13.87	-13.77	-13.77	-13.77	-13.77	15.7	0
3	HQAM	16	0	-13.83	-13.83	-13.83	-13.83	-13.83	-13.83	15.7	0
Channel <th>26047</th> <th>26047</th> <th>26047</th> <th>26047</th> <th>26047</th> <th>26047</th> <th>Turn-on (dBm)</th> <th>MFR (dB)</th>				26047	26047	26047	26047	26047	26047	Turn-on (dBm)	MFR (dB)
Frequency (MHz)				1850.7	1850	1850	1850.7	1850.7	1850.7		
1.4	QPSK	1	0	-13.94	-14.03	-14.06	-14.06	-14.06	-14.06	15.7	0
1.4	QPSK	1	12	-13.78	-13.85	-13.87	-13.87	-13.87	-13.87	15.7	0
1.4	QPSK	1	0	-13.87	-13.81	-13.83	-13.83	-13.83	-13.83	15.7	0
1.4	QPSK	3	0	-13.86	-13.87	-13.71	-13.71	-13.71	-13.71	15.7	0
1.4	QPSK	3	0	-13.74	-13.75	-13.71	-13.71	-13.71	-13.71	15.7	0
1.4	QPSK										

Band 26 Ant0 DS3.5 Simultaneous												
BW (MHz)	Modulation	RB Size	RB Count	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	MFR (dB)
Channel				26765	26965	26965	26965	26965	26965	26965	26965	
15	QPSK	1	0	21.81	21.78	21.78	21.78	21.78	21.78	21.78	21.78	
15	QPSK	1	39	21.74	21.76	21.73	21.73	21.73	21.73	21.73	21.73	0
15	QPSK	1	74	21.74	21.74	21.73	21.73	21.73	21.73	21.73	21.73	
15	QPSK	1	109	21.67	21.74	21.68	21.68	21.68	21.68	21.68	21.68	
15	QPSK	36	20	21.73	21.66	21.58	21.58	21.58	21.58	21.58	21.58	0
15	QPSK	75	75	21.81	21.75	21.67	21.67	21.67	21.67	21.67	21.67	
15	QPSK	1	0	21.84	21.74	21.63	21.63	21.63	21.63	21.63	21.63	
15	QPSK	1	74	21.84	21.74	21.63	21.63	21.63	21.63	21.63	21.63	
15	QPSK	1	74	21.82	21.63	21.42	21.42	21.42	21.42	21.42	21.42	
15	QPSK	36	0	21.56	21.79	21.48	21.48	21.48	21.48	21.48	21.48	
15	QPSK	75	20	21.55	21.69	21.52	21.52	21.52	21.52	21.52	21.52	
15	QPSK	36	36	21.41	21.82	21.68	21.68	21.68	21.68	21.68	21.68	
15	QPSK	75	0	21.59	21.72	21.68	21.68	21.68	21.68	21.68	21.68	
15	QPSK	1	0	21.87	21.70	21.63	21.63	21.63	21.63	21.63	21.63	
15	QPSK	1	39	21.57	21.87	21.55	21.55	21.55	21.55	21.55	21.55	
15	QPSK	1	74	21.57	21.85	21.57	21.57	21.57	21.57	21.57	21.57	
15	QPSK	1	74	21.56	21.85	21.56	21.56	21.56	21.56	21.56	21.56	
15	QPSK	36	20	21.51	21.71	21.68	21.68	21.68	21.68	21.68	21.68	
15	QPSK	36	36	21.64	21.71	21.74	21.74	21.74	21.74	21.74	21.74	
15	QPSK	75	0	21.56	21.80	21.54	21.54	21.54	21.54	21.54	21.54	
15	QPSK	1	0	19.44	19.79	19.95	19.95	19.95	19.95	19.95	19.95	
15	QPSK	1	39	19.58	19.59	19.85	19.85	19.85	19.85	19.85	19.85	
15	QPSK	1	74	19.63	19.63	19.85	19.85	19.85	19.85	19.85	19.85	
15	QPSK	36	0	19.44	19.79	19.95	19.95	19.95	19.95	19.95	19.95	
15	QPSK	36	20	19.63	19.54	19.82	19.82	19.82	19.82	19.82	19.82	
15	QPSK	75	0	19.70	19.61	19.85	19.85	19.85	19.85	19.85	19.85	
15	QPSK	75	0	19.55	19.85	19.85	19.85	19.85	19.85	19.85	19.85	
Channel				26765	26965	26965	26965	26965	26965	26965	26965	
10	QPSK	1	0	21.68	21.77	21.68	21.68	21.68	21.68	21.68	21.68	
10	QPSK	1	26	21.62	21.68	21.67	21.67	21.67	21.67	21.67	21.67	
10	QPSK	1	49	21.63	21.58	21.64	21.64	21.64	21.64	21.64	21.64	
10	QPSK	1	74	21.63	21.58	21.64	21.64	21.64	21.64	21.64	21.64	
10	QPSK	1	109	21.56	21.65	21.62	21.62	21.62	21.62	21.62	21.62	
10	QPSK	36	20	21.65	21.62	21.53	21.53	21.53	21.53	21.53	21.53	
10	QPSK	1	0	21.65	21.62	21.53	21.53	21.53	21.53	21.53	21.53	
10	QPSK	1	26	21.64	21.58	21.62	21.62	21.62	21.62	21.62	21.62	
10	QPSK	1	49	21.65	21.53	21.42	21.42	21.42	21.42	21.42	21.42	
10	QPSK	1	74	21.65	21.53	21.42	21.42	21.42	21.42	21.42	21.42	
10	QPSK	1	109	21.58	21.67	21.64	21.64	21.64	21.64	21.64	21.64	
10	QPSK	36	20	21.54	21.63	21.53	21.53	21.53	21.53	21.53	21.53	
10	QPSK	75	75	21.68	21.62	21.42	21.42	21.42	21.42	21.42	21.42	
10	QPSK	1	0	21.68	21.77	21.68	21.68	21.68	21.68	21.68	21.68	
10	QPSK	1	26	21.62	21.68	21.67	21.67	21.67	21.67	21.67	21.67	
10	QPSK	1	49	21.63	21.58	21.64	21.64	21.64	21.64	21.64	21.64	
10	QPSK	1	74	21.63	21.58	21.64	21.64	21.64	21.64	21.64	21.64	
10	QPSK	1	109	21.56	21.65	21.62	21.62	21.62	21.62	21.62	21.62	
10	QPSK	36	20	21.65	21.62	21.53	21.53	21.53	21.53	21.53	21.53	
10	QPSK	75	75	21.68	21.62	21.42	21.42	21.42	21.42	21.42	21.42	
10	QPSK	1	0	21.68	21.77	21.68	21.68	21.68	21.68	21.68	21.68	
10	QPSK	1	26	21.62	21.68	21.67	21.67	21.67	21.67	21.67	21.67	
10	QPSK	1	49	21.63	21.58	21.64	21.64	21.64	21.64	21.64	21.64	
10	QPSK	1	74	21.63	21.58	21.64	21.64	21.64	21.64	21.64	21.64	
10	QPSK	1	109	21.56	21.65	21.62	21.62	21.62	21.62	21.62	21.62	
10	QPSK	36	20	21.65	21.62	21.53	21.53	21.53	21.53	21.53	21.53	
10	QPSK	75	75	21.68	21.62	21.42	21.42	21.42	21.42	21.42	21.42	
10	QPSK	1	0	21.68	21.77	21.68	21.68	21.68	21.68	21.68	21.68	
10	QPSK	1	26	21.62	21.68	21.67	21.67	21.67	21.67	21.67	21.67	
10	QPSK	1	49	21.63	21.58	21.64	21.64	21.64	21.64	21.64	21.64	
10	QPSK	1	74	21.63	21.58	21.64	21.64	21.64	21.64	21.64	21.64	
10	QPSK	1	109	21.56	21.65	21.62	21.62	21.62	21.62	21.62	21.62	
10	QPSK	36	20	21.65	21.62	21.53	21.53	21.53	21.53	21.53	21.53	
10	QPSK	75	75	21.68	21.62	21.42	21.42	21.42	21.42	21.42	21.42	
10	QPSK	1	0	21.68	21.77	21.68	21.68	21.68	21.68	21.68	21.68	
10	QPSK	1	26	21.62	21.68	21.67	21.67	21.67	21.67	21.67	21.67	
10	QPSK	1	49	21.63	21.58	21.64	21.64	21.64	21.64	21.64	21.64	
10	QPSK	1	74	21.63	21.58	21.64	21.64	21.64	21.64	21.64	21.64	
10	QPSK	1	109	21.56	21.65	21.62	21.62	21.62	21.62	21.62	21.62	
10	QPSK	36	20	21.65	21.62	21.53	21.53	21.53	21.53	21.53	21.53	
10	QPSK	75	75	21.68	21.62	21.42	21.42	21.42	21.42	21.42	21.42	
10	QPSK	1	0	21.68	21.77	21.68	21.68	21.68	21.68	21.68	21.68	
10	QPSK	1	26	21.62	21.68	21.67	21.67	21.67	21.67	21.67	21.67	
10	QPSK	1	49	21.63	21.58	21.64	21.64	21.64	21.64	21.64	21.64	
10	QPSK	1	74	21.63	21.58	21.64	21.64	21.64	21.64	21.64	21.64	
10	QPSK	1	109	21.56	21.65	21.62	21.62	21.62	21.62	21.62	21.62	
10	QPSK	36	20	21.65	21.62	21.53	21.53	21.53	21.53	21.53	21.53	
10	QPSK	75	75	21.68	21.62	21.42	21.42	21.42	21.42	21.42	21.42	
10	QPSK	1	0	21.68	21.77	21.68	21.68	21.68	21.68	21.68	21.68	
10	QPSK	1	26	21.62	21.68	21.67	21.67	21.67	21.67	21.67	21.67	
10	QPSK	1	49	21.63	21.58	21.64	21.64	21.64	21.64	21.64	21.64	
10	QPSK	1	74	21.63	21.58	21.64	21.64	21.64	21.64	21.64	21.64	
10	QPSK	1	109	21.56	21.65	21.62	21.62	21.62	21.62	21.62	21.62	
10	QPSK	36	20	21.65	21.62	21.53	21.53	21.53	21.53	21.53	21.53	
10	QPSK	75	75	21.68	21.62	21.42	21.42	21.42	21.42	21.42	21.42	
10	QPSK	1	0	21.68	21.77	21.68	21.68	21.68	21.68	21.68	21.68	
10	QPSK	1	26	21.62	21.68	21.67	21.67	21.67	21.67	21.67	21.67	
10	QPSK	1	49	21.63	21.58	21.64	21.64	21.64	21.64	21.64	21.64	
10	QPSK	1	74	21.63	21.58	21.64	21.64	21.64	21.64	21.64	21.64	
10	QPSK	1	109	21.56	21.65	21.62	21.62	21.62	21.62	21.62	21.62	
10	QPSK	36	20	21.65	21.62	21.53	21.53	21.53	21.53	21.53	21.53	
10	QPSK	75	75	21.68	21.62	21.42	21.42	21.42	21.42	21.42	21.42	
10	QPSK	1	0	21.68	21.77	21.68	21.68	21.68	21.68	21.68	21.68	
10	QPSK	1	26	21.62	21.68	21.67	21.67	21.67	21.67	21.67	21.67	
10	QPSK	1	49	21.63	21.58	21.64	21.64	21.64	21.64	21.64	21.64	
10	QPSK	1	74	21.63	21.58	21.64	21.64	21.64	21.64	21.64	21.64	
10	QPSK	1	109	21.56	21.65	21.62	21.62	21.62	21.62	21.62	21.62	
10	QPSK	36	20	21.65	21.62	21.53	21.53	21.53	21.53	21.53	21.53	
10	QPSK	75	75	21.68	21.62	21.42	21.42	21.42	21.42	21.42	21.42	
10	QPSK	1	0	21.68	21.77	21.68	21.68	21.68	21.68	21.68	21.68	
10	QPSK	1	26	21.62	21.68	21.67	21.67	21.67	21.67	21.67	21.67	
10	QPSK	1	49	21.63	21.58	21.64	21.64	21.64	21.64	21.64	21.64	
10	QPSK	1	74	21.63	21.58	21.64	21.64	21.64	21.64	21.64	21.64	
10	QPSK	1	109	21.56	21.65	21.62	21.62	21.62	21.62	21.62	21.62	
10	QPSK	36	20	21.65	21.62	21.53	21.53	21.53	21.53	21.53	21.53	
10	QPSK	75	75	21.68	21.62	21.42	21.42	21.42	21.42	21.42	21.42	
10	QPSK	1	0	21.68	21.77	21.68	21.68	2				

Band 30 Ant0 DS3 Simultaneous									
BW (MHz)	Modulation	PRB Size	PRB Offset	Power Level Ch. 1 (dBm)	Power Level Mod. 1 (dBm)	Power Level Ch. 2 (dBm)	Turn-on rate (dBm)	MFR (dB)	
Channel									
Frequency (MHz)				2710	2710				
5	QPSK	1	0	14.56	14.56		15.0	0	
10	QPSK	1	28	14.56	14.56				
5	QPSK	1	49	14.56	14.56				
10	QPSK	25	0	14.53	14.53		15.0	0	
10	QPSK	25	12	14.53	14.53				
10	QPSK	25	25	14.53	14.53				
10	QPSK	50	0	14.50	14.50		15.0	0	
10	QPSK	1	0	14.12	14.12				
5	QPSK	1	25	13.91	13.91		15.0	0	
10	QPSK	1	49	14.01	14.01				
10	QPSK	25	0	14.35	14.35				
10	QPSK	25	12	14.44	14.44		15.0	0	
10	QPSK	25	25	14.48	14.48				
10	QPSK	50	0	14.45	14.45		15.0	0	
10	QPSK	1	0	14.00	14.00				
10	QPSK	25	0	14.55	14.55		15.0	0	
10	QPSK	1	49	14.51	14.51				
10	QPSK	25	0	14.49	14.49				
10	QPSK	25	12	14.49	14.49		15.0	0	
10	QPSK	25	25	14.58	14.58				
10	QPSK	50	0	14.47	14.47				
10	QPSK	1	25	14.50	14.50		15.0	0	
10	25QPSK	1	28	14.40	14.40		15.0	0	
10	25QPSK	1	49	14.40	14.40				
10	25QPSK	25	0	14.38	14.38		15.0	0	
10	25QPSK	25	12	14.43	14.43				
10	25QPSK	25	25	14.45	14.45				
10	25QPSK	50	0	14.31	14.31		15.0	0	
Channel									
Frequency (MHz)				2765	2770	2775	Turn-on rate (dBm)	MFR (dB)	
5	QPSK	1	0	14.50	14.50	14.48	15.0	0	
5	QPSK	1	12	14.64	14.61	14.64			
5	QPSK	1	24	14.47	14.29	14.37			
5	QPSK	1	36	14.30	14.05	14.34			
5	QPSK	12	7	14.58	14.34	14.53	15.0	0	
5	QPSK	12	19	14.47	14.45	14.51			
5	QPSK	25	0	14.39	14.34	14.49			
5	QPSK	1	0	13.84	13.75	13.97			
5	QPSK	1	12	13.99	13.99	13.97	15.0	0	
5	QPSK	1	24	14.10	13.80	13.70			
5	QPSK	12	0	14.44	14.48	14.58			
5	QPSK	12	7	14.42	14.59	14.63	15.0	0	
5	QPSK	12	19	14.61	14.61	14.60			
5	QPSK	25	0	14.24	14.56	14.49			
5	QPSK	1	0	14.49	14.07	14.54			
5	QPSK	1	12	14.61	14.44	14.44	15.0	0	
5	QPSK	12	0	14.54	14.68	14.71			
5	QPSK	12	5	14.29	14.68	14.27			
5	QPSK	12	19	14.44					
5	QPSK	25	0	14.35	14.46	14.45			
5	QPSK	1	0	14.42	14.03	14.50			
5	25QPSK	1	12	14.55	14.54	14.58	15.0	0	
5	25QPSK	1	24	14.37	14.04	14.48			
5	25QPSK	1	36	14.36	14.36	14.47			
5	25QPSK	12	7	14.82	14.68	14.68	15.0	0	
5	25QPSK	12	19	14.70	14.60	14.66			

Band 66 Ant0_DSI3 Simultaneous														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. 150072	Power Middle Ch./Freq. 150132	Power High Ch./Freq. 150192	Tune-up (ms)	MFR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	15.01	15.15	15.08	16.2	0						
20	QPSK	1	49	14.98	15.09	14.98								
20	QPSK	1	99	15.03	14.91	14.88								
20	QPSK	50	0	14.97	15.05	15.05								
20	QPSK	50	24	14.95	15.01	14.98	16.2	0						
20	QPSK	50	50	14.88	14.91	14.85								
20	QPSK	100	0	14.98	15.03	14.99								
20	16QAM	1	0	15.05	15.05	14.98								
20	16QAM	1	49	14.92	15.00	15.03	16.2	0						
20	16QAM	1	99	14.93	14.73	14.83								
20	16QAM	50	0	14.79	14.95	14.99								
20	16QAM	50	24	14.85	14.89	14.81								
20	16QAM	50	50	15.07	15.04	14.99	16.2	0						
20	16QAM	100	0	14.87	14.85	14.85								
20	64QAM	1	0	15.00	15.00	15.00								
20	64QAM	1	49	14.99	14.92	15.04								
20	64QAM	1	99	15.01	15.01	15.03	16.2	0						
20	64QAM	50	0	14.98	14.93	14.98								
20	64QAM	50	24	14.96	14.93	14.98								
20	64QAM	50	50	14.91	14.85	15.01								
20	64QAM	100	0	15.00	14.90	14.85	16.2	0						
20	256QAM	1	0	14.83	14.83	14.81								
20	256QAM	1	49	14.79	14.78	15.02								
20	256QAM	1	99	14.73	14.83	14.74								
20	256QAM	50	0	14.94	14.94	14.84	16.2	0						
20	256QAM	50	24	14.84	14.84	15.02								
20	256QAM	50	50	14.77	14.72	14.80								
20	256QAM	100	0	14.85	14.72	15.00								
Channel														
Frequency (MHz)														
15	QPSK	1	0	14.88	15.01	14.95	16.2	0						
15	QPSK	1	37	14.81	14.89	14.75								
15	QPSK	1	74	14.93	14.83	14.79								
15	QPSK	36	0	14.91	15.01	14.80								
15	QPSK	36	20	14.81	14.81	14.80	16.2	0						
15	QPSK	36	39	14.76	14.83	14.70								
15	QPSK	75	0	14.91	14.89	14.80								
15	16QAM	1	1	14.90	14.90	14.84								
15	16QAM	1	37	14.78	14.95	14.95	16.2	0						
15	16QAM	1	74	14.83	14.85	14.75								
15	16QAM	36	0	14.64	14.82	14.84								
15	16QAM	36	20	14.79	14.80	14.73								
15	16QAM	75	0	14.78	14.79	14.73	16.2	0						
15	64QAM	1	0	14.93	15.01	15.03								
15	64QAM	1	37	14.84	14.85	14.80								
15	64QAM	1	74	15.03	14.89	14.95								
15	64QAM	36	0	14.88	14.91	14.94	16.2	0						
15	64QAM	36	20	14.82	14.86	14.86								
15	64QAM	36	39	14.80	14.81	14.80								
15	64QAM	75	0	14.87	14.78	14.73								
15	256QAM	1	0	14.73	14.75	14.85	16.2	0						
15	256QAM	1	37	14.68	14.80	14.94								
15	256QAM	1	74	14.83	14.74	14.62								
15	256QAM	36	0	14.87	14.87	14.75								
15	256QAM	36	20	14.83	14.75	14.80	16.2	0						
15	256QAM	36	39	14.66	14.61	14.72								
15	256QAM	75	0	14.74	14.85	14.68								
Channel														
Frequency (MHz)														
10	QPSK	1	0	14.83	15.00	14.80	16.2	0						
10	QPSK	1	25	14.87	14.98	14.75								
10	QPSK	1	49	14.89	14.84	14.82								
10	QPSK	25	0	14.89	14.95	14.86								
10	QPSK	25	12	14.87	15.00	14.86	16.2	0						
10	QPSK	25	25	14.78	14.77	14.76								
10	QPSK	50	0	14.89	14.87	14.88								
10	16QAM	1	0	14.92	14.90	14.84								
10	16QAM	1	25	14.82	14.91	14.97	16.2	0						
10	16QAM	1	49	14.81	14.86	14.77								
10	16QAM	25	0	14.73	14.80	14.83								
10	16QAM	25	12	14.77	14.78	14.67								
10	16QAM	50	0	14.88	14.88	14.81	16.2	0						
10	16QAM	50	0	14.76	14.70	14.68								
10	64QAM	1	0	14.88	15.00	14.95								
10	64QAM	1	25	14.85	14.87	14.80								
10	64QAM	1	49	15.03	14.80	14.91	16.2	0						
10	64QAM	25	0	14.93	14.90	14.90								
10	64QAM	25	12	14.89	14.82	14.82								
10	64QAM	25	25	14.76	14.87	14.94								
10	64QAM	50	0	14.90	14.93	14.70	16.2	0						
10	256QAM	1	0	14.71	14.75	14.83								
10	256QAM	1	25	14.72	14.68	14.86								
10	256QAM	1	49	14.60	14.73	14.82								
10	256QAM	25	0	14.85	14.85	14.77	16.2	0						
10	256QAM	25	12	14.88	14.78	14.91								
10	256QAM	25	25	14.66	14.62	14.86								
10	256QAM	50	0	14.73	14.62	14.83								
Channel														
Frequency (MHz)														
5	QPSK	1	0	14.83	15.00	14.80	16.2	0						
5	QPSK	1	12	14.80	15.02	14.83								
5	QPSK	1	24	14.93	14.84	14.78								
5	QPSK	12	0	14.84	14.88	14.81								
5	QPSK	12	7	14.85	14.90	14.82	16.2	0						
5	QPSK	12	13	14.76	14.80	14.72								
5	QPSK	25	0	14.85	14.85	14.87								
5	16QAM	1	0	14.95	14.97	14.84								
5	16QAM	1	12	14.85	14.88	14.80	16.2	0						
5	16QAM	1	24	14.85	14.87	14.75								
5	16QAM	12	0	14.69	14.88	14.80								
5	16QAM	12	7	14.72	14.83	14.75								
5	16QAM	12	13	14.90	14.86	14.81	16.2	0						
5	64QAM	1	0	14.70	14.70	14.68								
5	64QAM	1	12	14.78	14.77	14.75								
5	64QAM	25	0	14.90	14.90	14.89								
5	64QAM	1	12	14.87	14.88	14.85	16.2	0						
5	64QAM	1	24	14.97	14.82	14.89								
5	64QAM	12	0	14.92	14.94	14.91								
5	64QAM	12	7	14.91	14.88	14.85								
5	64QAM	12	13	14.78	14.92	14.92	16.2	0						
5	64QAM	25	0	14.91	14.70	14.74								
5	256QAM	1	0	14.70	14.72	14.80								
5	256QAM	1	12	14.70	14.71	14.93								
Channel														
Frequency (MHz)														
3	QPSK	1	0	14.83	15.00	14.80	16.2	0						
3	QPSK	1	12	14.80	15.02	14.83								
3	QPSK	1	24	14.93	14.84	14.78								
3	QPSK	1	14	14.93	14.82	14.77								
3	QPSK	8	0	14.85	14.97	14.88	16.2	0						
3	QPSK	8	7	14.80	14.90	14.84								
3	QPSK	8	7	14.76	14.94	14.79								
3	QPSK	16	0	14.90	14.88	14.91								
3	QPSK	16	0	14.90	14.88	14.91	16.2	0						
3	QPSK	16	0	14.90	14.88	14.91								
3	QPSK	8	8	14.79	14.95	14.95								
3	16QAM	1	14	14.80	14.84	14.72								
3	16QAM	1	8	14.79	14.85	14.73	16.2	0						
3	16QAM	8	4	14.76	14.77	14.67								
3	16QAM	8	7	14.95	14.93	14.91								
3	16QAM	8	7	14.95	14.74	14.86								
3	16QAM	1	0	14.91	15.02	15.00	16.2	0						
3	16QAM	1	8	14.85	14.80	14.91								
3	16QAM	1	8	14.85	14.80	14.91								
3	16QAM	8	4	14.91	14.83	14.88								
3	16QAM	8	4	14.79	14.84	14.74	16.2	0						
3	16QAM	16	0	14.86	14.83	14.80								
3	16QAM	1	0	14.72	14.73	14.67								
3	16QAM	1	8	14.78	14.81	14.74								
3	16QAM	1	14	14.67	14.71	14.69	16.2	0						
3	16QAM	1	8	14.75	14.75	14.64								
3	16QAM	8	4	14.87	14.77	14.68								
3	256QAM	8	7	14.68	14.67	14.68								
3	256QAM	8	7	14.65	14.65	14.65	16.2	0						
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	14.95	15.00	14.90			16.2	0				
1.4	QPSK	1	0	14.97	15.00	14.77								
1.4	QPSK	1	8	14.93	15.04	14.97								
1.4	QPSK	1	8	14.90	14.98	14.90								
1.4	QPSK	3	0	14.90	14.98	14.93	16.2	0						
1.4	QPSK	3	3	14.76	14.78	14.76								
1.4	QPSK	3	3	14.92	14.90	14.88								
1.4	16QAM	1	0	15.00	15.00	14.91								
1.4	16QAM	1	3	14.84	14.83	14.85	16.2	0						
1.4	16QAM	1	3	14.82	14.83	14.78								
1.4	16QAM	3	0	14.74	14.90	14.95								
1.4	16QAM	3	3	14.78	14.82	14.74								
1.4	16QAM	1	0	14.85	14.96	14.96	16.2	0						
1.4	16QAM	1	3	14.80	14.88	14.88								
1.4	16QAM	1	3	14.92	14.90	14.88								
1.4	16QAM	3	0	14.87	14.95	14.94								
1.4	16QAM	3	0	14.85	14.94	14.97	16.2	0						
1.4	16QAM	3	3	14.80	14.88	14.87								
1.4	16QAM	3	3	14.85	14.89	14.88								
1.4	16QAM	3	3	14.90	14.84	14.79								
1.4	16QAM	3	3	14.87	14.75	14.74	16.2	0						
1.4	16QAM	3	3	14.87	14.71	14.69								
1.4	16QAM	3	3	14.97	14.88	14.78								
1.4	16QAM	3	3	14.87	14.72	14.70								
1.4	16QAM	3	3	14.90	14.88	14.78	16.2							



Band 38 Ant0 DS13 Standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPE (dB)	
Channel									
Frequency (MHz)				37950	38050	38150			
20	QPSK	1	0	20.70	20.73	20.80	21.1	0	
20	QPSK	1	48	20.54	20.48	20.44			
20	QPSK	1	96	20.56	20.60	20.56			
20	QPSK	50	0	20.53	20.59	20.42			
20	QPSK	50	24	20.58	20.46	20.44	21.1	0	
20	QPSK	50	48	20.58	20.57	20.56			
20	QPSK	100	0	20.52	20.51	20.54			
20	HQAM	1	0	20.58	20.42	20.87	21.1	0	
20	HQAM	1	48	20.57	20.49	20.59			
20	HQAM	1	96	20.82	20.59	20.54			
20	HQAM	50	24	20.58	20.57	20.45	21.1	0	
20	HQAM	50	48	20.58	20.57	20.45			
20	HQAM	50	96	20.48	20.62	20.47			
20	HQAM	100	0	20.45	20.49	20.58			
20	BAGAM	1	0	20.59	20.51	20.47	21.1	0	
20	BAGAM	1	48	20.58	20.47	20.51			
20	BAGAM	1	96	20.48	20.49	20.53			
20	BAGAM	50	0	20.51	20.53	20.48			
20	BAGAM	50	24	20.45	20.54	20.43	21.1	0	
20	BAGAM	50	50	20.58	20.59	20.44			
20	BAGAM	100	0	20.51	20.49	20.48			
20	255QAM	1	0	20.53	20.57	20.88	21	0.1	
20	255QAM	1	48	20.56	20.54	20.86			
20	255QAM	1	96	20.56	20.56	20.36			
20	255QAM	50	0	20.57	20.58	20.52			
20	255QAM	50	24	20.59	20.53	20.34	21	0.1	
20	255QAM	50	50	20.53	20.25	20.18			
20	255QAM	100	0	20.53	20.53	20.54			
Channel									
Frequency (MHz)				37970	38050	38175	Tune-up limit (dBm)	MPE (dB)	
				20.70	20.73	20.73			
15	QPSK	1	0	20.65	20.63	20.60	21.1	0	
15	QPSK	1	37	20.48	20.58	20.56			
15	QPSK	1	74	20.56	20.58	20.43			
15	QPSK	36	0	20.53	20.60	20.57			
15	QPSK	36	20	20.57	20.43	20.51	21.1	0	
15	QPSK	36	36	20.56	20.58	20.51			
15	QPSK	75	0	20.55	20.46	20.24			
15	HQAM	1	0	20.53	20.50	20.56	21.1	0	
15	HQAM	1	37	20.55	20.59	20.56			
15	HQAM	1	74	20.54	20.48	20.53	21.1	0	
15	HQAM	36	0	20.49	20.59	20.51			
15	HQAM	36	20	20.53	20.59	20.56	21.1	0	
15	HQAM	36	36	20.49	20.58	20.52			
15	HQAM	75	0	20.51	20.43	20.24			
15	HQAM	75	37	20.57	20.51	20.42	21.1	0	
15	BAGAM	1	0	20.57	20.59	20.22			
15	BAGAM	1	74	20.43	20.54	20.56	21.1	0	
15	BAGAM	36	0	20.51	20.53	20.56			
15	BAGAM	36	20	20.52	20.25	20.31	21.1	0	
15	BAGAM	75	0	20.51	20.59	20.57			
15	255QAM	1	0	19.91	20.59	20.55	21	0.1	
15	255QAM	1	37	20.51	20.53	20.56			
15	255QAM	1	74	20.59	20.51	20.22	21	0.1	
15	255QAM	36	0	19.97	20.54	20.16			
15	255QAM	36	20	20.57	20.55	20.19	21	0.1	
15	255QAM	36	36	20.56	20.55	20.19			
15	255QAM	75	0	20.28	20.53	20.44			
Channel									
Frequency (MHz)				37990	38090	38110	Tune-up limit (dBm)	MPE (dB)	
				20.70	20.73	20.73			
10	QPSK	1	0	20.65	20.63	20.60	21.1	0	
10	QPSK	1	25	20.44	20.42	20.37			
10	QPSK	1	48	20.61	20.59	20.41	21.1	0	
10	QPSK	25	0	20.52	20.59	20.31			
10	QPSK	25	12	20.52	20.56	20.37	21.1	0	
10	QPSK	25	37	20.58	20.59	20.47			
10	QPSK	25	50	20.64	20.70	20.73	21.1	0	
10	QPSK	25	75	20.67	20.68	20.62			
10	HQAM	1	0	20.72	20.59	20.59	21.1	0	
10	HQAM	1	25	20.62	20.62	20.69			
10	HQAM	1	48	20.69	20.57	20.78	21.1	0	
10	HQAM	25	0	20.54	20.67	20.81			
10	HQAM	25	25	20.60	20.59	20.63	21.1	0	
10	HQAM	25	50	20.58	20.58	20.69			
10	HQAM	50	0	20.67	20.73	20.69	21.1	0	
10	HQAM	50	25	20.60	20.60	20.60			
10	HQAM	50	50	20.57	20.68	20.70	21.1	0	
10	HQAM	50	75	20.61	20.58	20.61			
10	BAGAM	1	0	20.63	20.70	20.70	21.1	0	
10	BAGAM	1	25	20.63	20.70	20.70			
10	BAGAM	1	48	20.53	20.73	20.59	21.1	0	
10	BAGAM	25	0	20.65	20.77	20.72			
10	BAGAM	25	25	20.71	20.61	20.58	21.1	0	
10	BAGAM	25	50	20.61	20.78	20.75			
10	BAGAM	50	0	20.77	20.66	20.69	21.1	0	
10	BAGAM	50	25	20.77	20.66	20.70			
10	255QAM	1	0	18.88	18.80	19.17	20	1.1	
10	255QAM	1	25	19.10	18.97	19.00			
10	255QAM	1	48	19.02	18.89	19.21	20	1.1	
10	255QAM	25	0	18.75	18.83	19.00			
10	255QAM	25	25	18.98	18.71	18.99	20	1.1	
10	255QAM	25	50	18.74	18.85	18.85			
10	255QAM	50	0	18.91	18.88	18.92	20	1.1	
10	255QAM	50	25	18.91	18.88	18.92			
Channel									
Frequency (MHz)				37970	38090	38225	Tune-up limit (dBm)	MPE (dB)	
				20.70	20.73	20.77			
5	QPSK	1	0	20.66	20.64	20.69	21.1	0	
5	QPSK	1	12	20.56	20.48	20.52			
5	QPSK	1	24	20.53	20.49	20.88	21.1	0	
5	QPSK	12	0	20.69	20.58	20.78			
5	QPSK	12	7	20.56	20.56	20.50	21.1	0	
5	QPSK	12	13	20.62	20.57	20.74			
5	QPSK	25	0	20.56	20.43	20.65	21.1	0	
5	QPSK	25	7	20.56	20.43	20.65			
5	HQAM	1	0	20.65	20.60	20.55	21.1	0	
5	HQAM	1	12	20.63	20.55	20.83			
5	HQAM	1	24	20.72	20.62	20.73	21.1	0	
5	HQAM	12	0	20.55	20.57	20.77			
5	HQAM	12	7	20.55	20.57	20.47	21.1	0	
5	HQAM	12	13	20.51	20.73	20.70			
5	HQAM	25	0	20.70	20.65	20.75	21.1	0	
5	HQAM	25	7	20.70	20.65	20.75			
5	BAGAM	1	0	20.62	20.65	20.60	21.1	0	
5	BAGAM	1	12	20.62	20.65	20.60			
5	BAGAM	1	24	20.47	20.72	20.50	21.1	0	
5	BAGAM	12	0	20.62	20.62	20.72			
5	BAGAM	12	7	20.71	20.58	20.55	21.1	0	
5	BAGAM	12	13	20.59	20.73	20.70			
5	BAGAM	25	0	20.70	20.65	20.75	21.1	0	
5	BAGAM	25	7	20.70	20.65	20.75			
5	255QAM	1	0	19.02	18.85	19.16	20	1.1	
5	255QAM	1	12	19.10	18.97	19.01			
5	255QAM	1	24	19.01	18.88	19.21	20	1.1	
5	255QAM	12	0	18.75	18.83	19.00			
5	255QAM	12	7	18.92	18.81	19.14	20	1.1	
5	255QAM	12	13	19.14	18.91	19.18			



Band 38 Ant0 DSI3 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Ch / Freq	Turn-up limit (dBm)	MPR (dB)	
Channel				37950	38050	38150			
Frequency (MHz)				231.5	231.5	231.5			
20	QPSK	1	0	16.11	16.15	16.07			
20	QPSK	1	49	15.91	16.10	15.97	16.6	0	
20	QPSK	50	0	15.96	15.93	15.92			
20	QPSK	50	0	16.06	16.10	15.95			
20	QPSK	50	24	16.01	15.86	15.75	16.6	0	
20	QPSK	50	50	15.97	15.97	15.97			
20	QPSK	100	0	15.95	16.07	16.00			
20	HQAM	1	0	16.04	16.03	16.13	16.6	0	
20	HQAM	1	49	15.91	15.97	15.97			
20	HQAM	1	99	16.04	15.99	16.04			
20	HQAM	50	24	15.96	15.99	15.99	16.6	0	
20	HQAM	50	50	16.02	16.10	16.01			
20	HQAM	100	0	15.95	15.95	15.95			
20	BAGAM	1	0	15.05	15.12	15.05			
20	BAGAM	1	49	15.96	15.96	16.07	16.6	0	
20	BAGAM	1	99	16.05	15.95	16.13			
20	BAGAM	50	0	16.11	15.99	16.13			
20	BAGAM	50	24	16.06	15.96	15.95	16.6	0	
20	BAGAM	50	50	15.94	16.11	16.10			
20	BAGAM	100	0	15.89	16.04	16.14			
20	256QAM	1	0	15.89	15.94	15.84			
20	256QAM	1	49	15.96	15.93	15.92	16.6	0	
20	256QAM	1	99	15.81	15.82	15.93			
20	256QAM	50	0	15.97	15.98	16.04			
20	256QAM	50	24	15.94	16.05	16.05	16.6	0	
20	256QAM	50	50	16.04	15.87	15.92			
20	256QAM	100	0	15.93	15.93	15.93			
Channel				37955	38055	38155	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				231.7	231.7	231.7			
15	QPSK	1	0	16.15	16.15	16.07			
15	QPSK	1	37	15.85	15.89	15.84	16.6	0	
15	QPSK	1	74	15.93	15.87	15.88			
15	QPSK	36	0	16.05	15.94	15.91			
15	QPSK	36	20	15.92	15.77	15.64	16.6	0	
15	QPSK	36	36	15.97	15.93	15.93			
15	QPSK	75	0	16.07	16.03	15.92			
15	HQAM	1	0	15.97	15.98	16.06	16.6	0	
15	HQAM	1	37	15.94	15.92	15.92			
15	HQAM	1	74	15.93	15.92	15.90			
15	HQAM	36	0	15.96	16.00	15.97			
15	HQAM	36	20	15.92	15.82	15.72	16.6	0	
15	HQAM	36	36	15.93	16.05	15.93			
15	HQAM	75	0	15.85	15.92	15.91			
15	BAGAM	1	0	15.99	16.03	15.97	16.6	0	
15	BAGAM	1	37	16.02	15.87	15.95			
15	BAGAM	1	74	15.87	15.94	16.00			
15	BAGAM	36	0	16.06	15.86	15.96	16.6	0	
15	BAGAM	36	20	15.91	15.84	15.92			
15	BAGAM	36	36	15.96	15.96	15.96			
15	BAGAM	75	0	15.84	15.95	15.90			
15	256QAM	1	0	15.94	15.88	15.76	16.6	0	
15	256QAM	1	37	15.97	15.93	15.93			
15	256QAM	1	74	15.90	15.75	15.88			
15	256QAM	36	0	16.03	15.83	15.95	16.6	0	
15	256QAM	36	20	15.97	15.82	15.91			
15	256QAM	36	36	15.97	15.85	15.86			
15	256QAM	75	0	15.94	15.79	15.86			
Channel				231.7	231.7	231.7	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				231.7	231.7	231.7			
10	QPSK	1	0	16.07	16.07	16.07			
10	QPSK	1	25	15.77	15.80	15.82	16.6	0	
10	QPSK	1	49	15.88	15.87	15.75			
10	QPSK	25	0	15.85	15.79	15.83	16.6	0	
10	QPSK	25	12	15.86	15.71	15.63			
10	QPSK	25	25	15.83	15.94	15.88			
10	HQAM	1	0	15.87	15.87	15.87			
10	HQAM	1	0	15.85	15.89	16.07	16.6	0	
10	HQAM	1	25	15.94	15.88	15.94			
10	HQAM	1	49	15.89	15.93	15.93			
10	HQAM	25	0	15.96	15.95	15.78			
10	HQAM	25	12	15.86	15.88	15.86	16.6	0	
10	HQAM	25	25	15.92	15.95	15.92			
10	HQAM	50	0	15.83	15.90	15.87			
10	BAGAM	1	0	15.89	16.05	15.93			
10	BAGAM	1	25	15.87	15.81	15.94	16.6	0	
10	BAGAM	1	49	15.91	15.85	16.03			
10	BAGAM	25	0	15.95	15.88	15.98			
10	BAGAM	25	12	15.90	15.83	15.89	16.6	0	
10	BAGAM	25	25	15.89	16.05	15.96			
10	BAGAM	50	0	15.80	15.96	16.10			
10	256QAM	1	0	15.75	15.89	15.69	16.6	0	
10	256QAM	1	25	15.93	15.76	15.92			
10	256QAM	1	49	15.75	15.75	15.85			
10	256QAM	25	0	16.04	16.01	16.07	16.6	0	
10	256QAM	25	12	15.94	15.94	16.06			
10	256QAM	25	25	15.89	15.95	15.93			
10	256QAM	50	0	15.94	15.76	15.82			

Band 41 Ant0 DSI3 Simultaneous										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2493.5	2493.5	2493.5	2493.5	2493.5		
20	QPSK	1	0	16.27	16.30	16.33	16.33	16.44		
20	QPSK	1	49	16.49	16.28	16.25	16.55	16.33	16.6	0
20	QPSK	50	0	16.29	16.30	16.31	16.30	16.37		
20	QPSK	50	0	16.48	16.15	16.52	16.34	16.13		
20	QPSK	50	24	16.39	16.31	16.16	16.33	16.38	16.6	0
20	QPSK	50	50	16.43	16.37	16.43	16.38	16.37		
20	QPSK	100	0	16.32	16.24	16.37	16.31	16.28		
20	16QAM	1	0	16.13	16.37	16.33	16.33	16.25	16.6	0
20	16QAM	50	24	16.17	16.47	16.16	16.45	16.43		
20	16QAM	1	99	16.52	16.23	16.45	16.49	16.30		
20	16QAM	50	50	16.21	16.19	16.21	16.41	16.40	16.6	0
20	16QAM	100	0	16.35	16.32	16.42	16.41	16.32		
20	64QAM	1	0	16.45	16.46	16.41	16.33	16.25		
20	64QAM	1	49	16.16	16.45	16.21	16.48	16.40	16.6	0
20	64QAM	1	99	16.33	16.30	16.43	16.33	16.30		
20	64QAM	50	0	16.19	16.32	16.19	16.38	16.34		
20	64QAM	50	24	16.24	16.19	16.25	16.38	16.24	16.6	0
20	64QAM	50	50	16.41	16.13	16.22	16.40	16.49		
20	64QAM	100	0	16.33	16.19	16.30	16.27	16.30		
20	256QAM	1	0	16.17	16.40	16.14	16.04	16.35	16.6	0
20	256QAM	1	49	16.06	16.10	16.36	16.40	16.37		
20	256QAM	1	99	16.36	16.34	16.27	16.26	16.44		
20	256QAM	50	0	16.07	16.16	16.41	16.33	16.34	16.6	0
20	256QAM	50	24	16.20	16.44	16.05	16.07	16.43		
20	256QAM	50	50	16.20	16.18	16.20	16.10	16.14	16.6	0
20	256QAM	100	0	16.33	16.15	16.35	16.31	16.23		
Channel				39755	40173	40600	41068	41515		
Frequency (MHz)				2493.5	2493.5	2493.5	2493.5	2493.5		
15	QPSK	1	0	16.17	16.25	16.17	16.23	16.15	16.6	0
15	QPSK	1	37	16.40	16.12	16.20	16.43	16.22		
15	QPSK	1	74	16.24	16.34	16.43	16.24	16.36		
15	QPSK	36	0	16.44	16.04	16.42	16.28	15.99	16.6	0
15	QPSK	36	20	16.26	16.15	16.05	16.18	16.29	16.6	0
15	QPSK	75	0	16.25	16.17	16.27	16.22	16.14		
15	16QAM	1	0	15.98	16.22	16.19	16.19	16.17	16.6	0
15	16QAM	1	37	16.14	16.20	16.30	16.20	16.19		
15	16QAM	1	74	16.37	16.16	16.33	16.34	16.33		
15	16QAM	36	0	16.13	16.04	16.12	16.37	16.27		
15	16QAM	36	20	16.10	16.02	16.10	16.25	16.32	16.6	0
15	16QAM	36	36	16.31	16.39	16.29	16.17	16.28		
15	16QAM	75	0	16.03	16.20	16.33	16.26	16.24		
15	64QAM	1	0	16.38	16.41	16.33	16.25	16.21	16.6	0
15	64QAM	1	37	16.11	16.40	16.07	16.37	16.28		
15	64QAM	1	74	16.21	16.17	16.26	16.21	16.36		
15	64QAM	36	0	16.06	16.16	16.14	16.24	16.25	16.6	0
15	64QAM	36	20	16.15	16.08	16.20	16.29	16.16		
15	64QAM	36	36	16.36	16.36	16.26	16.33	16.33	16.6	0
15	64QAM	75	0	16.21	15.98	16.19	16.21	16.07		
15	256QAM	1	0	16.09	16.09	16.07	15.91	16.06	16.6	0
15	256QAM	1	37	16.03	16.06	16.13	16.05	16.05		
15	256QAM	1	74	16.21	16.29	16.16	16.17	16.29		
15	256QAM	36	0	16.01	16.11	16.01	16.11	16.01	16.6	0
15	256QAM	36	20	16.07	16.38	16.09	16.07	16.38	16.6	0
15	256QAM	36	36	16.06	16.10	16.11	16.06	16.09		
15	256QAM	75	0	16.21	16.39	16.21	16.39	16.21		
Channel				39760	40160	40600	41060	41460		
Frequency (MHz)				2493.5	2493.5	2493.5	2493.5	2493.5		
10	QPSK	1	0	16.16	16.14	16.16	16.16	16.16		
10	QPSK	1	25	16.38	16.14	16.16	16.40	16.21	16.6	0
10	QPSK	1	49	16.33	16.14	16.16	16.34	16.16		
10	QPSK	25	0	16.33	16.04	16.27	16.34	16.07		
10	QPSK	25	12	16.23	16.23	16.05	16.24	16.31		
10	QPSK	25	12	16.23	16.23	16.05	16.24	16.31		
10	QPSK	50	0	16.32	16.09	16.23	16.10	16.12		
10	16QAM	1	0	16.05	16.29	16.25	16.23	16.15		
10	16QAM	1	25	16.16	16.25	16.19	16.32	16.13		
10	16QAM	1	49	16.41	16.11	16.31	16.31	16.16		
10	16QAM	25	0	16.11	16.10	16.19	16.30	16.26		
10	16QAM	25	12	16.07	16.09	16.20	16.36	16.20		
10	16QAM	25	12	16.30	16.39	16.20	16.23	16.34		
10	64QAM	1	0	16.42	16.14	16.34	16.34	16.26		
10	64QAM	1	0	16.43	16.35	16.32	16.10	16.20		
10	64QAM	1	25	16.05	16.33	16.09	16.32	16.20		
10	64QAM	1	49	16.22	16.27	16.27	16.22	16.27		
10	64QAM	25	0	16.05	16.27	16.02	16.25	16.29		
10	64QAM	25	12	16.12	16.04	16.15	16.24	16.10	16.6	0
10	64QAM	25	12	16.33	16.13	16.13	16.31	16.32		
10	64QAM	50	0	16.22	16.06	16.26	16.17	16.14		
10	64QAM	50	0	16.46	16.12	16.36	16.36	16.26		
10	256QAM	1	0	16.00	16.00	16.25	16.35	16.28		
10	256QAM	1	49	16.20	16.27	16.19	16.18	16.40		
10	256QAM	25	0	16.04	16.34	16.03	16.23	16.39	16.6	0
10	256QAM	25	12	16.13	16.29	16.02	16.08	16.30		
10	256QAM	25	20	16.08	16.07	16.08	16.08	16.04		
10	256QAM	50	0	16.21	16.39	16.21	16.39	16.21		
Channel				39675	40146	40600	41050	41465		
Frequency (MHz)				2493.5	2493.5	2493.5	2493.5	2493.5		
5	QPSK	1	0	16.16	16.17	16.16	16.16	16.16		
5	QPSK	1	12	16.34	16.12	16.17	16.41	16.19	16.6	0
5	QPSK	1	24	16.34	16.12	16.17	16.34	16.16		
5	QPSK	12	0	16.33	16.05	16.44	16.25	16.05		
5	QPSK	12	7	16.29	16.16	16.10	16.21	16.08		
5	QPSK	12	7	16.28	16.16	16.10	16.20	16.27		
5	QPSK	25	0	16.24	16.14	16.22	16.25	16.16		
5	16QAM	1	0	16.03	16.29	16.19	16.20	16.15		
5	16QAM	1	12	16.21	16.16	16.27	16.31	16.19		
5	16QAM	1	24	16.24	16.12	16.33	16.25	16.21		
5	16QAM	12	0	16.06	16.16	16.25	16.31	16.20		
5	16QAM	12	7	16.04	16.37	16.02	16.30	16.28		
5	16QAM	12	13	16.23	16.43	16.19	16.23	16.25		
5	64QAM	1	0	16.54	16.13	16.33	16.33	16.24		
5	64QAM	1	0	16.33	16.33	16.27	16.28	16.22		
5	64QAM	1	12	16.03	16.32	16.12	16.38	16.25	16.6	0
5	64QAM	12	0	16.13	16.27	16.13	16.27	16.14		
5	64QAM	12	0	16.09	16.16	16.08	16.23	16.30		
5	64QAM	12	7	16.11	16.32	16.12	16.36	16.13		
5	64QAM	12	13	16.32	16.01	16.30	16.31	16.26		
5	64QAM	25	0	16.26	16.07	16.20	16.19	16.06		
5	256QAM	1	0	16.01	16.01	16.01	16.01	16.01	16.6	0
5	256QAM	1	12	16.00	16.07	16.34	16.31	16.31		
5	256QAM	1	24	16.21	16.25	16.19	16.22	16.27		
5	256QAM	12	0	16.03	16.39	16.03	16.20	16.29		
5	256QAM	12	7	16.08	16.32	16.00	16.02	16.38	16.6	0
5	256QAM	12	13	16.06	16.08	16.15	16.04	16.03		
5	256QAM	25	0	16.26	16.41	16.26	16.41	16.26		

Reuse Full Power Ant1 DS13 Standalone										
GSM450		Burst Average Power (dBm)				Tune-up Limit	Frame-Average Power (dBm)			Tune-up Limit
TX Channel		128	189	251	128		189	251		
Frequency (MHz)		824	836.4	848.8	824.2	836.4	848.8			
GSM 1 Tx slot		32.03	31.92	32.16	33.50	23.03	22.92	23.16	24.50	
GPRS 1 Tx slot		32.03	31.92	32.16	33.50	23.03	22.92	23.16	24.50	
GPRS 2 Tx slots		29.17	29.02	28.96	30.50	23.17	23.02	22.96	24.50	
GPRS 3 Tx slots		27.62	27.43	27.34	29.00	23.36	23.17	23.08	24.74	
GPRS 4 Tx slots		25.51	25.65	25.60	27.50	22.51	22.65	22.60	24.50	
EDGE 1 Tx slot		25.01	24.93	25.07	26.00	16.01	15.93	16.07	17.00	
EDGE 2 Tx slots		23.26	23.11	23.35	25.00	17.26	17.11	17.35	19.00	
EDGE 3 Tx slots		21.98	21.95	22.03	23.50	17.72	17.69	17.77	19.24	
EDGE 4 Tx slots		19.94	19.88	20.13	21.50	16.94	16.88	17.13	18.50	
Reuse Full Power Ant1 DS13 Standalone										
Band		WCDMA V				Tune-up Limit (dBm)				
TX Channel		4132	4182	4233						
Rx Channel		4357	4407	4488						
Frequency (MHz)		826.4	836.4	846.6						
3GPP Rel 99	AMR 12.2Kbps	23.41	23.55	23.56	25.00					
3GPP Rel 99	RMC 12.2Kbps	23.46	23.65	23.62	25.00					
3GPP Rel 6	HSDPA Subtest-1	22.82	22.88	22.99	24.00					
3GPP Rel 6	HSDPA Subtest-2	22.75	22.88	22.98	24.00					
3GPP Rel 6	HSDPA Subtest-3	22.26	22.39	22.45	23.50					
3GPP Rel 6	HSDPA Subtest-4	22.27	22.38	22.47	23.50					
3GPP Rel 8	DC-HSDPA Subtest-1	22.80	22.66	22.80	24.00					
3GPP Rel 8	DC-HSDPA Subtest-2	22.64	22.78	22.76	24.00					
3GPP Rel 8	DC-HSDPA Subtest-3	22.08	22.37	22.24	23.50					
3GPP Rel 8	DC-HSDPA Subtest-4	22.14	22.21	22.33	23.50					
3GPP Rel 6	HSUPA Subtest-1	22.76	22.83	22.93	24.00					
3GPP Rel 6	HSUPA Subtest-2	20.78	20.84	20.93	22.00					
3GPP Rel 6	HSUPA Subtest-3	21.73	21.79	21.89	23.00					
3GPP Rel 6	HSUPA Subtest-4	20.73	20.84	20.88	22.00					
3GPP Rel 6	HSUPA Subtest-5	22.70	22.80	22.90	24.00					

Reuse Full Power Ant1 DS13 Simultaneous								
GSM450		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		32.03	31.92	32.16	33.50	23.03	22.92	23.16
GPRS 1 Tx slot		32.03	31.92	32.16	33.50	23.03	22.92	23.16
GPRS 2 Tx slots		29.17	29.02	28.96	30.50	23.17	23.02	22.96
GPRS 3 Tx slots		27.62	27.43	27.34	29.00	23.36	23.17	23.08
GPRS 4 Tx slots		25.51	25.65	25.60	27.50	22.51	22.65	22.60
EDGE 1 Tx slot		25.01	24.93	25.07	26.00	16.01	15.93	16.07
EDGE 2 Tx slots		23.26	23.11	23.35	25.00	17.26	17.11	17.35
EDGE 3 Tx slots		21.98	21.95	22.03	23.50	17.72	17.69	17.77
EDGE 4 Tx slots		19.94	19.88	20.13	21.50	16.94	16.88	17.13
Ant1 DS13 Simultaneous								
WCDMA V		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)		
TX Channel		4132	4182	4233		4132	4182	4233
Frequency (MHz)		826.4	836.4	846.6		826.4	836.4	846.6
3GPP Rel 99 AMR 12.2Kbps		21.79	21.85	21.76	23.40	21.79	21.85	21.76
3GPP Rel 99 RMC 12.2Kbps		21.84	21.93	21.83	23.40	21.84	21.93	21.83
3GPP Rel 6 HSDPA Subtest-1		20.75	20.82	20.76	22.40	20.75	20.82	20.76
3GPP Rel 6 HSDPA Subtest-2		20.72	20.76	20.89	22.40	20.72	20.76	20.89
3GPP Rel 6 HSDPA Subtest-3		20.37	20.47	20.33	21.90	20.37	20.47	20.33
3GPP Rel 6 HSDPA Subtest-4		20.22	20.30	20.57	21.90	20.22	20.30	20.57
3GPP Rel 8 DC-HSDPA Subtest-1		20.74	20.68	20.82	22.40	20.74	20.68	20.82
3GPP Rel 8 DC-HSDPA Subtest-2		20.59	20.85	20.76	22.40	20.59	20.85	20.76
3GPP Rel 8 DC-HSDPA Subtest-3		20.09	20.31	20.14	21.90	20.09	20.31	20.14
3GPP Rel 8 DC-HSDPA Subtest-4		20.10	20.32	20.30	21.90	20.10	20.32	20.30
3GPP Rel 6 HSUPA Subtest-1		20.66	20.73	21.05	22.40	20.66	20.73	21.05
3GPP Rel 6 HSUPA Subtest-2		18.79	18.63	19.03	20.40	18.79	18.63	19.03
3GPP Rel 6 HSUPA Subtest-3		19.76	19.91	19.87	21.40	19.76	19.91	19.87
3GPP Rel 6 HSUPA Subtest-4		18.69	18.73	18.86	20.40	18.69	18.73	18.86
3GPP Rel 6 HSUPA Subtest-5		20.59	20.82	20.84	22.40	20.59	20.82	20.84



Band 2 Ant1 DS13 Standalone

BW [MHz]	Modulation	RB Size	RB Offset	Power Max Ch./F.Freq.	Power Min Ch./F.Freq.	Power Min Ch./F.Freq.	Turn-up Time (sec)	MPR (dB)		
Channel										
Frequency [MHz]										
20	QPSK	1	0	20.50	20.50	20.54	22	0		
20	QPSK	1	49	20.51	20.52	20.48				
20	QPSK	1	99	20.53	20.52	20.52	22	0		
20	QPSK	50	0	20.55	20.52	20.48				
20	QPSK	50	24	20.50	20.49	20.54	22	0		
20	QPSK	50	50	20.39	20.49	20.41				
20	QPSK	100	0	20.45	20.55	20.53	22	0		
20	QPSK	100	0	20.53	20.52	20.48				
20	16QAM	1	49	20.54	20.50	20.55	22	0		
20	16QAM	1	99	20.47	20.51	20.49				
20	16QAM	1	99	20.47	20.51	20.56	22	0		
20	16QAM	50	24	20.50	20.44	20.52				
20	16QAM	50	50	20.48	20.49	20.46	22	0		
20	16QAM	100	0	20.37	20.49	20.47				
20	64QAM	1	0	20.43	20.54	20.52	22	0		
20	64QAM	1	49	20.44	20.49	20.51				
20	64QAM	1	99	20.47	20.51	20.56	22	0		
20	64QAM	50	0	20.32	20.40	20.34				
20	64QAM	50	24	20.34	20.37	20.31	22	0		
20	64QAM	50	50	20.34	20.38	20.37				
20	64QAM	100	0	20.32	20.37	20.33	20	2		
20	256QAM	1	49	19.98	19.92	19.98				
20	256QAM	1	99	19.94	19.92	19.92	20	2		
20	256QAM	50	24	19.92	19.92	19.92				
20	256QAM	50	50	19.03	19.02	19.00	20	2		
20	256QAM	100	0	19.97	19.98	19.94				
Channel										
Frequency [MHz]										
15	QPSK	1	0	20.41	20.56	20.43	22	0		
15	QPSK	1	49	20.47	20.44	20.56				
15	QPSK	1	74	20.56	20.39	20.49	22	0		
15	QPSK	36	0	20.44	20.54	20.38				
15	QPSK	36	39	20.39	20.43	20.35	22	0		
15	QPSK	36	39	20.25	20.39	20.36				
15	QPSK	75	0	20.38	20.44	20.49	22	0		
15	16QAM	1	49	20.47	20.51	20.49				
15	16QAM	1	37	20.48	20.49	20.43	22	0		
15	16QAM	1	74	20.56	20.39	20.49				
15	16QAM	36	0	20.40	20.39	20.38	22	0		
15	16QAM	36	20	20.40	20.39	20.41				
15	16QAM	75	0	20.31	20.34	20.39	22	0		
15	64QAM	1	0	20.33	20.54	20.42				
15	64QAM	1	49	20.43	20.48	20.51	22	0		
15	64QAM	1	74	20.32	20.48	20.50				
15	64QAM	36	0	20.24	20.25	20.28	22	0		
15	64QAM	36	39	20.23	20.27	20.25				
15	64QAM	36	39	20.21	20.32	20.25	22	0		
15	64QAM	75	0	20.26	20.29	20.26				
15	256QAM	1	37	19.93	19.79	19.96	20	2		
15	256QAM	1	74	19.89	19.88	19.84				
15	256QAM	36	0	19.92	19.92	19.92	20	2		
15	256QAM	36	20	19.92	19.90	19.90				
15	256QAM	36	39	19.85	19.89	19.83	20	0		
15	256QAM	75	0	19.83	19.86	19.83				
Channel										
Frequency [MHz]										
10	QPSK	1	0	20.45	20.53	20.55	22	0		
10	QPSK	1	49	20.55	20.40	20.53				
10	QPSK	1	99	20.49	20.53	20.53	22	0		
10	QPSK	25	13	20.36	20.37	20.32				
10	QPSK	25	25	20.28	20.37	20.36	22	0		
10	QPSK	25	25	20.33	20.40	20.48				
10	16QAM	1	0	20.47	20.52	20.48	22	0		
10	16QAM	1	25	20.44	20.45	20.50				
10	16QAM	25	0	20.45	20.39	20.34	22	0		
10	16QAM	25	12	20.42	20.38	20.44				
10	16QAM	50	0	20.28	20.39	20.32	22	0		
10	16QAM	1	0	20.35	20.57	20.38				
10	64QAM	1	0	20.25	20.35	20.38	22	0		
10	64QAM	1	49	20.33	20.55	20.42				
10	64QAM	25	0	20.24	20.34	20.25	22	0		
10	64QAM	25	12	20.22	20.29	20.29				
10	64QAM	25	25	20.26	20.39	20.32	20	2		
10	256QAM	1	25	19.95	19.92	19.98				
10	256QAM	1	25	19.90	19.87	19.86	20	2		
10	256QAM	25	12	19.88	19.86	19.86				
10	256QAM	25	25	19.87	19.86	19.85	20	0		
10	256QAM	50	0	19.86	19.87	19.85				
Channel										
Frequency [MHz]										
5	QPSK	1	0	20.47	20.40	20.51	22	0		
5	QPSK	1	14	20.57	20.40	20.47				
5	QPSK	1	49	20.48	20.53	20.49	22	0		
5	QPSK	12	7	20.37	20.30	20.30				
5	QPSK	12	13	20.25	20.42	20.33	22	0		
5	QPSK	25	0	20.37	20.44	20.38				
5	16QAM	1	0	20.38	20.54	20.51	22	0		
5	16QAM	1	12	20.47	20.54	20.47				
5	16QAM	12	0	20.42	20.48	20.48	22	0		
5	16QAM	12	0	20.41	20.43	20.38				
5	16QAM	12	7	20.39	20.34	20.45	22	0		
5	16QAM	12	14	20.41	20.41	20.32				
5	16QAM	25	0	20.30	20.42	20.39	22	0		
5	16QAM	25	0	20.29	20.37	20.39				
5	64QAM	1	0	20.36	20.39	20.42	22	0		
5	64QAM	1	24	20.40	20.49	20.48				
5	64QAM	12	0	20.28	20.32	20.20	22	0		
5	64QAM	12	7	20.24	20.19	20.17				
5	64QAM	12	13	20.28	20.29	20.30	22	0		
5	64QAM	25	0	20.22	20.31	20.27				
5	256QAM	1	12	19.93	19.87	19.83	20	2		
5	256QAM	1	12	19.84	19.73	19.88				
5	256QAM	12	0	19.81	19.82	19.87	20	2		
5	256QAM	12	0	19.81	19.80	19.88				
5	256QAM	12	7	19.87	19.86	19.87	20	2		
5	256QAM	12	13	19.89	19.86	19.82				
5	256QAM	25	0	19.89	19.84	19.84	20	0		
5	256QAM	25	0	19.86	19.87	19.85				
Channel										
Frequency [MHz]										
3	QPSK	1	0	20.45	20.53	20.43	22	0		
3	QPSK	1	8	20.47	20.50	20.51				
3	QPSK	1	14	20.51	20.38	20.52	22	0		
3	QPSK	8	4	20.44	20.54	20.46				
3	QPSK	8	4	20.42	20.37	20.36	22	0		
3	QPSK	8	7	20.27	20.30	20.31				
3	QPSK	15	0	20.35	20.42	20.40	22	0		
3	16QAM	1	0	20.48	20.52	20.50				
3	16QAM	1	8	20.42	20.44	20.47	22	0		
3	16QAM	1	15	20.33	20.53	20.35				
3	16QAM	8	0	20.42	20.42	20.39	22	0		
3	16QAM	8	4	20.37	20.37	20.38				
3	16QAM	15	0	20.36	20.41	20.32	22	0		
3	16QAM	15	0	20.32	20.39	20.43				
3	64QAM	1	0	20.31	20.40	20.38	22	0		
3	64QAM	1	14	20.37	20.52	20.44				
3	64QAM	8	0	20.22	20.32	20.26	22	0		
3	64QAM	8	4	20.24	20.34	20.18				
3	64QAM	8	7	20.28	20.32	20.23	22	0		
3	64QAM	15	0	19.91	19.09	19.86				
3	256QAM	1	8	19.90	19.79	19.89	20	2		
3	256QAM	1	8	19.81	19.80	19.86				
3	256QAM	8	0	19.79	19.07	19.84	20	2		
3	256QAM	8	4	19.86	19.84	19.87				



Band 12 Ant1 DS13 Standalone														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up Int. (dB)	MPR (dB)						
Channel														
Frequency (MHz)														
10	QPSK	1	0	24.22	24.41	24.29	25	0						
10	QPSK	1	25	24.33	24.38	24.33								
10	QPSK	1	49	24.29	24.31	24.27								
10	QPSK	25	0	24.27	24.40	24.31								
10	QPSK	25	12	24.38	24.32	24.35								
10	QPSK	25	25	24.37	24.21	24.32	25	0						
10	16QAM	1	0	24.21	24.23	24.27								
10	16QAM	1	25	24.33	24.28	24.32								
10	16QAM	1	49	24.32	24.32	24.30								
10	16QAM	25	0	23.89	23.85	23.86								
10	16QAM	25	12	23.70	23.87	23.85	25	0						
10	16QAM	25	25	23.89	23.74	23.73								
10	16QAM	50	0	23.85	23.91	23.83								
10	64QAM	1	0	24.22	24.21	24.25								
10	64QAM	1	25	24.27	24.21	24.26								
10	64QAM	1	49	24.29	24.25	24.28	25	0						
10	64QAM	25	0	23.77	23.80	23.83								
10	64QAM	25	12	23.89	23.86	23.87								
10	64QAM	25	25	23.90	23.92	23.91								
10	64QAM	50	0	23.87	23.81	23.83								
10	256QAM	1	25	20.70	20.73	20.65	21	4						
10	256QAM	1	49	20.55	20.71	20.60								
10	256QAM	25	0	20.60	20.61	20.57								
10	256QAM	25	12	20.80	20.69	20.69								
10	256QAM	25	25	20.71	20.53	20.57								
10	256QAM	50	0	20.59	20.60	20.49	21	4						
Channel														
Frequency (MHz)														
5	QPSK	1	0	24.09	24.22	24.10			25	0				
5	QPSK	1	12	24.11	24.15	24.09								
5	QPSK	1	24	24.24	24.24	24.24								
5	QPSK	12	0	24.12	24.34	24.24								
5	QPSK	12	7	24.23	24.27	24.25								
5	QPSK	12	13	24.25	24.11	24.12	25	0						
5	QPSK	25	0	24.10	24.28	24.28								
5	16QAM	1	0	24.05	24.07	24.13								
5	16QAM	1	12	24.15	24.22	24.28								
5	16QAM	12	0	23.70	23.39	23.43								
5	16QAM	12	7	23.84	23.50	23.54	25	0						
5	16QAM	12	13	23.64	23.59	23.54								
5	16QAM	25	0	23.43	23.39	23.43								
5	64QAM	1	0	23.87	24.00	24.15								
5	64QAM	1	12	24.07	24.12	24.16								
5	64QAM	1	24	24.17	24.02	24.03	25	0						
5	64QAM	12	0	23.82	23.54	23.73								
5	64QAM	12	7	23.79	23.79	23.65								
5	64QAM	12	13	23.92	23.87	23.85								
5	64QAM	25	0	23.70	23.89	23.82								
5	256QAM	1	0	20.68	20.62	20.60	21	4						
5	256QAM	1	12	20.71	20.65	20.57								
5	256QAM	1	24	20.65	20.71	20.57								
5	256QAM	12	0	20.68	20.65	20.65								
5	256QAM	12	7	20.68	20.51	20.54								
5	256QAM	12	13	20.71	20.53	20.55	21	4						
5	256QAM	25	0	20.62	20.63	20.67								
Channel														
Frequency (MHz)														
3	QPSK	1	0	24.12	24.21	24.17	25	0						
3	QPSK	1	8	24.11	24.25	24.07								
3	QPSK	1	14	24.05	24.20	24.08								
3	QPSK	8	0	24.01	24.27	24.08								
3	QPSK	8	7	24.33	24.09	24.24								
3	QPSK	8	7	24.23	24.01	24.26	25	0						
3	16QAM	1	0	24.10	24.23	24.16								
3	16QAM	1	0	24.04	24.04	24.11								
3	16QAM	1	8	24.10	24.04	24.11								
3	16QAM	1	14	24.15	24.23	24.05								
3	16QAM	8	0	23.44	23.43	23.59	25	0						
3	16QAM	8	4	23.61	23.43	23.43								
3	16QAM	8	7	23.51	23.62	23.47								
3	16QAM	15	0	23.81	23.39	23.36								
3	64QAM	1	0	23.99	24.03	24.30								
3	64QAM	1	8	24.02	24.02	24.17	25	0						
3	64QAM	1	14	24.23	23.94	24.15								
3	64QAM	8	0	23.74	23.73	23.78								
3	64QAM	8	4	23.83	23.81	23.84								
3	64QAM	8	7	23.70	23.75	23.70								
3	256QAM	1	0	20.50	20.73	20.57	21	4						
3	256QAM	1	8	20.67	20.79	20.70								
3	256QAM	1	14	20.47	20.55	20.53								
3	256QAM	8	0	20.46	20.68	20.52								
3	256QAM	8	4	20.80	20.79	20.85								
3	256QAM	8	7	20.61	20.63	20.66	21	4						
3	256QAM	15	0	20.52	20.70	20.52								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	24.26	24.29	24.34	25	0						
1.4	QPSK	1	3	24.26	24.36	24.34								
1.4	QPSK	1	5	24.21	24.26	24.27								
1.4	QPSK	3	0	24.31	24.33	24.36								
1.4	QPSK	3	1	24.32	24.30	24.37								
1.4	QPSK	3	3	24.27	24.29	24.36	25	0						
1.4	QPSK	6	0	24.30	24.27	24.37								
1.4	16QAM	1	0	24.31	24.32	24.40								
1.4	16QAM	1	3	24.31	24.34	24.36								
1.4	16QAM	1	5	24.22	24.31	24.34								
1.4	16QAM	3	0	24.08	24.17	24.17	25	0						
1.4	16QAM	3	1	24.05	24.10	24.18								
1.4	16QAM	3	3	24.05	24.14	24.26								
1.4	64QAM	1	0	23.73	23.69	23.79								
1.4	64QAM	1	3	24.26	24.38	24.28								
1.4	64QAM	1	5	24.11	24.24	24.27	25	0						
1.4	64QAM	3	0	24.24	24.11	24.31								
1.4	64QAM	3	1	24.19	24.28	24.29								
1.4	64QAM	3	3	24.13	24.21	24.26								
1.4	64QAM	6	0	23.79	23.79	23.86								
1.4	256QAM	1	0	20.45	20.65	20.47	21	4						
1.4	256QAM	1	3	20.60	20.71	20.72								
1.4	256QAM	1	5	20.69	20.64	20.54								
1.4	256QAM	3	0	20.64	20.71	20.80								
1.4	256QAM	3	1	20.75	20.51	20.69								
1.4	256QAM	6	0	20.76	20.43	20.62	21	4						
1.4	256QAM	6	3	20.64	20.77	20.59								

Band 25 Ant1 DS13 Standalone												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Med Ch / Freq.	Power High Ch / Freq.	Turn-up Init (dB)	APR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	20.57	20.63	20.66			22	0		
20	QPSK	1	49	20.57	20.63	20.66						
20	QPSK	1	99	20.62	20.66	20.82			22	0		
20	QPSK	50	0	20.50	20.60	20.59						
20	QPSK	50	24	20.38	20.50	20.42			22	0		
20	QPSK	50	50	20.46	20.53	20.48						
20	QPSK	100	0	20.57	20.63	20.52			22	0		
20	16QAM	1	0	20.55	20.56	20.61						
20	16QAM	1	49	20.48	20.56	20.50			22	0		
20	16QAM	1	99	20.58	20.63	20.58						
20	16QAM	50	0	20.48	20.57	20.44			22	0		
20	16QAM	50	24	20.42	20.41	20.42						
20	16QAM	50	50	20.48	20.48	20.46			22	0		
20	16QAM	100	0	20.38	20.55	20.26						
20	64QAM	1	0	20.37	20.56	20.50			22	0		
20	64QAM	1	49	20.36	20.45	20.53						
20	64QAM	1	99	20.50	20.53	20.53			22	0		
20	64QAM	50	0	20.32	20.40	20.31						
20	64QAM	50	24	20.37	20.30	20.31			22	0		
20	64QAM	50	50	20.36	20.36	20.32						
20	256QAM	100	0	20.30	20.30	20.26			20	2		
20	256QAM	1	49	19.07	19.18	19.09						
20	256QAM	1	99	19.06	19.14	19.13			20	2		
20	256QAM	50	0	18.96	19.06	19.07						
20	256QAM	50	24	18.96	18.92	18.97			20	2		
20	256QAM	50	50	18.92	19.01	18.89						
20	256QAM	100	0	18.87	18.93	18.91						
Channel												
Frequency (MHz)												
18	QPSK	1	0	20.49	20.56	20.59			22	0		
18	QPSK	1	37	20.47	20.58	20.47						
18	QPSK	1	74	20.63	20.57	20.59			22	0		
18	QPSK	36	0	20.38	20.61	20.48						
18	QPSK	36	18	20.29	20.43	20.34			22	0		
18	QPSK	36	36	20.41	20.40	20.34						
18	QPSK	72	0	20.45	20.59	20.42			22	0		
18	16QAM	1	0	20.45	20.45	20.53						
18	16QAM	1	37	20.38	20.41	20.43			22	0		
18	16QAM	1	74	20.42	20.42	20.38						
18	16QAM	36	0	20.39	20.51	20.36			22	0		
18	16QAM	36	20	20.33	20.33	20.34						
18	16QAM	36	36	20.36	20.39	20.38			22	0		
18	16QAM	75	0	20.28	20.40	20.32						
18	64QAM	1	0	20.28	20.46	20.42			22	0		
18	64QAM	1	37	20.31	20.35	20.41						
18	64QAM	1	74	20.41	20.42	20.51			22	0		
18	64QAM	36	0	20.22	20.33	20.20						
18	64QAM	36	20	20.26	20.38	20.34			22	0		
18	64QAM	36	36	20.25	20.25	20.23						
18	64QAM	75	0	20.18	20.22	20.16			20	2		
18	256QAM	1	49	18.92	19.00	18.94						
18	256QAM	1	37	18.92	18.95	18.97			20	2		
18	256QAM	1	74	19.01	18.92	19.07						
18	256QAM	36	0	18.79	18.90	18.96			20	2		
18	256QAM	36	20	18.89	18.81	18.92						
18	256QAM	36	36	18.85	18.84	18.79			20	2		
18	256QAM	75	0	18.41	18.50	18.50						
Channel												
Frequency (MHz)												
2000	QPSK	1	0	20.60	20.69	20.60			22	0		
2000	QPSK	1	25	20.40	20.59	20.42						
2000	QPSK	1	49	20.49	20.60	20.51			22	0		
2000	QPSK	12	0	20.36	20.48	20.34						
2000	QPSK	25	12	20.32	20.38	20.32			22	0		
2000	QPSK	25	25	20.32	20.47	20.36						
2000	QPSK	50	0	20.47	20.47	20.44			22	0		
2000	16QAM	1	0	20.42	20.46	20.50						
2000	16QAM	1	25	20.33	20.48	20.41			22	0		
2000	16QAM	1	49	20.42	20.46	20.48						
2000	16QAM	25	0	20.42	20.46	20.37			22	0		
2000	16QAM	25	12	20.33	20.32	20.32						
2000	16QAM	36	0	20.33	20.43	20.36			22	0		
2000	16QAM	50	0	20.27	20.40	20.30						
2000	64QAM	1	0	20.25	20.44	20.43			22	0		
2000	64QAM	1	24	20.25	20.36	20.47						
2000	64QAM	1	49	20.43	20.45	20.57			22	0		
2000	64QAM	25	0	20.21	20.33	20.23						
2000	64QAM	25	12	20.25	20.30	20.25			22	0		
2000	64QAM	25	25	20.24	20.30	20.25						
2000	64QAM	50	0	20.21	20.24	20.18			20	2		
2000	256QAM	0	18.98	19.00	18.97							
2000	256QAM	1	25	18.92	18.97	18.98			20	2		
2000	256QAM	1	49	18.93	18.93	18.96						
2000	256QAM	25	0	18.78	18.90	18.91			20	2		
2000	256QAM	25	12	18.90	18.80	18.84						
2000	256QAM	25	25	18.79	18.84	18.75			20	2		
2000	256QAM	50	0	18.81	18.87	18.81						
Channel												
Frequency (MHz)												
2600	QPSK	1	0	20.62	20.68	20.64			22	0		
2600	QPSK	1	12	20.45	20.53	20.46						
2600	QPSK	1	24	20.63	20.53	20.49			22	0		
2600	QPSK	12	0	20.36	20.48	20.34						
2600	QPSK	12	7	20.28	20.35	20.30			22	0		
2600	QPSK	12	13	20.31	20.46	20.41						
2600	QPSK	25	0	20.48	20.53	20.46			22	0		
2600	16QAM	1	0	20.43	20.46	20.49						
2600	16QAM	1	12	20.38	20.42	20.37			22	0		
2600	16QAM	1	24	20.43	20.45	20.48						
2600	16QAM	12	0	20.34	20.43	20.36			22	0		
2600	16QAM	12	7	20.33	20.26	20.30						
2600	16QAM	12	13	20.40	20.41	20.38			22	0		
2600	16QAM	25	0	20.28	20.47	20.36						
2600	64QAM	1	0	20.24	20.50	20.35			22	0		
2600	64QAM	1	12	20.22	20.37	20.43						
2600	64QAM	1	24	20.43	20.44	20.49			22	0		
2600	64QAM	12	0	20.24	20.31	20.18						
2600	64QAM	12	7	20.29	20.20	20.17			22	0		
2600	64QAM	12	13	20.24	20.23	20.18						
2600	64QAM	25	0	20.22	20.17	20.20			20	2		
2600	256QAM	0	18.95	19.11	18.97							
2600	256QAM	1	12	18.90	18.96	18.94			20	2		
2600	256QAM	1	24	18.90	18.99	19.01						
2600	256QAM	12	0	18.75	18.85	18.83			20	2		
2600	256QAM	12	7	18.82	18.82	18.89						
2600	256QAM	12	13	18.85	18.92	18.81			20	2		
2600	256QAM	25	0	18.83	18.91	18.82						
Channel												
Frequency (MHz)												
2607	QPSK	1	0	20.50	20.59	20.59			22	0		
2607	QPSK	1	8	20.47	20.57	20.47						
2607	QPSK	1	14	20.55	20.56	20.55			22	0		
2607	QPSK	8	0	20.57								

Band 66 Ant1 DS13 Standalone														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. 190972	Power Middle Ch./Freq. 191032	Power High Ch./Freq. 191072	Time-up (ms)	MPR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	18.71	18.84	18.76	20.4	0						
20	QPSK	1	49	18.82	18.73	18.84								
20	QPSK	1	99	18.73	18.79	18.87								
20	QPSK	50	0	18.70	18.77	18.84								
20	QPSK	50	24	18.68	18.85	18.89	20.4	0						
20	QPSK	50	50	18.52	18.67	18.58								
20	QPSK	100	0	18.64	18.66	18.66								
20	16QAM	1	0	18.63	18.71	18.73								
20	16QAM	1	49	18.53	18.70	18.83	20.4	0						
20	16QAM	1	99	18.63	18.70	18.73								
20	16QAM	50	0	18.51	18.59	18.59								
20	16QAM	50	24	18.59	18.51	18.59								
20	16QAM	50	50	18.55	18.53	18.54	20.4	0						
20	16QAM	100	0	18.48	18.52	18.45								
20	64QAM	1	0	18.45	18.65	18.59								
20	64QAM	1	49	18.52	18.63	18.52								
20	64QAM	1	99	18.58	18.70	18.68	20.4	0						
20	64QAM	50	0	18.56	18.49	18.49								
20	64QAM	50	24	18.48	18.45	18.53								
20	64QAM	50	50	18.40	18.50	18.46								
20	64QAM	100	0	18.43	18.48	18.47	20.4	0						
20	256QAM	1	0	18.56	18.60	18.75								
20	256QAM	1	49	18.66	18.49	18.54								
20	256QAM	1	99	18.34	18.28	18.63								
20	256QAM	50	0	18.48	18.58	18.45	20	0.4						
20	256QAM	50	24	18.28	18.50	18.52								
20	256QAM	50	50	18.57	18.64	18.61								
20	256QAM	100	0	18.43	18.51	18.73								
Channel														
Frequency (MHz)														
15	QPSK	1	0	18.69	18.78	18.88	20.4	0						
15	QPSK	1	37	18.55	18.58	18.49								
15	QPSK	1	74	18.62	18.67	18.61								
15	QPSK	36	0	18.64	18.64	18.55								
15	QPSK	36	20	18.48	18.48	18.49	20.4	0						
15	QPSK	36	39	18.42	18.48	18.48								
15	QPSK	75	0	18.63	18.63	18.51								
15	16QAM	1	1	18.48	18.60	18.52								
15	16QAM	1	37	18.48	18.63	18.52	20.4	0						
15	16QAM	1	74	18.56	18.59	18.45								
15	16QAM	36	0	18.44	18.52	18.53								
15	16QAM	36	20	18.50	18.49	18.54								
15	16QAM	75	0	18.58	18.49	18.68	20.4	0						
15	64QAM	1	0	18.63	18.54	18.49								
15	64QAM	1	37	18.43	18.54	18.47								
15	64QAM	1	74	18.50	18.52	18.53								
15	64QAM	36	0	18.52	18.61	18.47	20.4	0						
15	64QAM	36	20	18.63	18.48	18.54								
15	64QAM	36	39	18.58	18.52	18.53								
15	64QAM	75	0	18.66	18.42	18.46								
15	256QAM	1	0	18.50	18.45	18.45	20	0.4						
15	256QAM	1	37	18.19	18.50	18.49								
15	256QAM	1	74	18.24	18.10	18.49								
15	256QAM	36	0	18.37	18.52	18.45								
15	256QAM	36	20	18.19	18.48	18.47	20	0.4						
15	256QAM	36	39	18.38	18.48	18.49								
15	256QAM	75	0	18.19	18.53	18.48								
Channel														
Frequency (MHz)														
10	QPSK	1	0	18.53	18.78	18.78	20.4	0						
10	QPSK	1	25	18.52	18.62	18.51								
10	QPSK	1	49	18.63	18.67	18.53								
10	QPSK	25	0	18.58	18.67	18.67								
10	QPSK	25	13	18.47	18.42	18.52	20.4	0						
10	QPSK	25	25	18.49	18.48	18.46								
10	QPSK	50	0	18.57	18.62	18.62								
10	16QAM	1	0	18.55	18.59	18.59								
10	16QAM	1	25	18.42	18.67	18.52	20.4	0						
10	16QAM	1	49	18.58	18.66	18.46								
10	16QAM	25	0	18.67	18.49	18.45								
10	16QAM	25	13	18.50	18.45	18.53								
10	16QAM	50	0	18.53	18.57	18.53	20.4	0						
10	64QAM	1	0	18.62	18.55	18.52								
10	64QAM	1	25	18.47	18.58	18.56								
10	64QAM	1	49	18.42	18.64	18.54								
10	64QAM	25	0	18.55	18.57	18.53	20.4	0						
10	64QAM	25	13	18.56	18.51	18.63								
10	64QAM	25	25	18.57	18.58	18.62								
10	64QAM	50	0	18.66	18.49	18.53								
10	256QAM	1	0	18.49	18.51	18.35	20	0.4						
10	256QAM	1	25	18.44	18.38	18.33								
10	256QAM	1	49	18.19	18.62	18.34								
10	256QAM	25	0	18.35	18.55	18.46								
10	256QAM	25	13	18.31	18.50	18.45	20	0.4						
10	256QAM	25	25	18.40	18.38	18.50								
10	256QAM	50	0	18.41	18.40	18.30								
Channel														
Frequency (MHz)														
5	QPSK	1	0	18.53	18.73	18.73	20.4	0						
5	QPSK	1	12	18.53	18.59	18.57								
5	QPSK	1	24	18.68	18.69	18.54								
5	QPSK	12	0	18.61	18.68	18.58								
5	QPSK	12	7	18.51	18.49	18.52	20.4	0						
5	QPSK	12	13	18.41	18.48	18.52								
5	QPSK	25	0	18.53	18.58	18.59								
5	16QAM	1	0	18.53	18.67	18.63								
5	16QAM	1	12	18.59	18.63	18.57	20.4	0						
5	16QAM	1	24	18.66	18.57	18.67								
5	16QAM	12	0	18.42	18.47	18.45								
5	16QAM	12	7	18.48	18.42	18.51								
5	16QAM	12	14	18.42	18.47	18.53	20.4	0						
5	16QAM	25	0	18.55	18.53	18.61								
5	64QAM	1	0	18.62	18.57	18.45								
5	64QAM	1	12	18.45	18.50	18.43								
5	64QAM	1	24	18.43	18.60	18.57	20.4	0						
5	64QAM	12	0	18.55	18.54	18.59								
5	64QAM	12	7	18.69	18.77	18.77								
5	64QAM	12	13	18.56	18.49	18.66								
5	64QAM	25	0	18.66	18.53	18.62	20.4	0						
5	256QAM	1	0	18.51	18.32	18.39								
5	256QAM	1	12	18.32	18.20	18.47								
5	256QAM	1	24	18.22	18.08	18.40								
5	256QAM	12	0	18.38	18.45	18.22	20	0.4						
5	256QAM	12	7	18.16	18.54	18.41								
5	256QAM	12	13	18.39	18.32	18.46								
5	256QAM	25	0	18.23	18.42	18.29								



Band 2 Ant1 DS13 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Mod Ch / Freq	Power Hsp Ch / Freq	Power Hsp Ch / Freq	Turn-up time (sec)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	17.09	17.10	17.10			
20	QPSK	1	49	16.89	17.00	17.07	18	0	
20	QPSK	1	99	17.04	17.09	17.12			
20	QPSK	50	0	17.04	17.14	17.15			
20	QPSK	50	49	16.81	16.85	16.87	18	0	
20	QPSK	50	99	16.89	16.99	16.85			
20	QPSK	100	0	17.08	17.13	17.09			
20	16QAM	1	49	16.89	17.00	17.11	18	0	
20	16QAM	1	99	17.04	17.10	17.06			
20	16QAM	50	24	16.89	16.97	16.96	18	0	
20	16QAM	50	24	16.89	16.97	16.96			
20	16QAM	100	0	16.89	16.93	16.94			
20	64QAM	1	0	16.83	17.04	16.96			
20	64QAM	1	49	16.80	17.00	16.96	18	0	
20	64QAM	1	99	16.97	17.05	17.01			
20	64QAM	50	0	16.82	16.87	16.79			
20	64QAM	50	24	16.83	16.79	16.76	18	0	
20	64QAM	50	24	16.84	16.79	16.80			
20	64QAM	100	0	16.78	16.76	16.74			
20	256QAM	1	49	16.91	16.94	16.92	18	0	
20	256QAM	1	99	16.98	17.05	17.01			
20	256QAM	50	24	16.83	16.75	16.80	18	0	
20	256QAM	50	24	16.79	16.82	16.85			
20	256QAM	50	50	16.73	16.86	16.80			
20	256QAM	100	0	16.85	16.78	16.82			
Channel									
Frequency (MHz)									
15	QPSK	1	0	16.97	16.99	16.97	Turn-up time (sec)	MPR (dB)	
15	QPSK	1	49	16.99	17.04	17.04			
15	QPSK	1	99	16.79	17.04	16.97			
15	QPSK	36	0	16.97	17.07	17.03			
15	QPSK	36	39	16.83	16.87	16.86	18	0	
15	QPSK	36	39	16.81	16.82	16.78			
15	QPSK	75	0	16.96	17.04	16.95			
15	16QAM	1	99	16.90	16.96	16.96	18	0	
15	16QAM	1	37	16.78	17.01	16.95			
15	16QAM	1	74	16.89	16.94	16.96			
15	16QAM	36	0	16.81	16.82	16.86	18	0	
15	16QAM	36	20	16.89	16.86	16.89			
15	16QAM	75	0	16.97	17.05	17.07	18	0	
15	16QAM	75	0	16.75	16.82	16.71			
15	64QAM	1	0	16.72	16.85	16.85			
15	64QAM	1	49	16.80	16.94	16.88	18	0	
15	64QAM	1	99	16.75	16.82	16.77			
15	64QAM	1	74	16.92	16.90	16.95			
15	64QAM	36	0	16.73	16.79	16.73	18	0	
15	64QAM	36	0	16.73	16.79	16.73			
15	64QAM	36	39	16.76	16.82	16.87			
15	64QAM	75	0	16.68	16.69	16.84			
15	256QAM	1	37	16.82	16.87	16.81	18	0	
15	256QAM	1	74	16.86	16.86	16.89			
15	256QAM	36	20	16.85	16.82	16.87			
15	256QAM	36	20	16.85	16.72	16.77			
15	256QAM	36	39	16.73	16.80	16.79	18	0	
15	256QAM	36	39	16.73	16.76	16.72			
Channel									
Frequency (MHz)									
10	QPSK	1	0	16.85	16.88	16.88	Turn-up time (sec)	MPR (dB)	
10	QPSK	1	25	16.86	17.06	16.93			
10	QPSK	1	49	16.85	17.02	17.03	18	0	
10	QPSK	25	0	16.89	16.97	16.98			
10	QPSK	25	13	16.82	16.72	16.88			
10	QPSK	25	25	16.77	16.87	16.77	18	0	
10	QPSK	25	25	16.86	16.78	16.84			
10	16QAM	1	0	16.89	17.02	16.97			
10	16QAM	1	25	16.83	16.86	17.00	18	0	
10	16QAM	1	49	16.89	16.97	16.98			
10	16QAM	25	0	16.77	16.87	16.88			
10	16QAM	25	12	16.89	16.81	16.89	18	0	
10	16QAM	25	12	16.72	16.84	16.83			
10	16QAM	50	0	16.73	16.78	16.87			
10	16QAM	50	0	16.68	16.86	16.84			
10	64QAM	1	0	16.74	16.85	16.77	18	0	
10	64QAM	1	49	16.83	16.93	16.86			
10	64QAM	25	0	16.74	16.74	16.73			
10	64QAM	25	16	16.70	16.65	16.72	18	0	
10	64QAM	25	25	16.73	16.66	16.72			
10	64QAM	50	0	16.70	16.66	16.66			
10	256QAM	1	0	16.60	16.65	16.67	18	0	
10	256QAM	1	25	16.82	16.83	16.84			
10	256QAM	49	0	16.68	16.69	16.87			
10	256QAM	49	0	16.68	16.69	16.87			
10	256QAM	25	12	16.67	16.70	16.75	18	0	
10	256QAM	25	25	16.69	16.73	16.72			
10	256QAM	50	0	16.69	16.65	16.71			
Channel									
Frequency (MHz)									
5	QPSK	1	12	16.82	16.89	16.97	Turn-up time (sec)	MPR (dB)	
5	QPSK	1	12	16.86	17.09	17.00			
5	QPSK	1	24	16.98	16.96	16.97	18	0	
5	QPSK	12	0	16.90	17.06	16.98			
5	QPSK	12	7	16.79	16.79	16.82			
5	QPSK	12	13	16.81	16.89	16.71	18	0	
5	QPSK	12	13	16.71	16.85	16.84			
5	16QAM	1	0	16.88	16.96	17.05			
5	16QAM	1	12	16.81	17.02	16.98	18	0	
5	16QAM	12	0	16.95	17.07	17.03			
5	16QAM	12	0	16.83	16.96	16.92			
5	16QAM	12	7	16.86	16.87	16.82	18	0	
5	16QAM	12	13	16.74	16.87	16.85			
5	16QAM	25	0	16.71	16.84	16.86			
5	16QAM	25	0	16.74	16.83	16.83	18	0	
5	16QAM	25	0	16.74	16.83	16.83			
5	16QAM	15	0	16.73	16.81	16.71			
5	16QAM	1	0	16.71	16.85	16.78	18	0	
5	16QAM	15	0	16.71	16.85	16.78			
5	64QAM	1	0	16.70	16.83	16.83			
5	64QAM	1	14	16.89	16.96	16.92	18	0	
5	64QAM	8	0	16.76	16.76	16.72			
5	64QAM	8	16	16.70	16.71	16.82			
5	64QAM	8	7	16.77	16.68	16.72	18	0	
5	64QAM	15	0	16.79	16.84	16.85			
5	256QAM	1	0	16.85	16.82	16.84	18	0	
5	256QAM	1	8	16.90	16.89	16.89			
5	256QAM	8	0	16.84	16.82	16.80			
5	256QAM	8	0	16.84	16.82	16.80			
5	256QAM	8	4	16.84	16.68	16.75	18	0	
5	256QAM	8	4	16.69	16.72	16.68			
5	256QAM	15	0	16.70	16.70	16.71			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	17.05	17.01	17.00	Turn-up time (sec)	MPR (dB)	
1.4	QPSK	1	3	16.80	16.99	16.92			
1.4	QPSK	3	0	16.92	16.96	16.93	18	0	
1.4	QPSK	3	0	16.91	17.06	17.02			
1.4	QPSK	3	1	16.84	16.77	16.87			
1.4	16QAM	1	0	16.75	16.85	16.76	18	0	
1.4	16QAM	6	16	16.96	16.72	16.82			
1.4	16QAM	1	0	16.91	17.04	16.99			
1.4	16QAM	1	0	16.81	16.94	16.89	18	0	
1.4	16QAM	1	0	16.92	17.06	16.97			
1.4	16QAM	3	0	16.80	16.97	16.92			
1.4	16QAM	3	0	16.85	16.92	16.81	18	0	
1.4	16QAM	3	0	16.78	16.79	16.74			
1.4	16QAM	27	0	16.74	16.77	16.82			
1.4	16QAM	1	0	16.74	16.87	16.81	18	0	
1.4	64QAM	1	5	16.87	16.88	16.90			
1.4	64QAM	1	16	16.71	16.73	16.76	18	0	
1.4	64QAM	3	0	16.77	16.87	16.79			
1.4	64QAM	3	3	16.73	16.73	16.67			
1.4	64QAM	4	0	16.73	16.68	16.68	18	0	
1.4	256QAM	1	0	16.82	16.82	16.83			
1.4	256QAM	1	3	16.82	16.86	16.80			
1.4	256QAM	3	0	16.82	16.83	16.82	18	0	
1.4	256QAM	3	0	16.76	16.81	16.77			
1.4	256QAM	3	1	16.71	16.68	16.72			
1.4	256QAM	3	1	16.61	16.77	16.67	18	0	
1.4	256QAM	6	0	16.78	16.83	16.69	18	0	

Band 4 Ant1 DS13 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Mod Ch / Freq	Power Hsp Ch / Freq	Power Hsp Ch / Freq	Turnup time (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	16.21	16.23	16.14			
20	QPSK	1	49	16.03	16.21	16.11	17.5	0	
20	QPSK	1	98	16.03	16.21	16.11			
20	QPSK	50	0	16.13	16.10	16.09			
20	QPSK	50	24	15.93	15.98	15.91	17.5	0	
20	QPSK	50	49	16.08	16.08	16.08			
20	QPSK	100	0	16.15	16.17	16.10			
20	QPSK	1	0	16.07	16.14	16.22			
20	QPSK	1	49	16.08	16.10	16.09	17.5	0	
20	QPSK	1	99	16.20	16.20	16.12			
20	QPSK	50	0	15.97	16.02	15.97			
20	QPSK	50	24	15.98	15.99	15.93	17.5	0	
20	QPSK	50	49	16.01	16.02	15.96			
20	QPSK	100	0	15.98	16.16	15.97			
20	QPSK	1	49	15.90	16.03	15.96	17.5	0	
20	QPSK	50	0	15.96	15.97	15.91			
20	QPSK	50	24	15.86	15.89	15.82	17.5	0	
20	QPSK	50	49	15.86	15.88	15.82			
20	QPSK	100	0	15.87	15.92	15.87			
20	25QAM	1	0	16.09	16.01	15.96	17.5		
20	25QAM	1	49	16.02	16.07	16.00			
20	25QAM	1	99	16.12	16.14	16.08			
20	25QAM	50	0	15.93	16.00	15.98			
20	25QAM	50	24	15.87	15.88	15.86	17.5		
20	25QAM	50	49	15.96	15.99	15.98			
20	25QAM	100	0	15.86	16.02	15.82	Turnup time (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	0	16.13	16.15	16.05			
15	QPSK	1	49	16.01	16.06	16.02	17.5	0	
15	QPSK	1	74	16.00	16.03	16.04			
15	QPSK	36	0	16.05	16.08	15.98			
15	QPSK	36	36	15.93	16.03	15.98	17.5	0	
15	QPSK	36	72	15.89	16.01	15.87			
15	QPSK	72	0	16.02	16.05	15.98			
15	QPSK	72	36	15.98	16.00	15.95	17.5	0	
15	QPSK	1	37	16.01	16.04	16.01			
15	QPSK	1	74	16.13	16.15	16.02			
15	QPSK	36	0	15.90	16.00	15.90	17.5	0	
15	QPSK	36	20	15.86	15.83	15.84			
15	QPSK	36	36	15.88	15.93	15.84	17.5	0	
15	QPSK	36	72	15.93	15.95	15.88			
15	QPSK	1	0	15.77	16.10	15.69			
15	QPSK	1	37	15.81	15.90	15.84	17.5	0	
15	QPSK	1	74	15.81	15.90	15.84			
15	QPSK	36	0	15.73	15.87	15.66			
15	QPSK	36	20	15.74	15.79	15.68	17.5	0	
15	QPSK	36	36	15.78	15.80	15.73			
15	QPSK	72	0	16.79	16.84	16.74			
15	QPSK	72	36	16.79	16.84	16.74	17.5	0	
15	25QAM	1	37	15.92	15.95	15.90			
15	25QAM	1	74	15.97	16.07	16.03			
15	25QAM	36	0	15.80	15.85	15.82	17.5	0	
15	25QAM	36	20	15.90	15.81	15.85			
15	25	36	36	15.90	15.84	15.79			
15	25	36	72	15.93	15.98	15.90	Turnup time (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
5	QPSK	1	0	16.15	17.22	17.03			
5	QPSK	1	24	16.03	16.12	15.98	17.5	0	
5	QPSK	1	49	16.04	16.01	16.07			
5	QPSK	1	74	16.00	16.13	16.07			
5	QPSK	12	0	15.83	15.86	15.82			
5	QPSK	12	12	15.87	15.95	15.88	17.5	0	
5	QPSK	12	24	15.89	15.98	15.91			
5	QPSK	1	0	16.00	16.01	16.00			
5	QPSK	1	24	15.99	16.07	16.02	17.5	0	
5	QPSK	1	49	16.00	16.04	16.00			
5	QPSK	12	0	15.89	15.83	15.90	17.5	0	
5	QPSK	12	12	15.83	15.82	15.87			
5	QPSK	12	24	15.86	15.86	15.82			
5	QPSK	50	0	15.93	16.02	15.87			
5	QPSK	50	24	15.76	15.72	15.77	17.5	0	
5	QPSK	50	49	15.80	15.79	15.73			
5	QPSK	100	0	15.80	15.84	15.84	17.5	0	
5	QPSK	1	26	15.92	15.98	15.97			
5	25QAM	1	49	16.02	16.00	15.94	17.5	0	
5	25QAM	1	99	16.04	16.09	16.04			
5	25QAM	12	0	15.80	15.84	15.84			
5	25QAM	12	12	15.84	15.84	15.84	17.5	0	
5	25QAM	12	24	15.87	15.85	15.89			
5	25QAM	12	49	15.81	15.81	15.81			
5	25QAM	12	74	15.81	15.81	15.81	17.5	0	
5	25QAM	12	99	15.81	15.81	15.81			
5	25QAM	12	119	15.91	15.96	15.87			
5	25QAM	25	0	15.88	15.92	15.87	17.5	0	
5	25QAM	25	25	15.86	15.91	15.86			
5	25QAM	25	49	15.86	15.89	15.85			
Channel									
Frequency (MHz)									
5	QPSK	1	0	16.06	16.14	16.09	Turnup time (dB)	MPR (dB)	
5	QPSK	1	12	15.95	16.00	15.98			
5	QPSK	1	24	16.00	16.09	16.04	17.5	0	
5	QPSK	1	49	16.07	16.08	16.04			
5	QPSK	12	7	15.88	15.91	15.84	17.5	0	
5	QPSK	12	13	15.83	15.99	15.84			
5	QPSK	12	19	15.83	15.84	15.84			
5	QPSK	1	0	15.98	16.02	15.99			
5	QPSK	1	12	16.06	16.12	16.08	17.5	0	
5	QPSK	1	24	16.12	16.13	16.09			
5	QPSK	12	0	15.87	16.05	15.89			
5	QPSK	12	12	15.87	15.87	15.87	17.5	0	
5	QPSK	12	19	15.91	15.96	15.87			
5	QPSK	25	0	15.88	15.92	15.87			
5	QPSK	25	12	15.77	15.78	15.78	17.5	0	
5	QPSK	1	12	15.78	15.97	15.93			
5	QPSK	12	24	15.95	16.00	15.93			
5	QPSK	12	49	15.87	15.88	15.88	17.5	0	
5	QPSK	12	74	15.80	15.78	15.82			
5	QPSK	12	99	15.77	15.81	15.79			
5	25QAM	1	0	16.03	16.02	15.92			
5	25QAM	1	12	16.06	16.01	15.97	17.5	0	
5	25QAM	1	24	16.00	16.04	16.00			
5	25QAM	12	0	15.86	15.90	15.86			
5	25QAM	12	12	15.90	15.74	15.83	17.5	0	
5	25QAM	12	24	15.86	15.86	15.81			
5	25QAM	25	0	15.77	15.86	15.71			
Channel									
Frequency (MHz)									
3	QPSK	1	0	17.11	17.22	17.03	Turnup time (dB)	MPR (dB)	
3	QPSK	1	0	16.15	16.08	16.00			
3	QPSK	1	8	15.99	16.10	15.98	17.5	0	
3	QPSK	1	16	16.00	16.04	16.00			
3	QPSK	8	0	15.99	16.08	16.01			
3	QPSK	8	8	15.85	15.84	15.86	17.5	0	
3	QPSK	8	16	15.88	15.88	15.88			
3	QPSK	16	0	16.09	16.10	16.02			
3	QPSK	1	0	15.95	16.06	16.11	17.5	0	
3	QPSK	8	0	15.98	16.08	16.04			
3	QPSK	1	14	16.13	16.06	16.07			
3	QPSK	8	0	15.89	16.01	15.87			
3	QPSK	8	8	15.86	15.86	15.86	17.5	0	
3	QPSK	8	16	15.86	15.95	15.87			
3	QPSK	16	0	15.92	15.94	15.87			
3	QPSK	1	8	15.78	16.08	15.80	17.5	0	
3	QPSK	1	8	15.84	15.94	15.84			
3	QPSK	1	14	15.84	15.97	15.86			
3	QPSK	8	0	15.73	15.76	15.77	17.5	0	
3	QPSK	8	8	15.79	15.79	15.79			
3	QPSK	16	0	15.73	15.78	15.73			
3	25QAM	1	0	16.04	15.95	15.88			
3	25QAM	1	8	16.03	16.03	16.03	17.5	0	
3	25QAM	1	14	16.01	16.02	16.02			
3	25QAM	8	0	15.83	15.83	15.81			
3	25QAM	8	8	15.82	15.78	15.78	17.5	0	
3	25QAM	8	7	15.88	15.82	15.79			
3	25QAM	16	0	15.73	15.89	15.81			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	17.17	17.22	17.03	Turnup time (dB)	MPR (dB)	
1.4	QPSK	1	0	16.00	16.10	16.00			
1.4	QPSK	1	8	15.97	16.02	15.95	17.5	0	
1.4	QPSK	1	16	16.01	16.05	16.03			
1.4	QPSK	8	0	15.84	15.84	15.84			
1.4	QPSK	3	0	15.92	15.90	15.93			
1.4	QPSK	6	0	16.04	16.05	16.06	17.5	0	
1.4	QPSK	6	8	16.00	16.00	16.00			
1.4	QPSK	3	0	16.00	16.00	16.02			
1.4	QPSK	1	0	16.12	16.10	16.07			
1.4	QPSK	1	8	16.02	16.08	16.02	17.5	0	
1.4	QPSK	1	16	15.96	15.99	15.92			
1.4	QPSK	8	0	15.74	16.04	15.86			
1.4	QPSK	3	0	15.82	15.91	15.87			
1.4	QPSK	3	8	15.77	15.79	15.81	17.5	0	
1.4	QPSK	3	16	15.77	15.77	15.77			
1.4	QPSK	6	0	15.77	16.02	15.71			
1.4	QPSK	6	8	16.02	15.88	15.84			
1.4	QPSK	6	16	15.98	15.98	15.97	17.5	0	
1.4	25QAM	1	0						



Band 12 Ant1 DS13 Simultaneous														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up Int. (dB)	MPR (dB)						
Channel														
Frequency (MHz)														
10	QPSK	1	0	24.22	24.43	24.29	25	0						
10	QPSK	1	25	24.33	24.38	24.33								
10	QPSK	1	49	24.29	24.31	24.27								
10	QPSK	25	0	24.27	24.40	24.31								
10	QPSK	25	12	24.38	24.32	24.35								
10	QPSK	25	25	24.37	24.21	24.32	25	0						
10	16QAM	1	0	24.21	24.23	24.27								
10	16QAM	1	25	24.33	24.29	24.32								
10	16QAM	1	49	24.32	24.32	24.30								
10	16QAM	25	0	23.89	23.85	23.86								
10	16QAM	25	12	23.70	23.87	23.85	25	0						
10	16QAM	25	25	23.89	23.74	23.73								
10	16QAM	50	0	23.85	23.81	23.83								
10	64QAM	1	0	24.22	24.17	24.25								
10	64QAM	1	25	24.27	24.21	24.26								
10	64QAM	1	49	24.29	24.25	24.28	25	0						
10	64QAM	25	0	23.77	23.80	23.83								
10	64QAM	25	12	23.89	23.86	23.87								
10	64QAM	25	25	23.90	23.82	23.91								
10	64QAM	50	0	23.87	23.81	23.83								
10	256QAM	1	0	20.66	20.60	20.64	21	4						
10	256QAM	1	25	20.70	20.73	20.65								
10	256QAM	1	49	20.55	20.71	20.60								
10	256QAM	25	0	20.60	20.67	20.57								
10	256QAM	25	12	20.80	20.69	20.69								
10	256QAM	25	25	20.71	20.53	20.57	21	4						
10	256QAM	50	0	20.60	20.62	20.57								
Channel														
Frequency (MHz)														
5	QPSK	1	0	24.09	24.22	24.10			25	0				
5	QPSK	1	12	24.11	24.15	24.09								
5	QPSK	1	24	24.24	24.24	24.24								
5	QPSK	12	0	24.12	24.34	24.24								
5	QPSK	12	7	24.23	24.27	24.28								
5	QPSK	12	13	24.25	24.11	24.12	25	0						
5	QPSK	25	0	24.10	24.28	24.26								
5	16QAM	1	0	24.05	24.07	24.13								
5	16QAM	1	12	24.15	24.22	24.28								
5	16QAM	12	0	23.80	23.39	23.43								
5	16QAM	12	7	23.84	23.50	23.54	25	0						
5	16QAM	12	13	23.64	23.59	23.54								
5	16QAM	25	0	23.43	23.39	23.43								
5	64QAM	1	0	23.87	24.00	24.15								
5	64QAM	1	12	24.18	24.01	24.12								
5	64QAM	1	24	24.17	24.02	24.03	25	0						
5	64QAM	12	0	23.82	23.54	23.73								
5	64QAM	12	7	23.79	23.79	23.65								
5	64QAM	12	13	23.82	23.67	23.65								
5	64QAM	25	0	23.70	23.59	23.62								
5	256QAM	1	0	20.60	20.62	20.62	21	4						
5	256QAM	1	12	20.71	20.60	20.57								
5	256QAM	1	24	20.65	20.71	20.57								
5	256QAM	12	0	20.68	20.51	20.55								
5	256QAM	12	7	20.68	20.51	20.55								
5	256QAM	12	13	20.71	20.52	20.55	21	4						
5	256QAM	25	0	20.62	20.63	20.57								
Channel														
Frequency (MHz)														
3	QPSK	1	0	24.12	24.21	24.17	25	0						
3	QPSK	1	8	24.11	24.20	24.07								
3	QPSK	1	14	24.05	24.20	24.08								
3	QPSK	8	0	24.01	24.27	24.08								
3	QPSK	8	8	24.33	24.00	24.24								
3	QPSK	8	7	24.23	24.01	24.26	25	0						
3	16QAM	1	0	24.20	24.33	24.26								
3	16QAM	1	0	24.04	24.09	24.20								
3	16QAM	1	8	24.10	24.04	24.11								
3	16QAM	1	8	24.15	24.23	24.05								
3	16QAM	8	0	23.44	23.43	23.59	25	0						
3	16QAM	8	4	23.61	23.43	23.43								
3	16QAM	8	7	23.51	23.62	23.47								
3	16QAM	15	0	23.81	23.39	23.36								
3	64QAM	1	0	23.99	24.03	24.30								
3	64QAM	1	8	24.02	24.02	24.17	25	0						
3	64QAM	1	14	24.23	23.94	24.15								
3	64QAM	8	0	23.74	23.73	23.78								
3	64QAM	8	4	23.63	23.61	23.64								
3	64QAM	8	7	23.70	23.70	23.70								
3	256QAM	1	0	20.50	20.73	20.57	21	4						
3	256QAM	1	8	20.67	20.79	20.70								
3	256QAM	1	14	20.47	20.55	20.53								
3	256QAM	8	0	20.46	20.68	20.52								
3	256QAM	8	4	20.60	20.73	20.65								
3	256QAM	8	7	20.61	20.63	20.66	21	4						
3	256QAM	15	0	20.52	20.70	20.55								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	24.26	24.20	24.14	25	0						
1.4	QPSK	1	3	24.26	24.36	24.34								
1.4	QPSK	1	5	24.21	24.26	24.27								
1.4	QPSK	3	0	24.31	24.33	24.36								
1.4	QPSK	3	1	24.32	24.30	24.37								
1.4	QPSK	3	3	24.27	24.29	24.36	25	0						
1.4	QPSK	6	0	24.30	24.27	24.37								
1.4	16QAM	1	0	24.31	24.32	24.40								
1.4	16QAM	1	3	24.31	24.34	24.36								
1.4	16QAM	1	5	24.22	24.31	24.34								
1.4	16QAM	3	0	24.08	24.17	24.17	25	0						
1.4	16QAM	3	1	24.05	24.10	24.18								
1.4	16QAM	3	3	24.05	24.14	24.26								
1.4	16QAM	6	0	23.73	23.69	23.79								
1.4	64QAM	1	0	24.26	24.38	24.28								
1.4	64QAM	1	3	24.11	24.24	24.27	25	0						
1.4	64QAM	1	5	24.24	24.11	24.31								
1.4	64QAM	3	0	24.19	24.28	24.29								
1.4	64QAM	3	3	24.13	24.21	24.26								
1.4	64QAM	6	0	23.82	23.79	23.86								
1.4	256QAM	1	0	20.45	20.65	20.47	25	0						
1.4	256QAM	1	3	20.60	20.71	20.72								
1.4	256QAM	1	5	20.69	20.64	20.50								
1.4	256QAM	3	0	20.64	20.71	20.60								
1.4	256QAM	3	1	20.75	20.51	20.69								
1.4	256QAM	6	0	20.45	20.65	20.47	25	0						
1.4	256QAM	6	0	20.64	20.77	20.59								

Band 25 Ant1 DS13 Simultaneous												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up Init (dB)	APR3 (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	17.12	17.13	16.95			18	0		
20	QPSK	1	49	17.00	17.03	17.02						
20	QPSK	1	99	17.00	17.17	17.11			18	0		
20	QPSK	50	0	16.91	17.16	16.93						
20	QPSK	50	24	16.96	16.97	16.98			18	0		
20	QPSK	50	50	16.92	16.96	16.91						
20	QPSK	100	0	17.01	17.14	16.91			18	0		
20	16QAM	1	0	16.95	17.05	17.08						
20	16QAM	1	49	16.98	17.01	17.08			18	0		
20	16QAM	1	99	17.07	17.10	17.04						
20	16QAM	50	0	16.90	17.05	16.99			18	0		
20	16QAM	50	24	16.91	16.94	16.95						
20	16QAM	50	50	16.93	16.93	16.94			18	0		
20	16QAM	100	0	16.88	17.00	16.93						
20	64QAM	1	0	16.85	17.07	16.88			18	0		
20	64QAM	1	49	16.86	16.90	16.96						
20	64QAM	1	99	16.90	16.99	16.98			18	0		
20	64QAM	50	0	16.84	16.90	16.81						
20	64QAM	50	24	16.75	16.85	16.74			18	0		
20	64QAM	50	50	16.77	16.81	16.80						
20	64QAM	100	0	16.74	16.80	16.76			18	0		
20	256QAM	1	0	16.83	16.95	16.85						
20	256QAM	1	49	16.84	16.94	16.96			18	0		
20	256QAM	1	99	16.94	17.06	16.98						
20	256QAM	50	0	16.81	16.92	16.83			18	0		
20	256QAM	50	24	16.83	16.85	16.82						
20	256QAM	50	50	16.78	16.83	16.85			18	0		
20	256QAM	100	0	16.76	16.82	16.77						
Channel												
Frequency (MHz)												
15	QPSK	1	0	16.98	17.11	16.84			18	0		
15	QPSK	1	37	16.93	17.01	16.91						
15	QPSK	1	74	16.93	17.04	17.04			18	0		
15	QPSK	36	0	16.80	17.02	16.79						
15	QPSK	36	25	16.86	16.86	16.82			18	0		
15	QPSK	36	39	16.79	16.83	16.80						
15	QPSK	75	0	16.88	17.05	16.78			18	0		
15	16QAM	1	0	16.83	17.03	16.84						
15	16QAM	1	37	16.86	16.90	16.95			18	0		
15	16QAM	1	74	16.83	16.97	16.88						
15	16QAM	36	0	16.83	16.97	16.88			18	0		
15	16QAM	36	25	16.83	16.84	16.81						
15	16QAM	36	39	16.81	16.85	16.84			18	0		
15	16QAM	75	0	16.80	16.93	16.79						
15	64QAM	1	0	16.71	16.99	16.74			18	0		
15	64QAM	1	37	16.76	16.82	16.80						
15	64QAM	1	74	16.83	16.92	16.85			18	0		
15	64QAM	36	0	16.73	16.82	16.87						
15	64QAM	36	25	16.84	16.87	16.82			18	0		
15	64QAM	36	39	16.86	16.85	16.73						
15	64QAM	75	0	16.68	16.88	16.82			18	0		
15	256QAM	1	0	16.82	16.95	16.86						
15	256QAM	1	37	16.75	16.90	16.91			18	0		
15	256QAM	1	74	16.80	16.88	16.85						
15	256QAM	36	0	16.76	16.82	16.85			18	0		
15	256QAM	36	25	16.70	16.73	16.87						
15	256QAM	36	39	16.69	16.76	16.73			18	0		
15	256QAM	75	0	16.65	16.82	16.78						
Channel												
Frequency (MHz)												
10	QPSK	1	0	17.03	17.06	16.93			18	0		
10	QPSK	1	25	16.85	17.03	16.92						
10	QPSK	1	49	16.88	17.11	16.98			18	0		
10	QPSK	12	0	16.84	16.94	16.97						
10	QPSK	25	12	16.89	16.82	16.85			18	0		
10	QPSK	25	25	16.78	16.89	16.80						
10	QPSK	80	0	16.83	17.08	16.88			18	0		
10	16QAM	1	0	16.83	16.99	16.99						
10	16QAM	1	25	16.84	16.96	16.94			18	0		
10	16QAM	1	49	17.00	17.05	16.98						
10	16QAM	25	0	16.83	16.94	16.96			18	0		
10	16QAM	25	12	16.80	16.85	16.86						
10	16QAM	36	0	16.81	16.82	16.77			18	0		
10	16QAM	36	25	16.80	16.87	16.81						
10	64QAM	1	0	16.80	16.87	16.81			18	0		
10	64QAM	1	24	16.74	16.82	16.88						
10	64QAM	1	49	16.79	16.89	16.89			18	0		
10	64QAM	25	0	16.73	16.80	16.87						
10	64QAM	25	12	16.70	16.81	16.81			18	0		
10	64QAM	25	25	16.67	16.67	16.74						
10	64QAM	50	0	16.64	16.75	16.82			18	0		
10	256QAM	1	0	16.81	16.81	16.85						
10	256QAM	1	25	16.76	16.89	16.89			18	0		
10	256QAM	1	49	16.86	16.97	16.88						
10	256QAM	25	0	16.75	16.83	16.81			18	0		
10	256QAM	25	12	16.74	16.78	16.76						
10	256QAM	25	25	16.68	16.71	16.74			18	0		
10	256QAM	50	0	16.65	16.76	16.75						
Channel												
Frequency (MHz)												
5	QPSK	1	0	17.05	17.07	16.97			18	0		
5	QPSK	1	12	16.87	17.00	16.88						
5	QPSK	1	24	16.86	17.07	17.09			18	0		
5	QPSK	12	0	16.81	17.04	16.96						
5	QPSK	12	7	16.82	16.92	16.90			18	0		
5	QPSK	12	13	16.79	16.87	16.83						
5	QPSK	25	0	16.87	16.96	16.83			18	0		
5	16QAM	1	0	16.85	17.02	16.98						
5	16QAM	1	12	16.92	16.87	16.95			18	0		
5	16QAM	1	24	16.97	16.93	16.93						
5	16QAM	12	0	16.79	16.89	16.91			18	0		
5	16QAM	12	7	16.76	16.86	16.82						
5	16QAM	12	13	16.87	16.85	16.73			18	0		
5	16QAM	25	0	16.76	16.86	16.81						
5	64QAM	1	0	16.73	17.01	16.74			18	0		
5	64QAM	1	12	16.79	16.76	16.89						
5	64QAM	1	24	16.76	16.85	16.88			18	0		
5	64QAM	12	0	16.74	16.76	16.68						
5	64QAM	12	7	16.65	16.79	16.80			18	0		
5	64QAM	12	13	16.68	16.67	16.75						
5	64QAM	25	0	16.60	16.70	16.67			18	0		
5	256QAM	1	0	16.88	16.85	16.87						
5	256QAM	1	12	16.73	16.84	16.93			18	0		
5	256QAM	1	24	16.86	16.99	16.99						
5	256QAM	12	0	16.66	16.76	16.71			18	0		
5	256QAM	12	7	16.77	16.71	16.75						
5	256QAM	25	0	16.64	16.66	16.73			18	0		
5	256QAM	25	7	16.67	16.64	16.71						
Channel												
Frequency (MHz)												
3	QPSK	1	0	16.96	17.12	16.88			18	0		
3	QPSK	1	8	16.90	16.99	16.91						
3	QPSK	1	14	16.89	17.03	16.99			18	0		
3	QPSK	8	0	16.82	17.08	16.83						
3	QPSK	8	8	16.85	16.98	16.93			18	0		
3	QPSK	15	0	16.88	17.01	16.83						
3	QPSK	15	8	17.03	17.02	17.00			18	0		
3	16QAM	1	0	16.89	16.99	16.94						
3	16QAM	1	14	16.93	17.01	16.98			18	0		
3	16QAM	8	0	16.82	16.95	16.92						
3	16QAM	8	8	16.78	16.78	16.72			18	0		
3	16QAM	8	14	16.79	16.79	16.74						
3	16QAM	15	0	16.90	16.99	16.94			18	0		
3	64QAM	1	0	16.80	16.83	16.80						
3	64QAM	1	8	16.79	16.79	16.74			18	0		
3	64QAM	8	0	16.72	16.85	16.74						
3	64QAM	8	8	16.68	16.73	16.66			18	0		
3	64QAM	15	0	16.82	16.91	16.84						
3	64QAM	15	8	16.81	16.70	16.64			18	0		
3	64QAM	15	14	16.78	16.79	16.67						
3	64QAM	15	8	16.76	16.79	16.67			18	0		
3	64QAM	15	14	16.83	16.88	16.82						
3	64QAM	15	8	16.72	16.72	16.64			18	0		
3	64QAM	15	14	16.78	16.78	16.77						
3	64QAM	15	8	16.70	16.76	16.77			18	0		
3	256QAM	1	0	16.84	16.94	16.87						
3	256QAM	1	8	16.85	16.95	16.94						
3	256QAM	1	14	16.90	17.00	16.98						
3	256QAM	8	0	16.73	16.86	16.79			18	0		
3	256QAM	8	7	16.71	16.77	16.78						
3	256QAM	8	14	16.76	16.76	16.77			18	0		
3	256QAM	8	8	16.62	16.83	16.77						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	16.97	17.08	16.94			18	0		
1.4	QPSK	1	3	16.91	17.00	16.94						
1.4	QPSK	1	3	16.93	17.07	17.01			18	0		
1.4	QPSK	1	5	16.93	17.07	17.01						
1.4	QPSK	1	8	16.90	17.04	16.95			18	0		
1.4	QPSK	3	0	16.81	16.95	16.84						
1.4	QPSK	3	3	16.94	16.83	16.83			18	0		

Band 66 Ant1 DS13 Simultaneous											Band 71 Ant1 DS13 Simultaneous																		
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq.	Power Middle Ch./F.Freq.	Power High Ch./F.Freq.	Tune-up (mHz)	MPR (dB)			BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq.	Power Middle Ch./F.Freq.	Power High Ch./F.Freq.	Tune-up (mHz)	MPR (dB)										
Channel											Channel																		
Frequency (MHz)											Frequency (MHz)																		
20	QPSK	1	0	16.17	16.20	16.21	17.5	0	24	0	20	QPSK	1	0	22.52	22.56	22.57	23	1	23	0								
20	QPSK	1	49	16.17	16.22	16.19					20	QPSK	1	49	22.50	22.55	22.54												
20	QPSK	1	99	16.23	16.22	16.19					20	QPSK	1	49	22.41	22.47	22.35												
20	QPSK	50	0	16.16	16.20	16.05					20	QPSK	50	0	21.53	21.76	21.68												
20	QPSK	50	24	16.08	16.03	16.06	17.5	0	23	1	20	QPSK	50	24	21.60	21.73	21.67	23	1	23	0								
20	QPSK	50	50	16.00	16.08	16.07					20	QPSK	50	50	21.52	21.60	21.53												
20	QPSK	100	0	16.13	16.16	16.11					20	QPSK	100	0	21.60	21.69	21.56												
20	16QAM	1	0	16.13	16.22	16.19					20	16QAM	1	0	21.65	21.67	21.62												
20	16QAM	1	49	16.03	16.13	16.11	17.5	0	23	1	20	16QAM	1	49	21.69	21.69	21.67	23	1	23	0								
20	16QAM	1	99	16.17	16.21	16.18					20	16QAM	1	99	21.65	21.65	21.62												
20	16QAM	50	24	16.04	16.07	16.10					20	16QAM	50	24	20.73	20.77	20.74												
20	16QAM	50	50	15.99	16.06	16.04					20	16QAM	50	50	20.40	20.56	20.50												
20	16QAM	100	0	16.04	16.06	16.06	17.5	0	22	2	20	16QAM	100	0	20.54	20.61	20.59	22	2	22	0								
20	64QAM	1	0	15.98	16.17	16.02					20	64QAM	1	0	20.74	20.69	20.62												
20	64QAM	1	49	16.07	16.13	16.02					20	64QAM	1	49	20.47	20.58	20.43												
20	64QAM	1	99	16.14	16.10	16.22					20	64QAM	1	99	20.46	20.54	20.44												
20	64QAM	50	0	15.89	16.03	16.04	17.5	0	21	3	20	64QAM	50	0	15.76	15.95	15.99	21	3	21	0								
20	64QAM	50	24	15.99	15.94	15.88					20	64QAM	50	24	16.02	16.02	16.06												
20	64QAM	50	50	16.07	16.05	16.07					20	64QAM	50	50	16.02	16.02	16.06												
20	64QAM	100	0	15.99	16.00	15.98					20	64QAM	100	0	15.97	15.76	15.95												
20	256QAM	1	0	16.09	16.04	16.07	17.5	0	20	4	20	256QAM	1	0	16.08	16.78	16.78	20	4	20	0								
20	256QAM	1	49	16.03	16.15	16.08					20	256QAM	1	49	16.01	16.81	16.81												
20	256QAM	1	99	16.10	16.16	16.10					20	256QAM	1	99	16.07	16.71	16.67												
20	256QAM	50	0	15.95	16.07	16.00					20	256QAM	50	0	16.09	16.06	16.05												
20	256QAM	50	24	15.96	15.98	15.97	17.5	0	20	4	20	256QAM	50	24	15.91	16.01	16.07	20	4	20	0								
20	256QAM	50	50	15.89	16.02	15.90					20	256QAM	50	50	16.00	16.72	16.50												
20	256QAM	100	0	15.92	16.00	15.92					20	256QAM	100	0	16.03	16.67	16.56												
Channel											Channel																		
Frequency (MHz)											Frequency (MHz)																		
15	QPSK	1	0	16.12	16.10	16.14	17.5	0	24	0	15	QPSK	1	0	22.52	22.51	22.50	24	0	24	0								
15	QPSK	1	37	16.06	16.16	16.12					15	QPSK	1	37	22.41	22.47	22.48												
15	QPSK	1	74	16.10	16.10	16.13					15	QPSK	1	74	22.33	22.43	22.26												
15	QPSK	36	0	16.10	16.11	16.01					15	QPSK	36	0	21.29	21.73	21.48												
15	QPSK	36	36	15.95	15.96	15.97	17.5	0	23	1	15	QPSK	36	36	21.33	21.68	21.47	23	1	23	0								
15	QPSK	36	39	15.94	16.02	15.99					15	QPSK	36	39	21.36	21.59	21.47												
15	QPSK	75	0	16.03	16.10	16.04					15	QPSK	75	0	21.45	21.66	21.56												
15	16QAM	1	1	16.03	16.07	16.04					15	16QAM	1	1	21.54	21.62	21.73												
15	16QAM	1	37	15.94	16.05	16.01	17.5	0	23	1	15	16QAM	1	37	21.52	21.64	21.38	23	1	23	0								
15	16QAM	1	74	16.11	16.13	16.03					15	16QAM	1	74	21.52	21.64	21.44												
15	16QAM	36	0	15.92	16.00	15.96					15	16QAM	36	0	20.48	20.63	20.68												
15	16QAM	36	36	15.93	15.91	16.05					15	16QAM	36	36	20.58	20.63	20.64												
15	16QAM	36	39	15.85	16.00	15.96	17.5	0	22	2	15	16QAM	36	39	20.58	20.63	20.69	22	2	22	0								
15	16QAM	75	0	15.91	15.91	16.04					15	16QAM	75	0	20.54	20.63	20.59												
15	64QAM	1	0	16.08	16.11	16.04					15	64QAM	1	0	20.32	20.70	20.45												
15	64QAM	1	37	16.03	16.06	16.04					15	64QAM	1	37	20.32	20.69	20.63												
15	64QAM	1	74	16.06	16.04	16.10	17.5	0	21	3	15	64QAM	1	74	20.32	20.44	20.33	21	3	21	0								
15	64QAM	36	0	16.07	16.03	16.13					15	64QAM	36	0	19.66	19.58	19.61												
15	64QAM	36	36	15.97	16.02	16.17					15	64QAM	36	36	19.39	19.47	19.51												
15	64QAM	75	0	16.08	16.06	16.06					15	64QAM	75	0	19.69	19.74	19.53												
15	256QAM	1	37	16.05	16.07	16.04	17.5	0	20	4	15	256QAM	1	37	16.04	16.67	16.49	20	4	20	0								
15	256QAM	1	74	16.04	16.06	16.07					15	256QAM	1	74	16.38	16.66	16.67												
15	256QAM	36	0	16.06	16.02	16.06					15	256QAM	36	0	16.09	16.61	16.61												
15	256QAM	36	39	15.92	15.92	16.00					15	256QAM	36	39	16.09	16.60	16.72												
15	256QAM	36	39	15.77	15.94	15.76	17.5	0	20	4	15	256QAM	36	39	16.07	16.64	16.30	20	4	20	0								
15	256QAM	75	0	16.06	16.07	15.77					15	256QAM	75	0	16.06	16.74	16.71												
Channel											Channel																		
Frequency (MHz)											Frequency (MHz)																		
10	QPSK	1	0	16.09	16.16	16.14	17.5	0	24	0	10	QPSK	1	0	22.51	22.51	22.51	24	0	24	0								
10	QPSK	1	25	16.03	16.15	16.05					10	QPSK	1	25	22.32	22.41	22.53												
10	QPSK	1	49	16.12	16.17	16.04					10	QPSK	1	49	22.33	22.33	22.15												
10	QPSK	25	0	16.07	16.14	16.05					10	QPSK	25	0	21.67	21.67	21.67												
10	QPSK	25	12	15.96	15.89	15.92	17.5	0	23	1	10	QPSK	25	12	21.43	21.68	21.65	23	1	23	0								
10	QPSK	25	25	15.87	16.01	15.94					10	QPSK	25	25	21.32	21.41	21.53												
10	QPSK	50	0	16.07	16.09	16.06					10	QPSK	50	0	21.63	21.69	21.54												
10	16QAM	1	0	15.99	16.10	16.07					10	16QAM	1	0	21.85	21.69	21.81												
10	16QAM	1	25	16.04	16.11	16.00	17.5	0	23	1	10	16QAM	1	25	21.49	21.47	21.38	23	1	23	0								
10	16QAM	1	49	16.03	16.16	16.06					10	16QAM	1	49	21.61	21.68	21.61												
10	16QAM	25	0	15.91	16.00	15.98					10	16QAM	25	0	20.55	20.64	20.63												
10	16QAM	25	12	15.93	15.86	15.98					10	16QAM	25	12	20.65	20.57	20.73												
10	16QAM	25	13	15.90	15.86	15.94	17.5	0	22	2	10	16QAM	25	13	20.65	20.57	20.73	22	2	22	0								
10	16QAM	50	0	15.94	15.99	15.88					10	16QAM	50	0	20.59	20.67	20.44												
10	64QAM	1	0	16.02	16.03	16.08					10	64QAM	1	0	20.72	20.66	20.42												
10	64QAM	1	25	16.05	16.03	16.08					10	64QAM	1	25	20.30	20.65	20.38												
10	64QAM	1	49	16.08	15.99	16.09	17.5	0	21	3	10	64QAM	1	49	20.39	20.51	20.34	21	3	21	0								
10	64QAM	25	0	16.06	16.07	16.16					10	64QAM	25	0	19.70	19.63	19.58												
10	64QAM	25	12	15.89	15.83	15.91					10	64QAM	25	12	19.51	19.58	19.58												
10	64QAM	50	0	16.03	16.02	15.76					10	64QAM	50	0	19.43	19.53	19.44												
10	256QAM	1	49	16.01	15.89	16.06	17.5	0	20	4	10	256QAM	1	49	16.03	16.66	16.44	20	4	20	0								
10	256QAM	1	25	16.09	16.05	16.01					10	256QAM	1	25	16.00	16.73	16.72												
10	256QAM	25	0	16.00	16.02	16.04					10	256QAM	25	0	16.02	16.36	16.37												
10	256QAM	25	12	15.88	15.84	15.85					10	256QAM	25	12	16.74	16.65	16.84												
10	256QAM	25	13	15.82	15.80	15.76	17.5	0	20	4	10	256QAM	25	13	16.68	16.74	16.71	20	4	20	0								
10	256QAM	50	0	16.05	15.87	15.86					10	256QAM	50	0	16.41	16.61	16.61												
Channel											Channel																		
Frequency (MHz)											Frequency (MHz)																		
5	QPSK	1	0	16.02	16.14	16.11	17.5	0	24	0	5	QPSK	1	0	22.40	22.45	22.40	24	0	24	0								
5	QPSK	1	12	16.04	16.10	16.11					5	QPSK	1	12	22.37	22.54	22.32												
5	QPSK	1	24	16.09	16.09	16.12					5	QPSK	1	24	22.37	22.37	22.17												
5	QPSK	12	0	16.08	16.07	16.02					5	QPSK	12	0	21.52	21.69	21.64												
5	QPSK	12	7	16.00	15.90	15.91	17.5	0	23																				

Band 38 Ant1 DSI3 Standalone									
BW [MHz]	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	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	21.23	21.28	21.18	23.1	0	
20	QPSK	1	49	21.10	21.18	21.18			
20	QPSK	1	99	21.12	21.20	21.23			
20	QPSK	50	0	21.17	21.27	21.07	23.1	0	
20	QPSK	50	24	21.01	21.03	21.02			
20	QPSK	50	50	20.98	21.00	20.98			
20	QPSK	100	0	21.16	21.19	20.97	23.1	0	
20	16QAM	1	0	21.10	21.17	21.14			
20	16QAM	1	49	21.11	21.20	21.10			
20	16QAM	1	99	21.10	21.16	21.14	23.1	0	
20	16QAM	50	0	21.14	21.15	21.11			
20	16QAM	50	24	21.10	21.01	21.10			
20	16QAM	50	50	21.12	21.02	21.12	23.1	0	
20	16QAM	100	0	21.10	21.09	20.94			
20	64QAM	1	0	21.13	21.17	20.98			
20	64QAM	1	49	21.15	21.00	21.02	23.1	0	
20	64QAM	1	99	21.18	21.08	21.13			
20	64QAM	50	0	21.01	21.01	20.82			
20	64QAM	50	24	21.01	20.94	20.85	23.1	0	
20	64QAM	50	50	21.11	20.93	20.92			
20	64QAM	100	0	21.01	20.96	20.94			
20	256QAM	1	0	18.85	19.06	18.83	20	3.1	
20	256QAM	1	49	18.83	18.92	18.79			
20	256QAM	1	99	18.80	18.86	18.82			
20	256QAM	50	0	18.64	18.82	18.72	20	3.1	
20	256QAM	50	24	18.66	18.78	18.82			
20	256QAM	50	50	18.79	18.83	18.77			
20	256QAM	100	0	18.68	18.85	18.52	Tune-up limit (dBm)	MPR (dB)	
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	21.09	21.21	21.07			
15	QPSK	1	37	21.01	21.08	21.11	23.1	0	
15	QPSK	1	74	21.02	21.14	21.14			
15	QPSK	36	0	21.08	21.16	20.96			
15	QPSK	36	20	20.91	20.95	20.90	23.1	0	
15	QPSK	36	39	20.88	20.93	20.92			
15	QPSK	75	0	21.10	21.05	20.88			
15	16QAM	1	0	20.98	21.06	21.03	23.1	0	
15	16QAM	1	37	20.98	21.13	20.97			
15	16QAM	1	74	20.99	21.02	21.07			
15	16QAM	36	0	21.01	21.04	20.97	23.1	0	
15	16QAM	36	20	20.93	20.88	20.91			
15	16QAM	36	39	20.81	20.93	20.93			
15	16QAM	75	0	20.84	21.01	20.83	23.1	0	
15	64QAM	1	0	20.83	21.04	20.85			
15	64QAM	1	37	20.85	20.91	20.92			
15	64QAM	1	74	20.89	21.01	21.00	23.1	0	
15	64QAM	36	0	20.72	20.90	20.68			
15	64QAM	36	20	20.79	20.85	20.71			
15	64QAM	36	39	20.88	20.86	20.86	20	3.1	
15	64QAM	75	0	20.71	20.83	20.85			
15	256QAM	1	0	18.47	18.83	18.57			
15	256QAM	1	37	18.53	18.83	18.79	20	3.1	
15	256QAM	1	74	18.54	18.83	18.86			
15	256QAM	36	0	18.49	18.85	18.57			
15	256QAM	36	20	18.65	18.81	18.67	20	3.1	
15	256QAM	36	39	18.69	18.83	18.73			
15	256QAM	75	0	18.69	18.59	18.56			
Channel				37800	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	21.17	21.20	21.07	23.1	0	
10	QPSK	1	25	21.01	21.05	21.11			
10	QPSK	1	49	21.00	21.08	21.11			
10	QPSK	25	0	21.09	21.17	20.96	23.1	0	
10	QPSK	25	12	20.87	20.89	20.95			
10	QPSK	25	25	20.92	20.90	20.87			
10	QPSK	50	0	21.06	21.05	20.82	23.1	0	
10	16QAM	1	0	21.03	21.06	21.07			
10	16QAM	1	25	21.01	21.08	21.00			
10	16QAM	1	49	21.01	21.05	21.06	23.1	0	
10	16QAM	25	0	20.94	21.08	20.91			
10	16QAM	25	12	20.95	20.89	20.91			
10	16QAM	25	25	20.86	20.87	20.89	23.1	0	
10	16QAM	50	0	20.81	21.04	20.87			
10	64QAM	1	0	20.86	21.05	20.89			
10	64QAM	1	25	20.86	20.86	20.95	23.1	0	
10	64QAM	1	49	20.94	21.01	21.05			
10	64QAM	25	0	20.76	20.93	20.74			
10	64QAM	25	12	20.76	20.83	20.80	23.1	0	
10	64QAM	25	25	20.83	20.88	20.77			
10	64QAM	50	0	20.75	20.89	20.80			
10	256QAM	1	0	18.52	18.86	18.66	20	3.1	
10	256QAM	1	25	18.63	18.76	18.62			
10	256QAM	1	49	18.63	18.68	18.68			
10	256QAM	25	0	18.61	18.72	18.53	20	3.1	
10	256QAM	25	12	18.77	18.77	18.71			
10	256QAM	25	25	18.77	18.64	18.59			
10	256QAM	50	0	18.74	18.62	18.62	Tune-up limit (dBm)	MPR (dB)	
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	21.13	21.22	21.09			
5	QPSK	1	12	20.95	21.11	21.09	23.1	0	
5	QPSK	1	24	21.02	21.09	21.09			
5	QPSK	12	0	21.10	21.20	20.92			
5	QPSK	12	7	20.92	20.96	20.92	23.1	0	
5	QPSK	12	13	20.84	20.92	20.91			
5	QPSK	25	0	21.10	21.13	20.86			
5	16QAM	1	0	20.96	21.05	21.02	23.1	0	
5	16QAM	1	12	20.95	21.07	21.01			
5	16QAM	1	24	20.99	21.10	21.07			
5	16QAM	12	0	20.99	21.08	20.95	23.1	0	
5	16QAM	12	7	20.94	20.93	20.90			
5	16QAM	12	13	20.83	20.95	20.92			
5	16QAM	25	0	20.80	21.00	20.85	23.1	0	
5	64QAM	1	0	20.81	21.10	20.88			
5	64QAM	1	12	20.91	20.92	20.92			
5	64QAM	1	24	20.96	20.96	21.00	23.1	0	
5	64QAM	12	0	20.80	20.88	20.74			
5	64QAM	12	7	20.80	20.87	20.71			
5	64QAM	12	13	20.89	20.81	20.80	20	3.1	
5	64QAM	25	0	20.79	20.90	20.85			
5	256QAM	1	0	18.58	18.90	18.62			
5	256QAM	1	12	18.74	18.61	18.60	20	3.1	
5	256QAM	1	24	18.57	18.79	18.78			
5	256QAM	12	0	18.60	18.80	18.62			
5	256QAM	12	7	18.71	18.70	18.66	20	3.1	
5	256QAM	12	13	18.67	18.63	18.69			
5	256QAM	25	0	18.54	18.78	18.74			

Band 41 PC3 Ant1.DS13 Standalone										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	21.98	22.16	22.21	22.04	21.99	23.1	0
20	QPSK	1	49	21.89	21.94	21.99	22.01	22.08		
20	QPSK	1	99	22.01	21.98	22.07	22.04	22.07		
20	QPSK	50	0	21.98	22.09	22.19	21.91	21.94		
20	QPSK	50	24	21.90	21.86	21.91	21.86	21.81	23.1	0
20	QPSK	50	50	21.88	21.79	21.81	21.80	21.87		
20	QPSK	100	0	21.90	22.05	22.11	21.87	21.90		
20	16QAM	1	0	21.90	21.97	21.98	21.98	21.97		
20	16QAM	1	49	21.91	21.90	22.07	21.96	21.97	23.1	0
20	16QAM	1	99	21.98	21.95	22.03	22.05	22.04		
20	16QAM	50	0	21.88	21.93	22.00	21.94	21.93		
20	16QAM	50	24	22.06	22.07	22.05	22.07	22.04		
20	16QAM	50	50	22.03	22.06	22.03	22.07	22.05	23.1	0
20	16QAM	100	0	22.01	21.96	22.16	21.95	21.94		
20	64QAM	1	0	21.97	22.01	22.11	22.00	22.01		
20	64QAM	1	49	22.06	22.06	22.00	22.05	22.04		
20	64QAM	1	99	22.09	22.02	22.09	22.00	22.19	23.1	0
20	64QAM	50	0	21.84	21.86	22.01	21.90	21.85		
20	64QAM	50	24	21.87	21.85	22.02	21.90	21.85		
20	64QAM	50	50	21.95	22.03	21.98	22.02	21.99		
20	256QAM	100	0	21.85	21.85	21.97	22.01	21.94	23.1	0
20	256QAM	1	0	18.41	18.37	18.54	18.27	18.23		
20	256QAM	1	49	18.42	18.45	18.34	18.49	18.49		
20	256QAM	1	99	18.50	18.37	18.46	18.27	18.44		
20	256QAM	50	0	18.31	18.18	18.37	18.15	18.07	20	3.1
20	256QAM	50	24	18.25	18.08	18.28	18.33	18.38		
20	256QAM	50	50	18.32	18.10	18.26	18.22	18.20		
20	256QAM	100	0	18.15	18.04	18.30	18.18	18.12		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	21.84	22.05	22.13	21.89	21.93	23.10	0
15	QPSK	1	37	21.80	21.86	21.87	21.87	21.83		
15	QPSK	1	74	21.90	21.88	21.98	21.92	21.89		
15	QPSK	36	0	21.90	21.95	22.12	21.76	21.77		
15	QPSK	36	20	21.79	21.71	21.83	21.79	21.75	23.1	0
15	QPSK	36	39	21.77	21.70	21.70	21.72	21.73		
15	QPSK	75	0	21.82	21.97	22.01	21.81	21.78		
15	16QAM	1	0	21.84	21.90	21.88	21.89	21.86		
15	16QAM	1	37	21.79	21.80	21.95	21.91	21.89	23.1	0
15	16QAM	1	74	21.83	21.89	21.89	21.97	21.89		
15	16QAM	36	0	21.78	21.82	21.93	21.82	21.81		
15	16QAM	36	20	22.00	22.01	21.99	21.95	21.92		
15	16QAM	36	39	21.94	21.96	21.98	21.95	21.93	23.1	0
15	16QAM	75	0	21.89	21.87	22.05	21.86	21.84		
15	64QAM	1	0	21.86	21.95	22.01	21.85	21.96		
15	64QAM	1	37	21.98	21.95	21.87	21.97	21.98		
15	64QAM	1	74	21.96	21.93	21.98	21.86	22.09	23.1	0
15	64QAM	36	0	21.72	21.75	21.89	21.78	21.75		
15	64QAM	36	20	21.74	21.71	21.88	21.81	21.71		
15	64QAM	36	39	21.88	21.91	21.85	21.87	21.85		
15	64QAM	75	0	21.74	21.78	21.86	21.87	21.82	20	3.1
15	256QAM	1	0	18.40	18.29	18.40	18.21	18.11		
15	256QAM	1	37	18.49	18.20	18.18	18.39	18.44		
15	256QAM	1	74	18.39	18.07	18.40	18.13	18.45		
15	256QAM	36	0	18.25	18.10	18.33	18.01	18.13	20	3.1
15	256QAM	36	20	18.03	18.08	18.12	18.26	18.27		
15	256QAM	36	39	18.09	18.02	18.17	18.06	18.14		
15	256QAM	75	0	18.12	18.24	18.16	18.07	18.14		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	21.86	22.03	22.13	21.93	21.88	23.10	0
10	QPSK	1	25	21.74	21.83	21.90	21.90	22.00		
10	QPSK	1	49	21.91	21.88	22.01	21.98	22.01		
10	QPSK	25	0	21.87	21.98	22.06	21.76	21.83		
10	QPSK	25	12	21.79	21.80	21.79	21.80	21.70	23.1	0
10	QPSK	25	25	21.76	21.73	21.75	21.72	21.80		
10	QPSK	50	0	21.82	21.94	22.01	21.80	21.76		
10	16QAM	1	0	21.81	21.85	21.90	21.92	21.90		
10	16QAM	1	25	21.76	21.78	21.93	21.89	21.92	23.1	0
10	16QAM	1	49	21.92	21.83	21.94	21.91	21.90		
10	16QAM	25	0	21.83	21.87	21.94	21.88	21.78		
10	16QAM	25	12	21.98	22.02	22.00	21.92	21.99		
10	16QAM	25	25	21.95	21.98	21.94	21.98	21.99	23.1	0
10	16QAM	50	0	21.88	21.85	22.08	21.87	21.87		
10	64QAM	1	0	21.88	21.95	22.02	21.95	21.90		
10	64QAM	1	25	21.94	21.95	21.90	21.93	21.97		
10	64QAM	1	49	21.99	21.88	21.99	21.93	22.09	23.1	0
10	64QAM	25	0	21.71	21.71	21.93	21.77	21.72		
10	64QAM	25	12	21.75	21.80	21.91	21.84	21.77		
10	64QAM	25	25	21.81	21.89	21.87	21.92	21.88		
10	64QAM	50	0	21.75	21.80	21.85	21.86	21.86	20	3.1
10	256QAM	1	0	18.27	18.24	18.41	18.12	18.06		
10	256QAM	1	25	18.46	18.35	18.34	18.46	18.29		
10	256QAM	1	49	18.42	18.11	18.23	18.17	18.27		
10	256QAM	25	0	18.29	18.28	18.11	18.00	18.03	20	3.1
10	256QAM	25	12	18.05	18.25	18.05	18.21	18.19		
10	256QAM	25	25	18.26	18.27	18.06	18.03	18.13		
10	256QAM	50	0	18.13	18.19	18.20	18.16	18.09		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2639.5	2686.5		
5	QPSK	1	0	21.89	22.08	22.12	21.91	21.86	23.10	0
5	QPSK	1	12	21.80	21.81	21.91	21.90	21.99		
5	QPSK	1	24	21.89	21.83	21.97	21.94	22.02		
5	QPSK	12	0	21.85	22.01	22.06	21.79	21.87		
5	QPSK	12	7	21.79	21.79	21.82	21.77	21.71	23.1	0
5	QPSK	12	13	21.79	21.73	21.69	21.71	21.76		
5	QPSK	25	0	21.77	21.96	22.04	21.74	21.84		
5	16QAM	1	0	21.81	21.89	21.86	21.91	21.91		
5	16QAM	1	12	21.76	21.80	21.95	21.86	21.87	23.1	0
5	16QAM	1	24	21.86	21.81	21.97	21.96	21.96		
5	16QAM	12	0	21.81	21.84	21.87	21.84	21.83		
5	16QAM	12	7	21.99	21.97	21.90	21.89	21.89		
5	16QAM	12	13	21.96	21.99	21.97	21.99	21.97	23.1	0
5	16QAM	25	0	21.92	21.85	22.07	21.86	21.88		
5	64QAM	1	0	21.85	21.86	22.04	21.86	21.92		
5	64QAM	1	12	22.00	21.92	21.90	21.93	21.95		
5	64QAM	1	24	22.03	21.93	22.03	21.85	22.11	23.1	0
5	64QAM	12	0	21.77	21.73	21.88	21.80	21.73		
5	64QAM	12	7	21.77	21.76	21.89	21.78	21.75		
5	64QAM	25	0	21.81	21.96	21.88	21.94	21.83		
5	64QAM	25	12	21.74	21.70	21.83	21.91	21.82	20	3.1
5	256QAM	1	0	18.24	18.22	18.49	18.05	18.14		
5	256QAM	1	12	18.31	18.15	18.33	18.35	18.34		
5	256QAM	1	24	18.23	18.27	18.37	18.02	18.31		
5	256QAM	12	0	18.27	18.13	18.14	18.17	18.04	20	3.1
5	256QAM	12	7	18.12	18.18	18.13	18.09	18.30		
5	256QAM	12	13	18.22	18.22	18.22	18.17	18.13		
5	256QAM	25	0	18.13	18.08	18.21	18.16	18.05		

Band 41 PC2 Ant1 DSI3 Standalone											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40620	41055	41490			
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	23.63	23.80	23.83	23.71	23.74	24.7	0	
20	QPSK	1	49	23.57	23.59	23.57	23.67	23.68			
20	QPSK	1	99	23.66	23.60	23.69	23.60	23.66			
20	QPSK	50	0	23.71	23.78	23.82	23.68	23.65	24.7	0	
20	QPSK	50	24	23.52	23.60	23.68	23.75	23.59			
20	QPSK	50	50	23.53	23.61	23.74	23.64	23.62			
20	QPSK	100	0	23.76	23.64	23.78	23.71	23.65	24.7	0	
20	16QAM	1	0	23.50	23.53	23.61	23.61	23.53			
20	16QAM	1	49	23.56	23.55	23.61	23.62	23.56			
20	16QAM	1	99	23.80	23.60	23.57	23.60	23.70	24.7	0	
20	16QAM	50	0	23.49	23.57	23.58	23.54	23.53			
20	16QAM	50	24	23.68	23.71	23.69	23.58	23.70			
20	16QAM	50	50	23.58	23.62	23.61	23.65	23.66	24.7	0	
20	16QAM	100	0	23.64	23.52	23.78	23.52	23.48			
20	64QAM	1	0	23.56	23.63	23.75	23.62	23.65			
20	64QAM	1	49	23.70	23.67	23.64	23.64	23.70	24.7	0	
20	64QAM	1	99	23.65	23.60	23.70	23.65	23.77			
20	64QAM	50	0	23.48	23.41	23.57	23.56	23.45			
20	64QAM	50	24	23.47	23.41	23.67	23.52	23.40	24.7	0	
20	64QAM	50	50	23.59	23.67	23.56	23.57	23.56			
20	64QAM	100	0	23.45	23.47	23.56	23.63	23.55			
20	256QAM	1	0	21.98	21.74	21.85	21.76	21.94	23	1.7	
20	256QAM	1	49	21.87	21.73	21.88	21.91	21.78			
20	256QAM	1	99	21.86	21.98	21.88	21.84	21.92			
20	256QAM	50	0	21.78	21.85	21.84	21.95	21.80	23	1.7	
20	256QAM	50	24	21.92	21.81	21.89	21.96	21.76			
20	256QAM	50	50	21.85	21.86	21.81	21.87	21.68			
20	256QAM	100	0	21.81	21.70	21.87	21.79	21.85			
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5			
15	QPSK	1	0	23.55	23.75	23.73	23.57	23.60	24.70	0	
15	QPSK	1	37	23.52	23.51	23.52	23.60	23.61			
15	QPSK	1	74	23.58	23.54	23.63	23.49	23.52			
15	QPSK	36	0	23.62	23.66	23.77	23.62	23.54	24.7	0	
15	QPSK	36	20	23.39	23.51	23.62	23.64	23.48			
15	QPSK	36	39	23.44	23.47	23.63	23.50	23.52			
15	QPSK	75	0	23.64	23.52	23.65	23.56	23.59	24.7	0	
15	16QAM	1	0	23.40	23.41	23.47	23.53	23.43			
15	16QAM	1	37	23.51	23.46	23.48	23.48	23.48			
15	16QAM	1	74	23.49	23.50	23.49	23.52	23.59	24.7	0	
15	16QAM	36	0	23.35	23.49	23.53	23.39	23.47			
15	16QAM	36	20	23.56	23.58	23.58	23.44	23.56			
15	16QAM	36	39	23.51	23.48	23.54	23.56	23.55	24.7	0	
15	16QAM	75	0	23.56	23.46	23.65	23.39	23.34			
15	64QAM	1	0	23.47	23.49	23.67	23.47	23.58			
15	64QAM	1	37	23.55	23.54	23.52	23.57	23.64	24.7	0	
15	64QAM	1	74	23.52	23.45	23.59	23.54	23.64			
15	64QAM	36	0	23.43	23.29	23.49	23.42	23.30			
15	64QAM	36	20	23.34	23.33	23.56	23.43	23.27	24.7	0	
15	64QAM	36	39	23.50	23.58	23.49	23.45	23.45			
15	64QAM	75	0	23.40	23.40	23.42	23.56	23.40			
15	256QAM	1	0	21.83	21.56	21.78	21.70	21.87	23	1.7	
15	256QAM	1	37	21.69	21.57	21.77	21.89	21.67			
15	256QAM	1	74	21.72	21.80	21.53	21.76	21.82			
15	256QAM	36	0	21.70	21.74	21.72	21.85	21.67	23	1.7	
15	256QAM	36	20	21.76	21.67	21.76	21.89	21.70			
15	256QAM	36	39	21.71	21.81	21.64	21.76	21.54			
15	256QAM	75	0	21.63	21.55	21.71	21.69	21.76			
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501	2547	2593	2639	2685			
10	QPSK	1	0	23.53	23.66	23.71	23.59	23.68	24.70	0	
10	QPSK	1	25	23.48	23.52	23.47	23.62	23.61			
10	QPSK	1	49	23.53	23.54	23.58	23.45	23.59			
10	QPSK	25	0	23.62	23.67	23.67	23.60	23.51	24.7	0	
10	QPSK	25	12	23.46	23.47	23.56	23.63	23.54			
10	QPSK	25	25	23.40	23.56	23.63	23.57	23.47			
10	QPSK	50	0	23.68	23.54	23.71	23.62	23.55	24.7	0	
10	16QAM	1	0	23.38	23.39	23.53	23.51	23.40			
10	16QAM	1	25	23.42	23.43	23.50	23.51	23.44			
10	16QAM	1	49	23.53	23.51	23.44	23.50	23.63	24.7	0	
10	16QAM	25	0	23.41	23.43	23.47	23.46	23.42			
10	16QAM	25	12	23.57	23.61	23.58	23.53	23.63			
10	16QAM	25	25	23.44	23.56	23.50	23.56	23.53	24.7	0	
10	16QAM	50	0	23.56	23.42	23.67	23.39	23.41			
10	64QAM	1	0	23.47	23.54	23.70	23.56	23.58			
10	64QAM	1	25	23.60	23.61	23.58	23.54	23.62	24.7	0	
10	64QAM	1	49	23.60	23.54	23.60	23.59	23.64			
10	64QAM	25	0	23.37	23.27	23.43	23.48	23.38			
10	64QAM	25	12	23.37	23.34	23.60	23.40	23.26	24.7	0	
10	64QAM	25	25	23.45	23.57	23.47	23.48	23.44			
10	64QAM	50	0	23.31	23.35	23.50	23.51	23.47			
10	256QAM	1	0	21.91	21.63	21.79	21.62	21.89	23	1.7	
10	256QAM	1	25	21.81	21.57	21.85	21.79	21.70			
10	256QAM	1	49	21.69	21.91	21.59	21.68	21.83			
10	256QAM	25	0	21.68	21.71	21.71	21.78	21.68	23	1.7	
10	256QAM	25	12	21.82	21.74	21.83	21.85	21.69			
10	256QAM	25	25	21.81	21.72	21.64	21.84	21.55			
10	256QAM	50	0	21.65	21.63	21.74	21.75	21.79			
Channel				39675	40148	40620	41093	41566	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5			
5	QPSK	1	0	23.50	23.72	23.73	23.58	23.69	24.70	0	
5	QPSK	1	12	23.45	23.48	23.50	23.55	23.63			
5	QPSK	1	24	23.56	23.46	23.60	23.54	23.53			
5	QPSK	12	0	23.64	23.65	23.70	23.59	23.55	24.7	0	
5	QPSK	12	7	23.43	23.46	23.62	23.61	23.46			
5	QPSK	12	13	23.40	23.54	23.65	23.56	23.55			
5	QPSK	25	0	23.66	23.53	23.70	23.62	23.59	24.7	0	
5	16QAM	1	0	23.42	23.46	23.55	23.56	23.42			
5	16QAM	1	12	23.49	23.43	23.54	23.53	23.50			
5	16QAM	1	24	23.46	23.47	23.47	23.48	23.62	24.7	0	
5	16QAM	12	0	23.38	23.47	23.46	23.41	23.42			
5	16QAM	12	7	23.54	23.65	23.60	23.43	23.64	24.7	0	
5	16QAM	12	13	23.48	23.53	23.47	23.56	23.53			
5	16QAM	25	0	23.49	23.42	23.66	23.46	23.39			
5	64QAM	1	0	23.50	23.55	23.65	23.48	23.53	24.7	0	
5	64QAM	1	12	23.58	23.56	23.49	23.55	23.59			
5	64QAM	1	24	23.59	23.47	23.60	23.53	23.67			
5	64QAM	12	0	23.42	23.32	23.42	23.49	23.37	24.7	0	
5	64QAM	12	7	23.39	23.30	23.53	23.41	23.27			
5	64QAM	12	13	23.45	23.60	23.44	23.44	23.48			
5	64QAM	25	0	23.34	23.39	23.48	23.51	23.46	23	1.7	
5	256QAM	1	0	21.87	21.61	21.79	21.58	21.89			
5	256QAM	1	12	21.81	21.68	21.84	21.79	21.70			
5	256QAM	1	24	21.78	21.89	21.60	21.72	21.80	23	1.7	
5	256QAM	12	0	21.61	21.82	21.68	21.84	21.71			
5	256QAM	12	7	21.80	21.71	21.73	21.88	21.63			
5	256QAM	12	13	21.70	21.81	21.70	21.83	21.56			
5	256QAM	25	0	21.77	21.56	21.82	21.67	21.72			

Band 38 Ant1 DSI3 Simultaneous									
BW [MHz]	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	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	17.47	17.73	17.41	19.1	0	
20	QPSK	1	49	17.47	17.51	17.44			
20	QPSK	1	99	17.62	17.59	17.61			
20	QPSK	50	0	17.42	17.67	17.57	19.1	0	
20	QPSK	50	24	17.40	17.46	17.31			
20	QPSK	50	50	17.42	17.34	17.39			
20	QPSK	100	0	17.32	17.60	17.50	19.1	0	
20	16QAM	1	0	17.58	17.44	17.52			
20	16QAM	1	49	17.50	17.48	17.52			
20	16QAM	1	99	17.55	17.59	17.51	19.1	0	
20	16QAM	50	0	17.47	17.45	17.37			
20	16QAM	50	24	17.37	17.37	17.45			
20	16QAM	50	50	17.43	17.45	17.42	19.1	0	
20	16QAM	100	0	17.36	17.46	17.37			
20	64QAM	1	0	17.30	17.44	17.46			
20	64QAM	1	49	17.37	17.40	17.44	19.1	0	
20	64QAM	1	99	17.50	17.35	17.36			
20	64QAM	50	0	17.24	17.21	17.23			
20	64QAM	50	24	17.37	17.41	17.33	19.1	0	
20	64QAM	50	50	17.35	17.44	17.28			
20	64QAM	100	0	17.30	17.28	17.22			
20	256QAM	1	0	17.54	17.49	17.45	19.1	0	
20	256QAM	1	49	17.43	17.40	17.31			
20	256QAM	1	99	17.44	17.43	17.55			
20	256QAM	50	0	17.36	17.33	17.32	19.1	0	
20	256QAM	50	24	17.36	17.42	17.30			
20	256QAM	50	50	17.23	17.35	17.29			
20	256QAM	100	0	17.32	17.25	17.23	Tune-up limit (dBm)	MPR (dB)	
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	17.43	17.66	17.30			
15	QPSK	1	37	17.35	17.39	17.31	19.1	0	
15	QPSK	1	74	17.56	17.51	17.54			
15	QPSK	36	0	17.26	17.34	17.52			
15	QPSK	36	20	17.28	17.33	17.17	19.1	0	
15	QPSK	36	39	17.27	17.25	17.33			
15	QPSK	75	0	17.28	17.40	17.40			
15	16QAM	1	0	17.54	17.29	17.47	19.1	0	
15	16QAM	1	37	17.41	17.45	17.44			
15	16QAM	1	74	17.39	17.53	17.44			
15	16QAM	36	0	17.37	17.30	17.32	19.1	0	
15	16QAM	36	20	17.26	17.31	17.36			
15	16QAM	36	39	17.29	17.35	17.32			
15	16QAM	75	0	17.30	17.39	17.20	19.1	0	
15	64QAM	1	0	17.17	17.36	17.31			
15	64QAM	1	37	17.32	17.27	17.27			
15	64QAM	1	74	17.39	17.30	17.28	19.1	0	
15	64QAM	36	0	17.16	17.16	17.27			
15	64QAM	36	20	17.27	17.33	17.25			
15	64QAM	36	39	17.31	17.33	17.23	19.1	0	
15	64QAM	75	0	17.18	17.20	17.11			
15	256QAM	1	0	17.41	17.33	17.32			
15	256QAM	1	37	17.28	17.30	17.24	19.1	0	
15	256QAM	1	74	17.37	17.27	17.42			
15	256QAM	36	0	17.24	17.17	17.24			
15	256QAM	36	20	17.20	17.34	17.19	19.1	0	
15	256QAM	36	39	17.27	17.27	17.17			
15	256QAM	75	0	17.18	17.19	17.12			
Channel				37800	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	17.38	17.58	17.37	19.1	0	
10	QPSK	1	25	17.41	17.40	17.36			
10	QPSK	1	49	17.52	17.50	17.50			
10	QPSK	25	0	17.30	17.32	17.44	19.1	0	
10	QPSK	25	12	17.29	17.33	17.23			
10	QPSK	25	25	17.32	17.30	17.32			
10	QPSK	50	0	17.25	17.39	17.38	19.1	0	
10	16QAM	1	0	17.46	17.32	17.36			
10	16QAM	1	25	17.46	17.35	17.46			
10	16QAM	1	49	17.40	17.47	17.41	19.1	0	
10	16QAM	25	0	17.36	17.36	17.26			
10	16QAM	25	12	17.22	17.20	17.29			
10	16QAM	25	25	17.35	17.29	17.26	19.1	0	
10	16QAM	50	0	17.29	17.38	17.31			
10	64QAM	1	0	17.14	17.38	17.41			
10	64QAM	1	25	17.25	17.31	17.33	19.1	0	
10	64QAM	1	49	17.42	17.24	17.23			
10	64QAM	25	0	17.15	17.37	17.39			
10	64QAM	25	12	17.33	17.25	17.29	19.1	0	
10	64QAM	25	25	17.24	17.34	17.24			
10	64QAM	50	0	17.19	17.16	17.11			
10	256QAM	1	0	17.45	17.45	17.35	19.1	0	
10	256QAM	1	25	17.35	17.34	17.15			
10	256QAM	1	49	17.32	17.26	17.38			
10	256QAM	25	0	17.32	17.19	17.24	19.1	0	
10	256QAM	25	12	17.31	17.25	17.24			
10	256QAM	25	25	17.12	17.19	17.14			
10	256QAM	50	0	17.17	17.14	17.15	Tune-up limit (dBm)	MPR (dB)	
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	17.33	17.57	17.36			
5	QPSK	1	12	17.33	17.37	17.34	19.1	0	
5	QPSK	1	24	17.57	17.54	17.44			
5	QPSK	12	0	17.31	17.42	17.46			
5	QPSK	12	7	17.31	17.38	17.24	19.1	0	
5	QPSK	12	13	17.32	17.28	17.31			
5	QPSK	25	0	17.23	17.35	17.46			
5	16QAM	1	0	17.55	17.41	17.49	19.1	0	
5	16QAM	1	12	17.44	17.32	17.49			
5	16QAM	1	24	17.52	17.43	17.45			
5	16QAM	12	0	17.37	17.39	17.31	19.1	0	
5	16QAM	12	7	17.25	17.25	17.32			
5	16QAM	12	13	17.28	17.41	17.35			
5	16QAM	25	0	17.30	17.33	17.29	19.1	0	
5	64QAM	1	0	17.21	17.28	17.37			
5	64QAM	1	12	17.25	17.26	17.32			
5	64QAM	1	24	17.46	17.20	17.25	19.1	0	
5	64QAM	12	0	17.19	17.10	17.38			
5	64QAM	12	7	17.24	17.27	17.20			
5	64QAM	12	13	17.20	17.33	17.15	19.1	0	
5	64QAM	25	0	17.24	17.15	17.15			
5	256QAM	1	0	17.46	17.40	17.35			
5	256QAM	1	12	17.39	17.32	17.19	19.1	0	
5	256QAM	1	24	17.35	17.38	17.39			
5	256QAM	12	0	17.29	17.17	17.27			
5	256QAM	12	7	17.23	17.31	17.27	19.1	0	
5	256QAM	12	13	17.14	17.22	17.22			
5	256QAM	25	0	17.23	17.20	17.29			

Band 41 Ant1 DS13 Simultaneous										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	17.80	17.73	17.96	17.84	17.95	19.1	0
20	QPSK	1	49	17.85	17.76	17.89	17.84	17.85		
20	QPSK	1	99	17.83	17.90	17.88	17.85	17.90		
20	QPSK	50	0	17.82	17.88	17.91	17.80	17.88		
20	QPSK	50	24	17.74	17.65	17.75	17.75	17.77	19.1	0
20	QPSK	50	50	17.70	17.71	17.70	17.77	17.77		
20	QPSK	100	0	17.75	17.74	17.89	17.67	17.73		
20	16QAM	1	0	17.78	17.84	17.85	17.83	17.89		
20	16QAM	1	49	17.82	17.79	17.92	17.82	17.85	19.1	0
20	16QAM	1	99	17.91	17.87	17.91	17.86	17.89		
20	16QAM	50	0	17.71	17.69	17.82	17.80	17.74		
20	16QAM	50	24	17.70	17.76	17.89	17.70	17.74		
20	16QAM	50	50	17.78	17.69	17.80	17.74	17.73	19.1	0
20	16QAM	100	0	17.70	17.71	17.71	17.65	17.65		
20	64QAM	1	0	17.71	17.72	17.79	17.70	17.72		
20	64QAM	1	49	17.69	17.67	17.75	17.75	17.77		
20	64QAM	1	99	17.71	17.73	17.84	17.84	17.88	19.1	0
20	64QAM	50	0	17.57	17.55	17.61	17.57	17.58		
20	64QAM	50	24	17.66	17.60	17.56	17.60	17.60		
20	64QAM	50	50	17.68	17.58	17.66	17.55	17.55		
20	64QAM	100	0	17.60	17.57	17.62	17.62	17.66	19.1	0
20	256QAM	1	0	17.73	17.75	17.79	17.75	17.74		
20	256QAM	1	49	17.70	17.66	17.79	17.80	17.76		
20	256QAM	1	99	17.75	17.81	17.84	17.76	17.79		
20	256QAM	50	0	17.64	17.60	17.78	17.69	17.67	19.1	0
20	256QAM	50	24	17.69	17.59	17.57	17.66	17.70		
20	256QAM	50	50	17.65	17.61	17.71	17.59	17.63		
20	256QAM	100	0	17.57	17.59	17.74	17.63	17.66		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	17.73	17.59	17.84	17.61	17.72	19.10	0
15	QPSK	1	37	17.78	17.63	17.78	17.79	17.72		
15	QPSK	1	74	17.71	17.77	17.78	17.71	17.78		
15	QPSK	36	0	17.72	17.79	17.82	17.73	17.77		
15	QPSK	36	20	17.61	17.57	17.62	17.67	17.66	19.1	0
15	QPSK	36	39	17.58	17.61	17.63	17.67	17.63		
15	QPSK	75	0	17.60	17.61	17.82	17.54	17.67		
15	16QAM	1	0	17.73	17.73	17.71	17.72	17.79		
15	16QAM	1	37	17.71	17.66	17.81	17.72	17.74	19.1	0
15	16QAM	1	74	17.77	17.72	17.85	17.71	17.83		
15	16QAM	36	0	17.60	17.60	17.69	17.68	17.67		
15	16QAM	36	20	17.63	17.66	17.55	17.59	17.63		
15	16QAM	36	39	17.69	17.61	17.68	17.63	17.62	19.1	0
15	16QAM	75	0	17.59	17.58	17.59	17.57	17.54		
15	64QAM	1	0	17.60	17.60	17.68	17.63	17.65		
15	64QAM	1	37	17.58	17.57	17.69	17.62	17.70		
15	64QAM	1	74	17.57	17.68	17.73	17.78	17.78	19.1	0
15	64QAM	36	0	17.46	17.44	17.53	17.48	17.50		
15	64QAM	36	20	17.58	17.48	17.50	17.54	17.49		
15	64QAM	36	39	17.54	17.51	17.51	17.43	17.49		
15	64QAM	75	0	17.45	17.43	17.51	17.52	17.53	19.1	0
15	256QAM	1	0	17.62	17.70	17.64	17.67	17.66		
15	256QAM	1	37	17.64	17.58	17.74	17.74	17.68		
15	256QAM	1	74	17.70	17.68	17.71	17.71	17.70		
15	256QAM	36	0	17.57	17.54	17.67	17.64	17.61	19.1	0
15	256QAM	36	20	17.64	17.51	17.42	17.60	17.59		
15	256QAM	36	39	17.56	17.54	17.60	17.49	17.53		
15	256QAM	75	0	17.51	17.47	17.62	17.53	17.56		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	17.73	17.61	17.79	17.55	17.73	19.10	0
10	QPSK	1	25	17.73	17.67	17.81	17.72	17.74		
10	QPSK	1	49	17.72	17.77	17.74	17.80	17.83		
10	QPSK	25	0	17.72	17.73	17.84	17.70	17.75		
10	QPSK	25	12	17.67	17.51	17.69	17.66	17.64	19.1	0
10	QPSK	25	25	17.63	17.62	17.58	17.68	17.70		
10	QPSK	50	0	17.66	17.69	17.81	17.56	17.65		
10	16QAM	1	0	17.66	17.74	17.77	17.71	17.81		
10	16QAM	1	25	17.73	17.71	17.79	17.70	17.79	19.1	0
10	16QAM	1	49	17.80	17.79	17.77	17.72	17.80		
10	16QAM	25	0	17.56	17.62	17.73	17.68	17.66		
10	16QAM	25	12	17.56	17.69	17.58	17.59	17.59		
10	16QAM	25	25	17.67	17.58	17.74	17.68	17.64	19.1	0
10	16QAM	50	0	17.65	17.64	17.59	17.50	17.53		
10	64QAM	1	0	17.59	17.63	17.70	17.55	17.62		
10	64QAM	1	25	17.57	17.56	17.70	17.70	17.67		
10	64QAM	1	49	17.59	17.62	17.70	17.75	17.74	19.1	0
10	64QAM	25	0	17.44	17.43	17.54	17.48	17.51		
10	64QAM	25	12	17.60	17.51	17.46	17.54	17.53		
10	64QAM	25	25	17.62	17.44	17.52	17.44	17.50		
10	64QAM	50	0	17.45	17.44	17.54	17.52	17.55	19.1	0
10	256QAM	1	0	17.63	17.66	17.66	17.70	17.60		
10	256QAM	1	25	17.58	17.53	17.73	17.72	17.64		
10	256QAM	1	49	17.67	17.72	17.71	17.68	17.71		
10	256QAM	25	0	17.56	17.45	17.63	17.56	17.54	19.1	0
10	256QAM	25	12	17.55	17.48	17.44	17.52	17.64		
10	256QAM	25	25	17.59	17.53	17.66	17.54	17.50		
10	256QAM	50	0	17.46	17.52	17.63	17.50	17.51		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.5	2593	2639.5	2687.5		
5	QPSK	1	0	17.67	17.62	17.82	17.59	17.72	19.10	0
5	QPSK	1	12	17.77	17.65	17.82	17.75	17.79		
5	QPSK	1	24	17.78	17.85	17.81	17.76	17.85		
5	QPSK	12	0	17.73	17.82	17.80	17.70	17.81		
5	QPSK	12	7	17.67	17.54	17.63	17.67	17.72	19.1	0
5	QPSK	12	13	17.56	17.56	17.63	17.66	17.70		
5	QPSK	25	0	17.62	17.61	17.76	17.52	17.58		
5	16QAM	1	0	17.67	17.76	17.76	17.68	17.79		
5	16QAM	1	12	17.73	17.68	17.87	17.71	17.78	19.1	0
5	16QAM	1	24	17.86	17.80	17.78	17.73	17.83		
5	16QAM	12	0	17.63	17.56	17.68	17.73	17.68		
5	16QAM	12	7	17.57	17.62	17.58	17.62	17.59		
5	16QAM	12	13	17.69	17.55	17.73	17.68	17.66	19.1	0
5	16QAM	25	0	17.65	17.64	17.65	17.50	17.55		
5	64QAM	1	0	17.58	17.61	17.71	17.63	17.61		
5	64QAM	1	12	17.62	17.59	17.65	17.67	17.71		
5	64QAM	1	24	17.62	17.62	17.76	17.78	17.79	19.1	0
5	64QAM	12	0	17.44	17.42	17.55	17.49	17.47		
5	64QAM	12	7	17.56	17.45	17.49	17.49	17.52		
5	64QAM	12	13	17.56	17.46	17.49	17.49	17.47		
5	64QAM	25	0	17.54	17.43	17.52	17.51	17.52	19.1	0
5	256QAM	1	0	17.62	17.69	17.73	17.69	17.63		
5	256QAM	1	12	17.62	17.59	17.66	17.73	17.69		
5	256QAM	1	24	17.61	17.68	17.77	17.68	17.68		
5	256QAM	12	0	17.51	17.47	17.66	17.55	17.56	19.1	0
5	256QAM	12	7	17.55	17.49	17.47	17.53	17.58		
5	256QAM	12	13	17.53	17.52	17.59	17.49	17.53		
5	256QAM	25	0	17.48	17.46	17.65	17.50	17.55		

Band 41 HPUE Ant1 DSI3 Simultaneous

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	19.71	19.81	19.87	19.75	19.62	20.7	0
20	QPSK	1	49	19.76	19.80	19.75	19.77	19.63		
20	QPSK	1	99	19.80	19.60	19.69	19.71	19.85		
20	QPSK	50	0	19.63	19.61	19.77	19.54	19.73	20.7	0
20	QPSK	50	24	19.66	19.66	19.74	19.70	19.66		
20	QPSK	50	50	19.71	19.67	19.73	19.72	19.67		
20	QPSK	100	0	19.54	19.64	19.73	19.53	19.58	20.7	0
20	16QAM	1	0	19.83	19.81	19.79	19.64	19.85		
20	16QAM	1	49	19.74	19.77	19.73	19.83	19.84		
20	16QAM	1	99	19.78	19.82	19.86	19.62	19.58	20.7	0
20	16QAM	50	0	19.78	19.72	19.72	19.86	19.73		
20	16QAM	50	24	19.72	19.79	19.70	19.72	19.76		
20	16QAM	50	50	19.75	19.76	19.72	19.76	19.73	20.7	0
20	16QAM	100	0	19.69	19.64	19.73	19.79	19.65		
20	64QAM	1	0	19.70	19.62	19.70	19.82	19.68		
20	64QAM	1	49	19.63	19.65	19.69	19.73	19.75	20.7	0
20	64QAM	1	99	19.76	19.73	19.71	19.78	19.69		
20	64QAM	50	0	19.61	19.58	19.65	19.72	19.64		
20	64QAM	50	24	19.60	19.62	19.61	19.55	19.62	20.7	0
20	64QAM	50	50	19.68	19.61	19.59	19.57	19.57		
20	64QAM	100	0	19.63	19.66	19.63	19.60	19.55		
20	256QAM	1	0	19.76	19.80	19.82	19.73	19.69	20.7	0
20	256QAM	1	49	19.76	19.69	19.69	19.68	19.76		
20	256QAM	1	99	19.75	19.81	19.79	19.82	19.74		
20	256QAM	50	0	19.60	19.62	19.62	19.75	19.74	20.7	0
20	256QAM	50	24	19.68	19.62	19.62	19.64	19.69		
20	256QAM	50	50	19.61	19.62	19.60	19.66	19.61		
20	256QAM	100	0	19.66	19.58	19.62	19.74	19.58		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	19.66	19.74	19.77	19.66	19.52	20.70	0
15	QPSK	1	37	19.65	19.69	19.66	19.72	19.51		
15	QPSK	1	74	19.73	19.52	19.63	19.56	19.71		
15	QPSK	36	0	19.57	19.52	19.70	19.39	19.65	20.7	0
15	QPSK	36	20	19.60	19.53	19.62	19.57	19.57		
15	QPSK	36	39	19.65	19.53	19.62	19.60	19.58		
15	QPSK	75	0	19.45	19.55	19.61	19.45	19.53	20.7	0
15	16QAM	1	0	19.69	19.75	19.73	19.54	19.71		
15	16QAM	1	37	19.68	19.66	19.67	19.77	19.70		
15	16QAM	1	74	19.67	19.71	19.79	19.55	19.52	20.7	0
15	16QAM	36	0	19.73	19.60	19.58	19.74	19.67		
15	16QAM	36	20	19.57	19.68	19.56	19.65	19.69		
15	16QAM	36	39	19.69	19.65	19.67	19.67	19.63	20.7	0
15	16QAM	75	0	19.62	19.57	19.67	19.71	19.56		
15	64QAM	1	0	19.62	19.50	19.65	19.70	19.62		
15	64QAM	1	37	19.50	19.59	19.56	19.65	19.68	20.7	0
15	64QAM	1	74	19.61	19.66	19.59	19.66	19.63		
15	64QAM	36	0	19.50	19.52	19.57	19.61	19.57		
15	64QAM	36	20	19.53	19.55	19.51	19.45	19.51	20.7	0
15	64QAM	36	39	19.62	19.46	19.50	19.49	19.49		
15	64QAM	75	0	19.56	19.52	19.51	19.46	19.49		
15	256QAM	1	0	19.65	19.67	19.67	19.59	19.56	20.7	0
15	256QAM	1	37	19.66	19.62	19.57	19.55	19.64		
15	256QAM	1	74	19.69	19.71	19.66	19.74	19.64		
15	256QAM	36	0	19.46	19.48	19.48	19.60	19.66	20.7	0
15	256QAM	36	20	19.60	19.55	19.49	19.52	19.63		
15	256QAM	36	39	19.48	19.50	19.52	19.55	19.51		
15	256QAM	75	0	19.52	19.49	19.51	19.66	19.50		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	19.65	19.72	19.73	19.67	19.48	20.70	0
10	QPSK	1	25	19.62	19.67	19.69	19.64	19.55		
10	QPSK	1	49	19.66	19.55	19.54	19.62	19.70		
10	QPSK	25	0	19.52	19.49	19.65	19.41	19.67	20.7	0
10	QPSK	25	12	19.59	19.52	19.69	19.60	19.55		
10	QPSK	25	25	19.65	19.60	19.65	19.62	19.58		
10	QPSK	50	0	19.46	19.54	19.68	19.47	19.45	20.7	0
10	16QAM	1	0	19.72	19.72	19.65	19.51	19.76		
10	16QAM	1	25	19.59	19.65	19.63	19.72	19.71		
10	16QAM	1	49	19.70	19.68	19.72	19.50	19.51	20.7	0
10	16QAM	25	0	19.65	19.62	19.57	19.79	19.62		
10	16QAM	25	12	19.66	19.74	19.60	19.65	19.66		
10	16QAM	25	25	19.67	19.67	19.57	19.68	19.63	20.7	0
10	16QAM	50	0	19.59	19.50	19.61	19.69	19.56		
10	64QAM	1	0	19.58	19.55	19.63	19.75	19.63		
10	64QAM	1	25	19.58	19.56	19.58	19.67	19.65	20.7	0
10	64QAM	1	49	19.62	19.59	19.57	19.72	19.63		
10	64QAM	25	0	19.50	19.50	19.54	19.59	19.50		
10	64QAM	25	12	19.49	19.56	19.51	19.50	19.47	20.7	0
10	64QAM	25	25	19.60	19.51	19.47	19.45	19.51		
10	64QAM	50	0	19.52	19.54	19.56	19.51	19.48		
10	256QAM	1	0	19.62	19.67	19.71	19.66	19.55	20.7	0
10	256QAM	1	25	19.67	19.59	19.63	19.56	19.69		
10	256QAM	1	49	19.65	19.71	19.71	19.76	19.62		
10	256QAM	25	0	19.53	19.56	19.48	19.69	19.61	20.7	0
10	256QAM	25	12	19.58	19.54	19.55	19.53	19.57		
10	256QAM	25	25	19.48	19.49	19.51	19.56	19.48		
10	256QAM	50	0	19.59	19.47	19.53	19.66	19.47		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	19.64	19.70	19.81	19.63	19.55	20.70	0
5	QPSK	1	12	19.64	19.71	19.65	19.67	19.48		
5	QPSK	1	24	19.73	19.49	19.62	19.56	19.75		
5	QPSK	12	0	19.52	19.48	19.70	19.47	19.61	20.7	0
5	QPSK	12	7	19.53	19.52	19.67	19.62	19.57		
5	QPSK	12	13	19.65	19.54	19.61	19.63	19.54		
5	QPSK	25	0	19.46	19.53	19.61	19.42	19.47	20.7	0
5	16QAM	1	0	19.71	19.69	19.65	19.50	19.76		
5	16QAM	1	12	19.64	19.63	19.60	19.69	19.75		
5	16QAM	1	24	19.69	19.70	19.79	19.53	19.47	20.7	0
5	16QAM	12	0	19.63	19.63	19.62	19.73	19.67		
5	16QAM	12	7	19.66	19.65	19.63	19.60	19.61		
5	16QAM	12	13	19.65	19.62	19.60	19.64	19.61	20.7	0
5	16QAM	25	0	19.63	19.57	19.67	19.65	19.51		
5	64QAM	1	0	19.63	19.54	19.62	19.69	19.57		
5	64QAM	1	12	19.48	19.55	19.63	19.62	19.70	20.7	0
5	64QAM	1	24	19.69	19.63	19.58	19.73	19.54		
5	64QAM	12	0	19.50	19.45	19.54	19.66	19.55		
5	64QAM	12	7	19.50	19.48	19.53	19.44	19.52	20.7	0
5	64QAM	12	13	19.62	19.48	19.53	19.49	19.52		
5	64QAM	25	0	19.48	19.51	19.55	19.48	19.44		
5	256QAM	1	0	19.69	19.70	19.69	19.62	19.63	20.7	0
5	256QAM	1	12	19.69	19.63	19.55	19.59	19.66	20.7	0
5	256QAM	1	24	19.63	19.71	19.70	19.69	19.68		
5	256QAM	12	0	19.52	19.56	19.47	19.68	19.67		
5	256QAM	12	7	19.57	19.56	19.51	19.50	19.64	20.7	0
5	256QAM	12	13	19.55	19.57	19.49	19.55	19.47		
5	256QAM	25	0	19.57	19.46	19.50	19.66	19.44		

Band 48 Ant2 DSI3 Standalone

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	16.48	16.53	16.55	16.54	17.8	0
20	QPSK	1	49	16.43	16.30	16.54	16.31		
20	QPSK	1	99	16.32	16.28	16.48	16.29		
20	QPSK	50	0	16.45	16.41	16.54	16.50		
20	QPSK	50	24	16.38	16.43	16.52	16.34	17.8	0
20	QPSK	50	50	16.46	16.46	16.51	16.43		
20	QPSK	100	0	16.20	16.44	16.50	16.35		
20	16QAM	1	0	16.30	16.49	16.47	16.18		
20	16QAM	1	49	16.48	16.50	16.46	16.47	17.8	0
20	16QAM	1	99	16.39	16.42	16.44	16.50		
20	16QAM	50	0	16.32	16.38	16.34	16.47		
20	16QAM	50	24	16.48	16.39	16.39	16.40		
20	16QAM	50	50	16.43	16.47	16.47	16.50	17.8	0
20	16QAM	100	0	16.48	16.33	16.49	16.28		
20	64QAM	1	0	16.41	16.27	16.48	16.40		
20	64QAM	1	49	16.21	16.23	16.37	16.40		
20	64QAM	1	99	16.45	16.40	16.48	16.29	17.8	0
20	64QAM	50	0	16.17	16.20	16.26	16.13		
20	64QAM	50	24	16.30	16.38	16.32	16.31		
20	64QAM	50	50	16.46	16.50	16.54	16.53		
20	64QAM	100	0	16.14	16.23	16.35	16.28	17.8	0
20	256QAM	1	0	16.31	16.17	16.35	16.28		
20	256QAM	1	49	16.42	16.48	16.51	16.33		
20	256QAM	1	99	16.41	16.43	16.38	16.20		
20	256QAM	50	0	16.29	16.37	16.46	16.15	17.8	0
20	256QAM	50	24	16.23	16.30	16.40	16.21		
20	256QAM	50	50	16.54	16.49	16.46	16.44		
20	256QAM	100	0	16.43	16.48	16.40	16.51		
Channel				55315	55820	56180	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	16.36	16.44	16.40	16.46		
15	QPSK	1	37	16.31	16.19	16.47	16.18	17.8	0
15	QPSK	1	74	16.18	16.18	16.42	16.17		
15	QPSK	36	0	16.35	16.28	16.40	16.35		
15	QPSK	36	20	16.26	16.32	16.44	16.22		
15	QPSK	36	39	16.35	16.37	16.44	16.33	17.8	0
15	QPSK	75	0	16.10	16.29	16.36	16.25		
15	16QAM	1	0	16.21	16.41	16.36	16.12		
15	16QAM	1	37	16.33	16.43	16.37	16.35		
15	16QAM	1	74	16.29	16.29	16.37	16.41	17.8	0
15	16QAM	36	0	16.20	16.25	16.26	16.37		
15	16QAM	36	20	16.42	16.24	16.28	16.28		
15	16QAM	36	39	16.28	16.40	16.34	16.41		
15	16QAM	75	0	16.33	16.22	16.35	16.20	17.8	0
15	64QAM	1	0	16.34	16.21	16.34	16.30		
15	64QAM	1	37	16.13	16.08	16.24	16.34		
15	64QAM	1	74	16.37	16.29	16.41	16.17		
15	64QAM	36	0	16.11	16.15	16.19	16.03	17.8	0
15	64QAM	36	20	16.20	16.25	16.18	16.17		
15	64QAM	36	39	16.36	16.45	16.42	16.43		
15	64QAM	75	0	16.03	16.14	16.21	16.22		
15	256QAM	1	0	16.17	16.09	16.29	16.16	17.8	0
15	256QAM	1	37	16.35	16.38	16.37	16.27		
15	256QAM	1	74	16.35	16.28	16.28	16.10		
15	256QAM	36	0	16.16	16.27	16.34	16.04		
15	256QAM	36	20	16.11	16.19	16.27	16.10	17.8	0
15	256QAM	36	39	16.46	16.38	16.32	16.30		
15	256QAM	75	0	16.34	16.41	16.28	16.43		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	16.39	16.39	16.42	16.44		
10	QPSK	1	25	16.32	16.19	16.42	16.17	17.8	0
10	QPSK	1	49	16.19	16.22	16.42	16.23		
10	QPSK	25	0	16.34	16.34	16.41	16.35		
10	QPSK	25	12	16.30	16.32	16.38	16.27		
10	QPSK	25	25	16.38	16.39	16.44	16.37	17.8	0
10	QPSK	50	0	16.07	16.37	16.39	16.27		
10	16QAM	1	0	16.21	16.39	16.36	16.11		
10	16QAM	1	25	16.40	16.42	16.32	16.37		
10	16QAM	1	49	16.33	16.34	16.36	16.39	17.8	0
10	16QAM	25	0	16.24	16.31	16.24	16.41		
10	16QAM	25	12	16.40	16.29	16.33	16.32		
10	16QAM	25	25	16.35	16.33	16.38	16.36		
10	16QAM	50	0	16.37	16.27	16.36	16.14	17.8	0
10	64QAM	1	0	16.26	16.16	16.43	16.31		
10	64QAM	1	25	16.16	16.16	16.32	16.28		
10	64QAM	1	49	16.36	16.28	16.37	16.17		
10	64QAM	25	0	16.05	16.12	16.17	16.01	17.8	0
10	64QAM	25	12	16.19	16.30	16.27	16.26		
10	64QAM	25	25	16.39	16.43	16.44	16.46		
10	64QAM	50	0	16.07	16.10	16.25	16.14		
10	256QAM	1	0	16.25	16.11	16.21	16.15	17.8	0
10	256QAM	1	25	16.31	16.36	16.41	16.28		
10	256QAM	1	49	16.29	16.34	16.26	16.14		
10	256QAM	25	0	16.23	16.30	16.36	16.05		
10	256QAM	25	12	16.13	16.18	16.33	16.14	17.8	0
10	256QAM	25	25	16.45	16.35	16.33	16.36		
10	256QAM	50	0	16.36	16.37	16.30	16.37		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	16.42	16.47	16.41	16.40		
5	QPSK	1	12	16.36	16.21	16.47	16.24	17.8	0
5	QPSK	1	24	16.24	16.15	16.42	16.18		
5	QPSK	12	0	16.30	16.28	16.41	16.44		
5	QPSK	12	7	16.31	16.31	16.44	16.28		
5	QPSK	12	13	16.34	16.36	16.43	16.32	17.8	0
5	QPSK	25	0	16.07	16.35	16.36	16.25		
5	16QAM	1	0	16.25	16.40	16.35	16.07		
5	16QAM	1	12	16.38	16.39	16.35	16.41		
5	16QAM	1	24	16.33	16.30	16.38	16.40	17.8	0
5	16QAM	12	0	16.17	16.26	16.28	16.38		
5	16QAM	12	7	16.37	16.27	16.26	16.32		
5	16QAM	12	13	16.32	16.40	16.39	16.42		
5	16QAM	25	0	16.33	16.20	16.35	16.17	17.8	0
5	64QAM	1	0	16.30	16.17	16.33	16.33		
5	64QAM	1	12	16.14	16.13	16.32	16.28		
5	64QAM	1	24	16.35	16.31	16.42	16.17		
5	64QAM	12	0	16.07	16.13	16.17	16.01	17.8	0
5	64QAM	12	7	16.22	16.25	16.18	16.17		
5	64QAM	12	13	16.33	16.45	16.47	16.38		
5	64QAM	25	0	16.02	16.15	16.21	16.19		
5	256QAM	1	0	16.25	16.04	16.23	16.20	17.8	0
5	256QAM	1	12	16.33	16.38	16.40	16.20		
5	256QAM	1	24	16.36	16.29	16.24	16.15		
5	256QAM	12	0	16.14	16.27	16.38	16.07		
5	256QAM	12	7	16.17	16.20	16.27	16.13	17.8	0
5	256QAM	12	13	16.43	16.36	16.37	16.29		
5	256QAM	25	0	16.34	16.34	16.34	16.38		

Band 48 Ant2 DSI3 Simultaneous

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	14.83	14.91	14.92	14.90	16.5	0
20	QPSK	1	49	14.90	14.64	14.90	14.60		
20	QPSK	1	99	14.68	14.66	14.90	14.71		
20	QPSK	50	0	14.73	14.74	14.90	14.85	16.5	0
20	QPSK	50	24	14.70	14.84	14.89	14.82		
20	QPSK	50	50	14.90	14.85	14.78	14.91		
20	QPSK	100	0	14.70	14.89	14.90	14.85	16.5	0
20	16QAM	1	0	14.74	14.82	14.76	14.65		
20	16QAM	1	49	14.91	14.91	14.90	14.82		
20	16QAM	1	99	14.67	14.90	14.88	14.91	16.5	0
20	16QAM	50	0	14.75	14.77	14.82	14.90		
20	16QAM	50	24	14.82	14.88	14.70	14.74		
20	16QAM	50	50	14.83	14.79	14.91	14.79	16.5	0
20	16QAM	100	0	14.83	14.79	14.76	14.69		
20	64QAM	1	0	14.84	14.67	14.80	14.68		
20	64QAM	1	49	14.60	14.60	14.71	14.71	16.5	0
20	64QAM	1	99	14.82	14.75	14.80	14.73		
20	64QAM	50	0	14.51	14.66	14.54	14.54		
20	64QAM	50	24	14.75	14.89	14.83	14.62	16.5	0
20	64QAM	50	50	14.88	14.78	14.89	14.86		
20	64QAM	100	0	14.62	14.67	14.69	14.60		
20	256QAM	1	0	14.72	14.68	14.76	14.72	16.5	0
20	256QAM	1	49	14.90	14.86	14.89	14.79		
20	256QAM	1	99	14.75	14.79	14.85	14.58		
20	256QAM	50	0	14.59	14.74	14.86	14.58	16.5	0
20	256QAM	50	24	14.60	14.80	14.91	14.58		
20	256QAM	50	50	14.91	14.87	14.88	14.72		
20	256QAM	100	0	14.84	14.88	14.87	14.90		
Channel				55315	55820	56180	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	14.67	14.83	14.88	14.82	16.5	0
15	QPSK	1	37	14.80	14.61	14.79	14.69		
15	QPSK	1	74	14.64	14.77	14.84	14.65		
15	QPSK	36	0	14.60	14.64	14.83	14.78	16.5	0
15	QPSK	36	20	14.60	14.75	14.73	14.72		
15	QPSK	36	39	14.82	14.79	14.61	14.86		
15	QPSK	75	0	14.66	14.84	14.82	14.70	16.5	0
15	16QAM	1	0	14.70	14.73	14.59	14.61		
15	16QAM	1	37	14.76	14.77	14.76	14.68		
15	16QAM	1	74	14.52	14.79	14.81	14.86	16.5	0
15	16QAM	36	0	14.66	14.62	14.76	14.78		
15	16QAM	36	20	14.66	14.84	14.61	14.60		
15	16QAM	36	39	14.77	14.65	14.82	14.70	16.5	0
15	16QAM	75	0	14.70	14.65	14.69	14.62		
15	64QAM	1	0	14.73	14.59	14.72	14.65		
15	64QAM	1	37	14.50	14.55	14.61	14.68	16.5	0
15	64QAM	1	74	14.67	14.61	14.73	14.64		
15	64QAM	36	0	14.77	14.59	14.70	14.51		
15	64QAM	36	20	14.71	14.84	14.75	14.66	16.5	0
15	64QAM	36	39	14.74	14.74	14.74	14.70		
15	64QAM	75	0	14.58	14.54	14.60	14.51		
15	256QAM	1	0	14.57	14.53	14.61	14.68	16.5	0
15	256QAM	1	37	14.75	14.77	14.82	14.68		
15	256QAM	1	74	14.60	14.70	14.74	14.75		
15	256QAM	36	0	14.76	14.64	14.80	14.55	16.5	0
15	256QAM	36	20	14.78	14.68	14.74	14.76		
15	256QAM	36	39	14.87	14.74	14.78	14.64		
15	256QAM	75	0	14.78	14.80	14.82	14.74		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	14.72	14.88	14.80	14.81	16.5	0
10	QPSK	1	25	14.78	14.66	14.83	14.67		
10	QPSK	1	49	14.60	14.60	14.78	14.65		
10	QPSK	25	0	14.63	14.59	14.78	14.77	16.5	0
10	QPSK	25	12	14.56	14.79	14.73	14.69		
10	QPSK	25	25	14.78	14.72	14.71	14.78		
10	QPSK	50	0	14.56	14.73	14.80	14.77	16.5	0
10	16QAM	1	0	14.62	14.72	14.65	14.60		
10	16QAM	1	25	14.88	14.76	14.77	14.76		
10	16QAM	1	49	14.50	14.61	14.73	14.85	16.5	0
10	16QAM	25	0	14.60	14.72	14.75	14.74		
10	16QAM	25	12	14.72	14.83	14.59	14.62		
10	16QAM	25	25	14.73	14.64	14.82	14.72	16.5	0
10	16QAM	50	0	14.79	14.62	14.61	14.66		
10	64QAM	1	0	14.70	14.61	14.75	14.56		
10	64QAM	1	25	14.56	14.66	14.65	14.66	16.5	0
10	64QAM	1	49	14.73	14.59	14.76	14.58		
10	64QAM	25	0	14.72	14.50	14.77	14.66		
10	64QAM	25	12	14.59	14.84	14.66	14.58	16.5	0
10	64QAM	25	25	14.80	14.70	14.77	14.80		
10	64QAM	50	0	14.58	14.64	14.64	14.68		
10	256QAM	1	0	14.60	14.52	14.68	14.63	16.5	0
10	256QAM	1	25	14.86	14.76	14.74	14.75		
10	256QAM	1	49	14.63	14.65	14.74	14.75		
10	256QAM	25	0	14.68	14.68	14.72	14.53	16.5	0
10	256QAM	25	12	14.51	14.65	14.77	14.54		
10	256QAM	25	25	14.78	14.84	14.83	14.67		
10	256QAM	50	0	14.81	14.77	14.82	14.80		
Channel				3552.5	3607	3643	3697.5	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				14.80	14.82	14.83	14.86		
5	QPSK	1	0	14.87	14.55	14.82	14.56	16.5	0
5	QPSK	1	12	14.87	14.55	14.82	14.56		
5	QPSK	1	24	14.52	14.57	14.74	14.57		
5	QPSK	12	0	14.61	14.60	14.80	14.72	16.5	0
5	QPSK	12	7	14.66	14.70	14.72	14.71		
5	QPSK	12	13	14.80	14.73	14.66	14.87		
5	QPSK	25	0	14.58	14.85	14.78	14.75	16.5	0
5	16QAM	1	0	14.59	14.76	14.59	14.56		
5	16QAM	1	12	14.86	14.76	14.73	14.77		
5	16QAM	1	24	14.55	14.86	14.75	14.77	16.5	0
5	16QAM	12	0	14.61	14.72	14.74	14.80		
5	16QAM	12	7	14.66	14.76	14.64	14.69		
5	16QAM	12	13	14.79	14.68	14.84	14.63	16.5	0
5	16QAM	25	0	14.68	14.72	14.72	14.62		
5	64QAM	1	0	14.74	14.51	14.71	14.55		
5	64QAM	1	12	14.57	14.74	14.65	14.62	16.5	0
5	64QAM	1	24	14.70	14.59	14.73	14.69		
5	64QAM	12	0	14.77	14.51	14.66	14.73		
5	64QAM	12	7	14.71	14.77	14.79	14.58	16.5	0
5	64QAM	12	13	14.84	14.66	14.81	14.81		
5	64QAM	25	0	14.51	14.63	14.55	14.52		
5	256QAM	1	0	14.58	14.57	14.73	14.65	16.5	0
5	256QAM	1	12	14.75	14.80	14.82	14.68		
5	256QAM	1	24	14.61	14.67	14.79	14.72		
5	256QAM	12	0	14.50	14.66	14.73	14.55	16.5	0
5	256QAM	12	7	14.78	14.67	14.75	14.52		
5	256QAM	12	13	14.85	14.82	14.82	14.56		
5	256QAM	25	0	14.72	14.76	14.78	14.78		

Ant0 Standalone DS8							Burst Full 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				32.52	32.27	32.21	33.50		23.52	23.27	23.21	24.50	
GPRS 1 Tx slot				32.52	32.27	32.21	33.50		23.52	23.27	23.21	24.50	
GPRS 2 Tx slots				29.72	29.46	29.37	30.00		23.72	23.46	23.37	24.00	
GPRS 3 Tx slots				28.29	28.02	27.92	29.50		24.03	23.76	23.66	25.24	
GPRS 4 Tx slots				26.57	26.32	26.18	27.50		23.57	23.32	23.18	24.50	
EDGE 1 Tx slot				25.29	25.38	25.33	27.00		16.29	16.38	16.33	18.00	
EDGE 2 Tx slots				23.54	23.76	23.74	25.00		17.54	17.76	17.74	19.00	
EDGE 3 Tx slots				22.31	22.45	22.39	24.00		16.05	16.19	16.13	19.74	
EDGE 4 Tx slots				20.21	20.43	20.30	22.00		17.21	17.43	17.30	19.00	

Ant0 Standalone DS8							Burst Full 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				30.01	30.15	30.13	30.50		21.01	21.15	21.13	21.50	
GPRS 1 Tx slot				30.01	30.15	30.13	30.50		21.01	21.15	21.13	21.50	
GPRS 2 Tx slots				26.67	26.83	26.74	27.50		20.67	20.83	20.74	21.50	
GPRS 3 Tx slots				25.42	25.61	25.23	26.50		21.16	21.35	20.97	22.24	
GPRS 4 Tx slots				23.01	22.93	22.90	24.00		20.01	19.93	19.90	21.00	
EDGE 1 Tx slot				25.18	25.27	25.16	26.50		16.18	16.27	16.16	17.50	
EDGE 2 Tx slots				23.60	23.78	23.67	24.50		17.60	17.78	17.67	18.50	
EDGE 3 Tx slots				22.48	22.66	22.56	23.50		16.22	16.40	16.30	19.24	
EDGE 4 Tx slots				20.24	20.35	20.31	21.00		17.24	17.35	17.31	18.00	

Ant0 Standalone DS8																
Band				WCDMA II				WCDMA IV				WCDMA V				
TX Channel				9282	9400	9538		1312	1413	1513		Tune-up Limit (dBm)	4132	4182	4233	
Rx Channel				9682	9800	9938		1537	1638	1738			4367	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	19.76	19.82	19.74	20.90	20.37	20.41	20.26	21.70	24.11	24.21	24.27	25.00			
3GPP Rel 99	RMC 12.2Kbps	19.86	19.91	19.85	20.90	20.42	20.49	20.35	21.70	24.17	24.35	24.32	25.00			
3GPP Rel 6	HSUPA Subtest-1	18.99	19.04	18.93	19.90	19.44	19.53	19.30	20.70	23.17	23.25	23.31	24.00			
3GPP Rel 6	HSUPA Subtest-2	18.94	19.17	18.95	19.90	19.62	19.42	19.33	20.70	23.15	23.23	23.33	24.00			
3GPP Rel 6	HSUPA Subtest-3	18.38	18.44	18.34	19.40	18.92	19.13	18.91	20.20	22.65	22.74	22.80	23.50			
3GPP Rel 6	HSUPA Subtest-4	18.28	18.49	18.22	19.40	19.07	19.11	18.93	20.20	22.65	22.77	22.78	23.50			
3GPP Rel 8	DC-HSUPA Subtest-1	18.92	18.99	18.75	19.90	19.60	19.56	19.30	20.70	23.04	23.19	23.32	24.00			
3GPP Rel 8	DC-HSUPA Subtest-2	19.08	19.05	18.95	19.90	19.81	19.55	19.49	20.70	23.16	23.07	23.15	24.00			
3GPP Rel 8	DC-HSUPA Subtest-3	18.17	18.42	18.47	19.40	19.01	19.18	18.99	20.20	22.44	22.68	22.64	23.50			
3GPP Rel 8	DC-HSUPA Subtest-4	18.39	18.70	18.37	19.40	19.20	19.13	18.73	20.20	22.49	22.61	22.74	23.50			
3GPP Rel 6	HSUPA Subtest-1	19.19	18.97	18.69	19.90	19.50	19.72	19.37	20.70	23.51	23.55	23.61	24.00			
3GPP Rel 6	HSUPA Subtest-2	17.01	16.90	16.97	17.90	17.31	17.80	17.38	18.70	21.51	21.56	21.63	22.00			
3GPP Rel 6	HSUPA Subtest-3	18.17	18.04	17.71	18.90	18.51	18.83	18.63	19.70	22.49	22.55	22.56	23.00			
3GPP Rel 6	HSUPA Subtest-4	16.91	16.87	16.74	17.90	17.49	17.72	17.42	18.70	21.47	21.57	21.63	22.00			
3GPP Rel 6	HSUPA Subtest-5	19.02	18.88	18.76	19.90	19.67	19.59	19.38	20.70	23.50	23.50	23.60	24.00			

Ant0_Simultaneous DS16									
GSM1900		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
Tx Channel		512	861	810		512	861	810	
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot		28.67	28.69	28.71	29.40	19.67	19.69	19.71	20.40
GPRS 1 Tx slot		28.67	28.69	28.71	29.40	19.67	19.69	19.71	20.40
GPRS 2 Tx slots		25.44	25.58	25.34	26.40	19.44	19.58	19.34	20.40
GPRS 3 Tx slots		24.06	24.11	23.85	24.70	19.80	19.85	19.59	20.44
GPRS 4 Tx slots		22.19	22.40	22.32	23.40	19.19	19.40	19.32	20.40
EDGE 1 Tx slot		25.18	23.27	25.16	26.50	18.18	18.27	18.16	17.50
EDGE 2 Tx slots		23.60	23.78	23.67	24.50	17.60	17.78	17.67	18.50
EDGE 3 Tx slots		22.48	22.66	22.56	23.50	18.22	18.40	18.30	19.24
EDGE 4 Tx slots		20.24	20.35	20.31	21.00	17.24	17.35	17.31	18.00
Ant0_Simultaneous DS16									
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
Tx Channel		9582	9400	8538		1512	1413	1513	
Rx Channel		9652	9500	9938		1537	1638	1735	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99 AMR 12.2Kbps		18.26	18.28	18.17	19.40	18.81	18.87	18.69	20.20
3GPP Rel 99 RMC 12.2Kbps		18.33	18.36	18.24	19.40	18.93	18.99	18.76	20.20
3GPP Rel 6 HSDPA Subtest-1		17.32	17.48	17.32	18.40	17.87	17.87	17.59	19.20
3GPP Rel 6 HSDPA Subtest-2		17.32	17.46	17.37	18.40	17.96	17.75	17.74	19.20
3GPP Rel 6 HSDPA Subtest-3		16.90	16.73	16.63	17.90	17.22	17.50	17.41	18.70
3GPP Rel 6 HSDPA Subtest-4		16.66	16.62	16.61	17.90	17.48	17.52	17.26	18.70
3GPP Rel 8 DC-HSDPA Subtest-1		17.35	17.38	17.15	18.40	18.00	18.02	17.73	19.20
3GPP Rel 8 DC-HSDPA Subtest-2		17.46	17.52	17.42	18.40	18.18	18.02	17.94	19.20
3GPP Rel 8 DC-HSDPA Subtest-3		16.56	16.84	16.89	17.90	17.44	17.46	17.32	18.70
3GPP Rel 8 DC-HSDPA Subtest-4		16.74	17.11	16.87	17.90	17.38	17.46	17.25	18.70
3GPP Rel 6 HSUPA Subtest-1		17.50	17.30	17.14	18.40	17.82	18.11	17.80	19.20
3GPP Rel 6 HSUPA Subtest-2		15.33	15.40	15.26	16.40	15.70	16.11	15.69	17.20
3GPP Rel 6 HSUPA Subtest-3		16.53	16.32	16.23	17.40	16.97	17.23	16.91	18.20
3GPP Rel 6 HSUPA Subtest-4		15.30	15.38	15.05	16.40	15.81	16.13	15.79	17.20
3GPP Rel 6 HSUPA Subtest-5		17.35	17.22	17.05	18.40	18.08	17.97	17.73	19.20
Ant0_Simultaneous DS16									
		WCDMA V			Tune-up Limit (dBm)				Tune-up Limit (dBm)
		4132	4192	4233		4367	4407	4458	
		828.4	836.4	846.6					



Band 2 Ant0_DS16 Standalone

BW [MHz]	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Hsp / Freq	Power MaxCh / Freq	Time-up int. (s)	MPR (dB)
Channel								
Frequency [MHz]								
20	QPSK	1	0	20.43	20.43	20.19	21.5	0
20	QPSK	1	49	20.38	20.38	20.19		
20	QPSK	50	0	20.36	20.43	20.42		
20	QPSK	50	24	20.33	20.33	20.34		
20	QPSK	50	50	20.12	20.38	20.26		
20	QPSK	100	0	20.15	20.43	20.38		
20	QPSK	100	24	20.27	20.37	20.32		
20	16QAM	1	49	20.14	20.23	20.14		
20	16QAM	1	99	20.20	20.10	20.07		
20	16QAM	50	0	20.32	20.14	20.29		
20	16QAM	50	24	20.17	20.30	20.31		
20	16QAM	50	50	20.32	20.26	20.26		
20	16QAM	100	0	20.20	20.37	20.32		
20	16QAM	100	24	20.29	20.40	20.26		
20	64QAM	1	49	20.15	20.23	20.27		
20	64QAM	1	99	20.12	20.26	20.31		
20	64QAM	50	0	20.34	20.26	20.34		
20	64QAM	50	24	20.30	20.40	20.32		
20	64QAM	50	50	20.31	20.30	20.34		
20	64QAM	100	0	20.37	20.41	20.29		
20	64QAM	100	24	20.27	20.32	20.26		
20	256QAM	1	49	19.52	19.44	19.35		
20	256QAM	1	99	19.39	19.50	19.34		
20	256QAM	50	0	19.31	19.50	19.36		
20	256QAM	50	24	19.36	19.59	19.51		
20	256QAM	50	50	19.31	19.54	19.55		
20	256QAM	100	0	19.43	19.58	19.51		
Channel								
Frequency [MHz]								
15	QPSK	1	0	19.67	19.66	19.65		
15	QPSK	1	49	20.28	20.29	20.10		
15	QPSK	1	74	20.28	20.28	20.10		
15	QPSK	36	0	20.29	20.32	20.28		
15	QPSK	36	24	20.24	20.32	20.28		
15	QPSK	36	36	20.04	20.23	20.15		
15	QPSK	75	0	20.01	20.33	20.26		
15	16QAM	1	49	20.21	20.25	20.25		
15	16QAM	1	37	20.07	20.10	20.04		
15	16QAM	1	74	20.07	20.06	20.06		
15	16QAM	36	0	20.25	20.09	20.17		
15	16QAM	36	20	20.10	20.17	20.23		
15	16QAM	75	0	20.11	20.27	20.18		
15	16QAM	75	0	20.11	20.27	20.18		
15	64QAM	1	0	20.22	20.34	20.14		
15	64QAM	1	36	20.00	20.33	20.25		
15	64QAM	1	74	20.05	20.15	20.19		
15	64QAM	36	0	20.22	20.15	20.25		
15	64QAM	36	20	20.23	20.25	20.25		
15	64QAM	36	36	20.16	20.27	20.23		
15	64QAM	75	0	20.31	20.31	20.17		
15	256QAM	1	37	19.38	19.50	19.22		
15	256QAM	1	74	19.10	19.15	19.23		
15	256QAM	36	0	19.12	19.16	19.26		
15	256QAM	36	20	19.02	19.51	19.59		
15	256QAM	36	36	19.20	19.45	19.58		
15	256QAM	75	0	19.31	19.45	19.17		
Channel								
Frequency [MHz]								
10	QPSK	1	0	19.66	19.66	19.65		
10	QPSK	1	25	20.23	20.19	20.25		
10	QPSK	1	49	20.25	20.09	20.14		
10	QPSK	1	74	20.25	20.09	20.14		
10	QPSK	25	0	20.25	20.32	20.10		
10	QPSK	25	13	20.20	20.24	20.29		
10	QPSK	25	25	20.05	20.32	20.10		
10	16QAM	1	0	20.23	20.29	20.22		
10	16QAM	1	25	20.08	20.14	19.99		
10	16QAM	1	49	20.07	20.09	20.09		
10	16QAM	25	0	20.28	20.09	20.20		
10	16QAM	25	12	20.03	20.23	20.27		
10	16QAM	25	12	20.03	20.19	20.28		
10	16QAM	50	0	20.16	20.24	20.27		
10	16QAM	50	0	20.16	20.27	20.17		
10	16QAM	25	0	20.29	20.15	20.23		
10	16QAM	25	12	20.21	20.17	20.21		
10	16QAM	25	25	20.22	20.18	20.21		
10	16QAM	50	0	20.25	20.26	20.20		
10	64QAM	1	0	20.29	20.15	20.23		
10	64QAM	1	25	20.21	20.17	20.21		
10	64QAM	1	49	19.98	20.21	20.26		
10	64QAM	25	0	20.29	20.15	20.23		
10	64QAM	25	12	20.21	20.17	20.21		
10	64QAM	25	25	20.22	20.18	20.21		
10	64QAM	50	0	20.25	20.26	20.20		
10	256QAM	1	12	19.33	19.43	19.31		
10	256QAM	1	25	19.43	19.34	19.31		
10	256QAM	1	49	19.06	19.11	19.26		
10	256QAM	1	74	19.26	19.28	19.28		
10	256QAM	25	0	19.12	19.44	19.36		
10	256QAM	25	12	19.52	19.42	19.36		
10	256QAM	25	25	19.22	19.45	19.58		
10	256QAM	75	0	19.33	19.45	19.17		
Channel								
Frequency [MHz]								
5	QPSK	1	0	20.34	20.34	20.12		
5	QPSK	1	12	20.31	20.27	20.10		
5	QPSK	1	24	20.28	20.17	20.15		
5	QPSK	12	0	20.25	20.35	20.15		
5	QPSK	12	7	20.15	20.27	20.18		
5	QPSK	12	14	20.03	20.20	20.14		
5	QPSK	15	0	20.03	20.20	20.17		
5	16QAM	1	0	20.12	20.22	20.16		
5	16QAM	1	12	20.07	20.20	20.19		
5	16QAM	1	24	20.00	20.20	20.20		
5	16QAM	12	0	20.21	20.19	20.23		
5	16QAM	12	13	20.21	20.19	20.23		
5	16QAM	15	0	20.11	20.20	20.13		
5	64QAM	1	0	20.00	20.22	20.23		
5	64QAM	1	12	20.02	20.17	20.18		
5	64QAM	1	24	20.22	20.20	20.21		
5	64QAM	12	0	20.22	20.20	20.23		
5	64QAM	12	7	20.18	20.20	20.23		
5	64QAM	12	13	20.18	20.20	20.23		
5	64QAM	15	0	20.17	20.20	20.23		
5	256QAM	1	0	19.37	19.43	19.31		
5	256QAM	1	12	19.39	19.33	19.31		
5	256QAM	1	24	19.13	19.19	19.28		
5	256QAM	12	0	19.22	19.32	19.25		
5	256QAM	12	7	18.80	19.47	19.46		
5	256QAM	12	13	19.22	19.46	19.46		
5	256QAM	15	0	19.27	19.54	19.52		
Channel								
Frequency [MHz]								
3	QPSK	1	0	20.37	20.30	20.12		
3	QPSK	1	8	20.34	20.22	20.22		
3	QPSK	1	16	20.24	20.17	20.17		
3	QPSK	8	0	20.26	20.34	20.31		
3	QPSK	8	4	20.17	20.19	20.17		
3	QPSK	8	7	20.25	20.25	20.25		
3	QPSK	16	0	20.10	20.29	20.27		
3	16QAM	1	0	20.21	20.20	20.23		
3	16QAM	1	8	20.19	20.19	20.20		
3	16QAM	1	16	20.15	19.98	19.95		
3	16QAM	8	0	20.26	20.09	20.21		
3	16QAM	8	4	20.03	20.20	20.17		
3	16QAM	16	0	20.06	20.28	20.27		
3	16QAM	16	0	20.18	20.16	20.11		
3	64QAM	1	0	20.02	20.15	20.19		
3	64QAM	1	16	20.04	20.13	20.19		
3	64QAM	8	0	20.25	20.26	20.20		
3	64QAM	8	4	20.25	20.25	20.20		
3	64QAM	8	7	20.26	20.21	20.24		
3	256QAM	1	0	19.32	19.39	19.33		
3	256QAM	1	8	19.35	19.31	19.29		
3	256QAM	8	0	19.07	19.27	19.29		
3	256QAM	8	4	19.25	19.30	19.25		
3	256QAM	8	4	19.55	19.50	19.46		
3	256QAM	16	0	19.31	19.42	19.36		
3	256QAM	16	0	19.34	19.42	19.20		
Channel								
Frequency [MHz]								
1.4	QPSK	1	0	20.33	20.30	20.07		
1.4	QPSK	1	3	20.33	20.16	20.26		
1.4	QPSK	1	5	20.29	20.13	20.22		
1.4	QPSK	3	0	20.28	20.33	20.33		
1.4	QPSK	3	1	20.28	20.20	20.26		
1.4	QPSK	3	2	20.08	20.20	20.19		
1.4	QPSK	6	0	20.01	20.25	20.22		
1.4	16QAM	1	0	20.14	20.30	20.20		
1.4	16QAM	1	0	20.14	20.30	20.20		
1.4	16QAM	1	0	20.10	20.16	19.94		
1.4	16QAM	3	0	20.27	20.10	20.20		
1.4	16QAM	3	0	20.22	20.14	20.04		
1.4	16QAM	3	0	20.26	20.15	20.22		
1.4	16QAM	6	0	20.16	20.24	20.18		
1.4	16QAM	6	0	20.16	20.27	20.17		
1.4	16QAM	6	0	20.01	20.19	20.22		
1.4	64QAM	1	5	20.07	20.21	20.21		
1.4	64QAM	1	20	20.27	20.13	20.19		
1.4	64QAM	3	0	20.24	20.23	20.18		
1.4	64QAM	3	0	20.24	20.23	20.18		
1.4	256QAM	1	0	19.38	19.41	19.33		
1.4	256QAM	1	3	19.42	19.36	19.32		
1.4	256QAM	3	0	19.21	19.20	19.26		
1.4	256QAM	3	1	19.54	19.53	19.46		
1.4	256QAM	3	1	19.16	19.16	19.14		
1.4	256QAM	6	0	19.28	19.49	19.24		

Band 4 Ant0_DS16 Standalone



Band 12 Ant0 DSI6 Standalone										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Time-up Int. (s)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.96	23.15	22.98	24	0		
10	QPSK	1	25	23.02	23.13	23.15				
10	QPSK	1	49	23.12	23.13	23.11				
10	QPSK	25	0	23.04	23.15	23.08	24	0		
10	QPSK	25	12	23.14	23.09	23.12				
10	QPSK	25	25	23.14	23.08	23.09				
10	QPSK	50	0	22.96	23.13	23.08	24	0		
10	16QAM	1	0	22.99	23.01	23.01				
10	16QAM	1	25	23.04	23.09	23.10				
10	16QAM	1	49	23.08	23.08	23.10	24	0		
10	16QAM	25	0	23.02	23.05	23.40				
10	16QAM	25	12	22.45	22.38	22.46				
10	16QAM	25	25	22.49	22.47	22.52	24	0		
10	16QAM	50	0	22.41	22.57	22.39				
10	64QAM	1	0	22.88	22.87	23.01				
10	64QAM	1	25	23.04	23.12	23.13	24	0		
10	64QAM	1	49	23.08	23.08	23.13				
10	64QAM	25	0	22.52	22.53	22.59				
10	64QAM	25	12	22.63	22.67	22.63	24	0		
10	64QAM	25	25	22.64	22.67	22.70				
10	64QAM	50	0	22.61	22.59	22.60				
10	256QAM	1	0	19.44	19.51	19.41	20	4		
10	256QAM	1	25	19.46	19.54	19.45				
10	256QAM	1	49	19.53	19.53	19.58				
10	256QAM	25	0	19.47	19.53	19.47	20	4		
10	256QAM	25	12	19.47	19.54	19.58				
10	256QAM	25	25	19.52	19.43	19.40				
10	256QAM	50	0							
Channel				761.5	761.5	761.5				
Frequency (MHz)										
6	QPSK	1	0	22.80	23.03	22.77	24	0		
6	QPSK	1	12	23.02	23.04	23.11				
6	QPSK	1	24	22.63	23.08	23.13				
6	QPSK	12	0	22.84	22.89	22.89	24	0		
6	QPSK	12	7	23.09	22.89	22.96				
6	QPSK	12	13	22.95	23.07	22.79				
6	QPSK	25	0	22.92	23.04	22.89	24	0		
6	16QAM	1	0	22.86	23.74	23.83				
6	16QAM	1	12	22.82	22.97	23.00				
6	16QAM	1	24	22.98	23.01	23.12	24	0		
6	16QAM	12	0	22.24	22.15	22.38				
6	16QAM	12	7	22.44	22.40	22.32				
6	16QAM	25	0	22.27	22.17	22.25	24	0		
6	64QAM	1	0	22.72	22.61	22.88				
6	64QAM	1	12	22.90	23.02	23.06				
6	64QAM	1	24	23.00	23.05	23.05	24	0		
6	64QAM	12	0	22.48	22.36	22.42				
6	64QAM	12	7	22.64	22.64	22.64		24	0	
6	64QAM	12	13	22.85	22.89	22.48				
6	64QAM	25	0	22.43	22.62	22.60	20	4		
6	256QAM	1	0	19.43	19.51	19.56				
6	256QAM	1	12	19.41	19.51	19.56				
6	256QAM	1	24	19.44	19.48	19.59	20	4		
6	256QAM	12	0	19.43	19.49	19.51				
6	256QAM	12	7	19.43	19.49	19.51				
6	256QAM	12	13	19.66	19.55	19.34	20	4		
6	256QAM	25	0	19.29	19.61	19.38				
Channel				236.0	236.0	236.0				
Frequency (MHz)										
3	QPSK	1	0	22.71	22.78	22.78	24	0		
3	QPSK	1	8	22.82	22.89	23.04				
3	QPSK	1	14	22.92	22.81	22.80				
3	QPSK	8	0	22.96	23.08	22.80	24	0		
3	QPSK	8	7	22.86	22.97	22.92				
3	QPSK	8	7	22.95	22.80	22.84				
3	16QAM	1	0	22.74	22.62	22.89	24	0		
3	16QAM	1	8	22.84	22.80	22.87				
3	16QAM	1	14	22.98	22.84	22.79				
3	16QAM	8	0	22.38	22.08	22.22	24	0		
3	16QAM	8	4	22.37	22.07	22.25				
3	16QAM	15	0	22.28	22.22	22.10				
3	64QAM	1	0	22.80	22.76	22.87	24	0		
3	64QAM	1	8	22.79	22.68	23.00				
3	64QAM	1	14	22.77	22.68	22.83				
3	64QAM	8	0	22.34	22.21	22.37	24	0		
3	64QAM	8	4	22.36	22.40	22.48				
3	64QAM	8	7	22.41	22.50	22.55				
3	64QAM	15	0	22.45	22.40	22.34	20	4		
3	256QAM	1	0	19.43	19.53	19.58				
3	256QAM	1	8	19.42	19.53	19.58				
3	256QAM	1	14	19.53	19.52	19.44	20	4		
3	256QAM	8	0	19.55	19.54	19.55				
3	256QAM	8	4	19.44	19.43	19.56				
3	256QAM	8	7	19.61	19.59	19.29	20	4		
3	256QAM	15	0	19.29	19.61	19.38				
Channel				236.0	236.0	236.0				
Frequency (MHz)										
1.4	QPSK	1	0	23.12	23.09	23.11	24	0		
1.4	QPSK	1	3	23.06	23.00	23.15				
1.4	QPSK	1	5	22.90	22.83	23.07				
1.4	QPSK	3	0	23.09	23.01	23.17	24	0		
1.4	QPSK	3	1	22.97	23.04	23.16				
1.4	QPSK	3	1	22.87	23.00	23.12				
1.4	16QAM	6	0	22.96	23.05	23.15	24	0		
1.4	16QAM	6	0	22.94	23.14	23.18				
1.4	16QAM	1	3	22.98	23.05	23.17				
1.4	16QAM	1	5	23.03	23.01	23.13	24	0		
1.4	16QAM	3	0	22.76	22.81	22.91				
1.4	16QAM	3	1	22.77	22.78	22.83				
1.4	16QAM	6	0	22.73	22.78	22.81	24	0		
1.4	16QAM	6	0	22.99	22.45	22.58				
1.4	64QAM	1	0	22.92	22.84	23.12	24	0		
1.4	64QAM	1	3	23.01	22.97	23.10				
1.4	64QAM	1	5	22.83	22.91	23.03				
1.4	64QAM	3	0	22.85	22.83	23.05	24	0		
1.4	64QAM	3	1	22.87	22.90	23.04				
1.4	64QAM	3	3	22.88	22.88	23.01				
1.4	64QAM	6	0	22.90	22.86	22.70	24	0		
1.4	256QAM	1	0	19.37	19.58	19.28				
1.4	256QAM	1	3	19.48	19.61	19.53				
1.4	256QAM	1	5	19.37	19.53	19.50	20	4		
1.4	256QAM	3	0	19.35	19.62	19.55				
1.4	256QAM	3	1	19.65	19.57	19.49				
1.4	256QAM	3	1	19.37	19.56	19.58	20	4		
1.4	256QAM	6	0	19.37	19.64	19.50				

Band 13 Ant0 DSI6 Standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Time-up Int. (s)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.85	22.85	22.85	24	0	
10	QPSK	1	25	22.88	22.88	22.88			
10	QPSK	1	49	22.88	22.88	22.88			
10	QPSK	25	0	22.85	22.85	22.85	24	0	
10	QPSK	25	12	22.84	22.84	22.84			
10	QPSK	25	25	22.88	22.88	22.88			
10	QPSK	50	0	22.85	22.85	22.85	24	0	
10	16QAM	1	0	22.82	22.82	22.82			
10	16QAM	1	25	22.84	22.84	22.84			
10	16QAM	1	49	22.85	22.85	22.85	23	1	
10	16QAM	25	0	21.79	21.79	21.79			
10	16QAM	25	12	21.84	21.84	21.84			
10	16QAM	25	25	21.81	21.81	21.81	24	0	
10	16QAM	50	0	21.24	21.24	21.24			
10	16QAM	50	25	22.40	22.40	22.40			
10	64QAM	1	25	22.82	22.82	22.82	24	0	
10	64QAM	1	49	22.81	22.81	22.81			
10	64QAM	25	25	22.82	22.82	22.82			
10	64QAM	25	12	21.34	21.34	21.34	23	1	
10	64QAM	50	25	21.80	21.80	21.80			
10	64QAM	50	12	21.22	21.22	21.22			
10	256QAM	1	0	19.42	19.42	19.42	24	0	
10	256QAM	1	25	18.34	18.34	18.34			
10	256QAM	1	49	18.17	18.17	18.17			
10	256QAM	25	0	18.95	18.95	18.95	20	4	
10	256QAM	25	12	18.76	18.76	18.76			
10	256QAM	25	25	18.70	18.70	18.70			
10	256QAM	50	0	18.65	18.65	18.65	20	4	
10	256QAM	50	25	18.65	18.65	18.65			
10	256QAM	50	12	18.65	18.65	18.65			
Channel				Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Time-up Int. (s)	MPR (dB)	
Frequency (MHz)				776.5	776.5	776.5			
5	QPSK	1	0	22.88	22.88	22.88	24	0	
5	QPSK	1	12	22.65	22.65	22.65			
5	QPSK	1	24	22.76	22.76	22.76			
5	QPSK	12	0	22.47	22.41	22.67	24	0	
5	QPSK	12	7	22.67	22.61	22.63			
5	QPSK	12	14	22.32	21.58	22.23			
5	QPSK	25	0	22.38	22.18	22.43	24	0	
5	16QAM	1	0	22.59	22.30	22.62			
5	16QAM	1	12	22.46	22.38	22.78			
5	16QAM	1	24	22.72	22.76	22.55	23	1	
5	16QAM	12	0	21.54	21.45	21.79			
5	16QAM	12	7	21.52	21.44	21.73			
5	16QAM	12	14	21.34	21.71	21.37	23	1	
5	16QAM	25	0	21.42	21.20	21.64			
5	16QAM	25	12	21.32	21.48	21.64			
5	16QAM	1	12	22.34	22.32	22.69	24	0	
5	16QAM	1	24	22.65	22.76	22.74			
5	16QAM	12	7	22.61	22.67	22.78			
5	16QAM	12	7	21.61	21.47	21.67	23	1	
5	16QAM	12	14	21.67	21.80	21.35			
5	16QAM	25	12	21.43	21.48	21.64			
5	256QAM	1	0	18.30	18.58	18.42	20	4	
5	256QAM	1	12	18.38	18.44	18.38			
5	256QAM	1	24	18.30	18.30	18.33			
5	256QAM	12	0	18.53	18.51	18.59	20	4	
5	256QAM	12	7	18.62	18.54	18.55			
5	256QAM	12	14	18.61	18.54	18.55			
5	256QAM	25	12	18.47	18.48	18.51	20	4	
5	256QAM	25	0	18.47	18.48	18.51			
5	256QAM	25	7	18.47	18.48	18.51			



Band 25 Ant0 DS16 Standalone

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq.	Power High Ch./F.Freq.	Power Low Ch./F.Freq.	Turn-up time (s)	MPR (dB)
Channel								
Frequency [MHz]								
20	QPSK	1	0	20.26	20.27	20.34	21.5	0
20	QPSK	1	49	20.26	20.28	20.29		
20	QPSK	1	99	20.27	20.29	20.30	21.5	0
20	QPSK	50	0	20.27	20.33	20.34		
20	QPSK	50	24	20.21	20.28	20.35	21.5	0
20	QPSK	50	50	20.23	20.09	20.30		
20	QPSK	100	0	20.24	20.25	20.33	21.5	0
20	QPSK	100	24	20.08	20.31	20.34		
20	16QAM	1	49	20.35	20.21	20.06	21.5	0
20	16QAM	1	99	20.17	20.05	20.20		
20	16QAM	50	0	20.00	20.11	20.25	21.5	0
20	16QAM	50	24	20.10	20.20	20.30		
20	16QAM	50	50	20.21	20.10	20.16	21.5	0
20	16QAM	100	0	20.21	20.15	20.17		
20	64QAM	1	0	20.12	20.10	20.15	21.5	0
20	64QAM	1	49	20.23	20.04	20.22		
20	64QAM	1	99	20.15	20.25	20.18	21.5	0
20	64QAM	50	0	20.02	19.94	20.20		
20	64QAM	50	24	20.09	20.10	20.31	21.5	0
20	64QAM	50	50	20.28	20.32	20.13		
20	256QAM	100	0	20.19	20.20	20.20	20	1.5
20	256QAM	1	49	19.52	19.62	19.59		
20	256QAM	1	99	19.47	19.65	19.43	20	1.5
20	256QAM	50	24	19.62	19.65	19.54		
20	256QAM	50	50	19.74	19.57	19.60	20	1.5
20	256QAM	50	100	19.62	19.65	19.57		
Channel				20.15	20.30	20.15	Turn-up time (s)	MPR (dB)
Frequency [MHz]								
15	QPSK	1	0	20.22	20.31	20.19	21.5	0
15	QPSK	1	49	20.26	20.21	20.21		
15	QPSK	1	74	20.15	20.19	20.14	21.5	0
15	QPSK	36	0	20.14	20.24	20.20		
15	QPSK	36	24	20.07	20.29	20.03	21.5	0
15	QPSK	36	39	20.15	19.98	20.22		
15	QPSK	75	0	20.19	20.10	20.13	21.5	0
15	QPSK	75	0	19.91	20.21	20.00		
15	16QAM	1	37	20.27	20.08	19.97	21.5	0
15	16QAM	1	74	20.09	19.98	20.06		
15	16QAM	36	0	19.85	20.07	20.14	21.5	0
15	16QAM	36	20	20.04	20.11	20.28		
15	16QAM	36	49	20.15	20.10	20.18	21.5	0
15	16QAM	75	0	20.14	20.11	19.82		
15	64QAM	1	0	20.07	20.01	19.99	21.5	0
15	64QAM	1	49	20.17	19.99	20.02		
15	64QAM	1	74	20.08	20.20	20.09	21.5	0
15	64QAM	36	0	19.88	19.89	20.09		
15	64QAM	36	24	20.09	20.05	20.25	21.5	0
15	64QAM	36	39	20.23	20.05	20.00		
15	64QAM	75	0	20.12	19.85	20.08	20	1.5
15	256QAM	1	37	19.83	19.51	19.58		
15	256QAM	1	74	19.74	19.55	19.54	20	1.5
15	256QAM	36	20	19.75	19.72	19.55		
15	256QAM	36	39	19.85	19.62	19.69	20	1.5
15	256QAM	75	0	19.83	19.55	19.67		
Channel				19.85	19.99	19.85	Turn-up time (s)	MPR (dB)
Frequency [MHz]								
10	QPSK	1	0	20.25	20.35	20.21	21.5	0
10	QPSK	1	49	20.23	20.26	20.23		
10	QPSK	1	99	20.19	20.18	20.06	21.5	0
10	QPSK	25	0	20.19	20.28	20.10		
10	QPSK	25	25	20.08	20.24	20.09	21.5	0
10	QPSK	50	0	20.09	20.14	20.12		
10	QPSK	50	25	20.10	20.07	20.22	21.5	0
10	QPSK	100	0	20.11	20.08	20.17		
10	16QAM	1	26	20.31	20.08	19.94	21.5	0
10	16QAM	1	49	20.09	19.94	20.12		
10	16QAM	1	74	20.11	20.19	20.10	21.5	0
10	16QAM	25	0	19.87	20.11	20.22		
10	16QAM	25	25	20.16	20.12	20.22	21.5	0
10	16QAM	50	0	20.05	19.87	19.80		
10	16QAM	50	25	20.08	19.98	20.10	21.5	0
10	16QAM	100	0	20.01	19.98	20.07		
10	64QAM	1	0	20.13	19.88	20.10	21.5	0
10	64QAM	1	49	20.15	19.97	20.00		
10	64QAM	1	74	20.08	20.19	20.10	21.5	0
10	64QAM	25	0	19.86	19.91	20.05		
10	64QAM	25	25	19.88	20.07	20.17	21.5	0
10	64QAM	50	0	19.13	19.17	19.00		
10	64QAM	50	25	20.04	19.99	20.14	21.5	0
10	64QAM	100	0	19.99	19.99	19.99		
10	256QAM	1	26	19.43	19.55	19.54	20	1.5
10	256QAM	1	49	19.43	19.59	19.13		
10	256QAM	1	74	19.43	19.59	19.56	20	1.5
10	256QAM	25	0	19.43	19.47	19.47		
10	256QAM	25	25	19.50	19.65	19.49	20	1.5
10	256QAM	50	0	19.50	19.50	19.49		
Channel				20.05	20.34	20.05	Turn-up time (s)	MPR (dB)
Frequency [MHz]								
3	QPSK	1	0	20.20	20.30	20.20	21.5	0
3	QPSK	1	8	20.23	20.20	20.12		
3	QPSK	1	14	20.15	20.17	20.09	21.5	0
3	QPSK	1	20	20.22	20.24	20.13		
3	QPSK	8	4	20.10	20.20	20.01	21.5	0
3	QPSK	8	7	20.09	19.95	20.23		
3	QPSK	16	0	20.10	20.27	20.10	21.5	0
3	16QAM	1	0	19.96	20.10	20.08		
3	16QAM	1	8	20.30	20.00	19.96		
3	16QAM	1	0	20.12	20.07	20.10	21.5	0
3	16QAM	8	4	19.96	20.01	20.19		
3	16QAM	16	0	20.06	20.04	20.04		
3	16QAM	16	0	20.15	20.01	19.75	21.5	0
3	64QAM	1	0	20.06	20.04	20.04		
3	64QAM	1	0	20.10	19.86	20.08		
3	64QAM	1	14	20.02	20.09	20.06	21.5	0
3	64QAM	8	0	19.87	19.84	20.15		
3	64QAM	8	0	19.98	20.02	20.22	21.5	0
3	64QAM	8	7	20.19	19.98	20.04		
3	256QAM	1	0	19.43	19.57	19.44	20	1.5
3	256QAM	1	8	19.45	19.45	19.52		
3	256QAM	8	0	19.48	19.58	19.38		
3	256QAM	8	0	19.48	19.73	19.39		
3	256QAM	8	4	19.47	19.44	19.52		
3	256QAM	16	0	19.52	19.46	19.44		
3	256QAM	16	0	19.56	19.50	19.39		
Channel				19.56	19.66	19.39	Turn-up time (s)	MPR (dB)
Frequency [MHz]								
1.4	QPSK	1	0	20.24	20.30	20.27	21.5	0
1.4	QPSK	1	3	20.24	20.22	20.13		
1.4	QPSK	1	5	20.14	20.20	20.13	21.5	0
1.4	QPSK	3	0	20.18	20.20	20.08		
1.4	QPSK	3	20	20.11	20.24	20.04	21.5	0
1.4	QPSK	6	0	20.15	19.95	19.99		
1.4	QPSK	6	20	20.13	20.23	20.10		
1.4	16QAM	1	0	19.94	20.21	20.07	21.5	0
1.4	16QAM	1	3	20.01	19.99	20.15		
1.4	16QAM	3	0	19.87	19.95	20.17	21.5	0
1.4	16QAM	3	0	19.90	20.07	20.10		
1.4	16QAM	3	20	20.05	20.10	20.05	21.5	0
1.4	16QAM	6	0	20.08	20.05	19.74		
1.4	64QAM	1	0	20.07	19.89	20.15	21.5	0
1.4	64QAM	1	3	20.07	19.88	20.14		
1.4	64QAM	3	0	19.84	19.91	20.16	21.5	0
1.4	64QAM	3	0	19.85	19.99	20.02		
1.4	64QAM	3	1	19.93	19.98	20.12	21.5	0
1.4	64QAM	6	0	19.93	19.98	20.12		
1.4	256QAM	1	0	19.53	19.60	19.44	20	1.5
1.4	256QAM	1	3	19.53	19.56	19.47		
1.4	256QAM	3	0	19.57	19.70	19.41		
1.4	256QAM	3	0	19.45	19.48	19.48		
1.4	256QAM	3	1	19.41	19.56	19.41		
1.4	256QAM	6	0	19.53	19.56	19.47		
1.4	256QAM	6	0	19.53	19.56	19.47		

Band 71 Ant0 Standalone DS16										
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Total up limit (dBm)	MPE (dB)		
Channel				133222	133332	133372				
Frequency (MHz)				673	683	688				
20	QPSK	1	0	22.78	22.81	22.81	24	0		
20	QPSK	1	49	22.55	22.73	22.71				
20	QPSK	1	99	22.50	22.56	22.65				
20	QPSK	50	0	22.41	22.52	22.51	24	0		
20	QPSK	50	24	22.32	22.37	22.34				
20	QPSK	50	50	22.33	22.42	22.40				
20	16QAM	1	0	22.58	22.67	22.56	24	0		
20	16QAM	1	49	22.70	22.75	22.63				
20	16QAM	1	99	22.39	22.52	22.41				
20	16QAM	50	0	22.04	22.07	21.98	23	1		
20	16QAM	50	24	21.84	21.84	21.81				
20	16QAM	50	50	21.87	21.83	21.76				
20	16QAM	100	0	21.41	21.45	21.25	23	1		
20	16QAM	100	24	21.41	21.45	21.25				
20	64QAM	1	0	22.58	22.69	22.56				
20	64QAM	1	49	22.52	22.51	22.25	24	0		
20	64QAM	1	99	22.25	22.34	22.29				
20	64QAM	50	0	21.87	21.92	22.01				
20	64QAM	50	24	21.58	21.73	21.73	23	1		
20	64QAM	50	50	21.57	21.66	21.54				
20	64QAM	100	0	21.19	21.39	21.41				
20	256QAM	1	0	18.95	19.12	19.10	20	4		
20	256QAM	1	49	19.08	19.21	19.19				
20	256QAM	1	99	19.00	19.17	18.98				
20	256QAM	50	0	19.18	19.27	19.13	20	4		
20	256QAM	50	24	19.25	19.29	19.25				
20	256QAM	50	50	18.93	19.04	18.87				
20	256QAM	100	0	19.10	19.23	19.11				
Channel				133197	133297	133397	Total up limit (dBm)	MPE (dB)		
Frequency (MHz)				670.5	680.5	690.5				
15	QPSK	1	0	22.75	22.73	22.79	24	0		
15	QPSK	1	37	22.44	22.62	22.81				
15	QPSK	1	74	22.54	22.45	22.48				
15	QPSK	36	0	22.44	22.68	22.58	24	0		
15	QPSK	36	20	22.21	22.48	22.38				
15	QPSK	36	39	22.32	22.26	22.35				
15	16QAM	75	0	22.24	22.39	22.41	24	0		
15	16QAM	1	0	22.44	22.81	22.48				
15	16QAM	1	37	22.65	22.58	22.41				
15	16QAM	1	74	22.17	22.51	22.27	23	1		
15	16QAM	36	0	21.89	22.00	21.99				
15	16QAM	36	20	21.59	21.67	21.61				
15	16QAM	36	39	21.76	21.71	21.73	24	0		
15	16QAM	75	0	21.31	21.25	21.16				
15	64QAM	1	0	22.58	22.59	22.54				
15	64QAM	1	37	22.23	22.59	22.29	23	1		
15	64QAM	1	74	22.15	22.20	22.23				
15	64QAM	36	0	21.88	21.83	21.89				
15	64QAM	36	20	21.49	21.58	21.71	20	4		
15	64QAM	36	39	21.47	21.90	21.55				
15	64QAM	75	0	21.08	21.27	21.30				
15	256QAM	1	0	18.95	19.09	19.03	20	4		
15	256QAM	1	37	18.89	19.23	19.03				
15	256QAM	1	74	18.92	19.10	18.77				
15	256QAM	36	0	19.05	19.15	19.09	20	4		
15	256QAM	36	20	19.13	19.11	19.22				
15	256QAM	36	39	18.88	18.77	18.79				
15	256QAM	75	0	19.01	19.07	19.01				
Channel				133172	133272	133372	Total up limit (dBm)	MPE (dB)		
Frequency (MHz)				668	678	683				
10	QPSK	1	0	22.64	22.61	22.62	24	0		
10	QPSK	1	25	22.57	22.66	22.58				
10	QPSK	1	49	22.53	22.49	22.50				
10	QPSK	25	0	22.29	22.57	22.64	24	0		
10	QPSK	25	12	22.22	22.32	22.43				
10	QPSK	25	25	22.34	22.34	22.27				
10	16QAM	50	0	22.12	22.37	22.29	24	0		
10	16QAM	1	0	22.44	22.50	22.58				
10	16QAM	1	25	22.88	22.72	22.52				
10	16QAM	1	49	22.27	22.54	22.28	23	1		
10	16QAM	25	0	22.00	21.90	21.87				
10	16QAM	25	12	21.70	21.68	21.74				
10	16QAM	25	25	21.86	21.76	21.75	24	0		
10	16QAM	50	0	21.32	21.43	21.57				
10	64QAM	1	0	22.60	22.62	22.57				
10	64QAM	1	25	22.15	22.41	22.29	23	1		
10	64QAM	1	49	22.19	22.16	22.25				
10	64QAM	25	0	21.88	21.72	21.84				
10	64QAM	25	12	21.56	21.74	21.65	20	4		
10	64QAM	25	25	21.45	21.50	21.48				
10	64QAM	50	0	21.08	21.32	21.35				
10	256QAM	1	0	18.78	19.08	19.04	20	4		
10	256QAM	1	25	19.04	19.23	19.04				
10	256QAM	1	49	18.97	18.99	18.85				
10	256QAM	25	0	19.07	19.21	19.02	20	4		
10	256QAM	25	12	19.04	19.14	19.20				
10	256QAM	25	25	18.84	18.78	18.72				
10	256QAM	50	0	19.09	19.10	19.12				
Channel				133147	133247	133347	Total up limit (dBm)	MPE (dB)		
Frequency (MHz)				665.5	675.5	686.5				
5	QPSK	1	0	22.75	22.59	22.53	24	0		
5	QPSK	1	12	22.35	22.64	22.59				
5	QPSK	1	24	22.31	22.40	22.37				
5	QPSK	12	0	22.41	22.55	22.54	24	0		
5	QPSK	12	7	22.31	22.40	22.51				
5	QPSK	12	13	22.25	22.35	22.25				
5	QPSK	25	0	22.29	22.23	22.29	24	0		
5	16QAM	1	0	22.50	22.49	22.42				
5	16QAM	1	12	22.65	22.72	22.61				
5	16QAM	1	24	22.12	22.43	22.24	23	1		
5	16QAM	12	0	21.84	21.89	21.98				
5	16QAM	12	7	21.70	21.78	21.70				
5	16QAM	12	13	21.65	21.63	21.60	23	1		
5	16QAM	25	0	21.32	21.24	21.21				
5	64QAM	1	0	22.52	22.61	22.49				
5	64QAM	1	12	22.28	22.35	22.36	24	0		
5	64QAM	1	24	22.18	22.13	22.19				
5	64QAM	12	0	21.65	21.70	21.81				
5	64QAM	12	7	21.57	21.64	21.55	23	1		
5	64QAM	12	13	21.39	21.50	21.42				
5	16QAM	25	0	21.08	21.34	21.24				
5	256QAM	1	0	18.91	19.04	18.94	20	4		
5	256QAM	1	12	18.97	19.10	18.88				
5	256QAM	1	24	18.97	19.02	18.92				
5	256QAM	12	0	19.08	19.17	19.08	20	4		
5	256QAM	12	7	19.09	19.12	19.09				
5	256QAM	12	13	19.02	19.30	18.97				



Band 2 Ant0_DS16 Simultaneous									
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Ch. 1 / Freq.	Power Ch. 2 / Freq.	Power Ch. 3 / Freq.	Turn-up rate (dB)	MPE (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	18.85	18.92	18.78			
20	QPSK	1	49	18.88	18.94	18.77			
20	QPSK	1	99	18.86	18.96	18.78			
20	QPSK	50	0	18.84	18.90	18.87			
20	QPSK	50	24	18.84	18.94	18.87			
20	QPSK	50	50	18.83	18.85	18.98			
20	QPSK	100	0	18.82	18.87	18.88			
20	QPSK	100	5	18.83	18.77	18.87			
20	16QAM	1	49	18.87	18.97	18.83			
20	16QAM	1	99	18.70	18.83	18.81			
20	16QAM	50	0	18.88	18.84	18.81			
20	16QAM	50	24	18.83	18.89	18.98			
20	16QAM	50	50	18.80	18.73	18.80			
20	16QAM	100	0	18.86	18.81	18.83			
20	16QAM	1	0	18.88	18.79	18.81			
20	16QAM	1	49	18.83	18.73	18.82			
20	16QAM	1	99	18.80	18.69	18.75			
20	16QAM	50	0	18.86	18.84	18.71			
20	16QAM	50	24	18.72	18.86	18.83			
20	16QAM	50	50	18.54	18.72	18.69			
20	16QAM	100	0	18.83	18.79	18.68			
20	256QAM	1	99	18.74	18.76	18.82			
20	256QAM	50	0	18.76	18.82	18.81			
20	256QAM	50	24	18.64	18.80	18.72			
20	256QAM	50	50	18.52	18.78	18.71			
20	256QAM	100	0	18.62	18.78	18.68			
Channel									
Frequency (MHz)									
15	QPSK	1	0	18.07	18.00	18.15			
15	QPSK	1	0	18.72	18.84	18.68			
15	QPSK	1	49	18.07	18.08	18.09			
15	QPSK	1	74	18.41	18.41	18.71			
15	QPSK	36	0	18.02	18.03	18.77			
15	QPSK	36	1	18.04	18.04	18.60			
15	QPSK	36	39	18.09	18.71	18.50			
15	QPSK	75	0	18.06	18.74	18.69			
15	16QAM	1	1	18.04	18.04	18.80			
15	16QAM	1	37	18.52	18.53	18.53			
15	16QAM	1	74	18.40	18.40	18.63			
15	16QAM	36	0	18.00	18.74	18.71			
15	16QAM	36	20	18.48	18.54	18.54			
15	16QAM	36	7	18.00	18.00	18.59			
15	16QAM	75	0	18.05	18.69	18.41			
15	64QAM	1	0	18.04	18.06	18.67			
15	64QAM	36	0	18.02	18.04	18.68			
15	64QAM	1	74	18.73	18.56	18.65			
15	64QAM	36	0	18.70	18.78	18.68			
15	64QAM	36	7	18.04	18.04	18.73			
15	64QAM	36	39	18.05	18.05	18.57			
15	64QAM	75	0	18.06	18.74	18.69			
15	256QAM	1	37	18.50	18.51	18.51			
15	256QAM	1	74	18.70	18.62	18.73			
15	256QAM	36	0	18.76	18.72	18.67			
15	256QAM	36	20	18.48	18.48	18.58			
15	256QAM	36	39	18.48	18.65	18.58			
15	256QAM	75	0	18.56	18.56	18.56			
Channel									
Frequency (MHz)									
10	QPSK	1	0	18.05	18.00	18.15			
10	QPSK	1	25	18.09	18.08	18.69			
10	QPSK	1	49	18.45	18.51	18.69			
10	QPSK	36	0	18.05	18.05	18.62			
10	QPSK	36	12	18.05	18.01	18.44			
10	QPSK	25	20	18.47	18.80	18.42			
10	QPSK	25	49	18.06	18.06	18.42			
10	16QAM	1	0	18.08	18.06	18.83			
10	16QAM	1	26	18.35	18.45	18.47			
10	16QAM	1	49	18.02	18.48	18.49			
10	16QAM	25	0	18.01	18.01	18.67			
10	16QAM	25	12	18.05	18.58	18.58			
10	16QAM	25	14	18.54	18.05	18.77			
10	16QAM	50	0	18.07	18.78	18.45			
10	64QAM	1	0	18.01	18.72	18.76			
10	64QAM	50	0	18.05	18.08	18.56			
10	64QAM	1	49	18.09	18.62	18.67			
10	64QAM	25	0	18.72	18.78	18.61			
10	64QAM	25	12	18.05	18.05	18.63			
10	64QAM	50	0	18.03	18.63	18.62			
10	256QAM	1	12	18.52	18.63	18.65			
10	256QAM	1	25	18.40	18.57	18.69			
10	256QAM	1	49	18.02	18.63	18.76			
10	256QAM	1	74	18.76	18.26	18.65			
10	256QAM	25	12	18.32	18.53	18.59			
10	256QAM	25	20	18.37	18.62	18.56			
10	256QAM	50	0	18.48	18.50	18.55			
Channel									
Frequency (MHz)									
5	QPSK	1	0	18.07	18.00	18.15			
5	QPSK	1	12	18.54	18.56	18.62			
5	QPSK	1	24	18.50	18.41	18.65			
5	QPSK	1	49	18.04	18.07	18.61			
5	QPSK	12	7	18.07	18.53	18.47			
5	QPSK	12	13	18.57	18.80	18.41			
5	QPSK	24	0	18.05	18.74	18.60			
5	QPSK	24	5	18.55	18.74	18.60			
5	16QAM	1	0	18.49	18.46	18.72			
5	16QAM	1	12	18.40	18.45	18.58			
5	16QAM	1	49	18.08	18.44	18.41			
5	16QAM	12	0	18.57	18.67	18.71			
5	16QAM	12	7	18.56	18.63	18.64			
5	16QAM	12	13	18.51	18.67	18.77			
5	16QAM	25	0	18.61	18.76	18.40			
5	64QAM	1	0	18.54	18.62	18.64			
5	64QAM	1	12	18.46	18.61	18.66			
5	64QAM	1	24	18.71	18.55	18.67			
5	64QAM	12	0	18.80	18.74	18.60			
5	64QAM	12	7	18.62	18.63	18.68			
5	64QAM	12	13	18.47	18.55	18.69			
5	64QAM	25	0	18.54	18.68	18.62			
5	256QAM	1	12	18.67	18.63	18.67			
5	256QAM	1	12	18.62	18.68	18.71			
5	256QAM	1	24	18.58	18.69	18.67			
5	256QAM	12	0	18.76	18.69	18.68			
5	256QAM	12	7	18.50	18.52	18.64			
5	256QAM	12	13	18.45	18.75	18.62			
5	256QAM	25	0	18.59	18.59	18.68			
Channel									
Frequency (MHz)									
3	QPSK	1	0	18.75	18.80	18.82			
3	QPSK	1	8	18.59	18.59	18.64			
3	QPSK	1	14	18.59	18.59	18.71			
3	QPSK	8	0	18.53	18.75	18.73			
3	QPSK	8	4	18.80	18.52	18.52			
3	QPSK	8	7	18.49	18.80	18.50			
3	16QAM	1	0	18.47	18.77	18.65			
3	16QAM	1	0	18.60	18.70	18.80			
3	16QAM	1	8	18.35	18.48	18.52			
3	16QAM	1	14	18.62	18.37	18.45			
3	16QAM	8	0	18.57	18.79	18.74			
3	16QAM	8	4	18.33	18.55	18.61			
3	16QAM	8	7	18.43	18.70	18.65			
3	16QAM	16	0	18.49	18.76	18.45			
3	64QAM	1	0	18.32	18.69	18.64			
3	64QAM	1	14	18.46	18.66	18.65			
3	64QAM	1	14	18.70	18.57	18.70			
3	64QAM	8	0	18.60	18.60	18.74			
3	64QAM	8	7	18.46	18.56	18.68			
3	64QAM	16	0	18.58	18.69	18.69			
3	256QAM	1	8	18.64	18.05	18.79			
3	256QAM	1	8	18.57	18.63	18.60			
3	256QAM	8	0	18.68	18.62	18.71			
3	256QAM	8	0	18.76	18.64	18.69			
3	256QAM	8	4	18.47	18.53	18.65			
3	256QAM	16	0	18.58	18.58	18.68			
3	256QAM	16	0	18.58	18.58	18.53			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	18.69	18.82	18.70			
1.4	QPSK	1	3	18.64	18.61	18.74			
1.4	QPSK	1	5	18.48	18.52	18.61			
1.4	QPSK	3	0	18.56	18.84	18.71			
1.4	QPSK	3	1	18.71	18.58	18.41			
1.4	QPSK	3	3	18.48	18.79	18.46			
1.4	QPSK	5	0	18.52	18.78	18.59			
1.4	16QAM	1	0	18.50	18.70	18.77			
1.4	16QAM	1	3	18.67	18.47	18.60			
1.4	16QAM	1	5	18.56	18.47	18.47			
1.4	16QAM	3	0						
1.4	16QAM	3	1	18.50	18.53	18.55			
1.4	16QAM	3	3	18.57	18.50	18.76			
1.4	16QAM	5	0	18.52	18.69	18.70			
1.4	16QAM	1	0	18.52	18.69	18.73			
1.4	16QAM	1	3	18.69	18.68	18.68			
1.4	16QAM	3	1	18.57	18.57	18.68			
1.4	16QAM	3	3	18.50	18.50	18.64			
1.4	16QAM	5	0	18.72	18.62	18.71			
1.4	16QAM	1	0	18.71	18.61	18.69			
1.4	16QAM	1	3	18.61	18.71	18.69			
1.4	16QAM	3	0	18.75	18.71	18.50			
1.4	16QAM	3	3	18.58	18.58	18.68			
1.4	256QAM	3	3	18.49	18.65	18.67			



Band 12 Ant0_DS16 Simultaneous												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Tune-up Int. (dB)	MPE (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.96	23.10	22.88			24	0		
10	QPSK	1	25	23.05	23.13	23.13						
10	QPSK	1	49	23.12	23.13	23.11						
10	QPSK	25	0	23.04	23.10	23.08						
10	QPSK	25	12	23.14	23.09	23.12			24	0		
10	QPSK	25	25	23.14	23.08	23.09						
10	QPSK	50	0	22.96	23.13	23.08						
10	16QAM	1	49	23.06	23.08	23.10						
10	16QAM	25	0	22.92	23.05	22.99			24	0		
10	16QAM	25	12	22.45	22.38	22.46						
10	16QAM	25	25	22.46	22.47	22.52						
10	16QAM	50	0	22.41	22.37	22.39						
10	64QAM	1	0	22.88	22.87	23.01			24	0		
10	64QAM	1	25	23.04	23.12	23.15						
10	64QAM	1	49	23.08	23.08	23.13						
10	64QAM	25	0	22.92	22.93	22.99						
10	64QAM	25	12	22.83	22.97	22.83			24	0		
10	64QAM	25	25	22.84	22.97	23.10						
10	64QAM	50	0	22.81	22.99	22.80						
10	256QAM	1	0	19.44	19.51	19.41						
10	256QAM	1	25	19.46	19.54	19.45			20	4		
10	256QAM	1	49	19.53	19.53	19.58						
10	256QAM	25	0	19.47	19.53	19.47						
10	256QAM	25	12	19.47	19.54	19.58						
10	256QAM	25	25	19.52	19.43	19.40			20	4		
10	256QAM	50	0	19.40	19.48	19.48						
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.80	23.03	22.77			24	0		
5	QPSK	1	12	23.02	22.94	23.11						
5	QPSK	1	24	22.93	23.08	23.13						
5	QPSK	12	0	22.84	22.99	22.89						
5	QPSK	12	7	23.09	22.89	22.96			24	0		
5	QPSK	12	13	22.96	23.07	22.79						
5	16QAM	1	0	22.80	22.74	22.83						
5	16QAM	1	12	22.82	22.97	23.00						
5	16QAM	1	24	22.84	22.98	23.12			24	0		
5	16QAM	12	0	22.24	22.15	22.38						
5	16QAM	12	7	22.44	22.40	22.32						
5	16QAM	25	0	22.27	22.17	22.25						
5	64QAM	1	0	22.72	22.81	22.98			24	0		
5	64QAM	1	24	22.96	23.02	23.08						
5	64QAM	1	24	23.00	22.95	23.05						
5	64QAM	12	0	22.48	22.38	22.42						
5	64QAM	12	13	22.51	22.31	22.43			24	0		
5	64QAM	25	0	22.45	22.35	22.45						
5	64QAM	25	0	22.65	22.60	22.48						
5	256QAM	1	0	19.43	19.51	19.45						
5	256QAM	1	12	19.41	19.51	19.46			20	4		
5	256QAM	1	24	19.44	19.48	19.59						
5	256QAM	12	0	19.33	19.55	19.42						
5	256QAM	12	7	19.43	19.49	19.61						
5	256QAM	12	13	19.48	19.55	19.34			20	4		
5	256QAM	25	0	19.34	19.42	19.43						
Channel												
Frequency (MHz)												
3	QPSK	1	0	22.71	22.94	22.70			24	0		
3	QPSK	1	8	22.82	22.89	23.04						
3	QPSK	1	14	22.92	22.91	22.80						
3	QPSK	8	0	22.86	23.08	22.80						
3	QPSK	8	4	22.88	22.97	22.92			24	0		
3	QPSK	8	7	22.96	22.80	22.84						
3	16QAM	1	0	22.71	22.92	22.87						
3	16QAM	1	8	22.74	22.92	22.89						
3	16QAM	1	14	22.80	23.04	22.79			24	0		
3	16QAM	8	0	22.16	22.24	22.25						
3	16QAM	8	4	22.28	22.08	22.22						
3	16QAM	8	7	22.37	22.37	22.26						
3	64QAM	1	0	22.26	22.22	22.10			24	0		
3	64QAM	1	8	22.80	22.76	22.87						
3	64QAM	1	8	22.79	22.98	23.00						
3	64QAM	1	14	22.77	22.88	22.83						
3	64QAM	8	0	22.34	22.21	22.37			24	0		
3	64QAM	8	4	22.36	22.40	22.49						
3	64QAM	8	7	22.41	22.90	22.95						
3	64QAM	15	0	22.43	22.40	22.34						
3	256QAM	1	0	19.43	19.60	19.28			20	4		
3	256QAM	1	8	19.42	19.53	19.59						
3	256QAM	1	14	19.53	19.52	19.64						
3	256QAM	8	0	19.56	19.54	19.55						
3	256QAM	8	4	19.44	19.43	19.58			20	4		
3	256QAM	8	7	19.61	19.39	19.29						
3	256QAM	15	0	19.28	19.61	19.38						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	21.82	22.19	22.11			24	0		
1.4	QPSK	1	3	22.96	23.00	23.15						
1.4	QPSK	1	5	22.90	22.93	23.07						
1.4	QPSK	3	0	22.86	23.01	23.17						
1.4	QPSK	3	1	22.97	23.04	23.16			24	0		
1.4	QPSK	3	3	22.97	23.00	23.12						
1.4	QPSK	8	0	22.86	23.08	23.15						
1.4	16QAM	1	0	22.94	23.14	23.18						
1.4	16QAM	1	3	22.98	23.05	23.17			24	0		
1.4	16QAM	1	5	22.93	23.01	23.13						
1.4	16QAM	3	0	22.76	22.81	22.81						
1.4	16QAM	3	1	22.77	22.78	22.83						
1.4	16QAM	3	3	22.73	22.78	22.81			24	0		
1.4	64QAM	1	0	22.39	22.45	22.58						
1.4	64QAM	1	3	23.01	22.97	23.10						
1.4	64QAM	1	5	22.83	22.91	23.03						
1.4	64QAM	3	0	22.85	22.93	23.05						
1.4	64QAM	3	1	22.87	22.90	23.04			24	0		
1.4	64QAM	3	3	22.86	22.88	23.01						
1.4	64QAM	6	0	22.90	22.98	23.10						
1.4	256QAM	1	0	19.37	19.58	19.28						
1.4	256QAM	1	3	19.48	19.61	19.93			20	4		
1.4	256QAM	1	5	19.57	19.53	19.90						
1.4	256QAM	3	0	19.35	19.62	19.85						
1.4	256QAM	3	1	19.65	19.57	19.49						
1.4	256QAM	6	0	19.51	19.99	19.96			20	4		
1.4	256QAM	6	3	19.37	19.54	19.90						
1.4	256QAM	6	5	19.37	19.54	19.90						
1.4	256QAM	6	6	19.37	19.54	19.90						

Band 13 Ant0 DS16 Simultaneous										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Tune-up Int. (dB)	MPE (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.96					24	0
10	QPSK	1	25	22.96						
10	QPSK	1	49	22.96						
10	QPSK	25	0	22.96						
10	QPSK	25	12	22.94					24	0
10	QPSK	25	25	22.83						
10	QPSK	50	0	22.92						
10	16QAM	1	0	22.97						
10	16QAM	1	25	22.94					24	0
10	16QAM	1	49	22.11						
10	16QAM	25	0	21.79						
10	16QAM	25	12	21.34						
10	16QAM	25	25	21.81					24	0
10	16QAM	50	0	21.24						
10	16QAM	50	12	20.40						
10	16QAM	50	25	20.40						
10	16QAM	1	26	22.40					24	0
10	16QAM	1	49	22.32						
10	16QAM	25	0	21.80						
10	16QAM	25	12	21.22						
10	16QAM	25	25	21.34					23	1
10	16QAM	50	0	21.80						
10	16QAM	50	12	20.40						
10	16QAM	50	25	20.40						
10	256QAM	1	0	19.40					20	4
10	256QAM	1	25	19.34						
10	256QAM	1	49	18.95						
10	256QAM	25	0	18.95						
10	256QAM	25	12	18.36					20	4
10	256QAM	25	25	18.00						
10	256QAM	50	0	18.65						
10	256QAM	50	12	18.55						
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.05	22.99	22.74				
10	QPSK	1	25	22.05	22.99	22.74				
10	QPSK	1	49	22.05	22.99	22.74				
10	QPSK	1	0	22.08	22.04	22.25				
10	QPSK	1	12	22.05	22.08	22.02				
10	QPSK	1	24	22.16	21.76	21.99				
10	QPSK	1	22	22.47	22.41	22.07				
10	QPSK	12	7	22.07	22.01	22.03				
10	QPSK	12	19	22.08	22.18	22.13				
10	QPSK	25	0	22.38	22.16	22.42				
10	16QAM	1	0	22.59	22.30	22.02				
10	16QAM	1	12	22.40	22.39	22.02				
10	16QAM	1	22	22.72	21.76	21.96				
10	16QAM	12	0	21.54	21.45	21.79				
10	16QAM	12	12	21.32	21.68	21.73				
10	16QAM	12	18	21.34	21.71	21.37				
10	16QAM	25	0	21.42	21.20	21.69				
10	16QAM	25	12	21.44	21.23	21.64				
10	16QAM	1	12	22.34	22.30	22.04				
10	16QAM	1	24	22.05	22.76	22.74				
10	16QAM	12	0	21.51	21.93	21.78				
10	16QAM	12	12	21.01	21.47	21.60				
10	16QAM	12	18	21.07	21.80	21.35				
10	16QAM	25	0	21.43	21.20	21.64				
10	256QAM	1	0	18.30	11.58	18.44				
10	256QAM	1	12	18.38	18.44	18.36				
10	256QAM	1	24	18.30	18.31	18.31				
10	256QAM	12	18	18.53	18.51	18.55				
10	256QAM	12	7	18.62	18.54	18.58				
10	256QAM	12	15	18.72	18.51	18.51				
10	256QAM	12	15	18.47	18.47	18.51				

Band 25 Ant0_DSi6 Simultaneous														
BV (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up time (sec)	APR3 (dB)						
Channel														
2614.7 2634.9 2654.7														
20	QPSK	1	0	18.70	18.91	18.74	20	0						
20	QPSK	1	49	18.77	18.73	18.73								
20	QPSK	1	99	18.71	18.55	18.52								
20	QPSK	50	0	18.77	18.63	18.63								
20	QPSK	50	24	18.51	18.68	18.69	20	0						
20	QPSK	50	50	18.68	18.67	18.59								
20	16QAM	1	49	18.71	18.72	18.52								
20	16QAM	1	99	18.69	18.53	18.68								
20	16QAM	50	0	18.69	18.74	18.81	20	0						
20	16QAM	50	24	18.82	18.70	18.73								
20	16QAM	50	50	18.67	18.81	18.81								
20	64QAM	1	0	18.66	18.80	18.81								
20	64QAM	1	49	18.74	18.69	18.56	20	1.5						
20	64QAM	1	99	18.76	18.44	18.79								
20	64QAM	50	24	18.70	18.62	18.79								
20	64QAM	50	50	18.75	18.50	18.82								
20	256QAM	1	0	18.62	18.96	18.81	20	1.5						
20	256QAM	1	49	18.74	18.69	18.56								
20	256QAM	1	99	18.76	18.44	18.79								
20	256QAM	50	24	18.70	18.62	18.79								
20	256QAM	50	50	18.75	18.50	18.82	20	1.5						
20	256QAM	100	0	18.70	18.56	18.49								
Channel														
2611.5 2634.9 2654.7														
1867.5 1880 1907.5														
18	QPSK	1	0	18.85	18.77	18.80	20	0						
18	QPSK	1	37	18.43	18.68	18.69								
18	QPSK	1	74	18.87	18.47	18.34								
18	QPSK	36	0	18.71	18.74	18.80								
18	QPSK	36	25	18.39	18.58	18.65	20	0						
18	QPSK	36	39	18.60	18.56	18.42								
18	QPSK	75	0	18.50	18.67	18.84								
18	16QAM	1	0	18.48	18.61	18.49								
18	16QAM	1	37	18.61	18.50	18.39	20	0						
18	16QAM	1	74	18.42	18.56	18.41								
18	16QAM	36	0	18.63	18.68	18.47								
18	16QAM	36	25	18.48	18.60	18.67								
18	16QAM	36	39	18.60	18.44	18.43	20	0						
18	16QAM	75	0	18.50	18.54	18.48								
18	64QAM	1	0	18.51	18.62	18.53								
18	64QAM	1	37	18.41	18.58	18.52								
18	64QAM	1	74	18.40	18.65	18.45	20	0						
18	64QAM	36	0	18.66	18.54	18.56								
18	64QAM	36	25	18.54	18.62	18.61								
18	64QAM	36	39	18.57	18.55	18.44								
18	64QAM	75	0	18.62	18.40	18.41	20	1.5						
18	256QAM	1	0	18.53	18.52	18.54								
18	256QAM	1	37	18.50	18.55	18.41								
18	256QAM	1	74	18.48	18.37	18.72								
18	256QAM	36	0	18.58	18.46	18.45	20	1.5						
18	256QAM	36	25	18.58	18.48	18.82								
18	256QAM	36	39	18.63	18.43	18.49								
18	256QAM	75	0	18.43	18.48	18.49								
Channel														
2606.0 2634.9 2660.5														
1855 1880 1910														
18	QPSK	1	0	18.66	18.71	18.63	20	0						
18	QPSK	1	25	18.54	18.69	18.87								
18	QPSK	1	49	18.54	18.44	18.39								
18	QPSK	25	0	18.66	18.71	18.63								
18	QPSK	25	12	18.44	18.51	18.56	20	0						
18	QPSK	25	25	18.54	18.49	18.46								
18	QPSK	50	0	18.59	18.79	18.69								
18	16QAM	1	0	18.42	18.64	18.59								
18	16QAM	1	25	18.54	18.63	18.39	20	0						
18	16QAM	1	49	18.49	18.58	18.63								
18	16QAM	25	0	18.56	18.67	18.44								
18	16QAM	25	12	18.50	18.64	18.62								
18	16QAM	36	0	18.48	18.42	18.30	20	0						
18	16QAM	50	0	18.61	18.52	18.59								
18	64QAM	1	0	18.44	18.57	18.55								
18	64QAM	1	24	18.44	18.45	18.38								
18	64QAM	1	49	18.39	18.59	18.54	20	0						
18	64QAM	25	0	18.59	18.49	18.59								
18	64QAM	25	12	18.55	18.50	18.56								
18	64QAM	50	0	18.54	18.46	18.39								
18	256QAM	1	0	18.56	18.53	18.53	20	1.5						
18	256QAM	1	25	18.68	18.58	18.46								
18	256QAM	1	49	18.58	18.30	18.65								
18	256QAM	25	0	18.58	18.57	18.61								
18	256QAM	25	12	18.59	18.55	18.61	20	1.5						
18	256QAM	25	25	18.66	18.45	18.44								
18	256QAM	50	0	18.55	18.47	18.42								
Channel														
2606.0 2634.9 2660.5														
1855 1880 1910.5														
5	QPSK	1	0	18.64	18.66	18.63	20	0						
5	QPSK	1	12	18.57	18.63	18.68								
5	QPSK	1	24	18.67	18.48	18.47								
5	QPSK	12	0	18.66	18.71	18.66								
5	QPSK	12	7	18.42	18.50	18.59	20	0						
5	QPSK	12	13	18.67	18.58	18.47								
5	QPSK	25	0	18.54	18.71	18.64								
5	16QAM	1	0	18.38	18.60	18.57								
5	16QAM	1	12	18.67	18.66	18.38	20	0						
5	16QAM	1	24	18.59	18.45	18.33								
5	16QAM	12	0	18.50	18.69	18.44								
5	16QAM	12	7	18.55	18.62	18.67								
5	16QAM	12	13	18.49	18.34	18.43	20	0						
5	16QAM	25	0	18.54	18.50	18.49								
5	64QAM	1	0	18.50	18.65	18.60								
5	64QAM	1	12	18.37	18.54	18.57								
5	64QAM	1	24	18.33	18.58	18.46	20	0						
5	64QAM	12	0	18.60	18.48	18.58								
5	64QAM	12	7	18.61	18.60	18.65								
5	64QAM	12	13	18.67	18.56	18.57								
5	64QAM	25	0	18.52	18.40	18.52	20	1.5						
5	256QAM	1	0	18.35	18.49	18.51								
5	256QAM	1	12	18.65	18.58	18.51								
5	256QAM	1	24	18.50	18.34	18.73	20	1.5						
5	256QAM	12	0	18.42	18.67	18.53								
5	256QAM	12	7	18.46	18.53	18.54								
5	256QAM	12	13	18.64	18.38	18.43								
5	256QAM	25	0	18.49	18.55	18.46	20	1.5						
Channel														
2604.7 2634.9 2654.7														
1861.5 1880 1913.5														
3	QPSK	1	0	18.60	18.67	18.64					20	0		
3	QPSK	1	12	18.57	18.63	18.68								
3	QPSK	1	24	18.67	18.48	18.47								
3	QPSK	14	0	18.66	18.71	18.66								
3	QPSK	12	7	18.42	18.50	18.59	20	0						
3	QPSK	12	13	18.67	18.58	18.47								
3	QPSK	25	0	18.54	18.71	18.64								
3	16QAM	1	0	18.38	18.60	18.57								
3	16QAM	1	12	18.67	18.66	18.38	20	0						
3	16QAM	1	24	18.59	18.45	18.33								
3	16QAM	12	0	18.50	18.69	18.44								
3	16QAM	12	7	18.55	18.62	18.67								
3	16QAM	12	13	18.49	18.34	18.43	20	0						
3	16QAM	25	0	18.54	18.50	18.49								
3	64QAM	1	0	18.50	18.65	18.60								
3	64QAM	1	12	18.37	18.54	18.57								
3	64QAM	1	24	18.33	18.58	18.46	20	0						
3	64QAM	12	0	18.60	18.48	18.58								
3	64QAM	12	7	18.61	18.60	18.65								
3	64QAM	12	13	18.67	18.56	18.57								
3	64QAM	25	0	18.52	18.40	18.52	20	1.5						
3	256QAM	1	0	18.35	18.49	18.51								
3	256QAM	1	12	18.65	18.58	18.51								
3	256QAM	1	24	18.50	18.34	18.73	20	1.5						
3	256QAM	12	0	18.42	18.67	18.53								
3	256QAM	12	7	18.46	18.53	18.54								
3	256QAM	12	13	18.64	18.38	18.43								
3	256QAM	25	0	18.49	18.55	18.46	20	1.5						
Channel														
2604.7 2634.9 2654.7														
1861.5 1880 1913.5														
3	QPSK	1	0	18.60	18.67	18.64					20	0		
3	QPSK	1	12	18.57	18.63	18.68								
3	QPSK	1	24	18.67	18.48	18.47								
3	QPSK	14	0	18.66	18.71	18.66								
3	QPSK	12	7	18.42	18.50	18.59	20	0						
3	QPSK	12	13	18.67	18.58	18.47								
3	QPSK	25	0	18.54	18.71	18.64								
3	16QAM	1	0	18.38	18.60	18.57								
3	16QAM	1	12	18.67	18.66	18.38	20	0						
3	16QAM	1	24	18.59	18.45	18.33								
3	16QAM	12	0	18.50	18.69	18.44								
3	16QAM	12	7	18.55	18.62	18.67								
3	16QAM	12	13	18.49	18.34	18.43	20	0						
3	16QAM	25	0	18.54	18.50	18.49								
3	64QAM	1	0	18.50	18.65	18.60								
3	64QAM	1	12	18.37	18.54	18.57								
3	64QAM	1	24	18.33	18.58	18.46	20	0						
3	64QAM	12	0	18.60	18.48	18.58								
3	64QAM	12	7	18.61	18.60	18.65								
3	64QAM	12	13	18.67	18.56	18.57								
3	64QAM	25	0	18.52	18.40	18.52	20	1.5						
3	256QAM	1	0	18.35	18.49	18.51								
3	256QAM	1	12	18.65	18.58	18.51								
3	256QAM	1	24	18.50	18.34	18.73	20	1.5						
3	256QAM	12	0	18.42	18.67	18.53								
3	256QAM	12	7	18.46	18.53	18.54								
3	256QAM	12	13	18.64	18.38	18.43								
3	256QAM	25	0	18.49	18.55	18.46	20	1.5						
Channel														
2604.7 2634.9 2654.7														
1861.5 1880 1913.5														
3	QPSK	1	0	18.60	18.67	18.64					20	0		
3	QPSK	1	12	18.57	18.63	18.68								
3	QPSK	1	24	18.67	18.48									

Band 66 Ant0_DSi6 Simultaneous											Band 71 Ant0_DSi6 Simultaneous														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up (ms)	MPR (dB)			BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up (ms)	MPR (dB)						
Channel											Channel														
Frequency (MHz)											Frequency (MHz)														
20	QPSK	1	0	19.44	19.57	19.53	20.5	0	24	0	20	QPSK	1	0	22.76	22.83	22.81	24	0	24	0				
20	QPSK	1	49	19.42	19.46	19.40																			
20	QPSK	1	99	19.41	19.43	19.38																			
20	QPSK	50	0	19.41	19.53	19.36																			
20	QPSK	50	24	19.31	19.35	19.51	20.5	0	24	0	20	QPSK	50	24	22.52	22.52	22.51								
20	QPSK	50	50	19.44	19.38	19.44																			
20	QPSK	100	0	19.42	19.50	19.48																			
20	16QAM	1	0	19.54	19.42	19.44																			
20	16QAM	1	49	19.32	19.35	19.45	20.5	0	24	0	20	16QAM	1	0	22.70	22.67	22.66								
20	16QAM	1	99	19.28	19.55	19.51																			
20	16QAM	50	0	19.58	19.51	19.40																			
20	16QAM	50	24	19.45	19.44	19.34																			
20	16QAM	50	50	19.55	19.54	19.38	20.5	0	23	1	20	16QAM	50	24	21.74	21.84	21.81								
20	16QAM	100	0	19.51	19.47	19.38																			
20	64QAM	1	0	19.32	19.55	19.40																			
20	64QAM	1	49	19.38	19.52	19.42																			
20	64QAM	1	99	19.48	19.51	19.36	20.5	0	24	0	20	64QAM	1	49	22.33	22.51	22.37								
20	64QAM	50	0	19.49	19.51	19.49																			
20	64QAM	50	24	19.24	19.40	19.40																			
20	64QAM	50	50	19.54	19.35	19.44																			
20	64QAM	100	0	19.47	19.40	19.37	18.5	2	20	4	20	64QAM	50	24	21.88	21.73	21.73								
20	256QAM	1	0	19.47	19.39	19.35																			
20	256QAM	1	49	19.28	19.47	19.25																			
20	256QAM	1	99	19.35	19.41	19.16																			
20	256QAM	50	0	19.45	19.35	19.28	18.5	2	20	4	20	256QAM	1	0	18.95	19.22	19.08								
20	256QAM	50	24	19.25	19.39	19.44																			
20	256QAM	50	50	19.53	19.33	19.40																			
20	256QAM	100	0	19.34	19.33	19.32																			
Channel											Channel														
Frequency (MHz)											Frequency (MHz)														
15	QPSK	1	0	19.48	19.52	19.48	20.5	0	24	0	15	QPSK	1	0	22.75	22.73	22.79								
15	QPSK	1	37	19.33	19.36	19.31																			
15	QPSK	1	74	19.28	19.34	19.25																			
15	QPSK	36	0	19.39	19.44	19.20																			
15	QPSK	36	20	19.20	19.44	19.39	20.5	0	24	0	15	QPSK	36	0	22.54	22.66	22.58								
15	QPSK	36	39	19.38	19.30	19.32																			
15	QPSK	75	0	19.28	19.40	19.36																			
15	16QAM	1	0	19.44	19.34	19.30																			
15	16QAM	1	37	19.19	19.31	19.32	20.5	0	24	0	15	16QAM	36	39	22.32	22.29	22.35								
15	16QAM	1	74	19.18	19.41	19.38																			
15	16QAM	36	0	19.44	19.43	19.34																			
15	16QAM	36	20	19.38	19.33	19.22																			
15	16QAM	36	39	19.42	19.41	19.35	20.5	0	23	1	15	16QAM	75	0	21.76	21.71	21.75								
15	16QAM	75	0	19.39	19.38	19.24																			
15	64QAM	1	0	19.18	19.43	19.27																			
15	64QAM	1	37	19.31	19.35	19.41																			
15	64QAM	1	74	19.35	19.45	19.29	20.5	0	23	1	15	64QAM	1	0	22.56	22.59	22.54								
15	64QAM	36	0	19.41	19.37	19.41																			
15	64QAM	36	20	19.18	19.35	19.26																			
15	64QAM	36	39	19.43	19.25	19.35																			
15	64QAM	75	0	19.37	19.36	19.27	18.5	2	20	4	15	64QAM	36	20	21.67	21.67	21.61								
15	256QAM	1	0	19.35	19.25	19.16																			
15	256QAM	1	37	19.23	19.35	19.12																			
15	256QAM	1	74	19.29	19.28	19.10																			
15	256QAM	36	0	19.39	19.45	19.23	18.5	2	20	4	15	256QAM	36	20	19.13	19.11	19.22								
15	256QAM	36	20	19.11	19.19	19.33																			
15	256QAM	36	39	19.25	19.22	19.26																			
15	256QAM	75	0	19.23	19.35	19.48																			
Channel											Channel														
Frequency (MHz)											Frequency (MHz)														
10	QPSK	1	0	19.44	19.43	19.43	20.5	0	24	0	10	QPSK	1	0	22.81	22.81	22.82								
10	QPSK	1	25	19.31	19.34	19.29																			
10	QPSK	1	49	19.27	19.37	19.24																			
10	QPSK	25	0	19.35	19.37	19.40																			
10	QPSK	25	12	19.18	19.39	19.40	20.5	0	24	0	10	QPSK	25	12	22.53	22.53	22.54								
10	QPSK	25	25	19.30	19.30	19.33																			
10	QPSK	50	0	19.36	19.35	19.33																			
10	16QAM	1	0	19.45	19.31	19.38																			
10	16QAM	1	25	19.18	19.24	19.32	20.5	0	24	0	10	16QAM	25	12	22.34	22.34	22.27								
10	16QAM	1	49	19.13	19.45	19.42																			
10	16QAM	25	0	19.31	19.47	19.31																			
10	16QAM	25	12	19.34	19.32	19.26																			
10	16QAM	50	0	19.40	19.44	19.36	20.5	0	23	1	10	16QAM	50	0	21.80	21.79	21.81								
10	16QAM	50	0	19.39	19.37	19.26																			
10	64QAM	1	0	19.17	19.45	19.30																			
10	64QAM	1	25	19.31	19.35	19.29																			
10	64QAM	1	49	19.35	19.37	19.23	20.5	0	23	1	10	64QAM	1	49	22.12	22.18	22.25								
10	64QAM	25	0	19.39	19.45	19.41																			
10	64QAM	25	12	19.11	19.32	19.33																			
10	64QAM	25	25	19.42	19.19	19.35																			
10	64QAM	50	0	19.40	19.50	19.24	18.5	2	20	4	10	64QAM	25	12	21.66	21.74	21.65								
10	256QAM	1	0	19.33	19.22	19.24																			
10	256QAM	1	25	19.14	19.36	19.20																			
10	256QAM	1	49	19.21	19.30	19.08																			
10	256QAM	25	0	19.34	19.40	19.38	18.5	2	20	4	10	256QAM	25	12	21.84	21.83	21.84								
10	256QAM	25	12	19.15	19.19	19.31																			
10	256QAM	25	25	19.28	19.12	19.31																			
10	256QAM	50	0	19.23	19.35	19.37																			
Channel											Channel														
Frequency (MHz)											Frequency (MHz)														
5	QPSK	1	0	19.42	19.46	19.47	20.5	0	24	0	5	QPSK	1	0	22.75	22.80	22.83								
5	QPSK	1	12	19.34	19.38	19.28																			
5	QPSK	1	24	19.28	19.35	19.26																			
5	QPSK	12	0	19.38	19.45	19.36																			
5	QPSK	12	7	19.22	19.37	19.37	20.5	0	24	0	5	QPSK	12	0	22.41	22.50	22.54								
5	QPSK	12	13	19.38	19.30	19.39																			
5	QPSK	25	0	19.35	19.42	19.38																			
5	16QAM	1	0	19.43	19.29	19.34																			
5	16QAM	1	12	19.21	19.24	19.39	20.5	0	24	0	5	16QAM	1	0	22.50	22.49	22.42								
5	16QAM	1	24	19.17	19.42	19.39																			
5	16QAM	12	0	19.43	19.40	19.27																			
5	16QAM	12	7	19.30	19.38	19.21																			
5	16QAM	12	13	19.49	19.47	19.25	20.5	0	23	1	5	16QAM	12	13	21.65	21.63	21.60								
5	16QAM	25	0	19.37	19.37	19.25																			
5	64QAM	1	0	19.24	19.45	19.31																			
5	64QAM	1	12	19.25	19.35	19.32																			
5	64QAM	1	24	19.39	19.39	19.26	20.5	0	23	1	5	64QAM	1	24	22.28	22.30	22.19								
5	64QAM	12	0	19.38	19.44	19.39																			
5	64QAM	12	7	19.18	19.37	19.28																			
5	64QAM	12	13	19.42	19.20	19.33																			
5	64QAM	25	0	19.34	19.35	19.32	18.5	2	20	4	5	64QAM	12	13	21.86	21.79	21.81								
5	256QAM	1	0	19.34	19.35	19.32																			
5	256QAM	1	12	19.16	19.35	19.11																			
5	256QAM	1	24	19.25	19.25	19.03																			
5	256QAM	12	0	19.38	19.44	19.22	18.5	2	20	4	5	256QAM	1	0	18.93	18.97	18.91								
5	256QAM	12	0	19.37	19.36	19.22																			
5	256QAM	12	7	19.28	19.15	19.33																			
5	256QAM	12	13	19.28	19.15	19.33																			
5	256QAM	25	0	19.27	19.40	19.37																			
5	256QAM	25	0	19.20	19.35	19.41																			
Channel											Channel														
Frequency (MHz)											Frequency (MHz)														
3	QPSK	1	0	19.40	19.52	19.41	20.5	0	24	0	3	QPSK	1	0	22.79	22.82	22.81								
3	QPSK	1	49	19.38	19.40	19.39																			
3	QPSK	1	99	19.38	19.40	19.39																			
3	QPSK	1	14	19.30	19.25	19.25																			
3	QPSK	8	0	19.39	19.38	19.28	20.5	0	24	0	3	QPSK	8	0	22.47	22.47	22.42								
3	QPSK	8	7	19.27	19.37	19.42																			
3	QPSK	8	7	19.37	19.25	19.31																			
3	QPSK	15	0	19.38	19.41	19.38																			
3	QPSK	15	0	19.43	19.38	19.33	20.5	0	24	0	3	QPSK	15	0	22.49	22.49	22.42								
3	QPSK	15	7	19.27	19.32	19.32																			
3	16QAM	1	8	19.28	19.25	19.32																			
3	16QAM	1	14	19.14	19.40	19.39																			
3	16QAM	8	0	19.50	19.45	19.32	20.5	0	23	1	3	16QAM	8	0	21.65	21.75	21.81								
3	16QAM	8	4	19.39	19.34	19.28																			
3	16QAM	8	7	19.45	19.45	19.31																			
3	16QAM	15	0	19.42	19.36	19.29																			
3	16QAM	1	0	19.19	19.40	19.45	20.5	0	23	1	3	16QAM	1	0	19.31	19.04	19.09								
3	16QAM	1	8	19.20	19.18	19.28																			
3	16QAM	8	0	19.39	19.46	19.42																			
3	16QAM	8	4	19.12	19.26	19.35																			
3	16QAM	8	7	19.44	19.38	19.31	18.5	2	20	4	3	16QAM	8	4	21.06	21.34	21.42								
3	16QAM	15	0	19.35	19.31	19.27																			
3	25																								



Band 38 Ant0_Standalone&Simultaneous DSI6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Turn-up time (dBm)	MFR (dB)
Channel								
				37950	38050	38150		
Frequency (MHz)								
20	QPSK	1	0	23.59	23.59	23.56		
20	QPSK	1	48	23.73	23.85	23.80	24	0
20	QPSK	1	88	23.75	23.81	23.82		
20	QPSK	50	0	23.59	23.67	23.62		
20	QPSK	50	24	23.75	23.77	23.46	24	0
20	QPSK	50	88	23.76	23.89	23.87		
20	QPSK	100	0	23.73	23.84	23.72		
20	QPSK	100	48	23.49	23.89	23.84	24	0
20	QPSK	100	88	23.74	23.71	23.17		
20	HQAM	1	99	23.80	23.89	23.87		
20	HQAM	50	24	23.67	23.67	23.85	24	0
20	HQAM	50	88	23.66	23.72	23.19		
20	HQAM	100	0	23.07	23.13	23.17		
20	HQAM	100	48	23.09	23.01	23.17		
20	HQAM	100	88	23.03	23.02	23.08	21	3
20	HQAM	100	99	23.15	23.21	23.27		
20	HQAM	50	0	19.90	20.30	20.12		
20	HQAM	50	24	20.09	20.13	20.24	21	3
20	HQAM	50	88	20.25	20.38	20.28		
20	HQAM	100	0	20.17	20.20	20.28		
Channel								
				2517.5	2517.5	2517.5		
Frequency (MHz)								
15	QPSK	1	0	23.60	23.68	23.13		
15	QPSK	1	37	23.87	23.87	23.36	24	0
15	QPSK	1	74	23.54	23.79	23.37		
15	QPSK	36	0	23.52	23.84	23.18		
15	QPSK	36	20	23.79	23.79	23.73	24	0
15	QPSK	36	36	23.42	23.70	23.77		
15	HQAM	1	0	23.45	23.53	23.44		
15	HQAM	1	37	23.60	23.51	23.85	24	0
15	HQAM	1	74	23.71	23.78	23.70		
15	HQAM	36	0	22.76	23.01	22.84		
15	HQAM	36	20	23.02	23.02	23.07	24	0
15	HQAM	36	36	23.00	23.11	23.06		
15	HQAM	75	0	22.79	22.83	23.01		
15	HQAM	75	0	22.86	22.79	23.05		
15	HQAM	1	37	23.53	23.89	23.73	24	0
15	HQAM	1	74	23.68	23.62	23.81		
15	HQAM	36	0	22.86	22.79	23.05		
15	HQAM	36	20	23.02	23.02	23.18	24	0
15	HQAM	36	36	23.00	23.11	23.06		
15	HQAM	75	0	22.83	22.85	23.02		
15	HQAM	75	0	22.91	23.01	23.05		
15	HQAM	1	37	23.53	23.89	23.73	21	3
15	HQAM	1	74	23.68	23.62	23.81		
15	HQAM	36	0	22.86	22.79	23.05		
15	HQAM	36	20	23.02	23.02	23.18	21	3
15	HQAM	36	36	23.00	23.11	23.06		
15	HQAM	75	0	22.86	22.85	23.02		
15	HQAM	75	0	22.91	23.01	23.05		
Channel								
				2515	2515	2515		
Frequency (MHz)								
10	QPSK	1	0	23.67	23.67	23.67		
10	QPSK	1	25	23.87	23.78	23.87	24	0
10	QPSK	1	48	23.60	23.61	23.69		
10	QPSK	1	88	23.65	23.65	23.65		
10	QPSK	25	12	23.69	23.74	23.75	24	0
10	QPSK	25	25	23.71	23.85	23.83		
10	QPSK	25	48	23.67	23.67	23.67		
10	HQAM	1	0	23.61	23.67	23.62		
10	HQAM	1	25	23.66	23.82	23.85	24	0
10	HQAM	1	48	23.76	23.84	23.66		
10	HQAM	25	0	22.78	22.84	22.74		
10	HQAM	25	12	23.08	23.08	23.11		
10	HQAM	25	25	23.01	23.02	23.11	24	0
10	HQAM	50	0	22.87	22.85	23.10		
10	HQAM	50	0	22.83	22.89	23.01		
10	HQAM	1	25	23.64	23.67	23.74	24	0
10	HQAM	1	48	23.68	23.61	23.75		
10	HQAM	25	0	22.83	22.89	23.01		
10	HQAM	25	12	22.96	23.04	23.02	24	0
10	HQAM	25	25	22.94	23.15	23.16		
10	HQAM	50	0	22.99	22.86	23.16		
10	HQAM	50	0	25.01	25.01	25.16		
10	HQAM	1	25	25.02	25.02	25.16	21	3
10	HQAM	1	48	25.01	25.15	25.15		
10	HQAM	25	0	25.07	25.24	25.21		
10	HQAM	25	12	25.06	25.22	25.04	21	3
10	HQAM	25	25	25.17	25.15	25.12		
10	HQAM	50	0	25.19	25.35	25.07		
Channel								
				2517.5	2517.5	2517.5		
Frequency (MHz)								
5	QPSK	1	0	23.33	23.60	23.54		
5	QPSK	1	12	23.44	23.54	23.60	24	0
5	QPSK	1	24	23.60	23.69	23.63		
5	QPSK	12	0	23.45	23.60	23.62		
5	QPSK	12	7	23.49	23.51	23.74	24	0
5	QPSK	12	13	23.49	23.59	23.81		
5	QPSK	25	0	23.54	23.54	23.70		
5	HQAM	1	0	23.42	23.48	23.53		
5	HQAM	1	12	23.54	23.44	23.65	24	0
5	HQAM	1	24	23.55	23.51	23.78		
5	HQAM	12	0	22.71	22.76	22.74		
5	HQAM	12	7	22.96	22.80	22.86	24	0
5	HQAM	12	13	22.80	22.86	23.00		
5	HQAM	25	0	22.78	22.84	23.02		
5	HQAM	25	0	22.22	22.35	23.87	24	0
5	HQAM	12	0	23.49	23.47	23.69		
5	HQAM	1	24	23.49	23.61	23.59		
5	HQAM	12	0	22.76	22.75	22.97		
5	HQAM	12	7	22.88	22.86	23.08	24	0
5	HQAM	12	13	22.82	22.89	23.08		
5	HQAM	25	0	22.86	22.72	23.08		
5	HQAM	25	0	25.09	25.32	25.02		
5	HQAM	1	12	25.05	25.27	25.20	21	3
5	HQAM	1	24	25.11	25.33	25.27		
5	HQAM	12	0	25.08	25.27	25.08		
5	HQAM	12	7	25.22	25.11	25.14	21	3
5	HQAM	12	13	25.14	25.31	25.15		
5	HQAM	25	0	25.17	25.22	25.18		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Turn-up time (dBm)	MFR (dB)
Channel									
				39750	40185	40620	41055	41490	
Frequency (MHz)									
20	QPSK	1	0	23.65	23.46	23.62	23.52	23.44	
20	QPSK	1	48	23.63	23.59	23.70	23.60	23.46	24
20	QPSK	1	88	23.60	23.70	23.41	23.44	23.78	
20	QPSK	50	0	23.42	23.32	23.65	23.38	23.43	
20	QPSK	50	24	23.45	23.39	23.43	23.43	23.43	24
20	QPSK	50	88	23.40	23.34	23.49	23.46	23.53	
20	QPSK	100	0	23.42	23.33	23.51	23.46	23.40	
20	QPSK	100	48	23.19	23.13	23.34	23.27	23.38	24
20	QPSK	100	88	23.36	23.26	23.46	23.41	23.41	
20	QPSK	100	99	23.19	23.15	23.38	23.31	23.41	
20	HQAM	1	0	22.47	22.34	22.40	22.36	22.42	
20	HQAM	1	48	22.45	22.36	22.39	22.36	22.43	24
20	HQAM	1	88	22.46	22.36	22.42	22.38	22.44	
20	HQAM	50	0	22.42	22.37	22.49	22.46	22.46	24
20	HQAM	50	24	22.42	22.36	22.42	22.38	22.42	
20	HQAM	50	88	22.19	22.14	22.35	22.32	22.43	
20	HQAM	50	99	22.30	22.27	22.31	22.28	22.34	24
20	HQAM	100	0	22.40	22.38	22.44	22.40	22.44	
20	HQAM	100	48	22.40	22.35	22.51	22.47	22.50	24
20	HQAM	100	88	22.44	22.38	22.44	22.40	22.44	
20	HQAM	100	99	22.40	22.35	22.51	22.47	22.50	
20	HQAM	50	0	22.42	22.38	22.44	22.40	22.44	24
20	HQAM	50	24	22.44	22.38	22.44	22.40	22.44	
20	HQAM	50	88	22.40	22.35	22.51	22.47	22.50	
20	HQAM	100	0	22.43	22.36	22.48	22.44	22.48	24
20	HQAM	100	48	22.43	22.36	22.48	22.44	22.48	
20	HQAM	100	88	22.43	22.36	22.48	22.44	22.48	
20	HQAM	100	99	22.43	22.36	22.48	22.44	22.48	
20	HQAM	50	0	22.40	22.35	22.51	22.47	22.50	24
20	HQAM	50	24	22.44	22.38	22.44	22.40	22.44	
20	HQAM	50	88	22.40	22.35	22.51	22.47	22.50	
20	HQAM	100	0	22.43	22.36	22.48	22.44	22.48	24
20	HQAM	100	48	22.43	22.36	22.48	22.44	22.48	
20	HQAM	100	88	22.43	22.36	22.48	22.44	22.48	
20	HQAM	100	99	22.43	22.36	22.48	22.44	22.48	
20	HQAM	50	0	22.40	22.35	22.51	22.47	22.50	24
20	HQAM	50	24	22.44	22.38	22.44	22.40	22.44	
20	HQAM	50	88	22.40	22.35	22.51	22.47	22.50	
20	HQAM	100	0	22.43	22.36	22.48	22.44	22.48	24
20	HQAM	100	48	22.43	22.36	22.48	22.44	22.48	
20	HQAM	100	88	22.43	22.36	22.48	22.44	22.48	
20	HQAM	100	99	22.43	22.36	22.48	22.44	22.48	
20	HQAM	50	0	22.40	22.35	22.51	22.47	22.50	24
20	HQAM	50	24	22.44	22.38	22.44	22.40	22.44	
20	HQAM	50	88	22.40	22.35	22.51	22.47	22.50	
20	HQAM	100	0	22.43	22.36	22.48	22.44	22.48	24
20	HQAM	100	48	22.43	22.36	22.48	22.44	22.48	
20	HQAM	100	88	22.43	22.36	22.48	22.44	22.48	
20	HQAM	100	99	22.43	22.36	22.48	22.44	22.48	
20	HQAM	50	0	22.40	22.35	22.51	22.47	22.50	24
20	HQAM	50	24	22.44	22.38	22.44	22.40	22.44	
20	HQAM	50	88	22.40	22.35	22.51	22.47	22.50	
20	HQAM	100	0	22.43	22.36	22.48	22.44	22.48	24
20	HQAM	100	48	22.43	22.36	22.48	22.44	22.48	
20	HQAM	100	88	22.43	22.36	22.48	22.44	22.48	
20	HQAM	100	99	22.43	22.36	22.48	22.44	22.48	
20	HQAM	50	0	22.40	22.35	22.51	22.47	22.50	24
20	HQAM	50	24	22.44	22.38	22.44	22.40	22.44	
20	HQAM	50	88	22.40	22.35	22.51	22.47	22.50	
20	HQAM	100	0	22.43	22.36	22.48	22.44	22.48	24
20	HQAM	100	48	22.43	22.36	22.48	22.44	22.48	
20	HQAM	100	88	22.43	22.36	22.48	22.44	22.48	
20	HQAM	100	99	22.43	22.36	22.48	22.44	22.48	
20	HQAM	50	0	22.40	22.35	22.51	22.47	22.50	24
20	HQAM	50	24	22.44	22.38	22.44	22.40	22.44	
20	HQAM	50	88	22.40	22.35	22.51	22.47	22.50	
20	HQAM	100	0	22.43	22.36	22.48	22.44	22.48	24
20	HQAM	100	48	22.43	22.36	22.48	22.44	22.48	
20	HQAM	100	88	22.43	22.36	22.48	22.44	22.48	
20	HQAM	100	99	22.43	22.36	22.48	22.44	22.48	
20	HQAM	50	0	22.40	22.35	22.51	22.47	22.50	24
20	HQAM	50	24	22.44	22.38	22.44	22.40	22.44	
20	HQAM	50	88	22.40	22.35	22.51	22.47	22.50	
20	HQAM	100	0	22.43	22.36	22.48	22.44	22.48	24
20	HQAM	100	48	22.43	22.36	22.48	22.44	22.48	
20	HQAM	100	88	22.43	22.36	22.48	22.44	22.48	
20	HQAM	100	99	22.43	22.36	22.48	22.44	22.48	
20	HQAM	50	0	22.40	22.35	22.51	22.47	22.50	24
20	HQAM	50	24	22.44	22.38	22.44	22.40	22.44	
20	HQAM	50	88	22.40	22.35	22.51	22.47	22.50	
20	HQAM	100	0	22.43	22.36	22.48	22.44	22.48	24
20	HQAM	100	48	22.43	22.36	22.48	22.44	22.48	
20	HQAM	100	88	22.43	22.36	22.48	22.44	22.48	
20	HQAM	100	99	22.43	22.36	22.48	22.44	22.48	
20	HQAM	50	0	22.40	22.35	22.51	22.47	22.50	24
20	HQAM	50	24	22.44	22.38	22.44	22.40	22.44	
20	HQAM	50	88	22.40	22.35	22.51	22.47	22.50	
20	HQAM	100	0	22.43	22.36	22.48	22.44	22.48	24
20	HQAM	100	48	22.43	22.36	22.48	22.44	22.48	
20	HQAM	100	88	22.43	22.36	22.48	22.44	22.48	
20	HQAM	100	99	22.43	22.36	22.48	22.44	22.48	
20	HQAM	50	0	22.40	22.35	22.51	22.47	22.50	24
20	HQAM	50	24	22.44	22.38	22.44	22.40	22.44	
20	HQAM	50	88	22.40	22.35	22.51	22.47	22.50	
20	HQAM	100	0	22.43	22.36	22.48	22.44	22.48	24
20	HQAM	100	48	22.43	22.36	22.48	22.44	22.48	
20	HQAM	100	88	22.43	22.36	22.48	22.44	22.48	
20	HQAM	100	99	22.43	22.36	22.48	22.44	22.48	
20	HQAM	50	0	22.40	22.35	22.51	22.47	22.50	24
20	HQAM	50	24	22.44	22.38	22.44	22.40	22.44	
20	HQAM	50	88	22.40	22.35	22.51	22.47	22.50	
20	HQAM	100	0	22.43	22.36	22.48	22.44	22.48	24
20	HQAM	100	48	22.43	22.36	22.48	22.44	22.48	
20	HQAM	100	88	22.43	22.36	22.48	22.44	22.48	
20	HQAM	100	99	22.43	22.36	22.48	22.44	22.48	
20	HQAM	50	0	22.40	22.35	22.51	22.47	22.50	24
20	HQAM	50	24	22.44	22.38	22.44	22.40	22.44	
20	HQAM	50	88	22.40	22.35	22.51	22.47	22.50	
20	HQAM	100	0	22.43	22.36	22.48	22.44	22.48	24
20	HQAM	100	48	22.43	22.36	22.48	22.44	22.48	
20	HQAM	100	88	22.43	22.36	22.48	22.44	22.48	
20	HQAM	100	99	22.43	22.36	22.48	22.44	22.48	
20	HQAM	50	0	22.40	22.35	22.51	22.47	22.50	24
20	HQAM	50	24	22.44	22.38	22.44	22.40	22.44	
20	HQAM	50	88	22.40	22.35	22.51	22.47	22.50	
20	HQAM	100	0	22.43	22.36	22.48	22.44	22.48	24
20	HQAM	100	48	22.43	22.36	22.48	22.44	22.48	
20	HQAM	100	88	22.43	22.36	22.48	22.44	22.48	
20	HQAM	100	99	22.43	22.36	22.48	22.44	22.48	
20	HQAM	50	0	22.40	22.35	22.51	22.47	22.50	24
20	HQAM	50	24	22.44	22.38	22.44	22.40	22.44	
20	HQAM	50	88	22.40	22.35	22.51	22.47	22.50	
20	HQAM	100	0	22.43	22.36	22.48	22.44	22.48	24
20	HQAM	100	48	22.43	22.36	22.48	22.44	22.48	
20	HQAM	100	88	22.43	22.36	22.48	22.44	22.48	
20	HQAM	100	99	22.43	22.36	22.48	22.44	22.48	
20	HQAM	50	0	22.40	22.35	22.51	22.47	22.50	24
20	HQAM	50	24	22.44	22.38	22.44	22.40	22.44	
20	HQAM	50	88	22.40	22.35	22.51	22.47	22.50	
20	HQAM	100	0	22.43	22.36	22.48	22.44	22.48	24
20	HQAM	100	48	22.43	22.36	22.48	22.44	22.48	
20	HQAM	100	88	22.43	22.36	22.48	22.44	22.48	
20	HQAM	100	99	22.43	22.36	22.48	22.44	22.48	
20	HQAM	50	0	22.40	22.35	22.51	22.47	22.50	24
20	HQAM	50	24	22.44	22.38	22.44	22.40	22.44	
20	HQAM	50	88	22.40	22.35	22.51	22.47	22.50	
20	HQAM	100	0	22.43	22.36	22.48	22.44	22.48	24
20	HQAM	100	48	22.43	22.36	22.48	22.44	22.48	
20	HQAM	100	88	22.43	22.36	22.48	22.44	22.48	
20	HQAM	100	99	22.43	22.36	2			

Ant1 Standalone&Simultaneous DS16					Rcvr Full 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		32.03	31.92	32.16	33.50	23.03	22.92	23.16	24.50
GPRS 1 Tx slot		32.03	31.92	32.16	33.50	23.03	22.92	23.16	24.50
GPRS 2 Tx slots		29.17	29.02	28.96	30.50	23.17	23.02	22.96	24.50
GPRS 3 Tx slots		27.62	27.43	27.34	29.00	23.36	23.17	23.08	24.74
GPRS 4 Tx slots		25.51	25.65	25.60	27.50	22.51	22.65	22.60	24.50
EDGE 1 Tx slot		25.01	24.93	25.07	26.00	16.01	15.93	16.07	17.00
EDGE 2 Tx slots		23.26	23.11	23.35	25.00	17.26	17.11	17.35	19.00
EDGE 3 Tx slots		21.98	21.95	22.03	23.50	17.72	17.69	17.77	19.24
EDGE 4 Tx slots		19.94	19.88	20.13	21.50	16.94	16.88	17.13	18.50

Ant1 Standalone&Simultaneous DS16				
Band		4132	4182	4233
TX Channel		4357	4407	4458
Rx Channel		4357	4407	4458
Frequency (MHz)		826.4	836.4	846.6
3GPP Rel 99 AMR 12.2Kbps		23.41	23.55	23.56
3GPP Rel 99 RMC 12.2Kbps		23.46	23.65	23.62
3GPP Rel 6 HSDPA Subtest-1		22.62	22.88	22.99
3GPP Rel 6 HSDPA Subtest-2		22.75	22.88	22.98
3GPP Rel 6 HSDPA Subtest-3		22.26	22.39	22.45
3GPP Rel 6 HSDPA Subtest-4		22.27	22.38	22.47
3GPP Rel 8 DC-HSDPA Subtest-1		22.80	22.66	22.80
3GPP Rel 8 DC-HSDPA Subtest-2		22.64	22.78	22.76
3GPP Rel 8 DC-HSDPA Subtest-3		22.08	22.37	22.24
3GPP Rel 8 DC-HSDPA Subtest-4		22.14	22.21	22.33
3GPP Rel 6 HSUPA Subtest-1		22.76	22.83	22.93
3GPP Rel 6 HSUPA Subtest-2		20.78	20.84	20.93
3GPP Rel 6 HSUPA Subtest-3		21.73	21.79	21.89
3GPP Rel 6 HSUPA Subtest-4		20.73	20.84	20.88
3GPP Rel 6 HSUPA Subtest-5		22.70	22.80	22.90

Band 12 Ant1_Standalone DSI6														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Tune-up Int. (dB)	MPR (dB)						
Channel														
Frequency (MHz)														
10	QPSK	1	0	24.22	24.41	24.29	25	0						
10	QPSK	1	25	24.33	24.38	24.33								
10	QPSK	1	49	24.29	24.31	24.27								
10	QPSK	25	0	24.27	24.40	24.31								
10	QPSK	25	12	24.38	24.32	24.32								
10	QPSK	25	25	24.37	24.21	24.32	25	0						
10	QPSK	50	0	24.30	24.37	24.30								
10	16QAM	1	0	24.21	24.23	24.27								
10	16QAM	1	25	24.33	24.29	24.32								
10	16QAM	1	49	24.32	24.32	24.30								
10	16QAM	25	0	23.89	23.85	23.87	25	0						
10	16QAM	25	12	23.70	23.87	23.85								
10	16QAM	25	25	23.89	23.74	23.74								
10	16QAM	50	0	23.89	23.91	23.85								
10	64QAM	1	26	24.27	24.21	24.26								
10	64QAM	49	24	24.29	24.20	24.28	25	0						
10	64QAM	25	0	23.77	23.80	23.83								
10	64QAM	25	12	23.89	23.86	23.87								
10	64QAM	25	25	23.90	23.92	23.91								
10	64QAM	50	0	23.87	23.81	23.83								
10	256QAM	1	0	23.86	23.80	23.84	21	4						
10	256QAM	1	25	20.70	20.73	20.65								
10	256QAM	1	49	20.55	20.71	20.60								
10	256QAM	25	0	20.60	20.65	20.57								
10	256QAM	25	12	20.80	20.69	20.69								
10	256QAM	25	25	20.71	20.53	20.57	21	4						
10	256QAM	50	0	20.60	20.56	20.50								
Channel														
Frequency (MHz)														
5	QPSK	1	0	24.09	24.22	24.10			25	0				
5	QPSK	1	12	24.11	24.15	24.09								
5	QPSK	1	24	24.24	24.24	24.24								
5	QPSK	12	0	24.12	24.34	24.24								
5	QPSK	12	7	24.23	24.27	24.25								
5	QPSK	12	13	24.25	24.11	24.12	25	0						
5	QPSK	25	0	24.10	24.28	24.28								
5	16QAM	1	0	24.05	24.07	24.13								
5	16QAM	1	12	24.15	24.22	24.28								
5	16QAM	12	0	23.70	23.39	23.43								
5	16QAM	12	7	23.84	23.50	23.54	25	0						
5	16QAM	12	13	23.64	23.59	23.54								
5	16QAM	25	0	23.43	23.39	23.43								
5	64QAM	1	12	24.18	24.01	24.12								
5	64QAM	1	24	24.17	24.02	24.03								
5	64QAM	12	0	23.82	23.54	23.73	25	0						
5	64QAM	12	7	23.79	23.79	23.65								
5	64QAM	12	13	23.82	23.67	23.65								
5	64QAM	25	0	23.70	23.69	23.62								
5	256QAM	1	0	20.60	20.62	20.52								
5	256QAM	1	12	20.71	20.60	20.57	21	4						
5	256QAM	1	24	20.65	20.71	20.57								
5	256QAM	12	0	20.68	20.51	20.55								
5	256QAM	12	7	20.68	20.51	20.55								
5	256QAM	12	13	20.76	20.63	20.66								
5	256QAM	25	0	20.49	20.68	20.57	21	4						
Channel														
Frequency (MHz)														
3	QPSK	1	0	24.25	24.21	24.17			25	0				
3	QPSK	1	8	24.11	24.25	24.07								
3	QPSK	1	14	24.05	24.20	24.08								
3	QPSK	8	0	24.01	24.27	24.08								
3	QPSK	8	7	24.23	24.00	24.24								
3	QPSK	8	7	24.23	24.01	24.26	25	0						
3	16QAM	1	0	24.20	24.23	24.20								
3	16QAM	1	0	24.04	24.04	24.20								
3	16QAM	1	8	24.10	24.04	24.11								
3	16QAM	1	14	24.15	24.23	24.05								
3	16QAM	8	0	23.44	23.43	23.59	25	0						
3	16QAM	8	4	23.61	23.43	23.43								
3	16QAM	8	7	23.51	23.62	23.47								
3	16QAM	15	0	23.81	23.39	23.36								
3	64QAM	1	0	23.99	24.00	24.30								
3	64QAM	1	8	24.05	24.02	24.17	25	0						
3	64QAM	1	14	24.23	23.94	24.15								
3	64QAM	8	0	23.74	23.73	23.78								
3	64QAM	8	4	23.83	23.81	23.84								
3	64QAM	8	7	23.70	23.70	23.70								
3	256QAM	1	0	20.70	20.73	20.57	21	4						
3	256QAM	1	0	20.50	20.73	20.57								
3	256QAM	1	8	20.67	20.79	20.70								
3	256QAM	1	14	20.47	20.55	20.53								
3	256QAM	8	0	20.46	20.68	20.52								
3	256QAM	8	4	20.60	20.70	20.65	21	4						
3	256QAM	8	7	20.61	20.63	20.66								
3	256QAM	15	0	20.52	20.70	20.52								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	24.26	24.20	24.14	25	0						
1.4	QPSK	1	3	24.26	24.36	24.34								
1.4	QPSK	1	5	24.21	24.26	24.27								
1.4	QPSK	3	0	24.31	24.33	24.36								
1.4	QPSK	3	1	24.32	24.30	24.37								
1.4	QPSK	3	1	24.27	24.29	24.36	25	0						
1.4	QPSK	6	0	24.30	24.27	24.37								
1.4	16QAM	1	0	24.31	24.32	24.40								
1.4	16QAM	1	3	24.31	24.34	24.36								
1.4	16QAM	1	5	24.22	24.31	24.34								
1.4	16QAM	3	0	24.08	24.17	24.17	25	0						
1.4	16QAM	3	1	24.05	24.10	24.18								
1.4	16QAM	3	3	24.05	24.14	24.26								
1.4	16QAM	6	0	23.73	23.69	23.79								
1.4	64QAM	1	3	24.26	24.38	24.28								
1.4	64QAM	1	5	24.11	24.24	24.27	25	0						
1.4	64QAM	3	0	24.24	24.11	24.31								
1.4	64QAM	3	3	24.19	24.28	24.29								
1.4	64QAM	3	3	24.13	24.21	24.26								
1.4	64QAM	6	0	23.82	23.79	23.86								
1.4	256QAM	1	0	20.45	20.65	20.47	25	0						
1.4	256QAM	1	3	20.60	20.71	20.72								
1.4	256QAM	1	5	20.69	20.64	20.54								
1.4	256QAM	3	0	20.64	20.71	20.60								
1.4	256QAM	3	1	20.75	20.51	20.59								
1.4	256QAM	6	0	20.45	20.65	20.47	21	4						
1.4	256QAM	6	0	20.64	20.77	20.59								

Band 25 Ant1_Standalone DSI6														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up Init (dB)	MFR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	21.45	21.47	21.38	22.7	0						
20	QPSK	1	49	21.14	21.30	21.36								
20	QPSK	1	99	21.29	21.36	21.35	22.7	0						
20	QPSK	50	0	21.35	21.43	21.20								
20	QPSK	50	24	21.11	21.24	21.39	22.7	0						
20	QPSK	50	50	21.18	21.19	21.18								
20	16QAM	1	49	21.23	21.23	21.35	22.7	0						
20	16QAM	1	99	21.25	21.36	21.37								
20	16QAM	50	0	21.23	21.29	21.34	22.7	0						
20	16QAM	50	24	21.08	21.18	21.16								
20	16QAM	50	50	21.17	21.17	21.15	22.7	0						
20	16QAM	100	0	20.97	21.11	21.11								
20	256QAM	1	0	18.65	18.17	18.38	20	2.7						
20	256QAM	1	49	18.13	18.18	18.21								
20	256QAM	1	99	18.77	18.08	18.30	20	2.7						
20	256QAM	50	0	18.00	18.00	18.00								
20	256QAM	50	24	18.00	18.00	18.00	20	2.7						
20	256QAM	50	50	18.13	18.07	18.31								
20	256QAM	100	0	18.00	18.00	18.00	20	2.7						
Channel														
Frequency (MHz)														
18	QPSK	1	0	21.35	21.39	21.29					22.7	0		
18	QPSK	1	37	21.01	21.22	21.11								
18	QPSK	1	74	21.17	21.29	21.27	22.7	0						
18	QPSK	36	0	21.29	21.28	21.08								
18	QPSK	36	25	21.01	21.11	21.04	22.7	0						
18	QPSK	36	39	21.08	21.05	21.09								
18	QPSK	75	0	21.27	21.35	21.14	22.7	0						
18	16QAM	1	0	21.15	21.20	21.29								
18	16QAM	1	37	21.13	21.09	21.26	22.7	0						
18	16QAM	1	74	21.05	21.05	21.08								
18	16QAM	36	0	21.14	21.21	21.22	22.7	0						
18	16QAM	36	25	20.95	21.09	21.04								
18	16QAM	75	0	21.05	21.03	21.08	22.7	0						
18	16QAM	75	0	20.90	21.13	21.05								
18	64QAM	1	0	20.97	21.08	20.99	22.7	0						
18	64QAM	1	37	21.05	21.19	21.06								
18	64QAM	1	74	21.11	21.15	21.07	22.7	0						
18	64QAM	36	0	21.04	20.97	20.93								
18	64QAM	36	25	20.98	21.00	20.98	22.7	0						
18	64QAM	36	39	21.05	21.04	21.01								
18	64QAM	75	0	20.88	21.02	21.01	22.7	0						
18	256QAM	1	0	18.75	18.18	18.35								
18	256QAM	1	37	18.05	18.35	18.79	20	2.7						
18	256QAM	1	74	18.71	18.78	18.67								
18	256QAM	36	0	18.00	18.00	18.00	20	2.7						
18	256QAM	36	25	18.00	18.00	18.00								
18	256QAM	36	39	18.69	18.89	18.79	20	2.7						
18	256QAM	75	0	18.04	18.04	18.04								
18	256QAM	75	0	18.04	18.04	18.04								
Channel														
Frequency (MHz)														
20000	QPSK	1	0	21.80	21.80	21.80	22.7	0						
10	QPSK	1	0	21.80	21.80	21.80								
10	QPSK	1	25	21.08	21.24	21.11	22.7	0						
10	QPSK	1	49	21.14	21.21	21.28								
10	QPSK	12	0	21.04	21.12	21.05	22.7	0						
10	QPSK	25	12	21.04	21.12	21.05								
10	QPSK	25	25	21.07	21.08	21.12	22.7	0						
10	QPSK	25	39	21.07	21.08	21.12								
10	16QAM	1	0	21.16	21.22	21.20	22.7	0						
10	16QAM	1	25	21.18	21.10	21.24								
10	16QAM	1	49	21.13	21.27	21.24	22.7	0						
10	16QAM	25	0	21.16	21.18	21.13								
10	16QAM	25	12	20.98	21.12	21.09	22.7	0						
10	16QAM	36	0	21.05	21.07	21.03								
10	16QAM	50	0	20.94	21.11	21.04	22.7	0						
10	64QAM	1	0	21.00	21.17	20.98								
10	64QAM	1	24	21.04	21.17	21.12	22.7	0						
10	64QAM	1	49	21.15	21.20	21.13								
10	64QAM	25	0	21.01	20.97	20.92	22.7	0						
10	64QAM	25	12	20.96	21.00	20.98								
10	64QAM	25	25	21.05	20.93	21.01	22.7	0						
10	64QAM	50	0	20.83	21.01	21.05								
10	256QAM	1	0	18.74	18.17	18.35	20	2.7						
10	256QAM	1	25	18.96	18.89	18.72								
10	256QAM	1	49	18.64	18.86	18.89	20	2.7						
10	256QAM	25	0	18.00	18.00	18.04								
10	256QAM	25	12	18.91	18.94	18.84	20	2.7						
10	256QAM	25	25	18.87	18.86	18.86								
10	256QAM	50	0	18.91	18.91	18.95	20	2.7						
10	256QAM	50	0	18.91	18.91	18.95								
Channel														
Frequency (MHz)														
18053	QPSK	1	0	21.83	21.84	21.80	22.7	0						
5	QPSK	1	12	21.04	21.20	21.09								
5	QPSK	1	24	21.16	21.31	21.29	22.7	0						
5	QPSK	12	0	21.04	21.14	21.05								
5	QPSK	12	7	21.06	21.11	21.12	22.7	0						
5	QPSK	12	13	21.05	21.10	21.07								
5	QPSK	25	0	21.03	21.20	21.10	22.7	0						
5	16QAM	1	0	21.09	21.14	21.19								
5	16QAM	1	12	21.17	21.11	21.24	22.7	0						
5	16QAM	1	24	21.18	21.28	21.28								
5	16QAM	12	0	21.09	21.15	21.14	22.7	0						
5	16QAM	12	7	21.00	21.08	21.05								
5	16QAM	12	13	21.00	21.00	21.00	22.7	0						
5	16QAM	25	0	20.91	21.07	21.06								
5	64QAM	1	0	20.97	21.08	20.99	22.7	0						
5	64QAM	1	12	21.03	21.18	21.11								
5	64QAM	1	24	21.05	21.19	21.12	22.7	0						
5	64QAM	12	0	21.00	20.94	20.93								
5	64QAM	12	7	21.00	20.99	20.96	22.7	0						
5	64QAM	12	13	20.99	21.00	20.97								
5	64QAM	25	0	20.89	21.01	21.01	22.7	0						
5	64QAM	25	12	20.90	21.00	20.99								
5	64QAM	25	25	21.00	20.98	20.97	22.7	0						
5	64QAM	50	0	20.88	20.97	20.97								
5	256QAM	1	0	18.65	18.16	18.37	20	2.7						
5	256QAM	1	24	18.53	18.77	18.94								
5	256QAM	12	0	18.06	18.06	18.06	20	2.7						
5	256QAM	12	0	18.97	18.96	18.81								
5	256QAM	12	7	18.95	18.95	18.82	20	2.7						
5	256QAM	12	13	18.90	18.86	18.75								
5	256QAM	25	0	19.12	19.05	19.12	20	2.7						
5	256QAM	25	0	19.12	19.05	19.12								
Channel														
Frequency (MHz)														
3	QPSK	1	0	21.38	21.32	21.32	22.7	0						
3	QPSK	1	12	21.05	21.20	21.12								
3	QPSK	1	24	21.16	21.31	21.29	22.7	0						
3	QPSK	12	0	21.04	21.14	21.05								
3	QPSK	12	7	21.06	21.11	21.12	22.7	0						
3	QPSK	12	13	21.05	21.10	21.07								
3	QPSK	25	0	21.03	21.20	21.10	22.7	0						
3	16QAM	1	0	21.09	21.14	21.19								
3	16QAM	1	12	21.17	21.11	21.24	22.7	0						
3	16QAM	1	24	21.18	21.28	21.28								
3	16QAM	12	0	21.09	21.15	21.14	22.7	0						
3	16QAM	12	7	21.00	21.08	21.05								
3	16QAM	12	13	21.00	21.00	21.00	22.7	0						
3	16QAM	25	0	20.91	21.07	21.06								
3	64QAM	1	0	20.97	21.08	20.99	22.7	0						
3	64QAM	1	12	21.03	21.18	21.11								
3	64QAM	1	24	21.05	21.19	21.12	22.7	0						
3	64QAM	12	0	21.00	20.94	20.93								
3	64QAM	12	7	21.00	20.99	20.96	22.7	0						
3	64QAM	12	13	20.99	21.00	20.97								
3	64QAM	25	0	20.89	21.01	21.01	22.7	0						
3	64QAM	25	12	20.90	21.00	20.99								
3	64QAM	25	25	21.00	20.98	20.97	22.7	0						
3	64QAM	50	0	20.88	20.97	20.97								
3	256QAM	1	0	18.65	18.16	18.37	20	2.7						
3	256QAM	1	24	18.53	18.77	18.94								
3	256QAM	12	0	18.06	18.06	18.06	20	2.7						
3	256QAM	12	0	18.97	18.96	18.81								
3	256QAM	12	7	18.95	18.95	18.82	20	2.7						
3	256QAM	12	13	18.90	18.86	18.75								
3	256QAM	25	0	19.12	19.05	19.12	20	2.7						
3	256QAM	25	0	19.12	19.05	19.12								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	21.42	21.42	21.42	22.7	0						
1.4	QPSK	1	3	21.01	21.20	21.21								
1.4	QPSK	1	6	21.20	21.25	21.25	22.7	0						
1.4	QPSK	1	9	21.00	21.16	21.09								
1.4	QPSK	3	0	21.06	21.16	21.06	22.7	0						
1.4	QPSK	3	3	21.15	21.15	21.15								
1.4	16QAM	1	0	21.15	21.15	21.21	22.7	0						
1.4	16QAM	1	3	21.11	21.09	21.27								
1.4	16QAM	1	6	21.20	21.20	21.23								

Band 66 Ant1_ Standalone DSI6													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq. 130272	Power Middle Ch / Freq. 130322	Power High Ch / Freq. 130372	Tune-up (ms)	MPR (dB)					
Channel				130272	130322	130372							
Frequency (MHz)				1717.5	1742	1772.5							
20	QPSK	1	0	21.37	21.37	21.35	22.9	0					
20	QPSK	1	49	21.10	21.33	21.28							
20	QPSK	1	99	21.23	21.38	21.26							
20	QPSK	50	0	21.31	21.35	21.25							
20	QPSK	50	24	21.08	21.18	21.08	22.9	0					
20	QPSK	50	50	21.17	21.25	21.09							
20	QPSK	100	0	21.21	21.31	21.29							
20	16QAM	1	0	21.20	21.35	21.28							
20	16QAM	1	49	21.19	21.25	21.26	22.9	0					
20	16QAM	1	99	21.24	21.27	21.31							
20	16QAM	50	0	21.10	21.21	21.13							
20	16QAM	50	24	21.08	21.09	21.07							
20	16QAM	50	50	21.05	21.17	21.14	22.9	0					
20	16QAM	100	0	21.02	21.03	21.10							
20	64QAM	1	0	20.97	21.21	21.06							
20	64QAM	1	49	21.09	21.21	21.16							
20	64QAM	1	99	21.20	21.28	21.17	22.9	0					
20	64QAM	50	0	21.05	21.04	21.03							
20	64QAM	50	24	21.02	20.94	20.95							
20	64QAM	50	50	21.08	21.05	21.03							
20	64QAM	100	0	21.02	21.03	21.10	20	2.0					
20	256QAM	1	49	19.00	18.80	18.90							
20	256QAM	1	99	18.73	18.64	18.92							
20	256QAM	50	24	18.67	18.62	18.90							
20	256QAM	50	50	18.88	18.63	18.92	20	2.0					
20	256QAM	100	0	18.78	18.62	18.90							
Channel				130692 <th>130322<th>130697</th><th colspan="4"></th></th>	130322 <th>130697</th> <th colspan="4"></th>	130697							
Frequency (MHz)				1717.5 <th>1742<th>1772.5</th><th colspan="4"></th></th>	1742 <th>1772.5</th> <th colspan="4"></th>	1772.5							
15	QPSK	1	0	21.25	21.28	21.21	22.9	0					
15	QPSK	1	37	21.03	21.30	21.17							
15	QPSK	1	74	21.18	21.23	21.21							
15	QPSK	36	0	21.19	21.28	21.17							
15	QPSK	36	24	20.97	21.08	20.98	22.9	0					
15	QPSK	36	39	21.11	21.08	20.93							
15	QPSK	75	0	21.14	21.05	21.22							
15	16QAM	1	1	21.11	21.25	21.18							
15	16QAM	1	37	21.11	21.17	21.15	22.9	0					
15	16QAM	1	74	21.09	21.27	21.22							
15	16QAM	36	0	21.02	21.07	21.08							
15	16QAM	36	24	20.93	20.99	20.94							
15	16QAM	36	39	21.06	21.07	21.02	22.9	0					
15	16QAM	75	0	21.17	21.08	21.08							
15	64QAM	1	0	21.07	21.13	20.92							
15	64QAM	1	37	20.94	21.17	21.06							
15	64QAM	1	74	21.07	21.15	21.07	22.9	0					
15	64QAM	36	0	20.83	20.97	20.97							
15	64QAM	36	24	20.95	20.96	20.97							
15	64QAM	36	39	20.95	20.95	20.97							
15	64QAM	75	0	20.92	20.91	20.98	20	2.0					
15	256QAM	1	37	18.72	18.70	18.74							
15	256QAM	1	37	18.59	18.60	18.84							
15	256QAM	1	74	18.62	18.42	18.73							
15	256QAM	36	20	18.54	18.59	18.78	20	2.0					
15	256QAM	36	39	18.65	18.62	18.83							
15	256QAM	75	0	18.57	18.63	18.71							
15	256QAM	75	0	18.57	18.63	18.71							
Channel				130692 <th>130322<th>130697</th><th colspan="4"></th></th>	130322 <th>130697</th> <th colspan="4"></th>	130697							
Frequency (MHz)				1715 <th>1745<th>1775</th><th colspan="4"></th></th>	1745 <th>1775</th> <th colspan="4"></th>	1775							
10	QPSK	1	0	21.22	21.24	21.15	22.9	0					
10	QPSK	1	25	20.96	21.21	21.16							
10	QPSK	1	49	21.13	21.28	21.20							
10	QPSK	1	74	21.25	21.27	21.18							
10	QPSK	25	12	21.00	21.11	20.98	22.9	0					
10	QPSK	25	25	21.09	21.10	20.92							
10	QPSK	50	0	21.10	21.22	21.16							
10	16QAM	1	0	21.08	21.19	21.21							
10	16QAM	1	25	21.08	21.18	21.14	22.9	0					
10	16QAM	1	50	21.14	21.18	21.17							
10	16QAM	25	0	21.01	21.12	20.99							
10	16QAM	25	12	21.02	20.95	20.93							
10	16QAM	50	0	21.00	21.10	21.02	22.9	0					
10	16QAM	50	0	20.95	21.04	21.03							
10	64QAM	1	0	20.91	21.07	20.92							
10	64QAM	1	25	21.00	21.13	21.08							
10	64QAM	1	49	21.07	21.18	21.07	22.9	0					
10	64QAM	25	0	20.91	20.96	20.97							
10	64QAM	25	12	20.93	21.00	20.98							
10	64QAM	25	25	21.01	20.90	20.99							
10	64QAM	50	0	20.98	20.97	20.99	20	2.0					
10	256QAM	1	0	18.84	18.65	18.72							
10	256QAM	1	25	18.74	18.70	18.86							
10	256QAM	1	49	18.63	18.44	18.75							
10	256QAM	25	0	18.63	18.62	18.74	20	2.0					
10	256QAM	25	12	18.62	18.63	18.75							
10	256QAM	25	25	18.72	18.77	18.81							
10	256QAM	50	0	18.76	18.69	18.84							
Channel				130697 <th>130322<th>130647</th><th colspan="4"></th></th>	130322 <th>130647</th> <th colspan="4"></th>	130647							
Frequency (MHz)				1712.5 <th>1742<th>1777.5</th><th colspan="4"></th></th>	1742 <th>1777.5</th> <th colspan="4"></th>	1777.5							
5	QPSK	1	0	21.23	21.23	21.15	22.9	0					
5	QPSK	1	12	20.98	21.21	21.16							
5	QPSK	1	24	21.17	21.22	21.27							
5	QPSK	12	0	21.21	21.25	21.17							
5	QPSK	12	7	21.00	21.08	21.01	22.9	0					
5	QPSK	12	13	21.11	21.13	20.99							
5	QPSK	25	0	21.08	21.24	21.17							
5	16QAM	1	0	21.08	21.24	21.20							
5	16QAM	1	12	21.14	21.19	21.16	22.9	0					
5	16QAM	1	24	21.16	21.13	21.22							
5	16QAM	12	0	21.00	21.07	21.01							
5	16QAM	12	7	20.99	21.00	20.98							
5	16QAM	12	13	20.98	21.07	21.07	22.9	0					
5	16QAM	25	0	20.90	21.11	21.06							
5	64QAM	1	0	20.96	21.15	20.98							
5	64QAM	1	12	20.95	21.08	21.04							
5	64QAM	1	24	21.08	21.19	21.03	22.9	0					
5	64QAM	12	0	20.81	20.96	20.98							
5	64QAM	12	7	20.96	20.95	20.99							
5	64QAM	12	13	20.99	20.93	20.95							
5	64QAM	25	0	20.93	20.93	21.02	20	2.0					
5	256QAM	1	0	18.78	18.67	18.79							
5	256QAM	1	12	18.59	18.47	18.80							
5	256QAM	1	24	18.52	18.44	18.76							
5	256QAM	12	0	18.63	18.70	18.68	20	2.0					
5	256QAM	12	7	18.52	18.51	18.77							
5	256QAM	12	13	18.72	18.71	18.86							
5	256QAM	25	0	18.74	18.74	18.81	20	2.0					
5	256QAM	25	0	18.74	18.74	18.81							
Channel				130697 <th>130322<th>130647</th><th colspan="4"></th></th>	130322 <th>130647</th> <th colspan="4"></th>	130647							
Frequency (MHz)				1715.7 <th>1745<th>1775.3</th><th colspan="4"></th></th>	1745 <th>1775.3</th> <th colspan="4"></th>	1775.3							
3	QPSK	1	0	21.32	21.34	21.19	22.9	0					
3	QPSK	1	14	21.04	21.29	21.14							
3	QPSK	1	14	21.13	21.21	21.24							
3	QPSK	8	0	21.19	21.29	21.21							
3	QPSK	8	0	21.12	21.22	20.98	22.9	0					
3	QPSK	8	7	21.08	21.15	21.20							
3	QPSK	16	0	21.07	21.17	21.15							
3	16QAM	1	0	21.11	21.22	21.19							
3	16QAM	1	8	21.14	21.11	21.17	22.9	0					
3	16QAM	1	14	21.13	21.20	21.23							
3	16QAM	8	4	20.99	20.98	20.93							
3	16QAM	8	7	20.95	21.03	21.02							
3	16QAM	8	0	21.09	20.99	20.99	22.9	0					
3	16QAM	8	7	21.07	20.99	20.99							
3	16QAM	8	0	20.85	20.99	20.99							
3	16QAM	8	7	20.95	20.97	20.96							
3	16QAM	8	4	20.97	20.99	20.99	22.9	0					
3	16QAM	16	0	20.93	20.91	20.95							
3	16QAM	8	0	18.75	18.60	18.81							
3	16QAM	8	7	18.63	18.50	18.73							
3	16QAM	1	14	18.62	18.47	18.75	20	2.0					
3	16QAM	1	14	18.62	18.47	18.75							
3	16QAM	8	4	18.67	18.74	18.81							
3	16QAM	8	7	18.67	18.77	18.81							
3	16QAM	8	0	18.60	18.60	18.75	20	2.0					
3	16QAM	8	7	18.60	18.60	18.75							
3	16QAM	8	0	18.25	18.11	18.07	20	2.0					
3	16QAM	8	7	18.25	18.11	18.07							



Band 2 Ant1_DS16 Simultaneous											
BW [MHz]	Modulation	RB Size	RB Offset	Power Ch./F.Freq.	Power Ch./F.Freq.	Power Ch./F.Freq.	Turn-up Time (sec)	MPR (dB)			
Channel											
Frequency (MHz)											
20	QPSK	1	0	19.53	19.70	19.71	21.2	0			
20	QPSK	1	99	19.67	19.68	19.69					
20	QPSK	3	0	19.63	19.73	19.64	21.2	0			
20	QPSK	3	24	19.67	19.70	19.64					
20	QPSK	50	0	19.56	19.68	19.67	21.2	0			
20	QPSK	50	50	19.40	19.58	19.60					
20	16QAM	1	0	19.63	19.67	19.70	21.2	0			
20	16QAM	1	99	19.58	19.70	19.69					
20	16QAM	50	50	19.55	19.68	19.72	21.2	0			
20	16QAM	50	24	19.51	19.64	19.61					
20	16QAM	50	50	19.57	19.70	19.67	21.2	0			
20	16QAM	50	0	19.58	19.74	19.60					
20	64QAM	1	0	19.52	19.66	19.65	21.2	0			
20	64QAM	1	99	19.51	19.74	19.75					
20	64QAM	1	99	19.72	19.68	19.70	21.2	0			
20	64QAM	50	24	19.59	19.72	19.71					
20	64QAM	50	50	19.52	19.68	19.61	21.2	0			
20	64QAM	100	0	19.58	19.69	19.56					
20	256QAM	1	0	19.75	19.81	19.85	20	1.2			
20	256QAM	1	99	19.67	19.61	19.70					
20	256QAM	50	0	19.70	19.86	19.86	20	1.2			
20	256QAM	50	24	19.61	19.77	19.56					
20	256QAM	50	50	19.73	19.78	19.76	20	1.2			
20	256QAM	100	0	19.63	19.68	19.68					
Channel											
Frequency (MHz)											
15	QPSK	1	0	19.39	19.67	19.63	21.2	0			
15	QPSK	1	99	19.58	19.68	19.69					
15	QPSK	1	74	19.69	19.60	19.63	21.2	0			
15	QPSK	36	0	19.58	19.60	19.50					
15	QPSK	36	36	19.52	19.60	19.50	21.2	0			
15	QPSK	36	39	19.41	19.53	19.60					
15	QPSK	75	0	19.27	19.59	19.55	21.2	0			
15	16QAM	1	0	19.55	19.61	19.58					
15	16QAM	1	37	19.44	19.68	19.56	21.2	0			
15	16QAM	1	74	19.47	19.68	19.57					
15	16QAM	36	0	19.48	19.59	19.69	21.2	0			
15	16QAM	36	20	19.44	19.55	19.47					
15	16QAM	75	0	19.46	19.62	19.59	21.2	0			
15	64QAM	1	0	19.43	19.58	19.58					
15	64QAM	1	37	19.44	19.68	19.56	21.2	0			
15	64QAM	1	74	19.47	19.68	19.56					
15	64QAM	36	0	19.52	19.68	19.49	21.2	0			
15	64QAM	36	39	19.45	19.57	19.47					
15	64QAM	75	0	19.48	19.61	19.47	20	1.2			
15	256QAM	1	37	19.46	19.65	19.77					
15	256QAM	1	74	19.48	19.65	19.78	20	1.2			
15	256QAM	36	20	19.58	19.58	19.68					
15	256QAM	36	39	19.77	19.78	19.71	20	1.2			
15	256QAM	75	0	19.74	19.80	19.68					
Channel											
Frequency (MHz)											
5	QPSK	1	0	19.61	19.60	19.51	21.2	0			
5	QPSK	1	49	19.65	19.63	19.60					
5	QPSK	25	13	19.56	19.67	19.55	21.2	0			
5	QPSK	25	25	19.52	19.58	19.56					
5	16QAM	1	0	19.36	19.53	19.63	21.2	0			
5	16QAM	1	25	19.48	19.68	19.51					
5	16QAM	25	0	19.42	19.67	19.68	21.2	0			
5	16QAM	25	12	19.44	19.53	19.55					
5	16QAM	50	0	19.44	19.58	19.54	21.2	0			
5	16QAM	50	0	19.48	19.58	19.56					
5	64QAM	1	0	19.45	19.60	19.52	21.2	0			
5	64QAM	1	49	19.65	19.59	19.49					
5	64QAM	25	0	19.52	19.59	19.44	21.2	0			
5	64QAM	25	25	19.47	19.53	19.45					
5	64QAM	50	0	19.50	19.59	19.43	20	1.2			
5	256QAM	1	25	19.58	19.52	19.36					
5	256QAM	1	26	19.48	19.55	19.36	20	1.2			
5	256QAM	1	49	19.44	19.52	19.44					
5	256QAM	25	12	19.28	19.51	19.27	20	1.2			
5	256QAM	25	25	19.37	19.47	19.44					
Channel											
Frequency (MHz)											
5	QPSK	1	0	19.51	19.67	19.61	21.2	0			
5	QPSK	1	12	19.61	19.60	19.51					
5	QPSK	1	24	19.62	19.60	19.58	21.2	0			
5	QPSK	1	36	19.65	19.63	19.60					
5	QPSK	12	7	19.58	19.59	19.58	21.2	0			
5	QPSK	12	13	19.48	19.59	19.62					
5	16QAM	1	0	19.37	19.61	19.56	21.2	0			
5	16QAM	1	12	19.52	19.67	19.54					
5	16QAM	1	24	19.49	19.51	19.51	21.2	0			
5	16QAM	12	0	19.47	19.67	19.61					
5	16QAM	12	7	19.40	19.60	19.53	21.2	0			
5	16QAM	12	13	19.44	19.63	19.56					
5	16QAM	25	0	19.44	19.62	19.54	21.2	0			
5	64QAM	1	0	19.43	19.54	19.59					
5	64QAM	1	24	19.44	19.64	19.59	21.2	0			
5	64QAM	12	7	19.53	19.65	19.51					
5	64QAM	12	13	19.53	19.68	19.59	21.2	0			
5	64QAM	25	0	19.47	19.55	19.41					
5	256QAM	1	0	19.55	19.60	19.41	20	1.2			
5	256QAM	1	12	19.60	19.51	19.45					
5	256QAM	1	24	19.42	19.58	19.42	20	1.2			
5	256QAM	12	7	19.36	19.59	19.48					
5	256QAM	12	13	19.31	19.59	19.41	20	1.2			
5	256QAM	25	0	19.42	19.58	19.30					
Channel											
Frequency (MHz)											
3	QPSK	1	0	19.46	19.72	19.64	21.2	0			
3	QPSK	1	8	19.52	19.63	19.46					
3	QPSK	1	14	19.64	19.67	19.60	21.2	0			
3	QPSK	8	0	19.67	19.63	19.57					
3	QPSK	8	4	19.52	19.58	19.57	21.2	0			
3	QPSK	8	7	19.45	19.52	19.58					
3	16QAM	1	0	19.31	19.62	19.54	21.2	0			
3	16QAM	1	0	19.50	19.67	19.65					
3	16QAM	1	8	19.49	19.61	19.50	21.2	0			
3	16QAM	1	14	19.48	19.58	19.58					
3	16QAM	8	0	19.48	19.63	19.68	21.2	0			
3	16QAM	8	4	19.40	19.58	19.48					
3	16QAM	15	0	19.47	19.70	19.61	21.2	0			
3	16QAM	15	0	19.48	19.60	19.52					
3	64QAM	1	0	19.44	19.60	19.63	21.2	0			
3	64QAM	1	14	19.65	19.59	19.52					
3	64QAM	8	0	19.51	19.67	19.63	21.2	0			
3	64QAM	8	7	19.48	19.57	19.47					
3	256QAM	1	0	19.45	19.71	19.69	20	1.2			
3	256QAM	1	8	19.49	19.47	19.45					
3	256QAM	8	0	19.40	19.57	19.45	20	1.2			
3	256QAM	8	4	19.31	19.51	19.30					
3	256QAM	8	7	19.32	19.47	19.42	20	1.2			
3	256QAM	15	0	19.42	19.48						
Channel											
Frequency (MHz)											
1.4	QPSK	1	0	19.39	19.65	19.59	21.2	0			
1.4	QPSK	1	99	19.62	19.67	19.68					
1.4	QPSK	1	5	19.67	19.61	19.54	21.2	0			
1.4	QPSK	3	0	19.54	19.62	19.57					
1.4	QPSK	3	3	19.63	19.67	19.62	21.2	0			
1.4	QPSK	3	3	19.43	19.53	19.50					
1.4	QPSK	6	0	19.34	19.67	19.65	21.2	0			
1.4	QPSK	6	0	19.50	19.65	19.60					
1.4	16QAM	1	0	19.49	19.67	19.64	21.2	0			
1.4	16QAM	1	6	19.48	19.59	19.65					
1.4	16QAM	1	14	19.61	19.61	19.60	21.2	0			
1.4	16QAM	1	14	19.44	19.49	19.48					
1.4	16QAM	3	0	19.43	19.67	19.64	21.2	0			
1.4	16QAM	3	3	19.42	19.67	19.62					
1.4	16QAM	3	3	19.44	19.54	19.52	21.2	0			
1.4	16QAM	3	14	19.44	19.60	19.63					
1.4	16QAM	6	0	19.41	19.74	19.63	21.2	0			
1.4	16QAM	6	0	19.51	19.74	19.63					
1.4	16QAM	6	14	19.61	19.61	19.60	20	1.2			
1.4	16QAM	6	14	19.49	19.63	19.45					
1.4	16QAM	6	14	19.62	19.74	19.63	20	1.2			
1.4	16QAM	6	14	19.43	19.48	19.47					
1.4	16QAM	6	14	19.49	19.63	19.45	20	1.2			
1.4	16QAM	6	14	19.39	19.57	19.34					
1.4	16QAM	6	14	19.45	19.45	19.45	20	1.2			
1.4	16QAM	6	14	19.48	19.61	19.46					
1.4	256QAM	3	3	19.48	19.61	19.46	20	1.2			
1.4	256QAM	3	3	19.45	19.61	19.45					
1.4	256QAM	3	3	19.48	19.61	19.46	20	1.2			
1.4	256QAM	3	3	19.45	19.61	19.45					

Band 12 Ant1_DSi6 Simultaneous														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq.	Power Mid Ch./F.Freq.	Power High Ch./F.Freq.	Turn-up limt (dBm)	MPR (dB)						
Channel														
Frequency (MHz)														
10	QPSK	1	0	24.22	24.41	24.29	25	0						
10	QPSK	1	25	24.33	24.38	24.33								
10	QPSK	1	49	24.29	24.31	24.27								
10	QPSK	25	12	24.38	24.32	24.35								
10	QPSK	25	25	24.37	24.21	24.32								
10	16QAM	1	0	24.21	24.23	24.27	25	0						
10	16QAM	1	25	24.33	24.28	24.32								
10	16QAM	1	49	24.32	24.32	24.30								
10	16QAM	25	0	23.89	23.85	23.85								
10	16QAM	25	12	23.70	23.87	23.73								
10	16QAM	25	25	23.89	23.74	23.73	25	0						
10	16QAM	50	0	23.88	23.81	23.85								
10	64QAM	1	0	24.22	24.17	24.25								
10	64QAM	1	25	24.27	24.21	24.26								
10	64QAM	1	49	24.29	24.25	24.28								
10	64QAM	25	0	23.77	23.80	23.83	25	0						
10	64QAM	25	12	23.89	23.86	23.87								
10	64QAM	25	25	23.90	23.82	23.91								
10	64QAM	50	0	23.87	23.81	23.83								
10	256QAM	1	0	20.56	20.65	20.64								
10	256QAM	1	25	20.70	20.73	20.65	21	4						
10	256QAM	1	49	20.55	20.71	20.60								
10	256QAM	25	0	20.80	20.69	20.69								
10	256QAM	25	12	20.80	20.69	20.69								
10	256QAM	25	25	20.71	20.53	20.57								
10	256QAM	50	0	20.59	20.60	20.49	21	4						
Channel														
Frequency (MHz)														
5	QPSK	1	0	24.09	24.22	24.10			25	0				
5	QPSK	1	12	24.11	24.16	24.09								
5	QPSK	1	24	24.24	24.24	24.24								
5	QPSK	12	0	24.12	24.34	24.24								
5	QPSK	12	7	24.23	24.27	24.28								
5	QPSK	12	13	24.25	24.11	24.12	25	0						
5	QPSK	25	0	24.10	24.28	24.28								
5	16QAM	1	0	24.05	24.07	24.13								
5	16QAM	1	12	24.15	24.22	24.28								
5	16QAM	1	24	24.27	24.12	24.16								
5	16QAM	12	0	23.80	23.39	23.43	25	0						
5	16QAM	12	7	23.84	23.50	23.54								
5	16QAM	12	13	23.64	23.69	23.54								
5	16QAM	25	0	23.43	23.39	23.43								
5	64QAM	1	0	23.87	24.00	24.15								
5	64QAM	1	12	24.00	23.85	23.85	25	0						
5	64QAM	1	24	24.17	24.02	24.03								
5	64QAM	12	0	23.82	23.54	23.73								
5	64QAM	12	7	23.79	23.79	23.65								
5	64QAM	12	13	23.62	23.67	23.65								
5	64QAM	25	0	23.70	23.59	23.62	21	4						
5	256QAM	1	0	20.60	20.62	20.62								
5	256QAM	1	12	20.71	20.60	20.57								
5	256QAM	1	24	20.55	20.71	20.55								
5	256QAM	12	0	20.80	20.61	20.61								
5	256QAM	12	7	20.68	20.51	20.54	21	4						
5	256QAM	12	13	20.68	20.52	20.54								
5	256QAM	25	0	20.60	20.68	20.57								
Channel														
Frequency (MHz)														
3	QPSK	1	0	24.12	24.21	24.17	25	0						
3	QPSK	1	8	24.11	24.20	24.07								
3	QPSK	1	14	24.05	24.20	24.08								
3	QPSK	8	0	24.01	24.27	24.08								
3	QPSK	8	8	24.33	24.00	24.24								
3	QPSK	8	7	24.23	24.01	24.26	25	0						
3	16QAM	1	0	24.10	24.23	24.18								
3	16QAM	1	0	24.04	24.04	24.20								
3	16QAM	1	8	24.10	24.04	24.11								
3	16QAM	1	14	24.15	24.23	24.05								
3	16QAM	8	0	23.44	23.43	23.59	25	0						
3	16QAM	8	4	23.61	23.43	23.43								
3	16QAM	8	7	23.51	23.62	23.47								
3	16QAM	15	0	23.81	23.39	23.36								
3	64QAM	1	0	23.99	24.00	24.30								
3	64QAM	1	8	24.02	24.02	24.17	25	0						
3	64QAM	1	14	24.23	23.94	24.15								
3	64QAM	8	0	23.74	23.73	23.78								
3	64QAM	8	4	23.63	23.61	23.64								
3	64QAM	8	7	23.70	23.70	23.70								
3	64QAM	15	0	23.75	23.70	23.65	21	4						
3	256QAM	1	0	20.50	20.73	20.57								
3	256QAM	1	8	20.67	20.79	20.70								
3	256QAM	1	14	20.47	20.55	20.53								
3	256QAM	8	0	20.46	20.65	20.52								
3	256QAM	8	4	20.60	20.70	20.65	21	4						
3	256QAM	8	7	20.61	20.63	20.66								
3	256QAM	15	0	20.52	20.70	20.52								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	24.12	24.20	24.14	25	0						
1.4	QPSK	1	3	24.26	24.36	24.34								
1.4	QPSK	1	5	24.21	24.26	24.27								
1.4	QPSK	3	0	24.31	24.33	24.36								
1.4	QPSK	3	1	24.32	24.30	24.37								
1.4	QPSK	3	3	24.27	24.29	24.36	25	0						
1.4	QPSK	6	0	24.30	24.27	24.37								
1.4	16QAM	1	0	24.31	24.32	24.40								
1.4	16QAM	1	3	24.31	24.34	24.36								
1.4	16QAM	1	5	24.22	24.31	24.34								
1.4	16QAM	3	0	24.08	24.17	24.17	25	0						
1.4	16QAM	3	1	24.05	24.10	24.18								
1.4	16QAM	3	3	24.05	24.14	24.26								
1.4	16QAM	6	0	23.73	23.69	23.79								
1.4	64QAM	1	0	24.20	24.33	24.26								
1.4	64QAM	1	3	24.26	24.38	24.28	25	0						
1.4	64QAM	1	5	24.11	24.24	24.27								
1.4	64QAM	3	0	24.24	24.11	24.31								
1.4	64QAM	3	3	24.19	24.26	24.29								
1.4	64QAM	3	6	24.13	24.21	24.26								
1.4	64QAM	6	0	23.82	23.70	23.86	25	0						
1.4	256QAM	1	0	20.45	20.65	20.47								
1.4	256QAM	1	3	20.60	20.71	20.72								
1.4	256QAM	1	5	20.69	20.64	20.50								
1.4	256QAM	3	0	20.64	20.71	20.20	21	4						
1.4	256QAM	3	1	20.75	20.61	20.69								
1.4	256QAM	3	3	20.65	20.65	20.65								
1.4	256QAM	6	0	20.64	20.77	20.59								



Band 25 Ant1_DS16 Simultaneous																
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Med Ch./Freq.	Power High Ch./Freq.	Time-up Int. (s)	MFR (dB)								
Channel																
Frequency (MHz)																
20	QPSK	1	0	20.06	19.12	20.08	21.2	0								
20	QPSK	1	49	19.94	19.94	19.94										
20	QPSK	1	99	19.92	19.93	19.95	21.2	0								
20	QPSK	50	0	19.97	19.93	20.01										
20	QPSK	50	24	19.83	19.87	19.84	21.2	0								
20	QPSK	50	50	19.84	19.88	19.79										
20	QPSK	100	0	19.87	19.83	19.89	21.2	0								
20	16QAM	50	0	20.04	19.84	19.84										
20	16QAM	1	49	20.07	20.03	19.98	21.2	0								
20	16QAM	1	99	20.03	20.06	20.02										
20	16QAM	50	0	20.05	20.09	20.10	21.2	0								
20	16QAM	50	24	19.83	20.00	20.01										
20	16QAM	50	50	19.89	19.98	19.90	21.2	0								
20	16QAM	100	0	19.87	19.95	19.97										
20	84QAM	1	0	19.86	20.04	19.89	21.2	0								
20	84QAM	1	49	19.88	20.09	20.02										
20	84QAM	1	99	20.11	20.10	20.00	21.2	0								
20	84QAM	50	0	19.86	19.82	19.81										
20	84QAM	50	24	19.80	19.88	19.79	21.2	0								
20	84QAM	50	50	19.84	20.00	19.96										
20	256QAM	100	0	20.04	19.84	19.84	20	1.2								
20	256QAM	1	49	19.13	19.18	19.21										
20	256QAM	1	99	19.77	19.08	19.30	20	1.2								
20	256QAM	50	24	19.05	19.09	19.05										
20	256QAM	50	50	19.13	19.07	19.01	20	1.2								
20	256QAM	100	0	20.03	19.83	19.83										
Channel																
Frequency (MHz)																
18	QPSK	1	0	18.63	19.74	19.88	21.2	0								
18	QPSK	1	37	19.81	19.84	19.85										
18	QPSK	1	74	19.47	19.48	19.53	21.2	0								
18	QPSK	36	0	19.58	19.68	19.64										
18	QPSK	36	18	19.40	19.50	19.42	21.2	0								
18	QPSK	36	36	19.52	19.53	19.36										
18	QPSK	75	0	19.57	19.69	19.59	21.2	0								
18	16QAM	1	0	19.61	19.69	19.59										
18	16QAM	1	37	19.63	19.62	19.69	21.2	0								
18	16QAM	1	74	19.65	19.65	19.68										
18	16QAM	36	0	19.61	19.65	19.65	21.2	0								
18	16QAM	36	20	19.43	19.59	19.49										
18	16QAM	36	36	19.54	19.54	19.38	21.2	0								
18	16QAM	75	0	19.44	19.51	19.55										
18	84QAM	1	0	19.48	19.61	19.51	21.2	0								
18	84QAM	1	37	19.48	19.70	19.62										
18	84QAM	1	74	19.72	19.67	19.63	21.2	0								
18	84QAM	36	0	19.50	19.43	19.40										
18	84QAM	36	18	19.45	19.44	19.42	21.2	0								
18	84QAM	36	36	19.53	19.54	19.54										
18	84QAM	75	0	19.64	19.53	19.57	20	1.2								
18	256QAM	1	49	18.76	18.85	18.88										
18	256QAM	1	37	19.05	18.85	18.79	20	1.2								
18	256QAM	1	74	18.71	18.78	18.67										
18	256QAM	36	0	19.00	19.00	19.00	20	1.2								
18	256QAM	36	20	19.00	19.12	18.88										
18	256QAM	36	36	18.89	18.89	18.79	20	1.2								
18	256QAM	75	0	19.04	18.94	18.95										
Channel																
Frequency (MHz)																
18	QPSK	1	0	18.60	19.74	19.88	21.2	0								
18	QPSK	1	25	19.64	19.52	19.44										
18	QPSK	1	49	19.56	19.55	19.54	21.2	0								
18	QPSK	12	0	19.53	19.53	19.53										
18	QPSK	25	12	19.40	19.45	19.44	21.2	0								
18	QPSK	25	25	19.53	19.44	19.42										
18	16QAM	1	0	19.61	19.69	19.59	21.2	0								
18	16QAM	1	0	19.66	19.70	19.53										
18	16QAM	1	26	19.68	19.67	19.60	21.2	0								
18	16QAM	12	0	19.68	19.70	19.66										
18	16QAM	12	7	19.41	19.62	19.64	21.2	0								
18	16QAM	12	13	19.47	19.65	19.65										
18	16QAM	25	0	19.49	19.50	19.48	21.2	0								
18	16QAM	25	12	19.45	19.47	19.38										
18	16QAM	25	25	19.59	19.63	19.59	21.2	0								
18	16QAM	50	0	19.64	19.56	19.50										
18	84QAM	1	0	18.74	18.97	18.84	20	1.2								
18	256QAM	1	25	18.96	18.89	18.72										
18	256QAM	1	49	18.64	18.66	18.69	20	1.2								
18	256QAM	25	0	19.00	19.00	19.04										
18	256QAM	25	12	19.01	19.04	19.04	20	1.2								
18	256QAM	25	25	18.87	18.86	18.86										
18	256QAM	50	0	18.91	18.91	18.95	20	1.2								
18	256QAM	50	0	19.05	19.05	19.05										
Channel																
Frequency (MHz)																
5	QPSK	1	0	18.23	19.00	19.15	21.2	0								
5	QPSK	1	12	19.62	19.53	19.48										
5	QPSK	1	24	19.47	19.51	19.54	21.2	0								
5	QPSK	12	0	19.54	19.54	19.57										
5	QPSK	12	7	19.38	19.50	19.40	21.2	0								
5	QPSK	12	13	19.56	19.48	19.36										
5	QPSK	25	0	19.45	19.45	19.45	21.2	0								
5	16QAM	1	0	19.67	19.70	19.59										
5	16QAM	1	12	19.65	19.65	19.61	21.2	0								
5	16QAM	1	24	19.48	19.62	19.57										
5	16QAM	12	0	19.68	19.70	19.66	21.2	0								
5	16QAM	12	7	19.41	19.62	19.64										
5	16QAM	12	13	19.47	19.65	19.65	21.2	0								
5	16QAM	25	0	19.49	19.50	19.48										
5	16QAM	25	12	19.45	19.47	19.38	21.2	0								
5	16QAM	25	25	19.59	19.63	19.59										
5	16QAM	50	0	19.64	19.56	19.50	20	1.2								
5	256QAM	1	49	18.96	18.89	18.72										
5	256QAM	1	49	18.64	18.66	18.69	20	1.2								
5	256QAM	25	0	19.00	19.00	19.04										
5	256QAM	25	12	19.01	19.04	19.04	20	1.2								
5	256QAM	25	25	18.87	18.86	18.86										
5	256QAM	50	0	18.91	18.91	18.95	20	1.2								
5	256QAM	50	0	19.05	19.05	19.05										
Channel																
Frequency (MHz)																
3	QPSK	1	0	18.66	19.71	19.86	21.2	0								
3	QPSK	1	12	19.62	19.53	19.48										
3	QPSK	1	14	19.53	19.53	19.52	21.2	0								
3	QPSK	1	49	19.52	19.70	19.64										
3	QPSK	1	47	19.46	19.51	19.52	21.2	0								
3	QPSK	7	7	19.57	19.52	19.52										
3	QPSK	15	0	19.45	19.61	19.58	21.2	0								
3	QPSK	15	7	19.49	19.72	19.66										
3	16QAM	1	8	19.70	19.59	19.56	21.2	0								
3	16QAM	1	14	19.60	19.68	19.68										
3	16QAM	1	17	19.75	19.70	19.73	21.2	0								
3	16QAM	8	4	19.47	19.59	19.52										
3	16QAM	8	7	19.48	19.59	19.52	21.2	0								
3	16QAM	8	14	19.54	19.65	19.62										
3	16QAM	1	0	19.42	19.60	19.50	21.2	0								
3	16QAM	1	8	19.47	19.71	19.62										
3	16QAM	1	14	19.69	19.67	19.68	21.2	0								
3	16QAM	8	0	19.46	19.44	19.38										
3	16QAM	8	4	19.43	19.44	19.31	21.2	0								
3	16QAM	8	7	19.53	19.63	19.62										
3	16QAM	15	0	19.66	19.51	19.51	21.2	0								
3	16QAM	15	0	19.69	19.69	19.68										
3	16QAM	1	0	18.53	19.77	19.80	20	1.2								
3	16QAM	1	14	18.66	18.68	18.63										
3	16QAM	1	14	18.66	18.68	18.71	20	1.2								
3	84QAM	8	7	18.62	18.60	18.58										
3	84QAM	8	0	18.58	18.16	18.70	20	1.2								
3	84QAM	8	7	18.62	18.60	18.58										
Channel																
Frequency (MHz)																
1.4	QPSK	1	0	18.60	19.74	19.88	21.2	0								
1.4	QPSK	1	3	19.69	19.54	19.54										
1.4	QPSK	1	5	19.54	19.52	19.51	21.2	0								
1.4	QPSK	1	10	19.67	19.67	19.67										
1.4	QPSK	3	0	19.38	19.51	19.45	21.2	0								
1.4	QPSK	3	3	19.58	19.47	19.44										
1.4	QPSK	3	6	19.63	19.58	19.58	21.2	0								
1.4	QPSK	1	0	19.59	19.57	19.55										
1.4	16QAM	1	0	19.64	19.60	19.58	21.2	0								
1.4	16QAM	1	3	19.64	19.64	19.63										
1.4	16QAM	3	0	19.61	19.68	19.72	21.2	0								
1.4	16QAM	3	1	19.39	19.68	19.61										
1.4	16QAM	6	0	19.62	19.62	19.62	21.2	0								
1.4	16QAM	6	0	19.45	19.50	19.60										
1.4	16QAM	1	0	19.48	19.67	19.48	21.2	0								
1.4	16QAM	1	3	19.68	19.71	19.68										
1.4	16QAM	1	6	19.74	19.70	19.70	21.2	0								
1.4	16QAM	3	0	19.42	19.37	19.42										
1.4	16QAM	3	3	19.52	19.52	19.52	21.2	0								
1.4	16QAM	3	3	19.50	19.59	19.51										
1.4	16QAM	6	0	19.66	19.51											

Band 66 Ant1_DSi6 Simultaneous														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq. 150072	Power Middle Ch / Freq. 150522	Power High Ch / Freq. 150972	Time-up (dBm)	MPR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	19.82	19.82	19.79	21.4	0						
20	QPSK	1	49	19.76	19.79	19.88								
20	QPSK	1	99	19.89	19.84	19.84								
20	QPSK	50	0	19.71	19.83	19.83								
20	QPSK	50	24	19.71	19.83	19.73	21.4	0						
20	QPSK	50	50	19.84	19.84	19.75								
20	QPSK	100	0	19.74	19.77	19.73								
20	16QAM	1	0	19.73	19.80	19.83								
20	16QAM	1	99	19.69	19.74	19.82	21.4	0						
20	16QAM	50	0	19.65	19.70	19.81								
20	16QAM	50	24	19.83	19.74	19.72								
20	16QAM	50	50	19.72	19.86	19.71								
20	16QAM	100	0	19.65	19.81	19.82	20	1.4						
20	64QAM	1	0	19.83	19.80	19.75								
20	64QAM	1	49	19.85	19.88	19.85								
20	64QAM	1	99	19.83	19.77	19.87								
20	64QAM	50	0	19.87	19.77	19.82	20	1.4						
20	64QAM	50	24	19.71	19.86	19.76								
20	64QAM	50	50	19.66	19.71	19.88								
20	64QAM	100	0	19.69	19.74	19.80								
20	256QAM	1	49	19.82	19.81	19.82								
20	256QAM	1	99	19.00	19.80	19.90								
20	256QAM	1	99	19.73	19.84	19.92								
20	256QAM	50	24	19.87	19.82	19.77	20	1.4						
20	256QAM	50	50	19.87	19.81	19.80								
20	256QAM	50	50	19.88	19.83	19.82								
20	256QAM	100	0	19.78	19.82	19.80								
Channel														
Frequency (MHz)														
15	QPSK	1	0	19.87	19.75	19.87	21.4	0						
15	QPSK	1	37	19.85	19.84	19.82								
15	QPSK	1	74	19.84	19.73	19.73								
15	QPSK	36	0	19.58	19.77	19.81								
15	QPSK	36	20	19.65	19.80	19.82	21.4	0						
15	QPSK	36	39	19.53	19.72	19.66								
15	QPSK	75	0	19.69	19.71	19.62								
15	16QAM	1	0	19.84	19.82	19.89								
15	16QAM	1	37	19.55	19.73	19.55	21.4	0						
15	16QAM	1	74	19.49	19.67	19.72								
15	16QAM	36	0	19.69	19.68	19.76								
15	16QAM	36	20	19.58	19.61	19.65								
15	16QAM	50	20	19.57	19.73	19.60	21.4	0						
15	64QAM	1	0	19.87	19.89	19.87								
15	64QAM	1	37	19.86	19.77	19.76								
15	64QAM	1	74	19.74	19.82	19.80								
15	64QAM	36	0	19.55	19.69	19.59	21.4	0						
15	64QAM	36	20	19.58	19.70	19.76								
15	64QAM	36	39	19.57	19.55	19.51								
15	64QAM	75	0	19.84	19.89	19.48								
15	256QAM	1	0	19.72	19.70	19.76	20	1.4						
15	256QAM	1	37	19.59	19.60	19.84								
15	256QAM	1	74	19.62	19.42	19.73								
15	256QAM	36	4	19.72	19.47	19.76								
15	256QAM	36	20	19.54	19.59	19.79	20	1.4						
15	256QAM	36	39	19.65	19.62	19.83								
15	256QAM	75	0	19.87	19.83	19.71								
15	256QAM	100	0	19.76	19.69	19.84								
Channel														
Frequency (MHz)														
10	QPSK	1	0	19.75	19.78	19.76	21.4	0						
10	QPSK	1	25	19.62	19.68	19.55								
10	QPSK	1	49	19.77	19.75	19.70								
10	QPSK	25	0	19.63	19.80	19.82								
10	QPSK	25	12	19.56	19.71	19.60	21.4	0						
10	QPSK	25	25	19.63	19.71	19.70								
10	QPSK	50	0	19.81	19.71	19.67								
10	16QAM	1	0	19.59	19.70	19.79								
10	16QAM	1	25	19.67	19.76	19.56	21.4	0						
10	16QAM	1	49	19.54	19.66	19.76								
10	16QAM	25	0	19.58	19.69	19.72								
10	16QAM	25	12	19.67	19.61	19.64								
10	16QAM	50	25	19.53	19.60	19.54	21.4	0						
10	16QAM	50	0	19.54	19.63	19.47								
10	256QAM	1	0	19.84	19.65	19.72								
10	256QAM	1	25	19.74	19.70	19.86								
10	256QAM	1	49	19.63	19.44	19.75	20	1.4						
10	256QAM	25	0	19.63	19.62	19.74								
10	256QAM	25	12	19.62	19.60	19.75								
10	256QAM	25	25	19.72	19.77	19.81								
10	256QAM	50	0	19.76	19.69	19.84	20	1.4						
10	256QAM	50	25	19.54	19.44	19.81								
Channel														
Frequency (MHz)														
5	QPSK	1	0	19.74	19.70	19.72	21.4	0						
5	QPSK	1	12	19.71	19.65	19.80								
5	QPSK	1	24	19.79	19.72	19.71								
5	QPSK	12	0	19.56	19.71	19.63								
5	QPSK	12	7	19.60	19.78	19.69	21.4	0						
5	QPSK	12	13	19.61	19.78	19.62								
5	QPSK	25	0	19.63	19.67	19.64								
5	16QAM	1	0	19.60	19.69	19.76								
5	16QAM	1	12	19.54	19.69	19.54	21.4	0						
5	16QAM	1	24	19.43	19.67	19.68								
5	16QAM	12	0	19.54	19.67	19.87								
5	16QAM	12	7	19.67	19.64	19.63								
5	16QAM	12	13	19.69	19.75	19.63	21.4	0						
5	16QAM	25	0	19.55	19.70	19.84								
5	64QAM	1	0	19.56	19.70	19.65								
5	64QAM	1	12	19.69	19.70	19.79								
5	64QAM	1	24	19.77	19.67	19.57	21.4	0						
5	64QAM	12	0	19.58	19.66	19.55								
5	64QAM	12	7	19.65	19.81	19.70								
5	64QAM	12	13	19.52	19.57	19.63								
5	64QAM	25	0	19.62	19.64	19.50	20	1.4						
5	256QAM	1	0	19.79	19.67	19.79								
5	256QAM	1	12	19.59	19.47	19.80								
5	256QAM	1	24	19.52	19.44	19.76								
5	256QAM	12	0	19.63	19.79	19.68	20	1.4						
5	256QAM	12	7	19.52	19.51	19.77								
5	256QAM	12	13	19.72	19.71	19.86								



Band 38 Ant1_Standalone DSI6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MFR (dB)
Channel									
Frequency (MHz)				37950	38050	38150			
20	QPSK	1	0	22.52	22.55	22.45		23.6	0
20	QPSK	1	49	22.53	22.55	22.51			
20	QPSK	1	89	22.43	22.47	22.47			
20	QPSK	50	0	22.49	22.55	22.47			
20	QPSK	50	24	22.50	22.52	22.51		23.6	0
20	QPSK	50	50	22.52	22.55	22.45			
20	QPSK	100	0	22.48	22.52	22.46			
20	HQAM	1	0	22.55	22.46	22.46		23.6	0
20	HQAM	1	49	22.52	22.55	22.45			
20	HQAM	1	99	22.35	22.46	22.47			
20	HQAM	50	24	22.58	22.46	22.45			
20	HQAM	50	50	22.56	22.59	22.59		23	0.6
20	HQAM	100	0	22.45	22.55	22.55			
20	BAGM	1	0	22.43	22.47	22.45			
20	BAGM	1	49	22.58	22.56	22.57		23.6	0
20	BAGM	1	99	22.35	22.53	22.45			
20	BAGM	50	0	21.59	21.59	21.59			
20	BAGM	50	24	22.09	22.05	22.11			
20	BAGM	50	50	22.04	22.11	22.16		23	0.6
20	BAGM	100	0	21.59	22.09	22.06			
20	255QAM	1	0	18.89	18.95	18.83			
20	255QAM	1	49	18.84	18.92	18.92		20	3.6
20	255QAM	1	99	18.80	18.86	18.82			
20	255QAM	50	0	22.44	22.49	22.49			
20	255QAM	50	24	18.86	18.78	18.82		20	3.6
20	255QAM	50	50	18.79	18.83	18.77			
20	255QAM	100	0	18.86	18.89	18.86			
Channel									
Frequency (MHz)				37975	38050	38175	Tune-up limit (dBm)	MFR (dB)	
15	QPSK	1	0	22.43	22.51	22.51			
15	QPSK	1	37	22.44	22.49	22.43		23.6	0
15	QPSK	1	74	22.37	22.34	22.34			
15	QPSK	36	0	22.46	22.50	22.50			
15	QPSK	36	20	22.35	22.45	22.35		23.6	0
15	QPSK	75	0	22.34	22.41	22.38			
15	HQAM	1	0	22.41	22.39	22.39		23.6	0
15	HQAM	1	37	22.42	22.43	22.36			
15	HQAM	1	74	22.29	22.40	22.35			
15	HQAM	36	0	22.45	22.44	22.31			
15	HQAM	36	20	22.36	22.43	22.36		23	0.6
15	HQAM	75	0	22.34	22.24	22.41			
15	BAGM	1	0	22.27	22.40	22.37			
15	BAGM	1	37	22.34	22.27	22.42		23.6	0
15	BAGM	1	74	22.26	22.31	22.53			
15	BAGM	36	0	22.35	22.36	22.51			
15	BAGM	36	20	22.38	22.37	22.38		23	0.6
15	BAGM	75	0	22.27	22.43	22.39			
15	255QAM	1	0	18.77	18.81	18.77			
15	255QAM	1	37	22.41	22.39	22.39		20	3.6
15	255QAM	1	74	18.84	18.83	18.86			
15	255QAM	36	0	18.49	18.85	18.57			
15	255QAM	36	20	18.55	18.81	18.67		20	3.6
15	255QAM	36	75	18.69	18.83	18.73			
15	255QAM	75	0	18.78	18.59	18.46			
Channel									
Frequency (MHz)				25175	25255	25315	Tune-up limit (dBm)	MFR (dB)	
10	QPSK	1	0	22.43	22.51	22.51		23.6	0
10	QPSK	1	25	22.43	22.45	22.45			
10	QPSK	1	49	22.33	22.37	22.36			
10	QPSK	1	73	22.46	22.45	22.35			
10	QPSK	25	12	22.41	22.41	22.42		23.6	0
10	QPSK	25	25	22.37	22.37	22.42			
10	HQAM	1	0	22.47	22.37	22.36		23.6	0
10	HQAM	1	25	22.36	22.45	22.38			
10	HQAM	1	49	22.27	22.38	22.35			
10	HQAM	25	0	21.94	21.83	21.79		23	0.6
10	HQAM	25	12	21.87	21.81	21.88			
10	HQAM	25	25	21.91	22.03	21.95			
10	HQAM	50	0	21.80	21.81	21.89			
10	BAGM	1	0	22.50	22.52	22.52		23.6	0
10	BAGM	1	49	22.55	22.36	22.53			
10	BAGM	25	0	21.91	21.77	21.65			
10	BAGM	25	12	21.95	21.88	21.85		23	0.6
10	BAGM	25	25	21.77	21.85	22.07			
10	BAGM	50	0	21.86	21.82	22.00			
10	255QAM	1	0	18.82	18.86	18.86			
10	255QAM	1	25	18.83	18.76	18.82		20	3.6
10	255QAM	1	49	18.83	18.85	18.85			
10	255QAM	25	0	18.81	18.72	18.83			
10	255QAM	25	12	18.77	18.77	18.71		20	3.6
10	255QAM	25	25	18.77	18.54	18.55			
10	255QAM	50	0	18.74	18.62	18.62			
Channel									
Frequency (MHz)				25175.5	25255.5	25315.5	Tune-up limit (dBm)	MFR (dB)	
5	QPSK	1	0	22.41	22.50	22.42		23.6	0
5	QPSK	1	12	22.45	22.44	22.35			
5	QPSK	1	24	22.35	22.37	22.35			
5	QPSK	12	0	22.37	22.47	22.39			
5	QPSK	12	7	22.41	22.39	22.41		23.6	0
5	QPSK	12	13	22.34	22.39	22.39			
5	HQAM	1	0	22.50	22.35	22.35			
5	HQAM	1	12	22.41	22.46	22.31		23.6	0
5	HQAM	1	24	22.36	22.35	22.35			
5	HQAM	12	0	22.41	22.37	22.46			
5	HQAM	12	7	21.90	21.89	21.87		23	0.6
5	HQAM	12	13	21.98	21.92	22.13			
5	HQAM	25	0	21.79	21.82	21.88			
5	HQAM	25	0	22.44	22.52	22.44		23.6	0
5	HQAM	25	12	22.41	22.37	22.46			
5	BAGM	1	0	22.54	22.46	22.51			
5	BAGM	1	12	21.94	21.85	21.83		23	0.6
5	BAGM	12	0	21.94	21.82	21.78			
5	BAGM	12	7	21.84	21.75	21.85			
5	BAGM	12	13	21.86	22.02	21.99			
5	BAGM	25	0	21.86	21.80	21.82			
5	255QAM	1	0	18.58	18.50	18.62			
5	255QAM	1	12	18.74	18.61	18.62		20	3.6
5	255QAM	1	24	18.57	18.70	18.78			
5	255QAM	12	0	18.60	18.80	18.62			
5	255QAM	12	7	18.71	18.70	18.66		20	3.6
5	255QAM	12	13	18.67	18.63	18.60			
5	255QAM	25	0	18.54	18.79	18.74			

Band 41 Ant1_Standalone DSI6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Tuneup limit (dBm)	MFR (dB)
Channel									
Frequency (MHz)				39750	40185	40620	41055	41490	
20	QPSK	1	0	22.38	22.43	22.53	22.35	22.30	
20	QPSK	1	49	22.51	22.52	22.50	22.48	22.51	23.6
20	QPSK	1	99	22.47	22.47	22.49	22.43	22.41	
20	QPSK	50	0	22.30	22.49	22.54	22.27	22.25	
20	QPSK	50	24	22.47	22.50	22.29	22.51	22.48	23.6
20	QPSK	50	50	22.41	22.30	22.45	22.39	22.40	
20	15QAM	1	0	22.50	22.51	22.49	22.48	22.48	23.6
20	15QAM	1	49	22.52	22.50	22.52	22.44	22.49	
20	15QAM	1	99	22.31	22.33	22.45	22.45	22.42	
20	15QAM	50	24	22.59	22.47	22.47	22.27	22.39	
20	15QAM	50	50	22.48	22.44	22.52	22.50	22.51	23
20	64QAM	1	0	22.35	22.36	22.49	22.40	22.40	
20	64QAM	1	49	22.41	22.41	22.47	22.50	22.50	23.6
20	64QAM	1	99	22.30	22.42	22.46	22.39	22.52	
20	64QAM	50	0	22.45	22.51	22.51	22.48	22.44	
20	64QAM	50	24	22.45	22.48	22.47	22.50	22.48	23
20	64QAM	50	50	22.43	22.48	22.50	22.51	22.50	
20	64QAM	100	0	22.45	22.45	22.44	22.37	22.43	
20	255QAM	1	0	18.32	18.25	18.48	18.14	18.39	
20	255QAM	1	49	18.38	18.37	18.39	18.38	18.43	20
20	255QAM	1	99	18.43	18.29	18.33	18.16	18.33	
20	255QAM	50	0	18.39	18.67	18.28	18.12	18.30	
20	255QAM	50	24	18.12	18.33	18.17	18.18	18.25	20
20	255QAM	50	50	18.23	18.21	18.15	18.08	18.05	
20	255QAM	100	0	18.08	18.11	18.08	18.03	18.03	
Channel									
Frequency (MHz)				39775.5	40173.5	40620.5	41055.5	41515.5	
15	QPSK	1	0	22.39	22.43	22.53	22.37	22.32	
15	QPSK	1	37	22.37	22.37	22.45	22.38	22.43	23.60
15	QPSK	1	7	22.32	22.42	22.39	22.39	22.34	
15	QPSK	50	0	22.30	22.49	22.54	22.27	22.25	
15	QPSK	50	24	22.35	22.48	22.19	22.42	22.37	23.6
15	QPSK	50	50	22.38	22.30	22.45	22.39	22.40	
15	QPSK	75	0	22.23	22.18	22.44	22.25	22.25	
15	15QAM	1	0	22.41	22.43	22.38	22.36	22.37	23.6
15	15QAM	1	37	22.43	22.43	22.39	22.34	22.44	
15	15QAM	1	74	22.17	22.21	22.34	22.31	22.31	
15	15QAM	50	24	22.47	22.40	22.40	22.23	22.22	
15	15QAM	50	24	22.34	22.37	22.43	22.38	22.38	23
15	15QAM	50	50	22.32	22.32	22.26	22.21	22.30	23
15	15QAM	75	0	22.21	22.21	22.29	22.21	22.29	
15	64QAM	1	0	22.27	22.25	22.43	22.30	22.35	
15	64QAM	1	37	22.34	22.27	22.42	22.39	22.41	23.6
15	64QAM	1	74	22.25	22.25	22.33	22.33	22.33	
15	64QAM	50	0	22.35	22.38	22.51	22.33	22.31	
15	64QAM	50	24	22.38	22.37	22.38	22.46	22.41	23
15	64QAM	50	50	22.30	22.30	22.39	22.39	22.39	
15	64QAM	75	0	22.29	22.30	22.34	22.26	22.35	
15	255QAM	1	0	18.31	18.24	18.47	18.13	18.38	
15	255QAM	1	37	18.31	18.34	18.25	18.37	18.40	20
15	255QAM	1	74	18.45	18.36	18.37	18.12	18.38	
15	255QAM	50	0	18.36	18.64	18.26	18.06	18.32	
15	255QAM	50	24	18.17	18.15	18.17	18.19	18.32	20
15	255QAM	50	50	18.25	18.05	18.19	18.09	18.10	
15	255QAM	100	0	18.02	18.11	18.09	18.04	18.04	
Channel									
Frequency (MHz)				39790	40160	40620	41060	41540	
10	QPSK	1	0	22.43	22.43	22.53	22.37	22.32	
10	QPSK	1	25	22.42	22.37	22.48	22.34	22.44	23.60
10	QPSK	1	50	22.42	22.46	22.46	22.39	22.39	
10	QPSK	25	0	22.15	22.41	22.49	22.24	22.15	
10	QPSK	25	12	22.37	22.47	22.19	22.39	22.49	23.6
10	QPSK	25	37	22.28	22.28	22.45	22.38	22.45	
10	QPSK	50	0	22.28	22.28	22.45	22.28	22.27	
10	15QAM	1	0	22.43	22.42	22.38	22.37	22.29	
10	15QAM	1	25	22.42	22.44	22.42	22.33	22.36	23.6
10	15QAM	1	49	22.18	22.19	22.35	22.37	22.30	
10	15QAM	25	0	22.50	22.42	22.38	22.27	22.29	
10	15QAM	25	12	22.38	22.41	22.27	22.31	22.43	
10	15QAM	25	37	22.43	22.37	22.23	22.22	22.41	
10	15QAM	50	24	22.45	22.38	22.42	22.33	22.37	
10	64QAM	1	0	22.29	22.32	22.43	22.30	22.41	
10	64QAM	1	25	22.33	22.34	22.42	22.45	22.41	23.6
10	64QAM	1	49	22.32	22.33	22.42	22.41	22.41	
10	64QAM	25	0	22.35	22.37	22.47	22.39	22.35	
10	64QAM	25	12	22.30	22.28	22.35	22.48	22.35	
10	64QAM	25	37	22.32	22.33	22.32	22.43	22.43	23
10	64QAM	50	0	22.31	22.32	22.34	22.28	22.28	
10	255QAM	1	0	18.31	18.24	18.47	18.13	18.38	
10	255QAM	1	25	18.35	18.32	18.20	18.37	18.39	20
10	255QAM	1	49	18.41	18.29	18.34	18.20	18.30	
10	255QAM	25	0	18.24	18.17	18.18	18.18	18.09	
10	255QAM	25	12	18.11	18.22	18.17	18.26	18.24	20
10	255QAM	25	37	18.21	18.06	18.13	18.09	18.14	
10	255QAM	50	0	18.01	18.08	18.07	18.03	18.03	
Channel									
Frequency (MHz)				39670 <th>40140</th> <th>40620<th>41060</th><th>41565</th><th></th></th>	40140	40620 <th>41060</th> <th>41565</th> <th></th>	41060	41565	
5	QPSK	1	0	22.28	22.44	22.63	22.29	22.15	
5	QPSK	1	12	22.38	22.43	22.44	22.37	22.38	23.60
5	QPSK	1	24	22.34	22.43	22.43	22.37	22.38	
5	QPSK	12	0	22.19	22.37	22.49	22.19	22.15	
5	QPSK	12	7	22.36	22.45	22.19	22.41	22.42	23.6
5	QPSK	12	19	22.28	22.27	22.42	22.31	22.43	
5	QPSK	25	0	22.22	22.22	22.42	22.28	22.29	
5	QPSK	25	12	22.38	22.46	22.28	22.41	22.41	
5	15QAM	1	0	22.42	22.41	22.37	22.36	22.28	23.6
5	15QAM	1	24	22.20	22.28	22.39	22.37	22.28	
5	15QAM	1	48	22.22	22.22	22.39	22.37	22.37	
5	15QAM	12	7	22.35	22.44	22.39	22.38	22.38	23
5	15QAM	12	19	22.25	22.21	22.22	22.23	22.45	
5	64QAM	1	0	22.27	22.27	22.39	22.43	22.35	
5	64QAM	1	12	22.28	22.27	22.35	22.42	22.35	23.6
5	64QAM	1	24	22.27	22.33	22.37	22.31	22.48	
5	64QAM	12	0	22.36	22.46	22.51	22.39	22.35	
5	64QAM	12	7	22.30	22.41	22.41	22.42	22.41	
5	64QAM	12	19	22.32	22.43	22.37	22.43	22.37	
5	64QAM	25	0	22.31	22.31	22.34	22.24	22.33	
5	255QAM	1	0	18.31	18.24	18.47	18.13	18.38	
5	255QAM	1	12	18.32	18.32	18.23	18.42	18.39	20
5	255QAM	1	24	18.40	18.29	18.36	18.17	18.30	
5	255QAM	12	0	18.17	18.17	18.27	18.09	18.09	
5	255QAM	12	7	18.12	18.10	18.18	18.27	18.33	20
5	255QAM	12	19	18.20	18.50	18.13	18.16	18.00	
5	255QAM	25	0	18.01	18.08	18.07	18.03	18.03	



Band 38 Ant1_DS16 Simultaneous										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38050	38150				
Frequency (MHz)				20.72	20.80	20.78				
20	QPSK	1	0	20.72	20.80	20.78	22.1	0		
20	QPSK	1	48	20.58	20.78	20.79				
20	QPSK	1	96	20.56	20.77	20.81				
20	QPSK	50	0	20.60	20.77	20.73				
20	QPSK	50	24	20.57	20.75	20.66	22.1	0		
20	QPSK	50	48	20.59	20.68	20.69				
20	QPSK	100	0	20.52	20.68	20.58				
20	16QAM	1	0	20.61	20.77	20.68				
20	16QAM	1	48	20.58	20.76	20.70	22.1	0		
20	16QAM	1	96	20.56	20.74	20.75				
20	16QAM	50	0	20.55	20.75	20.72				
20	16QAM	50	24	20.57	20.76	20.62				
20	16QAM	50	50	20.70	20.76	20.70	22.1	0		
20	16QAM	100	0	20.53	20.72	20.72				
20	16QAM	100	1	20.65	20.76	20.66				
20	BAGM	1	0	20.53	20.52	20.55				
20	BAGM	1	48	20.71	20.71	20.70	22.1	0		
20	BAGM	1	99	20.65	20.75	20.65				
20	BAGM	50	0	20.74	20.63	20.70				
20	BAGM	50	24	20.79	20.76	20.73				
20	BAGM	50	50	20.57	20.77	20.65	22.1	0		
20	BAGM	100	0	20.49	20.69	20.53				
20	BAGM	100	1	20.52	20.69	20.58				
20	BAGM	100	1	20.52	20.69	20.58				
20	256QAM	1	0	18.92	18.91	18.90	20	2.1		
20	256QAM	1	48	18.89	18.91	18.93				
20	256QAM	1	99	18.94	18.92	18.92				
20	256QAM	50	0	18.93	18.92	18.92				
20	256QAM	50	24	18.95	19.07	18.95	20	2.1		
20	256QAM	50	48	18.94	18.96	18.96				
20	256QAM	50	96	18.91	18.92	18.96				
20	256QAM	100	0	18.91	18.96	18.94				
Channel				12550	12550	18175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				20.52	20.50	20.73				
16	QPSK	1	0	20.52 <td>20.49<td>20.73</td><td rowspan="4">22.1</td><td rowspan="4">0</td><td colspan="2"></td></td>	20.49 <td>20.73</td> <td rowspan="4">22.1</td> <td rowspan="4">0</td> <td colspan="2"></td>	20.73	22.1	0		
16	QPSK	1	37	20.45 <td>20.68<td>20.69</td><td colspan="2"></td></td>	20.68 <td>20.69</td> <td colspan="2"></td>	20.69				
16	QPSK	1	74	20.46 <td>20.57<td>20.46</td><td colspan="2"></td></td>	20.57 <td>20.46</td> <td colspan="2"></td>	20.46				
16	QPSK	36	0	20.54 <td>20.67<td>20.62</td><td colspan="2"></td></td>	20.67 <td>20.62</td> <td colspan="2"></td>	20.62				
16	QPSK	36	20	20.44 <td>20.64<td>20.52</td><td rowspan="4">22.1</td><td rowspan="4">0</td><td colspan="2"></td></td>	20.64 <td>20.52</td> <td rowspan="4">22.1</td> <td rowspan="4">0</td> <td colspan="2"></td>	20.52	22.1	0		
16	QPSK	36	38	20.43 <td>20.69<td>20.54</td><td colspan="2"></td></td>	20.69 <td>20.54</td> <td colspan="2"></td>	20.54				
16	QPSK	75	0	20.40 <td>20.57</td> <td>20.50</td> <td colspan="2"></td>	20.57	20.50				
16	HQAM	1	0	20.55 <td>20.69<td>20.62</td><td colspan="2"></td></td>	20.69 <td>20.62</td> <td colspan="2"></td>	20.62				
16	HQAM	1	37	20.55 <td>20.69<td>20.62</td><td rowspan="4">22.1</td><td rowspan="4">0</td><td colspan="2"></td></td>	20.69 <td>20.62</td> <td rowspan="4">22.1</td> <td rowspan="4">0</td> <td colspan="2"></td>	20.62	22.1	0		
16	HQAM	1	74	20.55 <td>20.68<td>20.62</td><td colspan="2"></td></td>	20.68 <td>20.62</td> <td colspan="2"></td>	20.62				
16	HQAM	36	0	20.46 <td>20.61<td>20.60</td><td colspan="2"></td></td>	20.61 <td>20.60</td> <td colspan="2"></td>	20.60				
16	HQAM	36	20	20.46 <td>20.61<td>20.60</td><td colspan="2"></td></td>	20.61 <td>20.60</td> <td colspan="2"></td>	20.60				
16	HQAM	75	0	20.48 <td>20.65<td>20.61</td><td rowspan="4">22.1</td><td rowspan="4">0</td><td colspan="2"></td></td>	20.65 <td>20.61</td> <td rowspan="4">22.1</td> <td rowspan="4">0</td> <td colspan="2"></td>	20.61	22.1	0		
16	HQAM	75	0	20.48 <td>20.65<td>20.61</td><td colspan="2"></td></td>	20.65 <td>20.61</td> <td colspan="2"></td>	20.61				
16	HQAM	75	0	20.48 <td>20.65<td>20.61</td><td colspan="2"></td></td>	20.65 <td>20.61</td> <td colspan="2"></td>	20.61				
16	HQAM	75	0	20.48 <td>20.65<td>20.61</td><td colspan="2"></td></td>	20.65 <td>20.61</td> <td colspan="2"></td>	20.61				
16	256QAM	1	0	18.94	18.93	18.91	20	2.1		
16	256QAM	1	37	18.96	19.02	18.91				
16	256QAM	1	74	18.94	18.92	18.91				
16	256QAM	50	0	18.93	18.92	18.92				
16	256QAM	50	24	18.95	18.96	18.96	20	2.1		
16	256QAM	50	38	18.91	18.92	18.96				
16	256QAM	50	75	18.93	18.96	18.94				
16	256QAM	100	0	18.91	18.96	18.94				
Channel				37850	38050	38150	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				20.72	20.80	20.78				
5	QPSK	1	0	20.72	20.80	20.78	22.1	0		
5	QPSK	1	24	20.42	20.59	20.60				
5	QPSK	12	0	20.47	20.71	20.60				
5	QPSK	12	7	20.51	20.69	20.50				
5	QPSK	25	0	20.49	20.55	20.62	22.1	0		
5	QPSK	25	12	20.44	20.63	20.57				
5	QPSK	25	24	20.43	20.62	20.52				
5	QPSK	50	0	20.45	20.54	20.60				
5	16QAM	1	0	20.48	20.66	20.63	22.1	0		
5	16QAM	1	12	20.43	20.62	20.61				
5	16QAM	12	0	20.43	20.70	20.66				
5	16QAM	12	7	20.52	20.58	20.59				
5	16QAM	12	13	20.56	20.66	20.62	22.1	0		
5	16QAM	25	0	20.44	20.67	20.57				
5	16QAM	25	0	20.44	20.67	20.57				
5	16QAM	25	0	20.44	20.67	20.57				
5	BAGM	12	7	20.71	20.69	20.62	22.1	0		
5	BAGM	12	13	20.48	20.63	20.52				
5	BAGM	50	0	20.56	20.55	20.57				
5	BAGM	50	0	20.56	20.55	20.57				
5	BAGM	50	0	20.56	20.55	20.57	20	2.1		
5	BAGM	50	0	20.56	20.55	20.57				
5	BAGM	50	0	20.56	20.55	20.57				
5	BAGM	50	0	20.56	20.55	20.57				

Band 41 Ant1_DS16 Simultaneous													
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41058	41500	41940				
Frequency (MHz)				20.72	20.78	21.13	20.80	20.87	21.07				
15	QPSK	1	0	20.72	20.78	21.13	20.80	20.87	21.07	22.1	0		
15	QPSK	1	48	21.09	20.92	21.10	21.00	21.07	21.07				
15	QPSK	1	96	21.07	20.84	21.08	20.98	21.06	21.06				
15	QPSK	50	24	21.03	21.03	21.09	21.04	21.04	21.04				
15	QPSK	50	24	21.03	20.92	21.07	20.99	20.94	21.04	22.1	0		
15	QPSK	50	48	21.00	20.80	21.07	20.98	21.04	21.04				
15	QPSK	100	0	20.79	20.83	21.04	20.97	21.04	21.04				
15	QPSK	100	1	21.12	20.88	21.05	20.97	21.04	21.04				
15	16QAM	1	0	21.07	20.84	21.10	21.00	21.07	21.07	22.1	0		
15	16QAM	1	48	21.04	21.01	21.10	21.02	21.10	21.02				
15	16QAM	50	24	21.03	20.88	21.09	21.01	21.02	21.02				
15	16QAM	50	24	21.02	20.86	21.09	21.01	21.02	21.01				
15	16QAM	100	0	21.08	20.88	21.03	21.01	21.07	21.03	22.1	0		
15	16QAM	100	1	21.04	20.84	21.09	21.00	21.07	21.00				
15	16QAM	1	48	20.99	21.00	21.07	21.08	21.04	21.04				
15	16QAM	1	96	21.02	21.02	21.07	21.07	21.01	21.01				
15	16QAM	50	24	21.00	21.00	21.04	21.05	21.05	21.05	22.1	0		
15	16QAM	50	24	21.05	21.06	21.12	21.09	21.05	21.05				
15	16QAM	100	0	20.98	20.98	21.09	21.04	21.03	21.03				
15	16QAM	100	1	20.98	20.75	20.99	20.97	20.94	20.94				
15	256QAM	1	0	18.84	18.52	18.88	18.81	18.96	19.00	20	2.1		
15	256QAM	1	48	19.04	18.50	18.97	18.95	19.00	18.95				
15	256QAM	1	96	18.84	18.46	18.63	18.40	18.45	18.45				
15	256QAM	50	24	18.50	18.46	18.62	18.57	18.55	18.55				
15	256QAM	50	24	18.52	18.43	18.49	18.43	18.48	18.48	20	2.1		
15	256QAM	100	0	18.62	18.46	18.48	18.41	18.47	18.47				
Channel				39720	40173	40620	41058	41515	41940				
Frequency (MHz)				20.72	20.74	21.13	20.79	20.87	21.07				
15	QPSK	1	0	20.72 <td>20.74<td>21.13<td>20.79<td>20.87<td>21.07</td><td rowspan="4">22.0</td><td rowspan="4">0</td></td></td></td></td>	20.74 <td>21.13<td>20.79<td>20.87<td>21.07</td><td rowspan="4">22.0</td><td rowspan="4">0</td></td></td></td>	21.13 <td>20.79<td>20.87<td>21.07</td><td rowspan="4">22.0</td><td rowspan="4">0</td></td></td>	20.79 <td>20.87<td>21.07</td><td rowspan="4">22.0</td><td rowspan="4">0</td></td>	20.87 <td>21.07</td> <td rowspan="4">22.0</td> <td rowspan="4">0</td>	21.07	22.0	0		
15	QPSK	1	37	20.96 <td>20.79</td> <td>20.99</td> <td>21.04</td> <td>20.97</td> <td>21.00</td>	20.79	20.99	21.04	20.97	21.00				
15	QPSK	1	74	21.00	20.79	20.91	20.93	20.97	21.00				
15	QPSK	36	20	20.87	20.84	20.95	20.88	20.92	20.92				
15	QPSK	36	20	20.89	20.68	20.98	20.95	20.98	20.98	22.1	0		
15	QPSK	75	0	20.68	20.69	20.93	20.93	20.83	20.81				
15	16QAM	1	0	21.03	20.73	20.95	20.99	21.04	21.07				
15	16QAM	1	37	20.81	20.72	21.00	20.97	21.01	21.01				
15	16QAM	1	74	20.91	20.87	21.04	20.99	21.05	21.05	22.1	0		
15	16QAM	36	0	20.90	20.77	21.01	20.96	21.03	21.03				
15	16QAM	36	20	20.87	20.77	21.00	20.95	21.00	21.00				
15	16QAM	36	20	20.87	20.94	20.98	20.99	20.98	20.98				
15	16QAM	75	0	20.69	20.77	21.01	20.97	21.00	21.00	22.1	0		
15	16QAM	75	0	20.81	20.71	21.02	20.90	20.92	20.92				
15	16QAM	1	37	20.83	20.95	20.96	20.99	21.02	21.02				
15	16QAM	1	74	20.93	20.86	21.00	20.95	21.02	21.02				
15	16QAM	36	0	20.77	20.99	20.85	20.91	20.93	20.93	22.1	0		
15	16QAM	36	20	20.90	20.90	21.06	21.03	21.01	21.01				
15	16QAM	36	20	20.92	20.82	21.00	20.98	21.00	21.00				
15	16QAM	75	0	20.89	20.70	20.92	20.77	20.74	20.74				
15	256QAM	1	0	18.50	18.47	18.46	18.41	18.38	18.38	20	2.1		
15	256QAM	1	37	18.50	18.47	18.46	18.40	18.38	18.38				
15	256QAM	1	74	18.49	18.33	18.49	18.31	18.31	18.31				
15	256QAM	50	24	18.52	18.42	18.52	18.45	18.45	18.45				
15	256QAM	36	20	18.48	18.42	18.52	18.45	18.45	18.41	20	2.1		
15	256QAM	36	20	18.44	18.33	18.41	18.35	18.35	18.35				
15	256QAM	100	0	18.47	18.38	18.47	18.38	18.41	18.41				
Channel				39700	40160	40620	41088	41540	41940				
Frequency (MHz)				20.72	20.74	21.13	20.80	20.87	21.07				
15	QPSK	1	25	21.01	20.78	21.13	21.01	20.99	21.09	22.0	0		
15	QPSK	1	74	20.99	20.77	21.03	21.01	20.99	21.01				
15	QPSK	25	0	20.65	20.65	21.02	20.73	20.78	20.78				
15	QPSK	25	12	20.94	20.77	20.97	20.88	20.81	20.81				
15	QPSK	25	12	20.88	20.65	21.02	20.77	20.82	20.82	22.1	0		
15	QPSK	50	0	20.67	20.73	20.97	20.68	20.81	20.81				
15	16QAM	1	0	21.03	20.78	21.05	21.00	21.04	21.04				
15	16QAM	1	48	20.99	20.77	21.00	20.98	21.02	21.02				
15	16QAM	1	48	20.88	20.88	21.08	20.89	20.99	20.99	22.1	0		
15	16QAM	1	96	20.86	20.81	21.09	21.02	21.02	21.02				
15	16QAM	25	12	20.94	20.81	21.03	20.87	20.97	20.97				
15	16QAM	25	12	20.95	20.65	20.97	21.04	21.04	21.04				
15	16QAM	50	0	20.61	20.80	20.97	20.74	20.74	20.74	22.1	0		
15	16QAM	50	0	20.62	20.80	20.97	20.74	20.74	20.74				
15	16QAM	1	48	20.77	20.73	20.77	20.97	20.94	20.94				
15	16QAM	1	25	20.62	20.90	20.99	20.96	20.98	20.98				
15	16QAM	25	0	20.67	20.80	20.99	20.96	20.93	20.93	22.1	0		
15	16QAM	25	0	20.78	21.04	20.86	20.96	20.94	20.94				
15	16QAM	25	12	20.94	20.96	20.99	20.96	20.97	20.97				
15	16QAM	25	12	20.93	20.78	20.99	20.96	20.94	20.94				
15	16QAM	50	0	20.68	20.70	20.85	20.76	20.76	20.76	20	2.1		
15	16QAM	50	0	20.69	20.50	20.86	20.60	20.60	20.60				
15	256QAM	1	25	18.52	18.45	18.45	18.40	18.36	18.36				
15	256QAM	1	48	18.53	18.39	18.57	18.35	18.39	18.39				
15	256QAM	25	12	18.53	18.37	18.45	18.35	18.37	18.37	20	2.1		
15	256QAM	25	12	18.49	18.42	18.57	18.51	18.40	18.40				
15	256QAM	25	20	18.44	18.28	18.40	18.35	18.38	18.38				
15	256QAM	50	0	18.51	18.33	18.53	18.35	18.35	18.35				
Channel				39675	40146	40620	41080	41565	41940				
Frequency (MHz)				20.72	20.74	21.13	20.79	20.87	21.07				
5	QPSK	1	0	20.72	20.74 <td>21.13</td> <td>20.79</td> <td>20.87</td> <td>21.07</td> <td rowspan="4">22.0</td> <td rowspan="4">0</td>	21.13	20.79	20.87	21.07	22.0	0		
5	QPSK	1	12	20.65	20.85	21.00	20.99	20.95	20.95				
5	QPSK	1	24	20.66	20.73	21.00	20.98	20.93	20.93				
5	QPSK	12	0	20.62	20.56	21.02	20.73	20.83	20.83				
5	QPSK	12	7	20.91	20.81	21.01	20.81	20.80	20.80	22.1	0		
5	QPSK	12	7	20.86	20.71	21.00	20.79	20.78	20.78				
5	QPSK	25	0	20.64	20.71	21.06	20.70	20.78	20.78				
5	QPSK	25	0	20.97	20.74	20.95	20.80	20.99	20.99				
5	16QAM	1	12	20.97	20.74	20.95	20.80	20.94	20.94	22.1	0		
5	16QAM	1	12	20.87	20.74	20.95	20.80	20.83	20.83				
5	16QAM	1	24	20.95	20.87	20.97	20.93	21.01	21.01				
5	16QAM	12	7	20.86	20.74	20.95	20.80	20.92	20.92				
5	16QAM	12	7	20.90	20.72	20.90	20.85	20.85	20.85	22.1	0		
5	16QAM	12	13	21.01	20.97	20.99	20.98	21.04	21.04				
5	16QAM	25	0	20.95	20.74	20.95	20.80	20.91	20.91				
5	16QAM	25	0	20.84	20.71	21.00	20.80	20.82	20.82				
5	16QAM	1	12	20.92	21.00	21.00	20.97	21.04	21.04	22.1	0		
5	16QAM	12	13	20.93	20.78	20.93	20.83	20.82	20.82				
5	16QAM	25	0	20.88	20.68	20.93	20.97	20.75	20.75				
5	16QAM	25	0	20.89	20.50	20.96	20.60	20.60	20.60				
5	256QAM	1	25	18.52	18.41	18.49	18.40	18.40	18.40	20	2.1		
5	256QAM	1	24	18.53	18.41	18.49	18.40	18.41	18.41				
5	256QAM	1	24	18.58	18.41	18.49	18.34	18.31	18.31				
5	256QAM	12	13	18.47	18.35	18.46	18.34	18.37	18.37				
5	256QAM	12	13	18.48	18.35	18.51	18.43	18.41	18.41	20	2.1		
5	256QAM	12	13	18.49	18.30	18.42	18.38	18.34	18.34				
5	256QAM	12	13	18.47	18.33	18.45	18.46	18.43	18.43				
5	256QAM	12	13	18.48	18.35	18.42	18.38	18.34	18.34				

Band 48 Ant2_Standalone DSI6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	22.30	22.46	22.50	22.33	23.5	0
20	QPSK	1	49	22.46	22.32	22.48	22.29		
20	QPSK	1	99	22.37	22.31	22.46	22.40		
20	QPSK	50	0	21.46	21.38	21.44	21.41		
20	QPSK	50	24	21.33	21.42	21.49	21.43	23	0.5
20	QPSK	50	50	21.57	21.41	21.58	21.45		
20	QPSK	100	0	21.28	21.44	21.46	21.38		
20	16QAM	1	0	21.32	21.44	21.44	21.23		
20	16QAM	1	49	21.52	21.50	21.53	21.48	23	0.5
20	16QAM	1	99	21.44	21.31	21.50	21.44		
20	16QAM	50	0	20.33	20.47	20.46	20.45		
20	16QAM	50	24	20.42	20.44	20.49	20.49		
20	16QAM	50	50	20.49	20.57	20.57	20.57	22	1.5
20	16QAM	100	0	20.48	20.39	20.47	20.40		
20	64QAM	1	0	20.34	20.33	20.48	20.48		
20	64QAM	1	49	20.23	20.29	20.42	20.38		
20	64QAM	1	99	20.42	20.34	20.41	20.34	22	1.5
20	64QAM	50	0	19.23	19.23	19.35	19.20		
20	64QAM	50	24	19.31	19.35	19.44	19.40		
20	64QAM	50	50	19.51	19.54	19.53	19.55		
20	64QAM	100	0	19.25	19.29	19.37	19.36	19	4.5
20	256QAM	1	0	17.33	17.24	17.39	17.28		
20	256QAM	1	49	17.46	17.53	17.51	17.37		
20	256QAM	1	99	17.31	17.38	17.41	17.28		
20	256QAM	50	0	17.36	17.35	17.45	17.27	19	4.5
20	256QAM	50	24	17.25	17.34	17.46	17.28		
20	256QAM	50	50	17.52	17.51	17.55	17.33		
20	256QAM	100	0	17.38	17.42	17.43	17.40		
Channel				55315	55820	56180	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	22.15	22.38	22.39	22.18	23.5	0
15	QPSK	1	37	22.32	22.33	22.32	22.21		
15	QPSK	1	74	22.28	22.19	22.27	22.33		
15	QPSK	36	0	21.25	21.23	21.43	21.36		
15	QPSK	36	20	21.19	21.31	21.40	21.27	23	0.5
15	QPSK	36	39	21.43	21.22	21.50	21.34		
15	QPSK	75	0	21.20	21.44	21.35	21.31		
15	16QAM	1	0	21.22	21.29	21.23	21.11		
15	16QAM	1	37	21.53	21.50	21.31	21.34	23	0.5
15	16QAM	1	74	21.23	21.26	21.38	21.31		
15	16QAM	36	0	20.15	20.38	20.30	20.25		
15	16QAM	36	20	20.40	20.23	20.31	20.27		
15	16QAM	36	39	20.35	20.49	20.56	20.47	22	1.5
15	16QAM	75	0	20.28	20.23	20.44	20.26		
15	64QAM	1	0	20.26	20.15	20.32	20.32		
15	64QAM	1	37	20.06	20.13	20.27	20.36		
15	64QAM	1	74	20.41	20.25	20.32	20.26	21	2.5
15	64QAM	36	0	19.03	19.11	19.25	19.09		
15	64QAM	36	20	19.17	19.16	19.43	19.37		
15	64QAM	36	39	19.30	19.39	19.44	19.50		
15	64QAM	75	0	19.25	19.29	19.33	19.36	19	4.5
15	256QAM	1	0	17.26	17.18	17.39	17.17		
15	256QAM	1	37	17.40	17.50	17.52	17.30		
15	256QAM	1	74	17.17	17.24	17.34	17.15		
15	256QAM	36	0	17.28	17.15	17.28	17.25	19	4.5
15	256QAM	36	20	17.08	17.17	17.36	17.16		
15	256QAM	36	39	17.51	17.30	17.43	17.34		
15	256QAM	75	0	17.33	17.29	17.28	17.21		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	22.10	22.28	22.30	22.11	23.5	0
10	QPSK	1	25	22.31	22.33	22.41	22.11		
10	QPSK	1	49	22.21	22.31	22.32	22.41		
10	QPSK	25	0	21.30	21.28	21.33	21.24		
10	QPSK	25	12	21.19	21.32	21.48	21.25	23	0.5
10	QPSK	25	25	21.53	21.36	21.39	21.35		
10	QPSK	50	0	21.21	21.35	21.42	21.30		
10	16QAM	1	0	21.28	21.31	21.34	21.15		
10	16QAM	1	25	21.40	21.49	21.50	21.29	23	0.5
10	16QAM	1	49	21.34	21.27	21.49	21.45		
10	16QAM	25	0	20.27	20.33	20.32	20.27		
10	16QAM	25	12	20.35	20.35	20.33	20.38		
10	16QAM	25	25	20.50	20.50	20.41	20.43	22	1.5
10	16QAM	50	0	20.40	20.36	20.40	20.26		
10	64QAM	1	0	20.13	20.34	20.50	20.45		
10	64QAM	1	25	20.19	20.08	20.28	20.18		
10	64QAM	1	49	20.28	20.34	20.31	20.25	21	2.5
10	64QAM	25	0	19.21	19.20	19.37	19.01		
10	64QAM	25	12	19.14	19.20	19.44	19.39		
10	64QAM	25	25	19.34	19.47	19.46	19.48		
10	64QAM	50	0	19.24	19.13	19.23	19.20	19	4.5
10	256QAM	1	0	17.18	17.21	17.19	17.25		
10	256QAM	1	25	17.47	17.52	17.51	17.15		
10	256QAM	1	49	17.10	17.17	17.39	17.27		
10	256QAM	25	0	17.25	17.34	17.32	17.11	19	4.5
10	256QAM	25	12	17.09	17.34	17.34	17.20		
10	256QAM	25	25	17.53	17.46	17.48	17.12		
10	256QAM	50	0	17.30	17.38	17.35	17.38		
Channel				55865	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	22.26	22.26	22.44	22.19	23.5	0
5	QPSK	1	12	22.27	22.19	22.35	22.24		
5	QPSK	1	24	22.34	22.12	22.39	22.29		
5	QPSK	12	0	21.35	21.37	21.35	21.26		
5	QPSK	12	7	21.27	21.43	21.39	21.26	23	0.5
5	QPSK	12	13	21.56	21.43	21.54	21.25		
5	QPSK	25	0	21.25	21.43	21.38	21.32		
5	16QAM	1	0	21.10	21.39	21.36	21.21		
5	16QAM	1	12	21.42	21.47	21.32	21.47	23	0.5
5	16QAM	1	24	21.38	21.12	21.50	21.24		
5	16QAM	12	0	20.35	20.43	20.29	20.41		
5	16QAM	12	7	20.29	20.23	20.37	20.28		
5	16QAM	12	13	20.29	20.56	20.46	20.36	22	1.5
5	16QAM	25	0	20.30	20.34	20.42	20.34		
5	64QAM	1	0	20.22	20.23	20.31	20.30		
5	64QAM	1	12	20.18	20.09	20.21	20.40		
5	64QAM	1	24	20.41	20.27	20.31	20.14	21	2.5
5	64QAM	12	0	19.01	19.16	19.15	19.08		
5	64QAM	12	7	19.24	19.14	19.30	19.20		
5	64QAM	12	13	19.46	19.51	19.44	19.49		
5	64QAM	25	0	19.12	19.20	19.24	19.29	19	4.5
5	256QAM	1	0	17.13	17.06	17.24	17.16		
5	256QAM	1	12	17.43	17.54	17.33	17.20		
5	256QAM	1	24	17.23	17.23	17.35	17.27		
5	256QAM	12	0	17.32	17.19	17.41	17.11	19	4.5
5	256QAM	12	7	17.14	17.34	17.46	17.17		
5	256QAM	12	13	17.32	17.45	17.42	17.28		
5	256QAM	25	0	17.17	17.43	17.39	17.41		

Band 48 Ant2_DSI6 Simultaneous

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	20.50	20.64	20.65	20.59	21.7	0
20	QPSK	1	49	20.55	20.56	20.47	20.43		
20	QPSK	1	99	20.46	20.35	20.57	20.44		
20	QPSK	50	0	20.43	20.31	20.62	20.45		
20	QPSK	50	24	20.27	20.34	20.60	20.28	21.7	0
20	QPSK	50	50	20.47	20.48	20.46	20.49		
20	QPSK	100	0	20.41	20.57	20.58	20.37		
20	16QAM	1	0	20.23	20.49	20.53	20.16		
20	16QAM	1	49	20.52	20.52	20.52	20.42	21.7	0
20	16QAM	1	99	20.31	20.45	20.41	20.42		
20	16QAM	50	0	20.33	20.29	20.29	20.54		
20	16QAM	50	24	20.55	20.37	20.51	20.45		
20	16QAM	50	50	20.48	20.42	20.35	20.46	21.7	0
20	16QAM	100	0	20.54	20.37	20.50	20.21		
20	64QAM	1	0	20.53	20.49	20.54	20.48		
20	64QAM	1	49	20.34	20.40	20.38	20.32		
20	64QAM	1	99	20.44	20.48	20.43	20.38	21.7	0
20	64QAM	50	0	19.38	19.46	19.60	19.45		
20	64QAM	50	24	19.39	19.38	19.42	19.34		
20	64QAM	50	50	19.49	19.47	19.50	19.36		
20	64QAM	100	0	19.26	19.33	19.25	19.27	19	2.7
20	256QAM	1	0	17.37	17.40	17.55	17.38		
20	256QAM	1	49	17.42	17.49	17.41	17.33		
20	256QAM	1	99	17.52	17.50	17.30	17.30		
20	256QAM	50	0	17.22	17.38	17.53	17.40	19	2.7
20	256QAM	50	24	17.21	17.21	17.39	17.25		
20	256QAM	50	50	17.43	17.47	17.45	17.47		
20	256QAM	100	0	17.51	17.38	17.36	17.39		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	20.39	20.58	20.59	20.52		
15	QPSK	1	37	20.49	20.47	20.33	20.28	21.7	0
15	QPSK	1	74	20.37	20.28	20.44	20.33		
15	QPSK	36	0	20.33	20.25	20.51	20.35		
15	QPSK	36	20	20.15	20.24	20.55	20.16		
15	QPSK	36	39	20.37	20.39	20.41	20.35	21.7	0
15	QPSK	75	0	20.30	20.46	20.49	20.22		
15	16QAM	1	0	20.17	20.42	20.39	20.06		
15	16QAM	1	37	20.45	20.45	20.44	20.31		
15	16QAM	1	74	20.23	20.40	20.34	20.36	21.7	0
15	16QAM	36	0	20.24	20.20	20.20	20.40		
15	16QAM	36	20	20.43	20.25	20.37	20.33		
15	16QAM	36	39	20.41	20.30	20.28	20.38		
15	16QAM	75	0	20.43	20.25	20.40	20.14	21.7	0
15	64QAM	1	0	20.44	20.38	20.41	20.38		
15	64QAM	1	37	20.25	20.30	20.31	20.22		
15	64QAM	1	74	20.33	20.39	20.35	20.32		
15	64QAM	36	0	19.24	19.32	19.54	19.39	21	0.7
15	64QAM	36	20	19.30	19.31	19.30	19.22		
15	64QAM	36	39	19.44	19.42	19.37	19.25		
15	64QAM	75	0	19.20	19.24	19.16	19.13		
15	256QAM	1	0	17.22	17.31	17.41	17.26	19	2.7
15	256QAM	1	37	17.33	17.36	17.27	17.21		
15	256QAM	1	74	17.47	17.44	17.20	17.19		
15	256QAM	36	0	17.15	17.26	17.46	17.34		
15	256QAM	36	20	17.07	17.11	17.24	17.16	19	2.7
15	256QAM	36	39	17.36	17.33	17.37	17.37		
15	256QAM	75	0	17.36	17.24	17.26	17.27		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	20.44	20.53	20.54	20.49		
10	QPSK	1	25	20.50	20.49	20.39	20.31	21.7	0
10	QPSK	1	49	20.39	20.24	20.44	20.32		
10	QPSK	25	0	20.37	20.24	20.50	20.36		
10	QPSK	25	12	20.18	20.24	20.50	20.13		
10	QPSK	25	25	20.38	20.34	20.39	20.37	21.7	0
10	QPSK	50	0	20.35	20.51	20.45	20.31		
10	16QAM	1	0	20.10	20.37	20.44	20.02		
10	16QAM	1	25	20.40	20.39	20.47	20.34		
10	16QAM	1	49	20.21	20.31	20.34	20.32	21.7	0
10	16QAM	25	0	20.26	20.16	20.19	20.39		
10	16QAM	25	12	20.43	20.27	20.37	20.35		
10	16QAM	25	25	20.40	20.29	20.23	20.40		
10	16QAM	50	0	20.43	20.31	20.43	20.09	21.7	0
10	64QAM	1	0	20.41	20.38	20.40	20.42		
10	64QAM	1	25	20.27	20.25	20.32	20.21		
10	64QAM	1	49	20.30	20.40	20.35	20.31		
10	64QAM	25	0	19.26	19.32	19.45	19.34	21	0.7
10	64QAM	25	12	19.26	19.29	19.35	19.27		
10	64QAM	25	25	19.43	19.32	19.43	19.30		
10	64QAM	50	0	19.12	19.24	19.12	19.12		
10	256QAM	1	0	17.26	17.27	17.44	17.28	19	2.7
10	256QAM	1	25	17.34	17.43	17.29	17.21		
10	256QAM	1	49	17.46	17.39	17.16	17.20		
10	256QAM	25	0	17.10	17.27	17.46	17.27		
10	256QAM	25	12	17.14	17.09	17.27	17.17	19	2.7
10	256QAM	25	25	17.32	17.33	17.39	17.39		
10	256QAM	50	0	17.38	17.24	17.22	17.24		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	20.38	20.49	20.53	20.44		
5	QPSK	1	12	20.40	20.51	20.33	20.31	21.7	0
5	QPSK	1	24	20.40	20.26	20.48	20.37		
5	QPSK	12	0	20.33	20.18	20.53	20.33		
5	QPSK	12	7	20.16	20.21	20.49	20.14		
5	QPSK	12	13	20.37	20.33	20.32	20.39	21.7	0
5	QPSK	25	0	20.29	20.48	20.49	20.29		
5	16QAM	1	0	20.15	20.41	20.47	20.10		
5	16QAM	1	12	20.39	20.42	20.37	20.30		
5	16QAM	1	24	20.18	20.30	20.31	20.30	21.7	0
5	16QAM	12	0	20.26	20.21	20.21	20.46		
5	16QAM	12	7	20.48	20.25	20.37	20.36		
5	16QAM	12	13	20.39	20.35	20.22	20.36		
5	16QAM	25	0	20.43	20.25	20.40	20.15	21.7	0
5	64QAM	1	0	20.47	20.34	20.41	20.40		
5	64QAM	1	12	20.24	20.28	20.30	20.21		
5	64QAM	1	24	20.38	20.39	20.35	20.27		
5	64QAM	12	0	19.26	19.35	19.46	19.31	21	0.7
5	64QAM	12	7	19.34	19.26	19.29	19.25		
5	64QAM	12	13	19.43	19.35	19.39	19.27		
5	64QAM	25	0	19.12	19.24	19.18	19.15		
5	256QAM	1	0	17.29	17.29	17.49	17.25	19	2.7
5	256QAM	1	12	17.30	17.40	17.33	17.19		
5	256QAM	1	24	17.42	17.37	17.20	17.21		
5	256QAM	12	0	17.10	17.27	17.47	17.34		
5	256QAM	12	7	17.07	17.13	17.24	17.18	19	2.7
5	256QAM	12	13	17.35	17.37	17.37	17.35		
5	256QAM	25	0	17.44	17.31	17.25	17.24		



Uplink CA Power

Ant 0 Full Power

CA_66C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	MPR Lev	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	99	1	0	2	0	23.07	24.00
132322	132520	QPSK	1	99	1	0	2	0	23.14	24.00
132572	132374	QPSK	1	0	1	99	2	0	23.17	24.00

Ant 0 Full Power

CA_5B										
Combination 10MHz+5MHz (50RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	MPR Lev	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20450	20522	QPSK	1	49	1	0	2	0	22.97	24.00
20525	20597	QPSK	1	49	1	0	2	0	23.02	24.00
20600	20528	QPSK	1	0	1	24	2	0	23.08	24.00

Ant 1 Full Power

CA_66C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	MPR Lev	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	99	1	0	2	0	22.98	24.00
132322	132520	QPSK	1	99	1	0	2	0	23.01	24.00
132572	132374	QPSK	1	0	1	99	2	0	22.97	24.00

Ant 1 Full Power

CA_5B										
Combination 10MHz+5MHz (50RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	MPR Lev	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20450	20522	QPSK	1	49	1	0	2	0	23.07	24.00
20525	20597	QPSK	1	49	1	0	2	0	23.02	24.00
20600	20528	QPSK	1	0	1	24	2	0	23.12	24.00

Ant 0 Full Power

CA_66B										
Combination 15MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	MPR Lev	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	0	1	24	2	0	23.01	24.00
132322	132415	QPSK	1	0	1	24	2	0	23.05	24.00
132597	132504	QPSK	1	74	1	24	2	0	23.09	24.00

Ant 0 Full Power

CA_41C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	MPR Lev	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39790	39988	QPSK	1	99	1	0	2	0	23.55	24.00
39750	39948	QPSK	1	99	1	0	2	0	23.45	24.00
40185	40383	QPSK	1	99	1	0	2	0	23.42	24.00
40620	40818	QPSK	1	99	1	0	2	0	23.69	24.00
41055	41253	QPSK	1	99	1	0	2	0	23.51	24.00
41490	41292	QPSK	1	0	1	99	2	0	23.72	24.00

Ant 1 Full Power

CA_66B										
Combination 15MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	MPR Lev	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	0	1	24	2	0	22.47	24.00
132322	132415	QPSK	1	0	1	24	2	0	22.53	24.00
132597	132504	QPSK	1	74	1	24	2	0	22.58	24.00

Ant 1 Full Power

CA_41C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	MPR Lev	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39790	39988	QPSK	1	99	1	0	2	0	23.27	24.00
39750	39948	QPSK	1	99	1	0	2	0	23.15	24.00
40185	40383	QPSK	1	99	1	0	2	0	23.2	24.00
40620	40818	QPSK	1	99	1	0	2	0	23.29	24.00
41055	41253	QPSK	1	99	1	0	2	0	23.15	24.00
41490	41292	QPSK	1	0	1	99	2	0	23.31	24.00



Ant 2 Full Power

CA_48C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	MPR Lev	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
55340	55538	QPSK	1	99	1	0	2	0	23.26	24.00
55830	56028	QPSK	1	99	1	0	2	0	23.25	24.00
56150	56348	QPSK	1	99	1	0	2	0	23.31	24.00
56640	56442	QPSK	1	0	1	99	2	0	23.29	24.00



DSI2

Ant 1 Standalone

CA_66C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		RB offset	RB Size	MPR Lev	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	99	1	0	2	0	16.36	17.70
132322	132520	QPSK	1	99	1	0	2	0	16.45	17.70
132572	132374	QPSK	1	0	1	99	2	0	16.59	17.70

Ant 1 Simultaneous

CA_66C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		RB offset	RB Size	MPR Lev	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	99	1	0	2	0	14.53	16.40
132322	132520	QPSK	1	99	1	0	2	0	14.58	16.40
132572	132374	QPSK	1	0	1	99	2	0	14.62	16.40

Ant 1 Standalone

CA_66B										
Combination 15MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		RB offset	RB Size	MPR Lev	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	0	1	24	2	0	15.95	17.70
132322	132415	QPSK	1	0	1	24	2	0	15.90	17.70
132597	132504	QPSK	1	74	1	24	2	0	15.98	17.70

Ant 1 Simultaneous

CA_66B										
Combination 15MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		RB offset	RB Size	MPR Lev	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	0	1	24	2	0	14.43	16.40
132322	132415	QPSK	1	0	1	24	2	0	14.45	16.40
132597	132504	QPSK	1	74	1	0	2	0	14.58	16.40

Ant 1 Standalone

CA_5B										
Combination 10MHz+5MHz (50RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		RB offset	RB Size	MPR Lev	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20450	20522	QPSK	1	49	1	0	2	0	23.07	24.00
20525	20597	QPSK	1	49	1	0	2	0	23.02	24.00
20600	20528	QPSK	1	0	1	24	2	0	23.12	24.00

Ant 1 Simultaneous

CA_5B										
Combination 10MHz+5MHz (50RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		RB offset	RB Size	MPR Lev	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20450	20522	QPSK	1	49	1	0	2	0	21.79	23.00
20525	20597	QPSK	1	49	1	0	2	0	21.87	23.00
20600	20528	QPSK	1	0	1	24	2	0	21.89	23.00

Ant 1 Standalone

CA_41C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		RB offset	RB Size	MPR Lev	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39790	39988	QPSK	1	99	1	0	2	0	18.66	20.10
39750	39948	QPSK	1	99	1	0	2	0	18.52	20.10
40185	40383	QPSK	1	99	1	0	2	0	18.46	20.10
40620	40818	QPSK	1	99	1	0	2	0	18.72	20.10
41055	41253	QPSK	1	99	1	0	2	0	18.56	20.10
41490	41292	QPSK	1	0	1	99	2	0	18.67	20.10

Ant 1 Simultaneous

CA_41C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		RB offset	RB Size	MPR Lev	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39790	39988	QPSK	1	99	1	0	2	0	17.45	18.70
39750	39948	QPSK	1	99	1	0	2	0	17.41	18.70
40185	40383	QPSK	1	99	1	0	2	0	17.4	18.70
40620	40818	QPSK	1	99	1	0	2	0	17.53	18.70
41055	41253	QPSK	1	99	1	0	2	0	17.43	18.70
41490	41292	QPSK	1	0	1	99	2	0	17.62	18.70



DS3

Ant 0 Standalone

CA_66C									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		α	RB S	MPR Le
			RB Size	RB offset	RB Size	RB offset			
132072	132270	QPSK	1	99	1	0	2	0	18.21
132322	132520	QPSK	1	99	1	0	2	0	18.18
132572	132374	QPSK	1	0	1	99	2	0	18.28

Ant 0 Simultaneous

CA_66C									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		α	RB S	MPR Le
			RB Size	RB offset	RB Size	RB offset			
132072	132270	QPSK	1	99	1	0	2	0	14.91
132322	132520	QPSK	1	99	1	0	2	0	14.90
132572	132374	QPSK	1	0	1	99	2	0	14.93

Ant 2 Standalone

CA_46C									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		α	RB S	MPR Le
			RB Size	RB offset	RB Size	RB offset			
55340	55538	QPSK	1	99	1	0	2	0	16.39
55830	56028	QPSK	1	99	1	0	2	0	16.30
56150	56348	QPSK	1	99	1	0	2	0	16.43
56640	56442	QPSK	1	0	1	99	2	0	16.58

Ant 1 Standalone

CA_66C									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		α	RB S	MPR Le
			RB Size	RB offset	RB Size	RB offset			
132072	132270	QPSK	1	99	1	0	2	0	18.57
132322	132520	QPSK	1	99	1	0	2	0	18.61
132572	132374	QPSK	1	0	1	99	2	0	18.68

Ant 1 Simultaneous

CA_66C									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		α	RB S	MPR Le
			RB Size	RB offset	RB Size	RB offset			
132072	132270	QPSK	1	99	1	0	2	0	15.76
132322	132520	QPSK	1	99	1	0	2	0	15.83
132572	132374	QPSK	1	0	1	99	2	0	15.91

Ant 0 Standalone

CA_5B									
Combination 10MHz+5MHz (50RB+25RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		α	RB S	MPR Le
			RB Size	RB offset	RB Size	RB offset			
20450	20522	QPSK	1	49	1	0	2	0	22.97
20525	20597	QPSK	1	49	1	0	2	0	23.02
20900	20528	QPSK	1	0	1	24	2	0	23.08

Ant 0 Standalone

CA_66B									
Combination 15MHz+5MHz (75RB+25RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		α	RB S	MPR Le
			RB Size	RB offset	RB Size	RB offset			
132047	132140	QPSK	1	0	1	24	2	0	18.25
132322	132415	QPSK	1	0	1	24	2	0	18.31
132597	132504	QPSK	1	74	1	0	2	0	18.19

Ant 0 Simultaneous

CA_66B									
Combination 15MHz+5MHz (75RB+25RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		α	RB S	MPR Le
			RB Size	RB offset	RB Size	RB offset			
132047	132140	QPSK	1	0	1	24	2	0	14.88
132322	132415	QPSK	1	0	1	24	2	0	14.81
132597	132504	QPSK	1	74	1	0	2	0	14.89

Ant 0 Standalone

CA_41C									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		α	RB S	MPR Le
			RB Size	RB offset	RB Size	RB offset			
39790	39968	QPSK	1	99	1	0	2	0	20.07
39790	39948	QPSK	1	99	1	0	2	0	20.53
40185	40383	QPSK	1	99	1	0	2	0	20.61
40620	40818	QPSK	1	99	1	0	2	0	20.82
41055	41263	QPSK	1	99	1	0	2	0	20.58
41490	41292	QPSK	1	0	1	99	2	0	20.78

Ant 1 Standalone

CA_66B									
Combination 15MHz+5MHz (75RB+25RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		α	RB S	MPR Le
			RB Size	RB offset	RB Size	RB offset			
132047	132140	QPSK	1	0	1	24	2	0	18.59
132322	132415	QPSK	1	0	1	24	2	0	18.65
132597	132504	QPSK	1	74	1	0	2	0	18.60

Ant 1 Simultaneous

CA_66B									
Combination 15MHz+5MHz (75RB+25RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		α	RB S	MPR Le
			RB Size	RB offset	RB Size	RB offset			
132047	132140	QPSK	1	0	1	24	2	0	15.74
132322	132415	QPSK	1	0	1	24	2	0	15.79
132597	132504	QPSK	1	74	1	0	2	0	15.81

Ant 1 Standalone

CA_41C									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		α	RB S	MPR Le
			RB Size	RB offset	RB Size	RB offset			
39790	39968	QPSK	1	99	1	0	2	0	21.76
39790	39948	QPSK	1	99	1	0	2	0	21.71
40185	40383	QPSK	1	99	1	0	2	0	21.65
40620	40818	QPSK	1	99	1	0	2	0	21.82
41055	41263	QPSK	1	99	1	0	2	0	21.66
41490	41292	QPSK	1	0	1	99	2	0	21.85

Ant 2 Simultaneous

CA_48C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		RB offset	RB Size	RB Size	Total Power (dBm)
			RB Size	RB offset	RB Size	RB offset				Tune up Power (dBm)
55340	55538	QPSK	1	99	1	0	2	0	14.52	16.50
55830	56028	QPSK	1	99	1	0	2	0	14.60	16.50
56150	56348	QPSK	1	99	1	0	2	0	14.65	16.50
56640	56442	QPSK	1	0	1	99	2	0	14.68	16.50

Ant 0 Simultaneous

CA_5B										
Combination 10MHz+5MHz (50RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		RB offset	RB Size	RB Size	Total Power (dBm)
			RB Size	RB offset	RB Size	RB offset				Tune up Power (dBm)
20450	20522	QPSK	1	49	1	0	2	0	21.77	23.40
20525	20597	QPSK	1	49	1	0	2	0	21.79	23.40
20600	20528	QPSK	1	0	1	24	2	0	21.89	23.40

Ant 1 Simultaneous

CA_5B										
Combination 10MHz+5MHz (50RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		RB offset	RB Size	RB Size	Total Power (dBm)
			RB Size	RB offset	RB Size	RB offset				Tune up Power (dBm)
20450	20522	QPSK	1	49	1	0	2	0	23.07	24.00
20525	20597	QPSK	1	49	1	0	2	0	23.02	24.00
20600	20528	QPSK	1	0	1	24	2	0	23.12	24.00

Ant 0 Simultaneous

CA_41C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		RB offset	RB Size	RB Size	Total Power (dBm)
			RB Size	RB offset	RB Size	RB offset				Tune up Power (dBm)
39790	39688	QPSK	1	99	1	0	2	0	16.23	16.60
39750	39648	QPSK	1	99	1	0	2	0	16.18	16.60
40185	40383	QPSK	1	99	1	0	2	0	16.20	16.60
40620	40818	QPSK	1	99	1	0	2	0	16.19	16.60
41055	41253	QPSK	1	99	1	0	2	0	16.18	16.60
41490	41292	QPSK	1	0	1	99	2	0	16.25	16.60

Ant 1 Simultaneous

CA_41C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		RB offset	RB Size	RB Size	Total Power (dBm)
			RB Size	RB offset	RB Size	RB offset				Tune up Power (dBm)
39790	39688	QPSK	1	99	1	0	2	0	17.83	19.10
39750	39648	QPSK	1	99	1	0	2	0	17.82	19.10
40185	40383	QPSK	1	99	1	0	2	0	17.67	19.10
40620	40818	QPSK	1	99	1	0	2	0	17.70	19.10
41055	41253	QPSK	1	99	1	0	2	0	17.72	19.10
41490	41292	QPSK	1	0	1	99	2	0	17.84	19.10



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Ant 0 Standalone

CA_66C											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		tal	RB St.	MPR Lev	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
132072	132270	QPSK	1	99	1	0	1	0		20.37	22.00
132322	132520	QPSK	1	99	1	0	1	0		20.45	22.00
132572	132374	QPSK	1	0	1	99	1	0		20.59	22.00

Ant 1 Standalone

CA_66C											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		RB Size	RB St.	MPR Lev	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
132072	132270	QPSK	1	99	1	0	1	0		21.07	22.90
132322	132520	QPSK	1	99	1	0	1	0		21.11	22.90
132572	132374	QPSK	1	0	1	99	1	0		21.14	22.90

Ant 0 Standalone

CA_66B											
Combination 15MHz+5MHz (75RB+25RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		tal RB	Si	MPR Lev	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
132047	132140	QPSK	1	0	1	24	1	0		20.33	22.00
132322	132415	QPSK	1	0	1	24	1	0		20.38	22.00
132597	132504	QPSK	1	74	1	24	1	0		20.47	22.00

Ant 1 Standalone

CA_66B											
Combination 15MHz+5MHz (75RB+25RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		tal RB	Si	MPR Lev	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
132047	132140	QPSK	1	0	1	24	1	0		21.06	22.90
132322	132415	QPSK	1	0	1	24	1	0		21.11	22.90
132597	132504	QPSK	1	74	1	24	1	0		21.21	22.90

Ant 0 Simultaneous

CA_66C											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		RB Size	Si	MPR Lev	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
132072	132270	QPSK	1	99	1	0	2	0		19.07	20.60
132322	132520	QPSK	1	99	1	0	2	0		19.02	20.60
132572	132374	QPSK	1	0	1	99	2	0		18.97	20.60

Ant 1 Simultaneous

CA_66C											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tail RB Size	MPR Lev	Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset					
132072	132270	QPSK	1	99	1	0	2	0	19.58	21.40	
132322	132520	QPSK	1	99	1	0	2	0	19.64	21.40	
132572	132374	QPSK	1	0	1	99	2	0	19.53	21.40	

Ant 0 Simultaneous

CA_66B											
Combination 15MHz+5MHz (75RB+25RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		tal	RB St.	MPR Lev	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
132047	132140	QPSK	1	0	1	24	2	0		19.05	20.60
132322	132415	QPSK	1	0	1	24	2	0		19.01	20.60
132597	132504	QPSK	1	74	1	24	2	0		18.95	20.60

Ant 1 Simultaneous

CA_66B											
Combination 15MHz+5MHz (75RB+25RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		tal	RB St.	MPR Lev	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
132047	132140	QPSK	1	0	1	0	2	0		19.51	21.40
132322	132415	QPSK	1	0	1	24	2	0		19.61	21.40
132597	132504	QPSK	1	74	1	24	2	0		18.66	21.40

Ant 2 Standalone

CA_48C											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Ial RB	Ss	MPR Lev	Measured Power (dBm)	Turn up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
55340	55538	QPSK	1	99	1	0	2	0	0	22.09	23.50
55830	56028	QPSK	1	99	1	0	2	0	0	22.11	23.50
56150	56348	QPSK	1	99	1	0	2	0	0	22.16	23.50
56640	56442	QPSK	1	0	1	99	2	0	0	22.23	23.50

Ant 2 Simultaneous

CA_48C											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		I	Q	MPR Lev	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
55340	55538	QPSK	1	99	1	0	2	0	0	20.43	21.70
55830	56028	QPSK	1	99	1	0	2	0	0	20.42	21.70
56150	56348	QPSK	1	99	1	0	2	0	0	20.52	21.70
56640	56442	QPSK	1	0	1	99	2	0	0	20.54	21.70

Ant 0 Standalone

CA_41C											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		RB Size	RB offset	MPR Lev	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
39790	39988	QPSK	1	99	1	0	2	0	23.55	24.00	
39750	39948	QPSK	1	99	1	0	2	0	23.45	24.00	
40185	40383	QPSK	1	99	1	0	2	0	23.42	24.00	
40620	40818	QPSK	1	99	1	0	2	0	23.69	24.00	
41055	41253	QPSK	1	99	1	0	2	0	23.51	24.00	
41490	41292	QPSK	1	0	1	99	2	0	23.72	24.00	

Ant 1 Standalone

CA_41C											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		RB Size	RB offset	MPR Lev	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
39790	39988	QPSK	1	99	1	0	2	0	22.18	23.60	
39750	39948	QPSK	1	99	1	0	2	0	22.05	23.60	
40185	40383	QPSK	1	99	1	0	2	0	22.11	23.60	
40620	40818	QPSK	1	99	1	0	2	0	22.29	23.60	
41055	41253	QPSK	1	99	1	0	2	0	22.2	23.60	
41490	41292	QPSK	1	0	1	99	2	0	22.36	23.60	

Ant 1 Simultaneous

CA_41C											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		RB Size	RB offset	MPR Lev	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
39790	39988	QPSK	1	99	1	0	2	0	20.43	22.00	
39750	39948	QPSK	1	99	1	0	2	0	20.38	22.00	
40185	40383	QPSK	1	99	1	0	2	0	20.4	22.00	
40620	40818	QPSK	1	99	1	0	2	0	20.64	22.00	
41055	41253	QPSK	1	99	1	0	2	0	20.51	22.00	
41490	41292	QPSK	1	0	1	99	2	0	20.68	22.00	

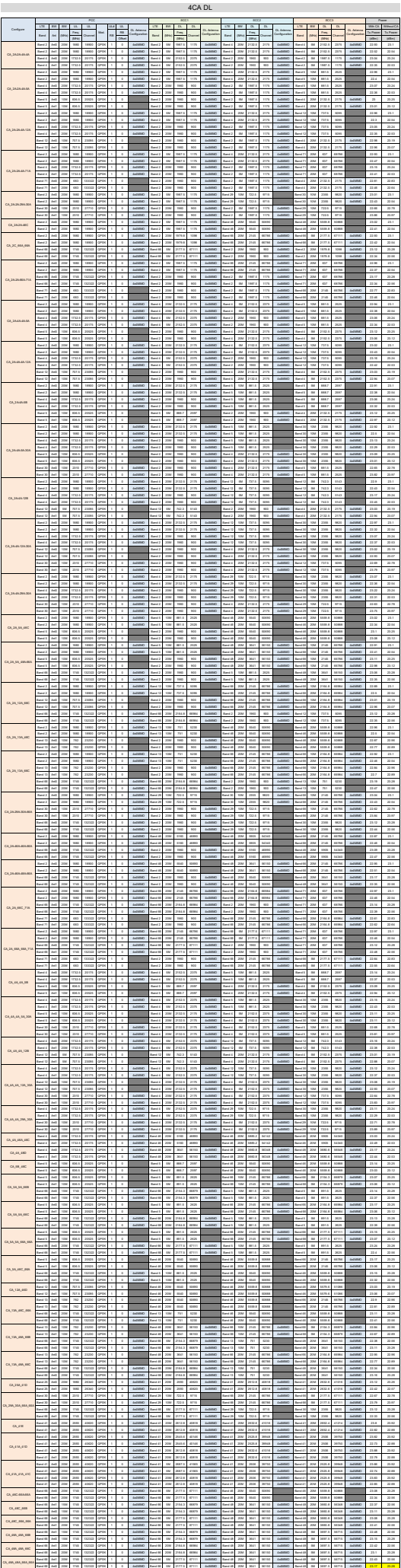
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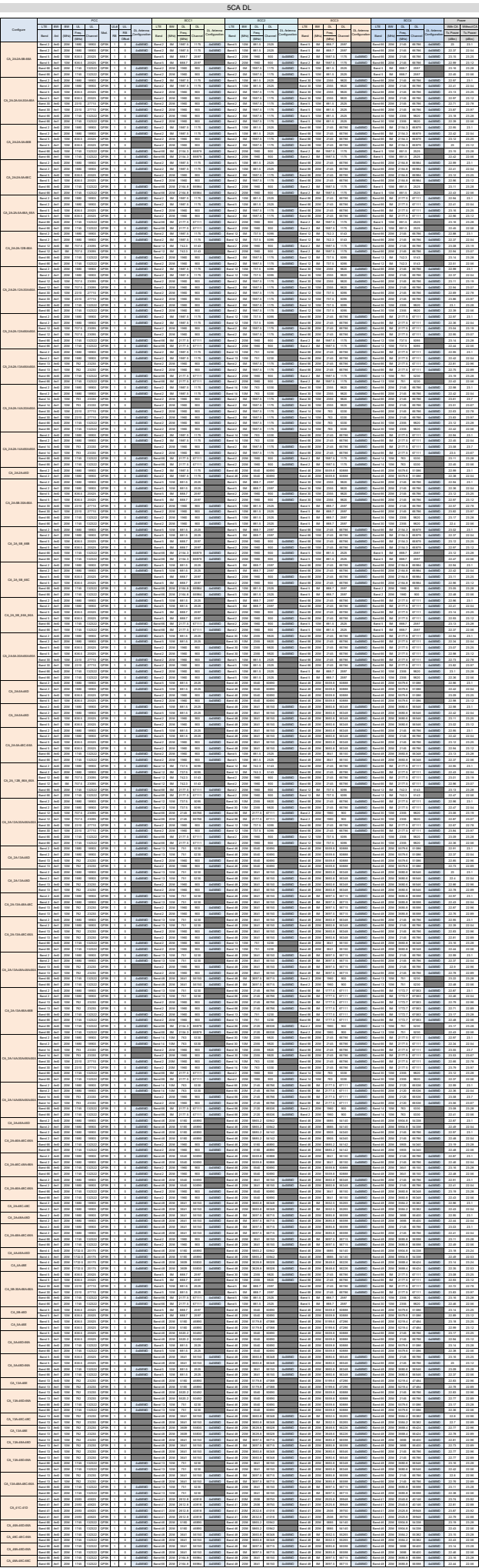
2CA DL

CA List	PCC									SCC				Power			
	LTE	BW	BW	UL	UL	Mod.	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA	
	Band	Ant	(MHz)	Freq. (MHz)	Channel		RB	RB		Offset	Band	(MHz)	Freq. (MHz)		Channel	Tx. Power (dBm)	Tx. Power (dBm)
CA_4A-4B	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 48	20M	3641	56150	4xMIMO	23.12	23.24	
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 48	20M	3641	56150	4xMIMO	22.48	22.53	
CA_5A-41A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 41	20M	2593	40620	4xMIMO	23.17	23.25	
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 41	20M	2593	40620	4xMIMO	23.09	23.12	
CA_12A-46A	Band 12	Ant0	10M	707.5	23095	QPSK	1	0		Band 46	20M	5540	50690		22.99	23.19	
	Band 12	Ant1	10M	707.5	23095	QPSK	1	0		Band 46	20M	5540	50690		23.01	23.07	
CA_25A-41A	Band 25	Ant0	20M	1880	26340	QPSK	1	0	4xMIMO	Band 41	20M	2593	40620	4xMIMO	23.17	23.26	
	Band 25	Ant1	20M	1880	26340	QPSK	1	0	4xMIMO	Band 41	20M	2593	40620	4xMIMO	22.39	22.57	
CA_25A-46A	Band 25	Ant0	20M	1880	26340	QPSK	1	0	4xMIMO	Band 46	20M	5540	50690		23.13	23.26	
	Band 25	Ant1	20M	1880	26340	QPSK	1	0	4xMIMO	Band 46	20M	5540	50690		22.44	22.57	
CA_26A-41A	Band 26	Ant0	15M	831.5	26865	QPSK	1	0	4xMIMO	Band 41	20M	2593	40620	4xMIMO	23.18	23.35	
	Band 26	Ant1	15M	831.5	26865	QPSK	1	0	4xMIMO	Band 41	20M	2593	40620	4xMIMO	23.06	23.14	
CA_41A-46A	Band 41	Ant0	20M	2593	40620	QPSK	1	0	4xMIMO	Band 46	20M	5540	50690		23.88	23.92	
	Band 41	Ant1	20M	2593	40620	QPSK	1	0	4xMIMO	Band 46	20M	5540	50690		22.74	22.88	

3CA DL

3CA List	PCC								SCC1				SCC2				Power								
	LTE	BW	BW	UL	UL	UL	UL	UL	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With Tx Power (dBm)	Without CA Tx Power (dBm)			
	Band	Ant	Freq. (MHz)	Channel	Mod.	RB	RB Offset	DL Antenna Configuration	Band	(MHz)	Freq. (MHz)	Channel	DL Antenna Configuration	Band	(MHz)	Freq. (MHz)	Channel	DL Antenna Configuration	Band	(MHz)	Freq. (MHz)	Channel	DL Antenna Configuration		
CA_2C_12A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 2	20M	1979.8	1098	4xMIMO	Band 12	10M	737.5	5095		Band 12	10M	737.5	5095	22.98	23.1
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 2	20M	1979.8	1098	4xMIMO	Band 12	10M	737.5	5095		Band 12	10M	737.5	5095	22.42	22.54
	Band 12	Ant0	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900	4xMIMO	Band 2	20M	1979.8	1098	4xMIMO	Band 12	10M	737.5	5095	23.11	23.19
	Band 12	Ant1	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900	4xMIMO	Band 2	20M	1979.8	1098	4xMIMO	Band 12	10M	737.5	5095	22.94	23.07
CA_2A_2A_46A	Band 2	Ant0	20M	1880	18900	QPSK	1	0		Band 2	5M	1987.5	1175	4xMIMO	Band 46	20M	5540	50690		Band 46	20M	5540	50690	23.02	23.1
	Band 2	Ant1	20M	1880	18900	QPSK	1	0		Band 2	5M	1987.5	1175	4xMIMO	Band 46	20M	5540	50690		Band 46	20M	5540	50690	22.41	22.54
CA_2A_4A_13A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	Band 13	10M	751	5230		Band 13	10M	751	5230	22.86	23.1
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	Band 13	10M	751	5230		Band 13	10M	751	5230	22.39	22.54
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 13	10M	751	5230		Band 13	10M	751	5230	23.16	23.24
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 13	10M	751	5230		Band 13	10M	751	5230	22.47	22.53
	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 2	20M	1960	900	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	Band 13	10M	751	5230	22.75	22.89
	Band 13	Ant1	10M	782	23230	QPSK	1	0		Band 2	20M	1960	900	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	Band 13	10M	751	5230	22.69	22.89
CA_2A_5A_46A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 5	10M	881.5	2525		Band 46	20M	5540	50690		Band 46	20M	5540	50690	22.93	23.1
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 5	10M	881.5	2525		Band 46	20M	5540	50690		Band 46	20M	5540	50690	22.49	22.54
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4xMIMO	Band 46	20M	5540	50690		Band 46	20M	5540	50690	23.14	23.25
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4xMIMO	Band 46	20M	5540	50690		Band 46	20M	5540	50690	23.09	23.12
CA_2A_13A_46A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 13	10M	751	5230		Band 46	20M	5540	50690		Band 46	20M	5540	50690	22.86	23.1
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 13	10M	751	5230		Band 46	20M	5540	50690		Band 46	20M	5540	50690	22.46	22.54
	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 2	20M	1960	900	4xMIMO	Band 46	20M	5540	50690		Band 46	20M	5540	50690	22.81	22.89
	Band 13	Ant1	10M	782	23230	QPSK	1	0		Band 2	20M	1960	900	4xMIMO	Band 46	20M	5540	50690		Band 46	20M	5540	50690	22.68	22.89
CA_4A_4A_13A	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 4	5M	2152.5	2375	4xMIMO	Band 13	10M	751	5230		Band 13	10M	751	5230	23.16	23.24
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 4	5M	2152.5	2375	4xMIMO	Band 13	10M	751	5230		Band 13	10M	751	5230	22.39	22.53
	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 4	20M	1732.5	20175	4xMIMO	Band 4	5M	2152.5	2375	4xMIMO	Band 4	5M	2152.5	2375	22.72	22.89
	Band 13	Ant1	10M	782	23230	QPSK	1	0		Band 4	20M	1732.5	2175	4xMIMO	Band 4	5M	2152.5	2375	4xMIMO	Band 4	5M	2152.5	2375	22.65	22.89
CA_4A_4A_71A	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 4	5M	2152.5	2375	4xMIMO	Band 71	20M	637	68786		Band 71	20M	637	68786	23.12	23.24
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 4	5M	2152.5	2375	4xMIMO	Band 71	20M	637	68786		Band 71	20M	637	68786	22.43	22.53
	Band 71	Ant0	20M	683	133322	QPSK	1	0		Band 4	20M	1732.5	20175	4xMIMO	Band 4	5M	2152.5	2375	4xMIMO	Band 4	5M	2152.5	2375	22.62	22.83
	Band 71	Ant1	20M	683	133322	QPSK	1	0		Band 4	20M	1732.5	2175	4xMIMO	Band 4	5M	2152.5	2375	4xMIMO	Band 4	5M	2152.5	2375	22.51	22.64
CA_4A_46A_46A	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 46	20M	5160	46890		Band 46	20M	5905	54340		Band 46	20M	5905	54340	23.17	23.24
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 46	20M	5160	46890		Band 46	20M	5905	54340		Band 46	20M	5905	54340	22.48	22.53
CA_5B_46A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 5	5M	886.7	2597		Band 46	20M	5540	50690		Band 46	20M	5540	50690	23.17	23.25
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 5	5M	886.7	2597		Band 46	20M	5540	50690		Band 46	20M	5540	50690	23.08	23.12
CA_4A_48C	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 48	20M	3641	56150	4xMIMO	Band 48	20M	3660.8	56348	4xMIMO	Band 48	20M	3660.8	56348	23.10	23.24
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 48	20M	3641	56150	4xMIMO	Band 48	20M	3660.8	56348	4xMIMO	Band 48	20M	3660.8	56348	22.37	22.53
CA_5A_46A_46A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 46	20M	5160	46890		Band 46	20M	5905	54340		Band 46	20M	5905	54340	23.19	23.25
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 46	20M	5160	46890		Band 46	20M	5905	54340		Band 46	20M	5905	54340	22.96	23.12
CA_12A_46C	Band 12	Ant0	10M	707.5	23095	QPSK	1	0		Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5559.8	50888	23.03	23.19
	Band 12	Ant1	10M	707.5	23095	QPSK	1	0		Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5559.8	50888	22.92	23.07
	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 46	20M	5540	50690		Band 66	20M	2145	66786	4xMIMO	Band 66	20M	2145	66786	22.78	22.89
	Band 13	Ant1	10M	782	23230	QPSK	1	0		Band 46	20M	5540	50690		Band 66	20M	2145	66786	4xMIMO	Band 66	20M	2145	66786	22.73	22.89
CA_25A_25A_26A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4xMIMO	Band 13	10M	751	5230		Band 46	20M	5540	50690		Band 46	20M	5540	50690	23.19	23.28
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4xMIMO	Band 13	10M	751	5230		Band 46	20M	5540	50690		Band 46	20M	5540	50690	22.47	22.56
	Band 25	Ant0	20M	1880	26340	QPSK	1	0	4xMIMO	Band 25	5M	1992.5	8665	4xMIMO	Band 26	5M	876.5	8865		Band 26	5M	876.5	8865	23.18	23.26
	Band 25	Ant1	20M	1880	26340	QPSK	1	0	4xMIMO	Band 25	5M	1992.5	8665	4xMIMO	Band 26	5M	876.5	8865		Band 26	5M	876.5	8865	22.46	22.57
	Band 26	Ant0	5M	831.5	26865	QPSK	1	0		Band 25	20M	1960	8340	4xMIMO	Band 25	5M	1992.5	8665	4xMIMO	Band 25	5M	1992.5	8665	22.93	23.05
	Band 26	Ant1	5M	831.5	26865	QPSK	1	0		Band 25	20M	1960	8340	4xMIMO	Band 25	5M	1992.5	8665	4xMIMO	Band 25	5M	1992.5	8665	22.87	22.95
CA_25A_41C	Band 25	Ant0	20M	1880	26340	QPSK	1	0	4xMIMO	Band 41	20M	2593	40620	4xMIMO	Band 41	20M	2612.8	40818	4xMIMO	Band 41	20M	2612.8	40818	23.13	23.26
	Band 25	Ant1	20M	1880	26340	QPSK	1	0	4xMIMO	Band 41	20M	2593	40620	4xMIMO	Band 41	20M	2612.8	40818	4xMIMO	Band 41	20M	2612.8	40818	22.46	22.57
CA_26A_41C	Band 26	Ant0	15M	831.5	26865	QPSK	1	0		Band 41	20M	2593	40620	4xMIMO	Band 41	20M	2612.8	40818	4xMIMO	Band 41	20M	2612.8	40818	23.31	23.35
	Band 26	Ant1	15M	831.5	26865	QPSK	1	0		Band 41	20M	2593	40620	4xMIMO	Band 41	20M	2612.8	40818	4xMIMO	Band 41	20M	2612.8	40818	22.96	23.14
CA_41A_41A_41A	Band 41	Ant0	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	5M	2687.5	41565	4xMIMO	Band 41	20M	2506	39750	4xMIMO	Band 41	20M	2506	39750	23.74	23.92
	Band 41	Ant1	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	5M	2687.5	41565	4xMIMO	Band 41	20M	2506	39750	4xMIMO	Band 41	20M	2506	39750	22.71	22.88
CA_46A_66C	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4xMIMO	Band 66	20M														





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Configure	PCC									SCC1				SCC2				SCC3				SCC4				SCC5				Power	
	LTE	BW	BW	UL	UL	Mod.	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA
	Band	Ant	(MHz)	Freq (MHz)	Channel	RB	RB Offset	Band		(MHz)	Freq (MHz)	Channel	Band		(MHz)	Freq (MHz)	Channel	Band		(MHz)	Freq (MHz)	Channel	Band		(MHz)	Freq (MHz)	Channel	Band		(MHz)	Freq (MHz)
CA_2A-46E-48A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 48	20M	3641	56150	4xMIMO	Band 46	20M	5520	50490		Band 46	20M	5539.8	50888		Band 46	20M	5559.9	50889		22.94	23.1
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 48	20M	3641	56150	4xMIMO	Band 46	20M	5520	50490		Band 46	20M	5539.8	50888		Band 46	20M	5559.9	50889		22.45	22.54
CA_2A-46E-66A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 66	20M	2145	66786	4xMIMO	Band 46	20M	5520	50490		Band 46	20M	5539.8	50888		Band 46	20M	5559.9	50889		22.87	23.1
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 66	20M	2145	66786	4xMIMO	Band 46	20M	5520	50490		Band 46	20M	5539.8	50888		Band 46	20M	5559.9	50889		22.46	22.54
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 46	20M	5160	46890		Band 46	20M	5179.8	47088		Band 46	20M	5199.6	47286		23.1	23.28
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 46	20M	5160	46890		Band 46	20M	5179.8	47088		Band 46	20M	5199.6	47286		22.45	22.56
CA_2A-46D-48C	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 48	20M	3641	56150	4xMIMO	Band 48	20M	3660.8	56348	4xMIMO	Band 46	20M	5540	50990		Band 46	20M	5559.8	50888		22.89	23.1
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 48	20M	3641	56150	4xMIMO	Band 48	20M	3660.8	56348	4xMIMO	Band 46	20M	5540	50990		Band 46	20M	5559.8	50888		22.48	22.54
CA_2A-46D-48A-66A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 48	20M	3641	56150	4xMIMO	Band 66	20M	2145	66786	4xMIMO	Band 46	20M	5540	50990		Band 46	20M	5559.8	50888		22.98	23.1
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 48	20M	3641	56150	4xMIMO	Band 66	20M	2145	66786	4xMIMO	Band 46	20M	5540	50990		Band 46	20M	5559.8	50888		22.53	22.54
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 48	20M	3641	56150	4xMIMO	Band 46	20M	5540	50990		Band 46	20M	5559.8	50888		23.16	23.28
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 48	20M	3641	56150	4xMIMO	Band 46	20M	5540	50990		Band 46	20M	5559.8	50888		22.48	22.56
CA_2A-46D-66A-66A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 66	20M	2145	66786	4xMIMO	Band 66	5M	2177.5	67111	4xMIMO	Band 46	20M	5540	50990		Band 46	20M	5559.8	50888		22.89	23.1
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 66	20M	2145	66786	4xMIMO	Band 66	5M	2177.5	67111	4xMIMO	Band 46	20M	5540	50990		Band 46	20M	5559.8	50888		22.37	22.54
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4xMIMO	Band 66	5M	2177.5	67111	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 46	20M	5540	50990		Band 46	20M	5559.8	50888		23.11	23.28
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4xMIMO	Band 66	5M	2177.5	67111	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 46	20M	5540	50990		Band 46	20M	5559.8	50888		22.38	22.56
CA_2A-46C-48D	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 46	20M	5540	50990		Band 46	20M	5559.8	50888		Band 48	20M	3641	56150	4xMIMO	Band 48	20M	3660.8	56348	4xMIMO	22.87	23.1
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 46	20M	5540	50990		Band 46	20M	5559.8	50888		Band 48	20M	3641	56150	4xMIMO	Band 48	20M	3660.8	56348	4xMIMO	22.46	22.54
CA_2A-46C-48C-66A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 46	20M	5540	50990		Band 46	20M	5559.8	50888		Band 48	20M	3641	56150	4xMIMO	Band 48	20M	3660.8	56348	4xMIMO	22.99	23.1
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 46	20M	5540	50990		Band 46	20M	5559.8	50888		Band 48	20M	3641	56150	4xMIMO	Band 48	20M	3660.8	56348	4xMIMO	22.41	22.54
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4xMIMO	Band 48	20M	3641	56150	4xMIMO	Band 48	20M	3660.8	56348	4xMIMO	Band 46	20M	5540	50990		Band 46	20M	5559.8	50888		23.17	23.28
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4xMIMO	Band 48	20M	3641	56150	4xMIMO	Band 48	20M	3660.8	56348	4xMIMO	Band 46	20M	5540	50990		Band 46	20M	5559.8	50888		22.48	22.56
CA_2A-46A-48E	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 46	20M	5540	50990		Band 48	20M	3609	56303	4xMIMO	Band 46	20M	3628.8	56028	4xMIMO	Band 48	20M	3648.6	56226	4xMIMO	22.95	23.1
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 46	20M	5540	50990		Band 48	20M	3609	56303	4xMIMO	Band 48	20M	3628.8	56028	4xMIMO	Band 48	20M	3648.6	56226	4xMIMO	22.35	22.54
CA_2A-46A-48D-66A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 46	20M	5540	50990		Band 66	20M	2145	66786	4xMIMO	Band 46	20M	3641	56150	4xMIMO	Band 48	20M	3660.8	56348	4xMIMO	22.96	23.1
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 46	20M	5540	50990		Band 66	20M	2145	66786	4xMIMO	Band 48	20M	3641	56150	4xMIMO	Band 48	20M	3660.8	56348	4xMIMO	22.48	22.54
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 46	20M	5540	50990		Band 46	20M	3641	56150	4xMIMO	Band 48	20M	3660.8	56348	4xMIMO	23.16	23.28
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 46	20M	5540	50990		Band 46	20M	3641	56150	4xMIMO	Band 48	20M	3660.8	56348	4xMIMO	22.48	22.56
CA_2A-48E-66A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 48	20M	3609	55830	4xMIMO	Band 48	20M	3628.8	56028	4xMIMO	Band 46	20M	3648.6	56226	4xMIMO	Band 48	20M	3668.4	56424	4xMIMO	22.95	23.1
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 48	20M	3609	55830	4xMIMO	Band 48	20M	3628.8	56028	4xMIMO	Band 48	20M	3648.6	56226	4xMIMO	Band 48	20M	3668.4	56424	4xMIMO	22.41	22.54
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 48	20M	3609	55830	4xMIMO	Band 46	20M	3628.8	56028	4xMIMO	Band 48	20M	3648.6	56226	4xMIMO	23.11	23.28
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 48	20M	3609	55830	4xMIMO	Band 48	20M	3628.8	56028	4xMIMO	Band 48	20M	3648.6	56226	4xMIMO	22.46	22.56
CA_46E-48A-66A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4xMIMO	Band 48	20M	3641	56150	4xMIMO	Band 46	20M	5520	50490		Band 46	20M	5539.8	50888		Band 46	20M	5559.9	50889		23.11	23.28
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4xMIMO	Band 48	20M	3641	56150	4xMIMO	Band 46	20M	5520	50490		Band 46	20M	5539.8	50888		Band 46	20M	5559.9	50889		22.42	22.56
CA_46E-66A-66A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4xMIMO	Band 66	5M	2177.5	67111	4xMIMO	Band 46	20M	5520	50490		Band 46	20M	5539.8	50888		Band 46	20M	5559.9	50889		23.11	23.28
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4xMIMO	Band 66	5M	2177.5	67111	4xMIMO	Band 46	20M	5520	50490		Band 46	20M	5539.8	50888		Band 46	20M	5559.9	50889		22.36	22.56
CA_46C-48D-66A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4xMIMO	Band 46	20M	5540	50990		Band 46	20M	5559.8	50888		Band 48	20M	3641	56150	4xMIMO	Band 48	20M	3660.8	56348	4xMIMO	23.11	23.28
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4xMIMO	Band 46	20M	5540	50990		Band 46	20M	5559.8	50888		Band 48	20M	3641	56150	4xMIMO	Band 48	20M	3660.8	56348	4xMIMO	22.43	22.56

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Configure	PCC										SCC1				SCC2				SCC3				SCC4				SCC5				SCC6				Power		
	LTE	BW	BW	UL	UL	Mod.	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA	
	Band	Ant	Ant	Freq (MHz)	Channel		RB	RB Offset		Band	Ant	Freq (MHz)	Channel		Band	Ant	Freq (MHz)	Channel		Band	Ant	Freq (MHz)	Channel		Band	Ant	Freq (MHz)	Channel		Band	Ant	Freq (MHz)	Channel		Band	Ant	Freq (MHz)
CA_2A-48C-48C	Band 2	Ant0	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	Band 48	20M	5520	50490		Band 46	20M	5539.8	50688		Band 46	20M	5580	51090	22.88	23.1	
	Band 2	Ant1	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	Band 48	20M	5520	50490		Band 46	20M	5539.8	50688		Band 46	20M	5580	51090	22.49	22.54	
	Band 2	Ant0	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 48	20M	5520	50490		Band 46	20M	5539.8	50688		Band 46	20M	5580	51090	22.89	23.1	
CA_2A-48C-48A-66A	Band 2	Ant1	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 48	20M	5520	50490		Band 46	20M	5539.8	50688		Band 46	20M	5580	51090	22.51	22.54	
	Band 66	Ant0	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	5520	50490		Band 46	20M	5539.8	50688		Band 46	20M	5580	51090	23.15	23.28	
	Band 66	Ant1	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	5520	50490		Band 46	20M	5539.8	50688		Band 46	20M	5580	51090	22.49	22.56	
CA_2A-48C-66A-66A	Band 2	Ant0	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 48	20M	5520	50490		Band 46	20M	5539.8	50688		Band 46	20M	5580	51090	22.86	23.1	
	Band 2	Ant1	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 48	20M	5520	50490		Band 46	20M	5539.8	50688		Band 46	20M	5580	51090	22.37	22.54	
	Band 66	Ant0	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 48	20M	5520	50490		Band 46	20M	5539.8	50688		Band 46	20M	5580	51090	23.16	23.28	
CA_2A-48C-48C-66A	Band 66	Ant1	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 48	20M	5520	50490		Band 46	20M	5539.8	50688		Band 46	20M	5580	51090	22.43	22.56	
	Band 2	Ant0	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5579.6	51086	22.89	23.1	
	Band 2	Ant1	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5579.6	51086	22.47	22.54	
CA_2A-48C-48C-66A	Band 66	Ant0	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5579.6	51086	23.15	23.28	
	Band 66	Ant1	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5579.6	51086	22.38	22.56	
	Band 2	Ant0	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	22.95	23.1
CA_2A-48C-48C-48E	Band 2	Ant1	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690		Band 48	20M	5559.8	50888		Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	22.45	22.54
	Band 2	Ant0	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690		Band 48	20M	5559.8	50888		Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	22.89	23.1
	Band 2	Ant0	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690		Band 48	20M	5559.8	50888		Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	22.39	22.56
CA_2A-48C-48C-66A	Band 66	Ant1	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690		Band 48	20M	5559.8	50888		Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	23.17	23.28
	Band 66	Ant0	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 46	20M	5540	50690		Band 48	20M	5559.8	50888		Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	22.49	22.54
	Band 66	Ant1	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	Band 48	20M	5520	50490		Band 46	20M	5539.8	50688		Band 46	20M	5580	51090	23.21	23.26	
CA_48C-48C-66A	Band 66	Ant1	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	Band 48	20M	5520	50490		Band 46	20M	5539.8	50688		Band 46	20M	5580	51090	23.29	23.26	
	Band 66	Ant0	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 48	20M	5540	50690		Band 48	20M	5559.8	50888		Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	23.07	23.28
	Band 66	Ant1	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 48	20M	5540	50690		Band 48	20M	5559.8	50888		Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	22.39	22.56

n2 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				1600	1600	1600			
Frequency (MHz)				22.27	22.45	22.46			
20	Pl2 BPSK	1	1	22.27	22.45	22.46	24.0	0.0	
20	Pl2 BPSK	1	53	22.30	22.39	22.24			
20	Pl2 BPSK	1	104	22.28	22.46	22.33			
20	Pl2 BPSK	50	0	22.21	22.27	22.16	24.0	0.0	
20	Pl2 BPSK	50	26	22.30	22.31	22.21	24.0	0.0	
20	Pl2 BPSK	50	56	22.13	22.32	22.24	24.0	0.0	
20	Pl2 BPSK	100	0	22.21	22.27	22.16	24.0	0.0	
20	QPSK	1	1	22.44	22.51	22.49			
20	QPSK	1	53	22.37	22.47	22.43			
20	QPSK	1	104	22.42	22.42	22.28	24.0	0.0	
20	QPSK	50	0	22.27	22.32	22.21			
20	QPSK	50	26	22.34	22.40	22.21			
20	QPSK	50	56	22.28	22.37	22.25	24.0	0.0	
20	QPSK	100	0	22.42	22.43	22.41	24.0	0.0	
20	16QAM	1	1	22.40	22.39	22.32			
20	64QAM	1	1	21.61	21.62	21.63		23.0	
20	256QAM	1	1	19.18	19.33	19.19	21.0	3.0	
Channel				371500	376000	380500	Tune-up limit	MPR	
Frequency (MHz)				1807.3	1800	1802.3	(dBm)	(dB)	
15	QPSK	1	1	22.29	22.34	22.45	24.0	0.0	
Channel				371000	376000	381000	Tune-up limit	MPR	
Frequency (MHz)				1865	1860	1805	(dBm)	(dB)	
10	QPSK	1	1	22.42	22.40	22.43	24.0	0.0	
Channel				170500	170000	169500	Tune-up limit	MPR	
Frequency (MHz)				1892.5	1880	1897.5	(dBm)	(dB)	
5	QPSK	1	1	22.27	22.38	22.46	24.0	0.0	

Full Power level/Default Power level/ Pmax Power Level for 5G NR

n5 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	838			
20	Pl2 BPSK	1	1	22.15	22.27	22.20	24.0	0.0	
20	Pl2 BPSK	1	53	22.32	22.11	22.23			
20	Pl2 BPSK	1	104	22.02	22.01	22.32			
20	Pl2 BPSK	50	0	22.04	22.03	22.39	24.0	0.0	
20	Pl2 BPSK	50	26	22.10	22.14	22.11	24.0	0.0	
20	Pl2 BPSK	50	56	22.34	22.11	22.04	24.0	0.0	
20	Pl2 BPSK	100	0	22.33	22.14	22.37	24.0	0.0	
20	QPSK	1	1	22.22	22.43	22.22			
20	QPSK	1	53	22.07	22.11	22.04			
20	QPSK	1	104	22.12	22.13	22.05	24.0	0.0	
20	QPSK	50	0	22.17	22.21	22.01			
20	QPSK	50	26	22.17	22.32	22.30			
20	QPSK	50	56	22.12	22.13	22.10	24.0	0.0	
20	QPSK	100	0	22.12	22.20	22.04	24.0	0.0	
20	16QAM	1	1	22.22	22.34	22.34			
20	64QAM	1	1	22.32	22.12	22.21		23.0	
20	256QAM	1	1	20.02	20.21	20.02	21.0	3.0	
Channel				166300	167300	168300	Tune-up limit	MPR	
Frequency (MHz)				831.5	836.5	841.5	(dBm)	(dB)	
15	QPSK	1	1	22.16	22.31	22.01	24.0	0.0	
Channel				165800	167300	168800	Tune-up limit	MPR	
Frequency (MHz)				829	836.5	844	(dBm)	(dB)	
10	QPSK	1	1	22.06	22.22	22.22	24.0	0.0	
Channel				165300	167300	167300	Tune-up limit	MPR	
Frequency (MHz)				826.5	836.5	846.5	(dBm)	(dB)	
5	QPSK	1	1	22.20	22.25	22.10	24.0	0.0	

n12 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				141300	141500	141700			
Frequency (MHz)				704.5	707.5	708.5			
15	Pl2 BPSK	1	1	23.13	23.12	23.07	24.0	0.0	
15	Pl2 BPSK	1	40	23.11	23.15	22.99			
15	Pl2 BPSK	1	77	23.08	23.09	23.03			
15	Pl2 BPSK	36	0	22.67	22.67	22.46	23.5	0.5	
15	Pl2 BPSK	36	22	22.96	23.07	22.94	24.0	0.0	
15	Pl2 BPSK	36	43	22.62	22.61	22.59	23.5	0.5	
15	Pl2 BPSK	75	0	22.63	22.72	22.66	24.0	0.0	
15	QPSK	1	1	23.16	23.21	23.08			
15	QPSK	1	40	23.17	23.19	23.15			
15	QPSK	1	77	23.15	23.17	23.09	23.0	1.0	
15	QPSK	36	0	22.17	22.22	22.03			
15	QPSK	36	22	23.06	23.15	23.08			
15	QPSK	36	43	22.10	22.19	22.00	23.0	1.0	
15	QPSK	75	0	22.28	22.29	22.10	23.0	1.0	
15	16QAM	1	1	22.16	22.21	22.03			
15	64QAM	1	1	20.83	20.97	20.80		21.5	
15	256QAM	1	1	18.68	18.83	18.76	19.5	4.5	
Channel				140800	141500	142200	Tune-up limit	MPR	
Frequency (MHz)				704	707.5	711	(dBm)	(dB)	
10	QPSK	1	1	23.08	23.21	23.08	24.0	0.0	
Channel				140300	141500	142700	Tune-up limit	MPR	
Frequency (MHz)				701.5	707.5	713.5	(dBm)	(dB)	
5	QPSK	1	1	22.96	23.12	23.05	24.0	0.0	

n25 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mediu Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376500	381000			
Frequency (MHz)				1860	1862.5	1865			
20	PI2 BPSK	1	1	22.35	22.34	22.15			
20	PI2 BPSK	1	53	22.20	22.31	22.17	24.0	0.0	
20	PI2 BPSK	1	104	22.33	22.33	22.23			
20	PI2 BPSK	50	0	22.12	22.31	22.20	24.0	0.0	
20	PI2 BPSK	50	28	22.05	22.27	22.16	24.0	0.0	
20	PI2 BPSK	50	56	22.12	22.24	22.10			
20	PI2 BPSK	100	0	22.16	22.27	22.22	24.0	0.0	
20	QPSK	1	1	22.96	22.63	22.47			
20	QPSK	1	53	22.17	22.36	22.22	24.0	0.0	
20	QPSK	1	104	22.37	22.39	22.20			
20	QPSK	50	0	22.27	22.32	22.17	24.0	0.0	
20	QPSK	50	28	22.23	22.34	22.15	24.0	0.0	
20	QPSK	50	56	22.22	22.31	22.25			
20	QPSK	100	0	22.35	22.35	22.33	24.0	0.0	
20	16QAM	1	1	22.39	22.43	22.32	24.0	0.0	
20	64QAM	1	1	21.47	21.55	21.34	23.0	1.0	
20	256QAM	1	1	19.18	19.28	19.06	21.0	3.0	
Channel				371500	376500	381500	Tune-up limit	MPR	
Frequency (MHz)				1857.5	1862.5	1867.5	(dBm)	(dB)	
15	QPSK	1	1	22.40	22.55	22.25	24.0	0.0	
Channel				371000	376500	382000	Tune-up limit	MPR	
Frequency (MHz)				1865	1862.5	1910			
10	QPSK	1	1	22.45	22.51	22.35	24.0	0.0	
Channel				370500	376500	382500	Tune-up limit	MPR	
Frequency (MHz)				1862.5	1862.5	1912.5	(dBm)	(dB)	
5	QPSK	1	1	22.57	22.47	22.28	24.0	0.0	

n26 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mediu Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				164800	166300	167800			
Frequency (MHz)				824	831.5	839			
20	PI2 BPSK	1	1	22.55	22.65	22.49			
20	PI2 BPSK	1	53	22.43	22.58	22.49	24.0	0.0	
20	PI2 BPSK	1	104	22.56	22.62	22.45			
20	PI2 BPSK	50	0	22.61	22.67	22.53	24.0	0.0	
20	PI2 BPSK	50	28	22.59	22.64	22.56	24.0	0.0	
20	PI2 BPSK	50	56	22.45	22.58	22.40			
20	PI2 BPSK	100	0	22.54	22.67	22.61	24.0	0.0	
20	QPSK	1	1	22.68	22.73	22.66			
20	QPSK	1	53	22.57	22.64	22.52	24.0	0.0	
20	QPSK	1	104	22.62	22.69	22.65			
20	QPSK	50	0	22.59	22.66	22.55	24.0	0.0	
20	QPSK	50	28	22.54	22.72	22.63	24.0	0.0	
20	QPSK	50	56	22.52	22.63	22.48			
20	QPSK	100	0	22.58	22.72	22.57	24.0	0.0	
20	16QAM	1	1	22.63	22.69	22.58	24.0	0.0	
20	64QAM	1	1	21.97	22.09	21.92	23.5	0.5	
20	256QAM	1	1	19.72	19.77	19.59	21.0	3.0	
Channel				164300	166300	168300	Tune-up limit	MPR	
Frequency (MHz)				821.5	831.5	841.5	(dBm)	(dB)	
15	QPSK	1	1	22.42	22.69	22.49	24.0	0.0	
Channel				163800	166300	168800	Tune-up limit	MPR	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	1	22.40	22.68	22.53	24.0	0.0	
Channel				163300	166300	169300	Tune-up limit	MPR	
Frequency (MHz)				816.5	831.5	846.5	(dBm)	(dB)	
5	QPSK	1	1	22.53	22.65	22.50	24.0	0.0	

n66 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mediu Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	23.06	23.11	23.04			
40	PI2 BPSK	1	108	22.99	23.05	22.92	24.0	0.0	
40	PI2 BPSK	1	214	22.92	23.05	22.84			
40	PI2 BPSK	108	0	22.89	22.97	22.83	24.0	0.0	
40	PI2 BPSK	108	54	23.07	23.08	23.02	24.0	0.0	
40	PI2 BPSK	108	108	23.22	23.21	23.11			
40	PI2 BPSK	216	0	22.86	23.05	22.93	24.0	0.0	
40	QPSK	1	1	23.19	23.32	23.23			
40	QPSK	1	108	22.93	23.07	23.08	24.0	0.0	
40	QPSK	1	214	23.01	23.17	23.10			
40	QPSK	108	0	23.11	23.16	23.08	24.0	0.0	
40	QPSK	108	54	22.95	23.27	22.95	24.0	0.0	
40	QPSK	108	108	23.25	23.11	23.15			
40	QPSK	216	0	23.09	23.15	23.15	24.0	0.0	
40	16QAM	1	1	23.16	23.24	23.24	24.0	0.0	
40	64QAM	1	1	21.95	22.17	22.05	23.0	1.0	
40	256QAM	1	1	19.68	19.84	19.73	21.0	3.0	
Channel				345500	349000	353000	Tune-up limit	MPR	
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)	
30	QPSK	1	1	23.16	23.20	23.24	24.0	0.0	
Channel				344000	349000	354000	Tune-up limit	MPR	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	23.14	23.22	23.08	24.0	0.0	
Channel				343500	349000	354500	Tune-up limit	MPR	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)	
15	QPSK	1	1	23.01	23.12	23.05	24.0	0.0	
Channel				343000	349000	355000	Tune-up limit	MPR	
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)	
10	QPSK	1	1	23.09	23.10	23.05	#REF!	0.0	
Channel				342500	349000	355500	Tune-up limit	MPR	
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)	
5	QPSK	1	1	23.12	23.23	23.03	24.0	0.0	

n71 Ant0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134000	136100	137600		
Frequency (MHz)				674	680.5	686		
20	PQ2 BPSK	1	1	22.58	22.53	22.75		
20	PQ2 BPSK	1	53	22.83	22.99	22.90	24.0	0.0
20	PQ2 BPSK	1	104	22.67	22.79	22.59		
20	PQ2 BPSK	50	0	22.74	22.94	22.87	24.0	0.0
20	PQ2 BPSK	50	28	22.91	22.96	22.90	24.0	0.0
20	PQ2 BPSK	50	56	22.77	22.85	22.64		
20	PQ2 BPSK	100	0	22.82	23.01	22.86	24.0	0.0
20	QPSK	1	1	23.02	23.13	22.96		
20	QPSK	1	53	22.89	22.95	22.85	24.0	0.0
20	QPSK	1	104	22.83	22.70	22.89		
20	QPSK	50	0	22.86	22.85	22.84	24.0	0.0
20	QPSK	50	28	22.75	22.59	22.81	24.0	0.0
20	QPSK	50	56	22.85	22.85	22.80	24.0	0.0
20	QPSK	100	0	22.93	22.97	22.82		
20	16QAM	1	1	22.96	23.08	23.09	24.0	0.0
20	64QAM	1	1	22.25	22.45	22.34	24.0	0.0
20	256QAM	1	1	20.11	20.09	20.08	21.0	3.0
Channel				134100	136100	138100	Tune-up limit	MPR
Frequency (MHz)				680.5	680.5	680.5	(dBm)	(dB)
15	QPSK	1	1	23.02	22.95	22.86	24.0	0.0
Channel				136000	136100	136600	Tune-up limit	MPR
Frequency (MHz)				686	680.5	693	(dBm)	(dB)
10	QPSK	1	1	22.97	23.00	22.89	24.0	0.0
Channel				137100	137100	137100	Tune-up limit	MPR
Frequency (MHz)				695.5	690.5	695.5	(dBm)	(dB)
5	QPSK	1	1	22.86	23.04	22.83	24.0	0.0

n41 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit	MPR (dB)	
Channel				509202	518598	528000	24.0	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	Pi/2 BPSK	1	1	22.96	23.11	22.98	24.0	0.0	
100	Pi/2 BPSK	1	137	23.22	23.26	23.23			
100	Pi/2 BPSK	1	271	23.02	23.14	23.16	23.5	0.5	
100	Pi/2 BPSK	135	0	22.79	22.78	22.66			
100	Pi/2 BPSK	135	69	23.04	23.19	23.08	24.0	0.0	
100	Pi/2 BPSK	135	138	22.73	22.75	22.68			
100	Pi/2 BPSK	270	0	22.53	22.72	22.63	23.5	0.5	
100	QPSK	1	1	23.21	23.33	23.25			
100	QPSK	1	137	23.06	23.17	23.00	24.0	0.0	
100	QPSK	1	271	23.21	23.23	23.16			
100	QPSK	135	0	22.20	22.22	22.07	23.0	1.0	
100	QPSK	135	69	23.06	23.14	23.02			
100	QPSK	135	138	22.21	22.21	22.22	23.0	1.0	
100	QPSK	270	0	22.06	22.14	22.02			
100	16QAM	1	1	22.34	22.42	22.39	23.0	1.0	
100	64QAM	1	1	20.69	20.86	20.71			
100	256QAM	1	1	18.47	18.61	18.56	19.5 4.5		
Channel				508200	518598	528998	24.0	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	23.20	23.17	23.13	24.0	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2536.02	2592.99	2649.99	24.0	MPR (dB)	
80	QPSK	1	1	23.15	23.24	23.23		0.0	
Channel				506202	518598	531000	24.0	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	23.12	23.27	23.16	24.0	0.0	
Channel				505200	518598	531998			
Frequency (MHz)				2526	2592.99	2659.98	24.0	MPR (dB)	
60	QPSK	1	1	23.14	23.25	23.23		0.0	
Channel				504204	518598	532998	24.0	0.0	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	23.04	23.31	23.11	24.0	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670	24.0	MPR (dB)	
40	QPSK	1	1	23.23	23.15	23.15		0.0	
Channel				502200	518598	534998	24.0	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	23.08	23.31	23.16	24.0	0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99	24.0	MPR (dB)	
20	QPSK	1	1	23.13	23.32	23.20		0.0	

n41 PC2 Ant0									
BW [MHz]	Modulation	RB Size		RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					509202	518598	528000	27.0	0.0
Frequency (MHz)					2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	1	26.20	26.23	26.06	27.0	0.0
100	PI/2 BPSK	1	137	1	26.01	26.18	26.04		
100	PI/2 BPSK	1	271	1	26.29	26.27	26.19	26.5	0.5
100	PI/2 BPSK	135	0	1	26.08	26.13	25.98		
100	PI/2 BPSK	135	69	1	26.15	26.21	26.19	27.0	0.0
100	PI/2 BPSK	135	138	1	26.20	26.18	26.05		
100	PI/2 BPSK	270	0	1	25.99	26.18	25.97	26.5	0.5
100	QPSK	1	1	1	26.22	26.32	26.21		
100	QPSK	1	137	1	26.15	26.21	26.19	27.0	0.0
100	QPSK	1	271	1	26.14	26.24	26.09		
100	QPSK	135	0	1	25.73	25.78	25.59	26.0	1.0
100	QPSK	135	69	1	26.11	26.15	26.07		
100	QPSK	135	138	1	25.86	25.86	25.77	26.0	1.0
100	QPSK	270	0	1	25.62	25.73	25.60		
100	16QAM	1	1	1	25.75	25.91	25.86	26.0	1.0
100	64QAM	1	1	1	24.31	24.35	24.27		
100	256QAM	1	1	1	22.03	22.11	21.99	22.5	4.5
Channel					508200	518598	528998		
Frequency (MHz)					2541	2592.99	2644.98	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	1	26.16	26.18	26.08	27.0	0.0
Channel					507204	518598	529998	27.0	0.0
Frequency (MHz)					2536.02	2592.99	2649.99		
80	QPSK	1	1	1	26.13	26.14	26.08	27.0	0.0
Channel					506202	518598	531000	27.0	0.0
Frequency (MHz)					2531.01	2592.99	2655		
70	QPSK	1	1	1	26.11	26.24	26.12	27.0	0.0
Channel					505200	518598	531998	27.0	0.0
Frequency (MHz)					2526	2592.99	2659.98		
60	QPSK	1	1	1	26.18	26.26	26.22	27.0	0.0
Channel					504204	518598	532998	27.0	0.0
Frequency (MHz)					2521.02	2592.99	2664.99		
50	QPSK	1	1	1	26.11	26.26	26.06	27.0	0.0
Channel					503202	518598	534000	27.0	0.0
Frequency (MHz)					2516.01	2592.99	2670		
40	QPSK	1	1	1	26.19	26.26	26.05	27.0	0.0
Channel					502200	518598	534998	27.0	0.0
Frequency (MHz)					2511	2592.99	2674.98		
30	QPSK	1	1	1	26.05	26.26	26.15	27.0	0.0
Channel					501204	518598	535998	27.0	0.0
Frequency (MHz)					2506.02	2592.99	2679.99		
20	QPSK	1	1	1	26.02	26.29	26.03	27.0	0.0



n2 Ant1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				1440	1440	1440		
Frequency (MHz)				372000	376000	380000		
20	P1/2 BPSK	1	1	23.07	23.21	23.08		
20	P1/2 BPSK	1	53	22.95	23.12	23.11	24.0	0.0
20	P1/2 BPSK	1	104	22.97	23.15	22.98		
20	P1/2 BPSK	50	0	22.97	23.05	23.04	24.0	0.0
20	P1/2 BPSK	50	28	23.01	23.09	22.99	24.0	0.0
20	P1/2 BPSK	50	56	22.88	23.06	22.92		
20	P1/2 BPSK	100	0	23.07	23.08	22.96	24.0	0.0
20	QPSK	1	1	23.12	23.28	23.20		
20	QPSK	1	53	23.11	23.10	22.88	24.0	0.0
20	QPSK	1	104	23.00	23.15	23.00		
20	QPSK	50	0	22.87	23.03	22.99	24.0	0.0
20	QPSK	50	28	22.89	23.08	23.04	24.0	0.0
20	QPSK	50	56	22.99	23.05	22.95	24.0	0.0
20	QPSK	100	0	22.89	23.08	23.05		
20	16QAM	1	1	23.21	23.23	23.05	24.0	0.0
20	64QAM	1	1	22.21	22.29	22.21	23.0	1.0
20	256QAM	1	1	19.85	20.02	19.82	21.0	3.0
Channel				371500	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1827.5	1830	1927.5		
15	QPSK	1	1	22.85	23.20	23.20	24.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1805	1880	1905		
10	QPSK	1	1	23.13	23.15	22.99	24.0	0.0
Channel				373000	378000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	23.00	23.14	23.08	24.0	0.0

n5 Ant1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				854	856.5	859		
Frequency (MHz)				166800	167300	167800		
20	P1/2 BPSK	1	1	23.07	23.21	23.15		
20	P1/2 BPSK	1	53	22.86	22.95	22.79	24.0	0.0
20	P1/2 BPSK	1	104	22.92	22.98	22.86		
20	P1/2 BPSK	50	0	22.97	23.05	22.97	24.0	0.0
20	P1/2 BPSK	50	28	23.05	23.01	23.01	24.0	0.0
20	P1/2 BPSK	50	56	22.89	23.05	22.97		
20	P1/2 BPSK	100	0	22.89	23.02	22.84	24.0	0.0
20	QPSK	1	1	23.25	23.39	23.29		
20	QPSK	1	53	23.02	23.02	22.94	24.0	0.0
20	QPSK	1	104	23.08	23.08	22.92		
20	QPSK	50	0	23.04	23.12	22.93	24.0	0.0
20	QPSK	50	28	23.19	23.22	23.15	24.0	0.0
20	QPSK	50	56	23.12	23.19	23.10	24.0	0.0
20	QPSK	100	0	23.02	23.03	23.14		
20	16QAM	1	1	23.16	23.19	23.24	24.0	0.0
20	64QAM	1	1	22.31	22.62	22.44	23.0	1.0
20	256QAM	1	1	19.84	20.22	19.90	21.0	3.0
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.10	23.31	23.31	24.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.00	23.35	23.22	24.0	0.0
Channel				165300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	23.20	23.25	23.10	24.0	0.0

n7 Ant1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				2500	2535	2560		
Frequency (MHz)				504000	507000	510000		
40	P1/2 BPSK	1	1	23.27	23.49	23.35		
40	P1/2 BPSK	1	108	23.32	23.41	23.39	24.0	0.0
40	P1/2 BPSK	1	214	23.44	23.48	23.30		
40	P1/2 BPSK	108	0	23.21	23.33	23.24	24.0	0.0
40	P1/2 BPSK	108	54	23.32	23.37	23.17	24.0	0.0
40	P1/2 BPSK	108	108	23.34	23.36	23.30		
40	P1/2 BPSK	216	0	23.09	23.29	23.08	24.0	0.0
40	QPSK	1	1	23.80	23.83	23.45		
40	QPSK	1	108	23.21	23.31	23.12	24.0	0.0
40	QPSK	1	214	23.36	23.43	23.43		
40	QPSK	108	0	23.30	23.35	23.14	24.0	0.0
40	QPSK	108	54	23.34	23.39	23.26	24.0	0.0
40	QPSK	108	108	23.26	23.42	23.21	24.0	0.0
40	QPSK	216	0	23.43	23.64	23.29		
40	16QAM	1	1	23.55	23.61	23.45	24.0	0.0
40	64QAM	1	1	22.18	22.34	22.35	23.0	1.0
40	256QAM	1	1	20.09	20.07	19.99	21.0	3.0
Channel				503800	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2525	2525		
30	P1/2 BPSK	1	1	23.48	23.52	23.27	24.0	0.0
Channel				502000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2525	2557.5		
25	P1/2 BPSK	1	1	23.05	23.83	23.38	24.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2525	2560		
20	QPSK	1	1	23.04	23.28	23.30	24.0	0.0
Channel				501000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	23.47	23.49	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	23.30	23.56	23.44	24.0	0.0
Channel				500000	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	23.39	23.59	23.41	24.0	0.0



n25 Ant1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				1860	1882.5	1905				
Frequency (MHz)										
20	PI2 BPSK	1	1	23.30	23.34	23.26		24.0	0.0	
20	PI2 BPSK	1	53	23.20	23.31	23.13				
20	PI2 BPSK	1	104	23.22	23.31	23.10		24.0	0.0	
20	PI2 BPSK	50	0	23.09	23.29	23.28				
20	PI2 BPSK	50	26	23.17	23.19	23.07		24.0	0.0	
20	PI2 BPSK	50	56	23.11	23.21	23.13				
20	PI2 BPSK	100	0	23.21	23.25	23.04		24.0	0.0	
20	QPSK	1	1	23.33	23.46	23.25				
20	QPSK	1	53	23.15	23.32	23.13		24.0	0.0	
20	QPSK	1	104	23.25	23.38	23.28				
20	QPSK	50	0	23.14	23.23	23.16		24.0	0.0	
20	QPSK	50	26	23.10	23.20	23.09				
20	QPSK	50	56	22.96	23.17	23.11		24.0	0.0	
20	QPSK	100	0	23.26	23.27	23.07				
20	16QAM	1	1	23.28	23.43	23.28		24.0	0.0	
20	64QAM	1	1	22.16	22.39	22.29				
20	256QAM	1	1	20.13	20.19	20.16		21.0	3.0	
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR		
Frequency (MHz)				1857.5	1882.5	1907.5	(dBm)			
15	QPSK	1	1	23.33	23.46	23.25		24.0	0.0	
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR		
Frequency (MHz)				1855	1882.5	1910	(dBm)			
10	QPSK	1	1	23.33	23.46	23.25		24.0	0.0	
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR		
Frequency (MHz)				1852.5	1882.5	1912.5	(dBm)			
5	QPSK	1	1	23.33	23.46	23.25		24.0	0.0	

n30 Ant1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				461800	462000	462800			
Frequency (MHz)				2307.5	2310	2312.5			
10	PI2 BPSK	1	1	23.45			24.0	0.0	
10	PI2 BPSK	1	26	23.48					
10	PI2 BPSK	1	50	23.46			23.5	0.5	
10	PI2 BPSK	25	0	23.01					
10	PI2 BPSK	25	14	23.39			23.5	0.5	
10	PI2 BPSK	25	27	22.98					
10	PI2 BPSK	50	0	23.03			24.0	0.0	
10	QPSK	1	1	23.57					
10	QPSK	1	26	23.43			23.0	1.0	
10	QPSK	1	50	23.07					
10	QPSK	25	0	22.51			24.0	0.5	
10	QPSK	25	14	23.45					
10	QPSK	25	27	22.48			23.0	1.0	
10	QPSK	50	0	22.54					
10	16QAM	1	1	22.84			21.5	2.5	
10	64QAM	1	1	21.07					
10	256QAM	1	1	19.04			Tune-up limit (dBm)	MPR (dB)	
Channel				461800	462000	462800			
Frequency (MHz)				2307.5	2310	2312.5			
5	QPSK	1	1	23.45	23.43	23.47	24.0	0.0	

n66 Ant1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				1190	346000	349000	352000		
Frequency (MHz)				2337	2348	2341			
40	PI2 BPSK	1	1	23.37	23.48	23.41	24.0	0.0	
40	PI2 BPSK	1	108	23.25	23.44	23.43			
40	PI2 BPSK	1	214	23.33	23.48	23.27	24.0	0.0	
40	PI2 BPSK	108	0	23.47	23.52	23.48			
40	PI2 BPSK	108	94	23.27	23.44	23.32	24.0	0.0	
40	PI2 BPSK	108	108	23.43	23.52	23.38			
40	PI2 BPSK	216	0	23.42	23.51	23.34	24.0	0.0	
40	QPSK	1	1	23.47	23.54	23.40			
40	QPSK	1	108	23.33	23.42	23.33	24.0	0.0	
40	QPSK	1	214	23.22	23.39	23.21			
40	QPSK	108	0	23.36	23.46	23.28	24.0	0.0	
40	QPSK	108	94	23.39	23.50	23.40			
40	QPSK	108	108	23.47	23.43	23.48	24.0	0.0	
40	QPSK	216	0	23.35	23.45	23.31			
40	16QAM	1	1	23.37	23.49	23.42	24.0	0.0	
40	64QAM	1	1	22.42	22.48	22.34			
40	256QAM	1	1	20.12	20.25	20.17	Tune-up limit (dBm)		MPR
Channel				346000	349000	353000	356000		
Frequency (MHz)				1725	1745	1765	1785		
30	QPSK	1	1	23.33	23.46	23.25	24.0	0.0	
Channel				346000	349000	354000	357000		
Frequency (MHz)				1720	1745	1770	1795		
20	QPSK	1	1	23.33	23.46	23.25	24.0	0.0	
Channel				343000	349000	355000	358000		
Frequency (MHz)				1717.5	1745	1772.5	1797.5		
15	QPSK	1	1	23.33	23.46	23.25	24.0	0.0	
Channel				342000	349000	356000	359000		
Frequency (MHz)				1715	1745	1775	1805		
10	QPSK	1	1	23.33	23.46	23.25	24.0	0.0	
Channel				341000	349000	357000	360000		
Frequency (MHz)				1712.5	1745	1777.5	1810		
5	QPSK	1	1	23.33	23.46	23.25	24.0	0.0	

n71 Ant1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Media Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				134600	136100	137600	MPR (dB)
Frequency (MHz)				668	680.5	694	
20	PI2 BPSK	1	1	22.60	22.76	22.73	
20	PI2 BPSK	1	53	22.65	22.87	22.79	24.0
20	PI2 BPSK	1	104	22.63	22.65	22.55	
20	PI2 BPSK	50	0	22.84	22.84	22.85	24.0
20	PI2 BPSK	50	28	22.87	22.88	22.77	24.0
20	PI2 BPSK	50	56	22.80	22.81	22.81	
20	PI2 BPSK	100	0	22.69	22.69	22.65	24.0
20	QPSK	1	1	22.73	22.82	22.86	
20	QPSK	1	53	22.81	22.85	22.78	24.0
20	QPSK	1	104	22.81	22.87	22.65	
20	QPSK	50	0	22.80	22.83	22.81	24.0
20	QPSK	50	28	22.75	22.87	22.71	24.0
20	QPSK	50	56	22.61	22.61	22.61	
20	QPSK	100	0	22.66	22.63	22.68	24.0
20	16QAM	1	1	22.70	22.86	22.69	24.0
20	64QAM	1	1	22.78	22.25	22.11	23.0
20	256QAM	1	1	20.03	20.05	20.00	21.0
Channel				134100	136100	138100	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	MPR (dB)
15	QPSK	1	1	22.71	22.88	22.66	24.0
Channel				133600	136100	138600	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	MPR (dB)
10	QPSK	1	1	22.06	22.84	22.73	24.0
Channel				133100	136100	139100	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	MPR (dB)
5	QPSK	1	1	22.09	22.84	22.70	24.0

n41 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000	24.0	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	22.06	22.23	22.06	24.0	0.0	
100	PI/2 BPSK	1	137	22.22	22.24	22.22			
100	PI/2 BPSK	1	271	22.14	22.22	22.19			
100	PI/2 BPSK	135	0	21.65	21.77	21.64	23.5	0.5	
100	PI/2 BPSK	135	69	22.05	22.16	22.07	24.0	0.0	
100	PI/2 BPSK	135	138	21.52	21.74	21.58	23.5	0.5	
100	PI/2 BPSK	270	0	21.59	21.70	21.61	24.0	0.0	
100	QPSK	1	1	22.29	22.33	22.17			
100	QPSK	1	137	22.10	22.23	22.01			
100	QPSK	1	271	22.07	22.27	22.10	23.0	1.0	
100	QPSK	135	0	21.02	21.22	21.19	24.0	0.0	
100	QPSK	135	69	22.04	22.11	22.06	23.0	1.0	
100	QPSK	135	138	21.20	21.21	21.03	23.0	1.0	
100	QPSK	270	0	21.06	21.19	21.07			
100	16QAM	1	1	21.29	21.50	21.48			
100	64QAM	1	1	19.93	19.92	19.72	21.5	2.5	
100	256QAM	1	1	17.54	17.66	17.56	19.5	4.5	
Channel				508200	518598	528998	24.0	0.0	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	22.08	22.11	22.02	24.0	0.0	
Channel				507204	518598	529998	24.0	0.0	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	22.10	22.24	22.17	24.0	0.0	
Channel				506202	518598	531000	24.0	0.0	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	22.10	22.27	22.05	24.0	0.0	
Channel				505200	518598	531998	24.0	0.0	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	22.28	22.19	22.16	24.0	0.0	
Channel				504204	518598	532998	24.0	0.0	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	22.20	22.19	22.10	24.0	0.0	
Channel				503202	518598	534000	24.0	0.0	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	22.25	22.25	22.06	24.0	0.0	
Channel				502200	518598	534998	24.0	0.0	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	22.28	22.31	22.10	24.0	0.0	
Channel				501204	518598	535998	24.0	0.0	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	22.13	22.30	22.17	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				509202	518598	528000	27.0	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	25.01	25.17	25.08	27.0	0.0	
100	PI/2 BPSK	1	137	25.09	25.25	25.07			
100	PI/2 BPSK	1	271	25.16	25.26	25.21			
100	PI/2 BPSK	135	0	25.04	25.14	25.08	26.5	0.5	
100	PI/2 BPSK	135	69	25.15	25.13	25.11	27.0	0.0	
100	PI/2 BPSK	135	138	25.01	25.08	25.08	26.5	0.5	
100	PI/2 BPSK	270	0	24.86	25.08	25.10	27.0	0.0	
100	QPSK	1	1	25.10	25.29	25.23			
100	QPSK	1	137	25.03	25.18	25.01			
100	QPSK	1	271	25.24	25.24	25.09	26.0	1.0	
100	QPSK	135	0	24.62	24.68	24.54	27.0	0.0	
100	QPSK	135	69	25.02	25.13	25.03	26.0	1.0	
100	QPSK	135	138	24.51	24.69	24.62	26.0	1.0	
100	QPSK	270	0	24.52	24.64	24.49	26.0	1.0	
100	16QAM	1	1	24.77	24.96	24.80	26.0	1.0	
100	64QAM	1	1	23.34	23.46	23.25	24.5	2.5	
100	256QAM	1	1	21.09	21.18	21.01	22.5	4.5	
Channel				508200	518598	528998	27.0	0.0	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	25.09	25.18	25.22	27.0	0.0	
Channel				507204	518598	529998	27.0	0.0	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	25.07	25.20	25.14	27.0	0.0	
Channel				506202	518598	531000	27.0	0.0	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	25.01	25.10	25.05	27.0	0.0	
Channel				505200	518598	531998	27.0	0.0	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	25.01	25.13	25.24	27.0	0.0	
Channel				504204	518598	532998	27.0	0.0	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	25.04	25.22	25.17	27.0	0.0	
Channel				503202	518598	534000	27.0	0.0	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	24.90	25.19	25.09	27.0	0.0	
Channel				502200	518598	534998	27.0	0.0	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	25.08	25.19	25.22	27.0	0.0	
Channel				501204	518598	535998	27.0	0.0	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	25.07	25.27	25.14	27.0	0.0	

Par270 n77 Ant2 PC3										
BW (kHz)	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	PI2 BPSK	1	1	22.34	22.45	22.40	24.0	0.0		
100	PI2 BPSK	1	137	22.52	22.51	22.36				
100	PI2 BPSK	1	271	22.45	22.56	22.41				
100	PI2 BPSK	135	0	21.89	21.89	21.73	23.5	0.5		
100	PI2 BPSK	135	69	22.35	22.41	22.35	24.0	0.0		
100	PI2 BPSK	135	138	21.83	21.93	21.85	23.5	0.5		
100	PI2 BPSK	270	0	21.73	21.93	21.85				
100	QPSK	1	1	22.50	22.58	22.55				
100	QPSK	1	137	22.19	22.36	22.32	24.0	0.0		
100	QPSK	1	271	22.48	22.51	22.36	23.0	1.0		
100	QPSK	135	0	21.34	21.43	21.42				
100	QPSK	135	69	22.19	22.35	22.32				
100	QPSK	135	138	21.44	21.44	21.32	23.0	1.0		
100	QPSK	270	0	21.31	21.39	21.38	23.0	1.0		
100	16QAM	1	1	21.25	21.39	21.29				
100	64QAM	1	1	19.99	20.18	20.09	21.5	2.5		
100	256QAM	1	1	17.98	18.01	17.97	19.5	4.5		
Channel				649999	656000	662000	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3745.02	3840	3935.01	(dB)	(dB)		
90	QPSK	1	1	22.44	22.51	22.40	24.0	0.0		
Channel				649334	656000	662968	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3740.01	3840	3940.02	(dB)	(dB)		
80	QPSK	1	1	22.43	22.40	22.39	24.0	0.0		
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3735	3840	3945	(dB)	(dB)		
70	QPSK	1	1	22.42	22.55	22.55	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	1	22.34	22.44	22.38	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	1	22.45	22.37	22.38	24.0	0.0		
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3720	3840	3960	(dB)	(dB)		
40	QPSK	1	1	22.33	22.51	22.35	24.0	0.0		
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3715.02	3840	3965.01	(dB)	(dB)		
30	QPSK	1	1	22.32	22.45	22.39	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	1	22.36	22.42	22.45	24.0	0.0		

Par270 n77 Ant2 PC2										
BW (MHz)	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)				37500	38400	39300				
100	PI2 BPSK	1	1	25.24	25.28	25.18	27.0	0.0		
100	PI2 BPSK	1	137	25.17	25.34	25.27				
100	PI2 BPSK	1	271	25.37	25.39	25.23				
100	PI2 BPSK	135	0	25.28	25.31	25.19	27.0	0.0		
100	PI2 BPSK	135	69	25.20	25.36	25.31	27.0	0.0		
100	PI2 BPSK	135	138	25.20	25.27	25.23	27.0	0.0		
100	PI2 BPSK	270	0	25.32	25.39	25.27				
100	QPSK	1	1	25.37	25.46	25.32				
100	QPSK	1	137	25.31	25.34	25.25	27.0	0.0		
100	QPSK	1	271	25.25	25.36	25.27	26.5	0.5		
100	QPSK	135	0	24.85	24.88	24.81				
100	QPSK	135	69	25.06	25.17	25.11				
100	QPSK	135	138	24.78	24.96	24.79	26.5	0.5		
100	QPSK	270	0	24.89	24.95	24.89				
100	16QAM	1	1	24.55	24.62	24.48	26.5	0.5		
100	64QAM	1	1	23.59	23.62	23.50	25.0	2.0		
100	256QAM	1	1	21.21	21.26	21.21	23.0	4.0		
Channel				649998	656000	662034	Tune-up limit (dbm)	MPR		
Frequency (MHz)				3745.02	38400	3935.01	(dbm)	(db)		
90	QPSK	1	1	25.26	25.41	25.18	27.0	0.0		
Channel				649334	656000	662968	Tune-up limit (dbm)	MPR		
Frequency (MHz)				3740.01	38400	3940.02	(dbm)	(db)		
80	QPSK	1	1	25.25	25.39	25.29	27.0	0.0		
Channel				649000	656000	663000	Tune-up limit (dbm)	MPR		
Frequency (MHz)				37350	38400	39450	(dbm)	(db)		
70	QPSK	1	1	25.34	25.41	25.28	27.0	0.0		
Channel				648668	656000	663334	Tune-up limit (dbm)	MPR		
Frequency (MHz)				3730.02	38400	3950.01	(dbm)	(db)		
60	QPSK	1	1	25.32	25.38	25.21	27.0	0.0		
Channel				648334	656000	663668	Tune-up limit (dbm)	MPR		
Frequency (MHz)				3725.01	38400	3955.02	(dbm)	(db)		
50	QPSK	1	1	25.24	25.39	25.25	27.0	0.0		
Channel				648000	656000	664000	Tune-up limit (dbm)	MPR		
Frequency (MHz)				37200	38400	39600	(dbm)	(db)		
40	QPSK	1	1	25.34	25.33	25.24	27.0	0.0		
Channel				647668	656000	664334	Tune-up limit (dbm)	MPR		
Frequency (MHz)				3715.02	38400	3965.01	(dbm)	(db)		
30	QPSK	1	1	25.23	25.42	25.19	27.0	0.0		
Channel				647334	656000	664668	Tune-up limit (dbm)	MPR		
Frequency (MHz)				3710.01	38400	3970.02	(dbm)	(db)		
20	QPSK	1	1	25.26	25.41	25.27	27.0	0.0		

Par27Q n77 Ant2 PC3											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				3500.0							
Frequency (MHz)				3500.0							
100	PI2 BPSK	1	1	22.89			24.0	0.0			
100	PI2 BPSK	1	137	22.90							
100	PI2 BPSK	1	271	22.98							
100	PI2 BPSK	135	0	22.88			24.0	0.0			
100	PI2 BPSK	135	69	22.96							
100	PI2 BPSK	135	138	22.90							
100	PI2 BPSK	270	0	22.89			24.0	0.0			
100	QPSK	1	1	22.99			24.0	0.0			
100	QPSK	1	137	22.91							
100	QPSK	1	271	22.96							
100	QPSK	135	0	22.93			24.0	0.0			
100	QPSK	135	69	22.97							
100	QPSK	135	138	22.92							
100	QPSK	270	0	22.91			24.0	0.0			
100	16QAM	1	1	21.85			23.0	1.0			
100	64QAM	1	1	20.83			21.5	2.5			
100	256QAM	1	1	18.50			19.5	4.5			
Channel				633000	633334	633668			MPR		
Frequency (MHz)				3495	3500.0	3505.02			(dBm)		
90	QPSK	1	1	22.85	22.91	22.90	24.0	MPR			
Channel				3300.0	333334	335000			limit		
Frequency (MHz)				3490.02	3500.0	3510			(dB)		
80	QPSK	1	1	22.83	22.89	22.90	24.0	MPR			
Channel				633000	633334	633668			limit		
Frequency (MHz)				3485	3500.0	3515.02			(dB)		
70	QPSK	1	1	22.85	22.94	22.90	24.0	0.0			
Channel				632000	633334	634668			MPR		
Frequency (MHz)				3480	3500.0	3520.02			limit		
60	QPSK	1	1	22.89	22.92	22.89	24.0	0.0			
Channel				631668	633334	635000			limit		
Frequency (MHz)				3478.02	3500.0	3525			(dBm)		
50	QPSK	1	1	22.85	22.83	22.80	24.0	0.0			
Channel				631334	633334	635334			limit		
Frequency (MHz)				3470.0	3500.0	3530.0			(dB)		
40	QPSK	1	1	22.86	22.86	22.89	24.0	0.0			
Channel				631000	633334	635668			limit		
Frequency (MHz)				3465	3500.0	3535.02			(dB)		
30	QPSK	1	1	22.86	22.84	22.88	24.0	0.0			
Channel				630668	633334	636000			limit		
Frequency (MHz)				3460.02	3500.0	3540			(dB)		
20	QPSK	1	1	22.82	22.82	22.87	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								
Frequency (MHz)				3500.01				
100	P12 BPSK	1	1	25.67			27.0	0.0
100	P12 BPSK	1	137	25.58				
100	P12 BPSK	1	271	25.52				
100	P12 BPSK	135	0	24.53			27.0	3.5
100	P12 BPSK	135	69	25.71			27.0	0.0
100	P12 BPSK	135	138	25.17			27.0	3.5
100	P12 BPSK	270	0	25.03			26.5	0.5
100	QPSK	1	1	25.72			27.0	0.0
100	QPSK	1	137	25.08				
100	QPSK	1	271	25.44				
100	QPSK	135	0	24.01			27.0	3.5
100	QPSK	135	69	25.66			27.0	0.0
100	QPSK	135	138	25.44			27.0	3.5
100	QPSK	270	0	25.11			26.5	0.5
100	16QAM	1	1	25.11			26.0	1.0
100	64QAM	1	1	23.58			25.0	2.5
100	256QAM	1	1	21.39			23.0	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	25.57	25.64	25.58	27.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	25.51	25.57	25.43	27.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	25.50	25.51	25.46	27.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	25.48	25.58	25.43	27.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	25.43	25.55	25.48	27.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	25.49	25.54	25.45	27.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	25.50	25.52	25.52	27.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	25.49	25.59	25.49	27.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)					3750			
100	P12 BPSK	1	1		22.36			
100	P12 BPSK	1	137		22.35			
100	P12 BPSK	1	271		22.29			
100	P12 BPSK	135	0		22.36		24.0	0.0
100	P12 BPSK	135	69		22.29		24.0	0.0
100	P12 BPSK	135	138		22.14		24.0	0.0
100	P12 BPSK	270	0		22.19		24.0	0.0
100	QPSK	1	1		22.49			
100	QPSK	1	137		22.37		24.0	0.0
100	QPSK	1	271		22.17			
100	QPSK	135	0		22.24		24.0	0.0
100	QPSK	135	69		22.26		24.0	0.0
100	QPSK	135	138		22.19		24.0	0.0
100	QPSK	270	0		22.21		24.0	0.0
100	16QAM	1	1		22.26		24.0	0.0
100	64QAM	1	1		22.38		24.0	0.0
100	256QAM	1	1		21.37		23.0	1.0
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	22.22	22.24	22.04	24.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	22.22	22.25	22.07	24.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	22.19	22.31	22.13	24.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	22.12	22.23	22.13	24.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	22.17	22.30	22.15	24.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	22.20	22.22	22.05	24.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	22.19	22.34	22.05	24.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	22.22	22.34	22.06	24.0	0.0

Part27O n78 Ant2 PC2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)					3750			
100	P12 BPSK	1	1		25.26			
100	P12 BPSK	1	137		25.25			
100	P12 BPSK	1	271		25.25			
100	P12 BPSK	135	0		25.21		27.0	0.0
100	P12 BPSK	135	69		25.18		27.0	0.0
100	P12 BPSK	135	138		25.06		27.0	0.0
100	P12 BPSK	270	0		25.13			
100	QPSK	1	1		25.28			
100	QPSK	1	137		25.24		27.0	0.0
100	QPSK	1	271		25.20			
100	QPSK	135	0		24.77		26.5	0.5
100	QPSK	135	69		25.20		27.0	0.0
100	QPSK	135	138		24.68		26.5	0.5
100	QPSK	270	0		24.65			
100	16QAM	1	1		25.11		27.0	0.0
100	64QAM	1	1		23.58		25.0	2.0
100	256QAM	1	1		21.39		23.0	4.0
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	25.02	25.09	24.99	27.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	24.94	25.14	25.01	27.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	25.02	25.05	25.01	27.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	25.02	25.10	24.92	27.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	25.02	25.08	24.97	27.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	25.02	25.03	24.94	27.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	25.03	25.08	24.95	27.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	25.21	25.02	24.96	27.0	0.0

Par27Q n78 Ant2 PC3									
BW (MHz)	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	22.54			24.0	0.0	
100	PI2 BPSK	1	137	22.50					
100	PI2 BPSK	1	271	22.89					
100	PI2 BPSK	135	0	22.54			24.0	0.0	
100	PI2 BPSK	135	69	22.81					
100	PI2 BPSK	135	135	22.60					
100	PI2 BPSK	270	0	22.49			24.0	0.0	
100	QPSK	1	1	22.71			24.0	0.0	
100	QPSK	1	137	22.80					
100	QPSK	1	271	22.61					
100	QPSK	135	0	22.83			23.5	0.0	
100	QPSK	135	69	22.58					
100	QPSK	135	135	22.58					
100	QPSK	270	0	22.49			24.0	0.0	
100	16QAM	1	1	21.57			24.0	1.0	
100	64QAM	1	1	20.33			22.0	2.5	
100	256QAM	1	1	18.16			20.0	4.5	
Channel				633000	633334	633668	limit	MPR (dB)	
Frequency (MHz)				3485	3500.01	3505.02	limit		
90	QPSK	1	1	22.57	22.53	22.61	24.0	0.0	
Channel				632668	633334	634000	limit	MPR (dB)	
Frequency (MHz)				3480.02	3500.01	3510	limit		
80	QPSK	1	1	22.49	22.53	22.55	24.0	0.0	
Channel				632334	633334	634334	limit	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01	limit		
70	QPSK	1	1	22.44	22.62	22.60	24.0	0.0	
Channel				632000	633334	634668	limit	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	limit		
60	QPSK	1	1	22.43	22.60	22.58	24.0	0.0	
Channel				631668	633334	635000	limit	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3505	limit		
50	QPSK	1	1	22.48	22.57	22.61	24.0	0.0	
Channel				631334	633334	635334	limit	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	limit		
40	QPSK	1	1	22.52	22.59	22.52	24.0	0.0	
Channel				631000	633334	635668	limit	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02	limit		
30	QPSK	1	1	22.44	22.58	22.55	24.0	0.0	
Channel				630668	633334	636000	limit	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	limit		
20	QPSK	1	1	22.43	22.56	22.60	24.0	0.0	

Par27Q n78 Ant2 PC3									
BW (MHz)	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	25.27			27.0	0.0	
100	PI2 BPSK	1	137	25.16					
100	PI2 BPSK	1	271	25.22					
100	PI2 BPSK	135	0	24.12			23.5	3.5	
100	PI2 BPSK	135	69	25.36					
100	PI2 BPSK	135	135	24.79					
100	PI2 BPSK	270	0	24.71			26.5	0.5	
100	QPSK	1	1	25.39			27.0	0.0	
100	QPSK	1	137	24.72					
100	QPSK	1	271	26.15					
100	QPSK	135	0	23.70			23.5	3.5	
100	QPSK	135	69	25.31					
100	QPSK	135	135	25.09					
100	QPSK	270	0	24.27			26.5	0.5	
100	16QAM	1	1	23.25			23.25	1.0	
100	64QAM	1	1	21.84			24.5	2.5	
100	256QAM	1	1	20.59			22.5	4.5	
Channel				633000	633334	633668	limit	MPR (dB)	
Frequency (MHz)				3485	3500.01	3505.02	limit		
90	QPSK	1	1	25.16	25.31	25.18	27.0	0.0	
Channel				632668	633334	634000	limit	MPR (dB)	
Frequency (MHz)				3480.02	3500.01	3510	limit		
80	QPSK	1	1	25.23	25.29	25.30	27.0	0.0	
Channel				632334	633334	634334	limit	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01	limit		
70	QPSK	1	1	25.22	25.30	25.20	27.0	0.0	
Channel				632000	633334	634668	limit	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	limit		
60	QPSK	1	1	25.21	25.34	25.16	27.0	0.0	
Channel				631668	633334	635000	limit	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3505	limit		
50	QPSK	1	1	25.28	25.25	25.21	27.0	0.0	
Channel				631334	633334	635334	limit	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	limit		
40	QPSK	1	1	25.25	25.27	25.21	27.0	0.0	
Channel				631000	633334	635668	limit	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02	limit		
30	QPSK	1	1	25.26	25.36	25.23	27.0	0.0	
Channel				630668	633334	636000	limit	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	limit		
20	QPSK	1	1	25.20	25.22	25.21	27.0	0.0	



Part27O n78_PC3 Ant7									
BW [MHz]	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	PV2 BPSK	1	1		22.83			24.0	0.0
100	PV2 BPSK	1	137		22.43				
100	PV2 BPSK	1	271		22.28				
100	PV2 BPSK	135	0		22.14		23.5	0.5	
100	PV2 BPSK	135	69		22.39		24.0	0.0	
100	PV2 BPSK	135	138		21.85		23.5	0.5	
100	PV2 BPSK	270	0		21.91				
100	QPSK	1	1		22.58				
100	QPSK	1	137		22.45		24.0	0.0	
100	QPSK	1	271		22.28				
100	QPSK	135	0		21.62		23.0	1.0	
100	QPSK	135	69		22.36		24.0	0.0	
100	QPSK	135	138		21.28		23.0	1.0	
100	QPSK	270	0		21.38				
100	16QAM	1	1		21.58		23.0	1.0	
100	64QAM	1	1		20.34		21.5	2.5	
100	256QAM	1	1		18.21		19.5	4.5	
Channel				649868	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		22.45	22.62	22.35	24.0	0.0
Channel				649324	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		22.42	22.54	22.34	24.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		22.51	22.54	22.45	24.0	0.0
Channel				648868	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		22.31	22.58	22.37	24.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		22.40	22.63	22.50	24.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		22.52	22.44	22.36	24.0	0.0
Channel				647868	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		22.36	22.60	22.47	24.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		22.40	22.55	22.50	24.0	0.0

Part27O n78_PC2 Ant7									
BW [MHz]	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	PV2 BPSK	1	1		25.54			27.0	0.0
100	PV2 BPSK	1	137		25.51				
100	PV2 BPSK	1	271		25.36				
100	PV2 BPSK	135	0		25.46		26.5	0.5	
100	PV2 BPSK	135	69		25.42		27.0	0.0	
100	PV2 BPSK	135	138		25.21		26.5	0.5	
100	PV2 BPSK	270	0		25.38				
100	QPSK	1	1		25.58				
100	QPSK	1	137		25.42		27.0	0.0	
100	QPSK	1	271		25.32				
100	QPSK	135	0		25.04		26.0	1.0	
100	QPSK	135	69		25.37		27.0	0.0	
100	QPSK	135	138		24.71		26.0	1.0	
100	QPSK	270	0		25.02				
100	16QAM	1	1		25.07		26.0	1.0	
100	64QAM	1	1		23.74		24.5	2.5	
100	256QAM	1	1		21.69		22.5	4.5	
Channel				649868	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		25.35	25.38	25.32	27.0	0.0
Channel				649324	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		25.31	25.43	25.36	27.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		25.34	25.45	25.34	27.0	0.0
Channel				648868	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		25.26	25.42	25.31	27.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		25.30	25.46	25.34	27.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		25.32	25.40	25.38	27.0	0.0
Channel				647868	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		25.32	25.42	25.40	27.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		25.31	25.45	25.41	27.0	0.0

Part27Q n78_PC3 Ant7									
BW [MHz]	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	PV2 BPSK	1	1		23.03			24.0	0.0
100	PV2 BPSK	1	137		22.86				
100	PV2 BPSK	1	271		23.00				
100	PV2 BPSK	135	0		22.75				
100	PV2 BPSK	135	69		23.13		24.0	0.0	
100	PV2 BPSK	135	138		22.58				
100	PV2 BPSK	270	0		22.64		24.0	0.5	
100	QPSK	1	1		23.19				
100	QPSK	1	137		22.95		24.0	0.0	
100	QPSK	1	271		22.98				
100	QPSK	135	0		22.17				
100	QPSK	135	69		23.17		24.0	0.0	
100	QPSK	135	138		22.05				
100	QPSK	270	0		22.25		23.0	1.0	
100	16QAM	1	1		22.38		23.0	1.0	
100	64QAM	1	1		20.83		21.5	2.5	
100	256QAM	1	1		18.78		19.5	4.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		22.98	23.07	23.05	24.0	0.0
Channel				632500	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		23.04	23.04	23.06	24.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3486.01	3500.01	3516.01			
70	QPSK	1	1		23.07	23.08	23.05	24.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		22.97	23.07	22.99	24.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		23.06	23.04	23.04	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		22.98	23.06	23.04	24.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		23.02	23.03	23.01	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		22.97	23.04	23.07	24.0	0.0

Part27Q n78_PC2 Ant7

BW [MHz]	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		26.21		27.0	0.0
100	PI2 BPSK	1	137		26.16			
100	PI2 BPSK	1	271		26.02		26.5	3.5
100	PI2 BPSK	135	0		26.10			
100	PI2 BPSK	135	69		26.12		27.0	0.0
100	PI2 BPSK	135	138		26.09			
100	PI2 BPSK	270	0		26.05		26.5	0.5
100	QPSK	1	1		26.25			
100	QPSK	1	137		26.13		27.0	0.0
100	QPSK	1	271		26.06			
100	QPSK	135	0		25.71		27.0	3.5
100	QPSK	135	69		26.13			
100	QPSK	135	138		25.65		26.0	3.5
100	QPSK	270	0		25.77			
100	16QAM	1	1		25.59		26.0	1.0
100	64QAM	1	1		24.43			
100	256QAM	1	1		22.31		22.5	2.5
Channel				633000	633334	633668	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485	3500.01	3505.02		
90	QPSK	1	1	26.05	26.07	26.10	27.0	0.0
Channel				632000	633334	634668	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	26.06	26.05	26.05	27.0	0.0
Channel				632334	633334	634334	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3415.01		
70	QPSK	1	1	25.99	26.03	26.07	27.0	0.0
Channel				632000	633334	634668	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	26.00	26.04	26.10	27.0	0.0
Channel				631668	633334	635000	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	26.05	26.07	26.04	27.0	0.0
Channel				631334	633334	635334	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	26.02	26.09	26.04	27.0	0.0
Channel				631000	633334	635668	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	26.03	26.02	26.08	27.0	0.0
Channel				630500	633334	636000	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	26.00	26.06	26.05	27.0	0.0



Reduced Power Mode for 5G NR

n2 Ant0 DSI2 Standalone&Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				1600	1600	1600			
Frequency (MHz)				22.27	22.45	22.46			
20	Pl2 BPSK	1	1	22.27	22.45	22.46	24.0	0.0	
20	Pl2 BPSK	1	53	22.30	22.39	22.24			
20	Pl2 BPSK	1	104	22.28	22.46	22.33			
20	Pl2 BPSK	50	0	22.21	22.27	22.16	24.0	0.0	
20	Pl2 BPSK	50	26	22.30	22.31	22.21	24.0	0.0	
20	Pl2 BPSK	50	56	22.13	22.32	22.24	24.0	0.0	
20	Pl2 BPSK	100	0	22.21	22.27	22.16			
20	QPSK	1	1	22.44	22.51	22.49	24.0	0.0	
20	QPSK	1	53	22.37	22.47	22.43			
20	QPSK	1	104	22.42	22.42	22.28			
20	QPSK	50	0	22.27	22.32	22.21	24.0	0.0	
20	QPSK	50	26	22.34	22.40	22.21	24.0	0.0	
20	QPSK	50	56	22.28	22.37	22.25			
20	QPSK	100	0	22.42	22.43	22.41	24.0	0.0	
20	16QAM	1	1	22.40	22.39	22.32	24.0	0.0	
20	64QAM	1	1	21.61	21.62	21.63	23.0	1.0	
20	256QAM	1	1	19.18	19.33	19.19	21.0	3.0	
Channel				371500	376000	380500	Tune-up limit	MPR	
Frequency (MHz)				1857.5	1860	1862.5	(dBm)	(dB)	
15	QPSK	1	1	22.29	22.34	22.45	24.0	0.0	
Channel				371000	376000	381000	Tune-up limit	MPR	
Frequency (MHz)				1865	1860	1805	(dBm)	(dB)	
10	QPSK	1	1	22.42	22.40	22.43	24.0	0.0	
Channel				170500	170500	181500	Tune-up limit	MPR	
Frequency (MHz)				1802.5	1860	1807.5	(dBm)	(dB)	
5	QPSK	1	1	22.27	22.38	22.46	24.0	0.0	

n5 Ant0 DSI2 Standalone&Simultaneous									
BW [MHz]	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	838			
20	Pl2 BPSK	1	1	22.15	22.27	22.20	24.0	0.0	
20	Pl2 BPSK	1	53	22.32	22.11	22.23			
20	Pl2 BPSK	1	104	22.02	22.01	22.32			
20	Pl2 BPSK	50	0	22.04	22.03	22.39	24.0	0.0	
20	Pl2 BPSK	50	26	22.10	22.14	22.11	24.0	0.0	
20	Pl2 BPSK	50	56	22.34	22.11	22.04	24.0	0.0	
20	Pl2 BPSK	100	0	22.33	22.14	22.37			
20	QPSK	1	1	22.22	22.43	22.22	24.0	0.0	
20	QPSK	1	53	22.07	22.11	22.04			
20	QPSK	1	104	22.12	22.13	22.05			
20	QPSK	50	0	22.17	22.21	22.01	24.0	0.0	
20	QPSK	50	26	22.17	22.32	22.30	24.0	0.0	
20	QPSK	50	56	22.12	22.13	22.10			
20	QPSK	100	0	22.12	22.20	22.04	24.0	0.0	
20	16QAM	1	1	22.22	22.34	22.34	24.0	0.0	
20	64QAM	1	1	22.32	22.12	22.21	23.0	1.0	
20	256QAM	1	1	20.02	20.21	20.02	21.0	3.0	
Channel				166300	167300	168300	Tune-up limit	MPR	
Frequency (MHz)				831.5	836.5	841.5	(dBm)	(dB)	
15	QPSK	1	1	22.16	22.31	22.01	24.0	0.0	
Channel				166800	167300	166800	Tune-up limit	MPR	
Frequency (MHz)				829	836.5	844	(dBm)	(dB)	
10	QPSK	1	1	22.06	22.22	22.22	24.0	0.0	
Channel				165300	167300	167300	Tune-up limit	MPR	
Frequency (MHz)				826.5	836.5	846.5	(dBm)	(dB)	
5	QPSK	1	1	22.20	22.25	22.10	24.0	0.0	

n12 Ant0 DSI2 Standalone&Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				141300	141500	141700			
Frequency (MHz)				704.5	707.5	708.5			
15	Pl2 BPSK	1	1	23.13	23.12	23.07	24.0	0.0	
15	Pl2 BPSK	1	40	23.11	23.15	22.99			
15	Pl2 BPSK	1	77	23.08	23.09	23.03			
15	Pl2 BPSK	36	0	22.67	22.67	22.46	23.5	0.5	
15	Pl2 BPSK	36	22	22.96	23.07	22.94	24.0	0.0	
15	Pl2 BPSK	36	43	22.62	22.61	22.59	23.5	0.5	
15	Pl2 BPSK	75	0	22.63	22.72	22.66			
15	QPSK	1	1	23.16	23.21	23.08	24.0	0.0	
15	QPSK	1	40	23.17	23.19	23.15			
15	QPSK	1	77	23.15	23.17	23.09			
15	QPSK	36	0	22.17	22.22	22.03	23.0	1.0	
15	QPSK	36	22	23.06	23.15	23.08	24.0	0.0	
15	QPSK	36	43	22.10	22.19	22.00			
15	QPSK	75	0	22.28	22.29	22.10	23.0	1.0	
15	16QAM	1	1	22.16	22.21	22.03	23.0	1.0	
15	64QAM	1	1	20.83	20.97	20.80	21.5	2.5	
15	256QAM	1	1	18.68	18.83	18.76	19.5	4.5	
Channel				140800	141500	142200	Tune-up limit	MPR	
Frequency (MHz)				704	707.5	711	(dBm)	(dB)	
10	QPSK	1	1	23.08	23.21	23.08	24.0	0.0	
Channel				140300	141500	142700	Tune-up limit	MPR	
Frequency (MHz)				701.5	707.5	713.5	(dBm)	(dB)	
5	QPSK	1	1	22.96	23.12	23.05	24.0	0.0	

n25 Ant0 DSI2 Standalone&Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376500	381000			
Frequency (MHz)				1860	1862.5	1865			
20	PI2 BPSK	1	1	22.35	22.34	22.15			
20	PI2 BPSK	1	53	22.20	22.31	22.17	24.0	0.0	
20	PI2 BPSK	1	104	22.33	22.33	22.23			
20	PI2 BPSK	50	0	22.12	22.31	22.20	24.0	0.0	
20	PI2 BPSK	50	28	22.05	22.27	22.16	24.0	0.0	
20	PI2 BPSK	50	56	22.12	22.24	22.10			
20	PI2 BPSK	100	0	22.16	22.27	22.22	24.0	0.0	
20	QPSK	1	1	22.36	22.63	22.47			
20	QPSK	1	53	22.17	22.36	22.22	24.0	0.0	
20	QPSK	1	104	22.37	22.39	22.20			
20	QPSK	50	0	22.27	22.32	22.17	24.0	0.0	
20	QPSK	50	28	22.23	22.34	22.15	24.0	0.0	
20	QPSK	50	56	22.22	22.31	22.25			
20	QPSK	100	0	22.33	22.36	22.33	24.0	0.0	
20	16QAM	1	1	22.39	22.43	22.32	24.0	0.0	
20	64QAM	1	1	21.47	21.55	21.34	23.0	1.0	
20	256QAM	1	1	19.18	19.28	19.06	21.0	3.0	
Channel				371500	376500	381500	Tune-up limit	MPR	
Frequency (MHz)				1857.5	1862.5	1867.5	(dBm)	(dB)	
15	QPSK	1	1	22.40	22.55	22.25	24.0	0.0	
Channel				371000	376500	382000	Tune-up limit	MPR	
Frequency (MHz)				1865	1862.5	1910	(dBm)	(dB)	
10	QPSK	1	1	22.45	22.51	22.25	24.0	0.0	
Channel				370500	376500	372500	Tune-up limit	MPR	
Frequency (MHz)				1862.5	1862.5	1912.5	(dBm)	(dB)	
5	QPSK	1	1	22.57	22.47	22.28	24.0	0.0	

n26 Ant0 DSI2 Standalone&Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				164800	166300	167800			
Frequency (MHz)				824	831.5	839			
20	PI2 BPSK	1	1	22.55	22.65	22.49			
20	PI2 BPSK	1	53	22.43	22.58	22.49	24.0	0.0	
20	PI2 BPSK	1	104	22.56	22.62	22.45			
20	PI2 BPSK	50	0	22.61	22.67	22.53	24.0	0.0	
20	PI2 BPSK	50	28	22.59	22.64	22.56	24.0	0.0	
20	PI2 BPSK	50	56	22.45	22.58	22.40			
20	PI2 BPSK	100	0	22.54	22.67	22.61	24.0	0.0	
20	QPSK	1	1	22.56	22.73	22.66			
20	QPSK	1	53	22.57	22.64	22.52	24.0	0.0	
20	QPSK	1	104	22.62	22.69	22.65			
20	QPSK	50	0	22.59	22.66	22.55	24.0	0.0	
20	QPSK	50	28	22.54	22.72	22.63	24.0	0.0	
20	QPSK	50	56	22.52	22.63	22.48			
20	QPSK	100	0	22.56	22.72	22.57	24.0	0.0	
20	16QAM	1	1	22.63	22.69	22.58	24.0	0.0	
20	64QAM	1	1	21.97	22.09	21.92	23.5	0.5	
20	256QAM	1	1	19.72	19.77	19.59	21.0	3.0	
Channel				164300	166300	168300	Tune-up limit	MPR	
Frequency (MHz)				821.5	831.5	841.5	(dBm)	(dB)	
15	QPSK	1	1	22.42	22.69	22.49	24.0	0.0	
Channel				163800	166300	168800	Tune-up limit	MPR	
Frequency (MHz)				819	831.5	844	(dBm)	(dB)	
10	QPSK	1	1	22.46	22.68	22.53	24.0	0.0	
Channel				163300	166300	167300	Tune-up limit	MPR	
Frequency (MHz)				816.5	831.5	846.5	(dBm)	(dB)	
5	QPSK	1	1	22.53	22.65	22.50	24.0	0.0	

n66 Ant0 DSI2 Standalone&Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	346000	352000			
Frequency (MHz)				1720	1745	1760			
40	PI2 BPSK	1	1	23.05	23.11	23.04			
40	PI2 BPSK	1	108	22.99	23.05	22.92	24.0	0.0	
40	PI2 BPSK	1	214	22.92	23.05	22.84			
40	PI2 BPSK	108	0	22.85	22.97	22.83	24.0	0.0	
40	PI2 BPSK	108	54	23.07	23.06	23.02	24.0	0.0	
40	PI2 BPSK	108	108	23.22	23.21	23.11	24.0	0.0	
40	PI2 BPSK	216	0	22.86	23.05	22.83			
40	QPSK	1	1	23.16	23.32	23.23			
40	QPSK	1	108	22.93	23.07	23.08	24.0	0.0	
40	QPSK	1	214	23.01	23.17	23.10			
40	QPSK	108	0	23.11	23.16	23.08	24.0	0.0	
40	QPSK	108	54	23.25	23.27	22.85	24.0	0.0	
40	QPSK	108	108	23.25	23.11	23.16	24.0	0.0	
40	QPSK	216	0	23.06	23.15	23.15			
40	16QAM	1	1	23.16	23.24	23.24	24.0	0.0	
40	64QAM	1	1	23.16	22.17	22.05	23.0	1.0	
40	256QAM	1	1	19.66	19.84	19.73	21.0	3.0	
Channel				345000	346000	353000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1720	1745	1760			
30	QPSK	1	1	23.14	23.20	23.24	24.0	0.0	
Channel				346000	346000	354000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	23.14	23.22	23.05	24.0	0.0	
Channel				345000	345000	345000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	23.01	23.12	23.05	24.0	0.0	
Channel				345000	345000	355000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	23.09	23.10	23.05	#REF1	0.0	
Channel				342000	349000	359000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	23.12	23.23	23.03	24.0	0.0	

n71 Ant0 DSI2 Standalone&Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				134600	136100	137600			
Frequency (MHz)				673	683.5	684			
20	PI2 BPSK	1	1	22.86	22.93	22.75			
20	PI2 BPSK	1	53	22.83	22.99	22.90	24.0	0.0	
20	PI2 BPSK	1	104	22.67	22.79	22.59			
20	PI2 BPSK	50	0	22.74	22.94	22.67	24.0	0.0	
20	PI2 BPSK	50	28	22.91	22.86	22.90	24.0	0.0	
20	PI2 BPSK	50	56	22.77	22.85	22.64	24.0	0.0	
20	PI2 BPSK	100	0	22.65	23.01	22.86			
20	QPSK	1	1	23.02	23.13	22.96			
20	QPSK	1	53	22.89	22.95	22.85	24.0	0.0	
20	QPSK	1	104	22.63	22.70	22.69			
20	QPSK	50	0	22.86	22.85	22.84	24.0	0.0	
20	QPSK	50	28	22.75	22.69	22.61	24.0	0.0	
20	QPSK	50	56	22.85	22.85	22.80	24.0	0.0	
20	QPSK	100	0	22.66	22.97	22.82			
20	16QAM	1	1	22.96	23.08	23.09	24.0	0.0	
20	64QAM	1	1	22.25	22.45	22.34	24.0	0.0	
20	256QAM	1	1	20.11	20.09	20.08	21.0	3.0	
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR	
Frequency (MHz)				670.5	683.5	693.5			
15	QPSK	1	1	23.02	22.95	22.84	24.0	0.0	
Channel				135600	136100	138600	Tune-up limit (dBm)	MPR	
Frequency (MHz)				666	680.5	693			
10	QPSK	1	1	22.97	23.06	22.89	24.0	0.0	
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR	
Frequency (MHz)				665.5	680.5	695.5			
5	QPSK	1	1	22.86	23.04	22.93	24.0	0.0	

n41 Ant0 DSI2 Standalone&Simultaneous PC3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000	24.0	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	22.96	23.11	22.98	24.0	0.0	
100	PI/2 BPSK	1	137	23.22	23.26	23.23			
100	PI/2 BPSK	1	271	23.02	23.14	23.16	23.5	0.5	
100	PI/2 BPSK	135	0	22.79	22.78	22.66			
100	PI/2 BPSK	135	69	23.04	23.19	23.08	24.0	0.0	
100	PI/2 BPSK	135	138	22.73	22.75	22.68			
100	PI/2 BPSK	270	0	22.53	22.72	22.63	23.5	0.5	
100	QPSK	1	1	23.21	23.33	23.25			
100	QPSK	1	137	23.06	23.17	23.00	24.0	0.0	
100	QPSK	1	271	23.21	23.23	23.16			
100	QPSK	135	0	22.20	22.22	22.07	23.0	1.0	
100	QPSK	135	69	23.06	23.14	23.02			
100	QPSK	135	138	22.21	22.21	22.22	23.0	1.0	
100	QPSK	270	0	22.06	22.14	22.02			
100	16QAM	1	1	22.34	22.42	22.39	23.0	1.0	
100	64QAM	1	1	20.69	20.86	20.71			
100	256QAM	1	1	18.47	18.61	18.56	19.5 4.5		
Channel				508200	518598	528998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	23.20	23.17	23.13	24.0 0.0		
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	23.15	23.24	23.23	24.0 0.0		
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	23.12	23.27	23.16	24.0 0.0		
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	23.14	23.25	23.23	24.0 0.0		
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	23.04	23.31	23.11	24.0 0.0		
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	23.23	23.15	23.15	24.0 0.0		
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	23.08	23.31	23.16	24.0 0.0		
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	23.13	23.32	23.20	24.0 0.0		

n41 Ant0 DSI2 Standalone&Simultaneous PC2									
BW [MHz]	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	27.0	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	26.20	26.23	26.06	27.0	0.0	
100	PI/2 BPSK	1	137	26.01	26.18	26.04			
100	PI/2 BPSK	1	271	26.29	26.27	26.19	26.5	0.5	
100	PI/2 BPSK	135	0	26.08	26.13	25.98			
100	PI/2 BPSK	135	69	26.15	26.21	26.19	27.0	0.0	
100	PI/2 BPSK	135	138	26.20	26.18	26.05			
100	PI/2 BPSK	270	0	25.99	26.18	25.97	26.5	0.5	
100	QPSK	1	1	26.22	26.32	26.21			
100	QPSK	1	137	26.15	26.21	26.19	27.0	0.0	
100	QPSK	1	271	26.14	26.24	26.09			
100	QPSK	135	0	25.73	25.78	25.59	26.0	1.0	
100	QPSK	135	69	26.11	26.15	26.07			
100	QPSK	135	138	25.86	25.86	25.77	26.0	1.0	
100	QPSK	270	0	25.62	25.73	25.60			
100	16QAM	1	1	25.75	25.91	25.86	26.0	1.0	
100	64QAM	1	1	24.31	24.35	24.27		24.5 2.5	
100	256QAM	1	1	22.03	22.11	21.99	22.5 4.5		
Channel				508200	518598	528998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	26.16	26.18	26.08	27.0	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	26.13	26.14	26.08	27.0	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	26.11	26.24	26.12	27.0	0.0	
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	26.18	26.26	26.22	27.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	26.11	26.26	26.06	27.0	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	26.19	26.26	26.05	27.0	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	26.05	26.26	26.15	27.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	26.02	26.29	26.03	27.0	0.0	



n2 Ant1 DSI2 Standalone 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				1660	1680	1600			
Frequency (MHz)				15.60	15.69	15.69			
20	Pl2 BPSK	1	1	15.60	15.69	15.69			
20	Pl2 BPSK	1	53	15.43	15.55	15.45	16.9		
20	Pl2 BPSK	1	104	15.39	15.46	15.36			
20	Pl2 BPSK	50	0	15.43	15.53	15.39	16.9		
20	Pl2 BPSK	50	26	15.37	15.48	15.35	16.9		
20	Pl2 BPSK	50	56	15.29	15.42	15.28			
20	Pl2 BPSK	100	0	15.34	15.47	15.42	16.9		
20	QPSK	1	1	15.69	15.71	15.51			
20	QPSK	1	53	15.51	15.56	15.48	16.9		
20	QPSK	1	104	15.32	15.47	15.39			
20	QPSK	50	0	15.44	15.47	15.41	16.9		
20	QPSK	50	26	15.41	15.49	15.37	16.9		
20	QPSK	50	56	15.30	15.43	15.31			
20	QPSK	100	0	15.34	15.46	15.37			
20	16QAM	1	1	15.47	15.59	15.53	16.9		
20	64QAM	1	1	15.43	15.52	15.41	16.9		
20	256QAM	1	1	15.47	15.58	15.43	16.9		
Channel				371900	376000	380500	Tune-up limit	MPR	
Frequency (MHz)				1827.5	1880	1902.5	(dBm)	(dB)	
16	QPSK	1	1	15.65	15.69	15.68	16.9		
Channel				371000	376000	381000	Tune-up limit	MPR	
Frequency (MHz)				1865	1880	1905	(dBm)	(dB)	
10	QPSK	1	1	15.64	15.70	15.67	16.9		
Channel				371000	371000	371000	Tune-up limit	MPR	
Frequency (MHz)				1862.5	1880	1907.5	(dBm)	(dB)	
5	QPSK	1	1	15.59	15.67	15.53	16.9		

n5 Ant1 DSI2 Standalone 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	167600			
Frequency (MHz)				163.1	166.5	167.9			
20	Pl2 BPSK	1	1	22.07	22.21	22.15			
20	Pl2 BPSK	1	53	22.86	22.95	22.79	24.0		
20	Pl2 BPSK	1	104	22.92	22.98	22.86			
20	Pl2 BPSK	50	0	22.97	23.05	22.87	24.0		
20	Pl2 BPSK	50	26	23.05	23.01	23.01	24.0		
20	Pl2 BPSK	50	56	22.89	23.05	22.97			
20	Pl2 BPSK	100	0	22.86	23.02	22.84	24.0		
20	QPSK	1	1	23.25	23.39	23.29			
20	QPSK	1	53	23.02	23.02	22.94	24.0		
20	QPSK	1	104	23.08	23.05	22.92			
20	QPSK	50	0	23.04	23.12	22.93	24.0		
20	QPSK	50	26	23.19	23.22	23.16	24.0		
20	QPSK	50	56	23.12	23.19	23.10			
20	QPSK	100	0	23.02	23.20	23.14	24.0		
20	16QAM	1	1	23.16	23.19	23.24	24.0		
20	64QAM	1	1	22.31	22.52	22.44	23.0		
20	256QAM	1	1	19.94	20.22	19.95	21.0		
Channel				166300	167300	168300	Tune-up limit	MPR	
Frequency (MHz)				163.5	166.5	167.5	(dBm)	(dB)	
16	QPSK	1	1	23.16	23.31	23.01	24.0		
Channel				162800	167300	168800	Tune-up limit	MPR	
Frequency (MHz)				1629	166.5	164	(dBm)	(dB)	
10	QPSK	1	1	23.06	23.28	23.22	24.0		
Channel				162300	167300	167300	Tune-up limit	MPR	
Frequency (MHz)				166.5	166.5	166.5	(dBm)	(dB)	
5	QPSK	1	1	23.20	23.25	23.10	24.0		

n7 Ant1 DSI2 Standalone 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				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	Pl2 BPSK	1	1	16.72	16.83	16.76			
40	Pl2 BPSK	1	108	16.59	16.65	16.56	18.2		
40	Pl2 BPSK	1	214	16.49	16.64	16.58			
40	Pl2 BPSK	108	0	16.58	16.69	16.56	18.2		
40	Pl2 BPSK	108	54	16.45	16.58	16.46	18.2		
40	Pl2 BPSK	108	108	16.54	16.67	16.56			
40	Pl2 BPSK	216	0	16.57	16.84	16.55	18.2		
40	QPSK	1	1	16.73	16.79	16.70			
40	QPSK	1	108	16.55	16.66	16.58	18.2		
40	QPSK	1	214	16.02	16.08	16.03			
40	QPSK	108	0	16.66	16.58	16.66	18.2		
40	QPSK	108	54	16.49	16.76	16.44	18.2		
40	QPSK	108	108	16.59	16.65	16.58			
40	QPSK	216	0	16.57	16.73	16.62	18.2		
40	16QAM	1	1	16.61	16.71	16.60	18.2		
40	64QAM	1	1	16.54	16.63	16.50	18.2		
40	256QAM	1	1	16.63	16.71	16.61	18.2		
Channel				508000	507000	511000	Tune-up limit	MPR	
Frequency (MHz)				2515	2535	2555	(dBm)	(dB)	
30	QPSK	1	1	16.59	16.62	16.55	18.2		
Channel				502000	507000	511500	Tune-up limit	MPR	
Frequency (MHz)				2512.5	2535	2557.5	(dBm)	(dB)	
25	QPSK	1	1	16.56	16.64	16.60	18.2		
Channel				502000	507000	512000	Tune-up limit	MPR	
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)	
20	QPSK	1	1	16.51	16.70	16.57	18.2		
Channel				507000	507000	512500	Tune-up limit	MPR	
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)	
15	QPSK	1	1	16.61	16.68	16.53	18.2		
Channel				507000	507000	513000	Tune-up limit	MPR	
Frequency (MHz)				2566	2535	2565	(dBm)	(dB)	
10	QPSK	1	1	16.58	16.63	16.58	18.2		
Channel				506500	507000	513500	Tune-up limit	MPR	
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)	
5	QPSK	1	1	16.53	16.65	16.57	18.2		



n25 Ant1 DSI2 Standalone Power							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel				372000	376500	381000	
Frequency (MHz)				1860	1862.5	1905	
20	PI2 BPSK	1	1	15.64	15.79	15.71	
20	PI2 BPSK	1	53	15.49	15.55	15.40	16.9
20	PI2 BPSK	1	104	15.48	15.59	15.48	
20	PI2 BPSK	50	0	15.46	15.57	15.45	16.9
20	PI2 BPSK	50	28	15.45	15.55	15.50	16.9
20	PI2 BPSK	50	56	15.44	15.59	15.52	16.9
20	PI2 BPSK	100	0	15.50	15.64	15.56	16.9
20	QPSK	1	1	15.85	15.89	15.79	
20	QPSK	1	53	15.50	15.57	15.46	16.9
20	QPSK	1	104	15.54	15.63	15.48	
20	QPSK	50	0	15.47	15.55	15.56	16.9
20	QPSK	50	28	15.45	15.62	15.50	16.9
20	QPSK	50	56	15.49	15.56	15.41	16.9
20	QPSK	100	0	15.50	15.61	15.55	16.9
20	16QAM	1	1	15.55	15.63	15.56	16.9
20	64QAM	1	1	15.49	15.60	15.54	16.9
20	256QAM	1	1	15.62	15.67	15.58	16.9
Channel				371500	376500	381500	
Frequency (MHz)				1857.5	1862.5	1907.5	
15	QPSK	1	1	15.72	15.84	15.81	16.9
Channel				371000	376500	382000	
Frequency (MHz)				1865	1862.5	1910	
10	QPSK	1	1	15.69	15.90	15.75	16.9
Channel				370500	376500	382500	
Frequency (MHz)				1862.5	1862.5	1912.5	
5	QPSK	1	1	15.77	15.87	15.84	16.9

n30 Ant1 DSI2 Standalone Power							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel				461500	465000	468500	
Frequency (MHz)				2310			
10	PI2 BPSK	1	1	17.54			
10	PI2 BPSK	1	26	17.56			19.0
10	PI2 BPSK	1	50	17.57			
10	PI2 BPSK	25	0	17.67			19.0
10	PI2 BPSK	25	14	17.60			19.0
10	PI2 BPSK	25	27	17.59			19.0
10	PI2 BPSK	50	0	17.69			19.0
10	QPSK	1	1	17.75			
10	QPSK	1	26	17.51			19.0
10	QPSK	1	50	17.58			
10	QPSK	25	0	17.43			19.0
10	QPSK	25	14	17.53			19.0
10	QPSK	25	27	17.34			19.0
10	QPSK	50	0	17.47			19.0
10	16QAM	1	1	17.49			19.0
10	64QAM	1	1	17.71			19.0
10	256QAM	1	1	17.40			19.0
Channel				461500	465000	468500	
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	1	17.36	17.41	17.43	19.0

n66 Ant1 DSI2 Standalone Power							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel				346000	349000	352000	
Frequency (MHz)				1720	1745	1760	
40	PI2 BPSK	1	1	16.19	16.29	16.24	
40	PI2 BPSK	1	108	15.96	16.11	16.26	17.8
40	PI2 BPSK	1	214	16.12	16.20	16.29	
40	PI2 BPSK	108	0	16.29	16.36	16.10	17.8
40	PI2 BPSK	108	54	16.40	16.27	16.22	17.8
40	PI2 BPSK	108	108	16.16	16.23	16.11	17.8
40	PI2 BPSK	216	0	16.33	16.30	16.40	
40	QPSK	1	1	16.44	16.56	16.41	
40	QPSK	1	108	16.21	16.29	16.30	17.8
40	QPSK	1	214	16.31	16.18	16.25	
40	QPSK	108	0	16.16	16.18	16.15	17.8
40	QPSK	108	54	16.21	16.45	16.39	17.8
40	QPSK	108	108	16.35	16.25	16.29	
40	QPSK	216	0	16.34	16.39	16.36	17.8
40	16QAM	1	1	16.11	16.17	16.04	17.8
40	64QAM	1	1	16.22	16.25	16.12	17.8
40	256QAM	1	1	16.11	16.15	16.22	17.8
Channel				345000	349000	353000	
Frequency (MHz)				1725	1745	1765	
30	QPSK	1	1	16.04	16.17	16.03	17.8
Channel				344000	349000	354000	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	1	16.04	16.20	16.02	17.8
Channel				343000	349000	355000	
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	1	16.09	16.14	16.06	17.8
Channel				342000	349000	356000	
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	1	16.08	16.18	16.05	17.8
Channel				341000	349000	357000	
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	16.08	16.16	16.04	17.8

n71 Ant1 DSI2 Standalone Power								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 134600	Power Middle Ch. / Freq. 136100	Power High Ch. / Freq. 137600	Tune-up limit (dBm)	MPR (dB)
Channel				675	680.5	685		
Frequency (MHz)								
20	PI2 BPSK	1	1	22.60	22.78	22.79		
20	PI2 BPSK	1	53	22.65	22.87	22.79	24.0	0.0
20	PI2 BPSK	1	104	22.63	22.65	22.55		
20	PI2 BPSK	50	0	22.64	22.84	22.85	24.0	0.0
20	PI2 BPSK	50	24	22.67	22.88	22.77	24.0	0.0
20	PI2 BPSK	50	56	22.80	22.81	22.61	24.0	0.0
20	PI2 BPSK	100	0	22.69	22.86	22.65		
20	QPSK	1	1	22.73	22.82	22.86		
20	QPSK	1	53	22.81	22.85	22.78	24.0	0.0
20	QPSK	1	104	22.61	22.67	22.65		
20	QPSK	50	0	22.80	22.83	22.81	24.0	0.0
20	QPSK	50	28	22.75	22.87	22.71	24.0	0.0
20	QPSK	50	56	22.81	22.81	22.81	24.0	0.0
20	QPSK	100	0	22.68	22.83	22.68		
20	16QAM	1	1	22.70	22.86	22.69	24.0	0.0
20	64QAM	1	1	22.19	22.28	22.11	23.0	1.0
20	256QAM	1	1	20.05	20.05	20.00	21.0	3.0
Channel				134100	136100	138100	Tune-up limit	MPR
Frequency (MHz)				670.5	680.5	690.5	(dBm)	(dB)
15	QPSK	1	1	22.71	22.88	22.68	24.0	0.0
Channel				135000	136100	136600	Tune-up limit	MPR
Frequency (MHz)				668	680.5	693	(dBm)	(dB)
10	QPSK	1	1	22.56	22.84	22.73	24.0	0.0
Channel				137100	137500	137800	Tune-up limit	MPR
Frequency (MHz)				686.5	690.5	695.5	(dBm)	(dB)
5	QPSK	1	1	22.59	22.84	22.70	24.0	0.0



n2 Ant1 DSI2 Simultaneous 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)				372000	376000	380000			
20	Pl2 BPSK	1	1	14.36	14.48	14.42			
20	Pl2 BPSK	1	53	14.10	14.21	14.06	15.6		
20	Pl2 BPSK	1	104	14.14	14.27	14.17			
20	Pl2 BPSK	50	0	14.07	14.18	14.08	15.6		
20	Pl2 BPSK	50	26	14.01	14.14	14.07	15.6		
20	Pl2 BPSK	50	56	14.06	14.14	14.01			
20	Pl2 BPSK	100	0	14.11	14.19	14.09	15.6		
20	QPSK	1	1	14.30	14.56	14.45			
20	QPSK	1	53	14.09	14.17	14.05	15.6		
20	QPSK	1	104	14.19	14.25	14.19			
20	QPSK	50	0	14.12	14.16	14.19	15.6		
20	QPSK	50	26	14.07	14.27	14.06	15.6		
20	QPSK	50	56	14.02	14.10	14.04			
20	QPSK	100	0	14.14	14.28	14.14	15.6		
20	16QAM	1	1	14.15	14.26	14.11	15.6		
20	64QAM	1	1	14.12	14.24	14.10	15.6		
20	256QAM	1	1	14.15	14.28	14.18	15.6		
Channel				1887.5	1980	1992.5	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1887.5	1980	1992.5			
16	QPSK	1	1	14.26	14.40	14.29	15.6		
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				371000	376000	381000			
10	QPSK	1	1	14.24	14.38	14.35	15.6		
Channel				1802.5	1880	1907.5	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1802.5	1880	1907.5			
5	QPSK	1	1	14.25	14.33	14.34	15.6		

n5 Ant1 DSI2 Simultaneous 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)				166800	167300	167800			
20	Pl2 BPSK	1	1	23.07	23.21	23.15			
20	Pl2 BPSK	1	53	22.86	22.95	22.79	24.0	0.0	
20	Pl2 BPSK	1	104	22.92	22.98	22.86			
20	Pl2 BPSK	50	0	22.97	23.05	22.87	24.0		
20	Pl2 BPSK	50	26	23.05	23.01	23.01	24.0		
20	Pl2 BPSK	50	56	22.89	23.05	22.97	24.0		
20	Pl2 BPSK	100	0	22.86	23.02	22.84	24.0		
20	QPSK	1	1	23.25	23.39	23.29			
20	QPSK	1	53	23.02	23.02	22.94	24.0		
20	QPSK	1	104	23.08	23.05	22.92			
20	QPSK	50	0	23.04	23.12	22.93	24.0		
20	QPSK	50	26	23.19	23.22	23.16	24.0		
20	QPSK	50	56	23.12	23.19	23.10			
20	QPSK	100	0	23.02	23.20	23.14	24.0		
20	16QAM	1	1	23.16	23.19	23.24	24.0		
20	64QAM	1	1	22.31	22.52	22.44	23.0		
20	256QAM	1	1	19.94	20.22	19.96	21.0	3.0	
Channel									
Frequency (MHz)				831.5	836.5	841.5			
16	QPSK	1	1	23.16	23.31	23.01	24.0	0.0	
Channel									
Frequency (MHz)				16500	165300	165600	Tune-up limit (dBm)	MPR (dB)	
8	QPSK	1	1	836.5	836.5	844	24.0	0.0	
Channel									
Frequency (MHz)				1 <th>23.06</th> <th>23.28</th> <th>23.22<td colspan="2">24.0</td></th>	23.06	23.28	23.22 <td colspan="2">24.0</td>	24.0	
Channel									
Frequency (MHz)				16300	162300	161600	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	836.5	836.5	844.5	24.0	0.0	
5	QPSK	1	1	23.20	23.25	23.10	24.0		

n7 Ant1 DS12 Simultaneous 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)				506000	507000	510000			
40	Pl2 BPSK	1	1	15.56	15.71	15.68			
40	Pl2 BPSK	1	108	15.26	15.59	15.57	16.9		
40	Pl2 BPSK	1	214	15.47	15.54	15.44			
40	Pl2 BPSK	108	0	15.43	15.40	15.33	16.9		
40	Pl2 BPSK	108	54	15.38	15.43	15.38	16.9		
40	Pl2 BPSK	108	108	15.32	15.55	15.30			
40	Pl2 BPSK	216	0	15.40	15.61	15.41	16.9		
40	QPSK	1	1	15.78	15.79	15.67			
40	QPSK	1	108	15.31	15.63	15.28	16.9		
40	QPSK	1	214	15.38	15.60	15.40			
40	QPSK	108	0	15.41	15.44	15.37	16.9		
40	QPSK	108	54	15.45	15.56	15.34	16.9		
40	QPSK	108	108	15.35	15.46	15.42			
40	QPSK	216	0	15.47	15.51	15.48	16.9		
40	16QAM	1	1	15.48	15.56	15.47	16.9		
40	64QAM	1	1	15.53	15.77	15.72	16.9		
40	256QAM	1	1	15.51	15.50	15.52	16.9		
Channel									
Frequency (MHz)				2515	2535	2555	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	16.49	16.62	16.55	16.9		
Channel									
Frequency (MHz)				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	16.46	16.64	16.60	16.9		
Channel									
Frequency (MHz)				509000	509000	512000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	16.41	16.70	16.57	16.9		
Channel									
Frequency (MHz)				507000	507000	512500	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	16.61	16.68	16.53	16.9		
Channel									
Frequency (MHz)				507000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	16.58	16.63	16.58	16.9		
Channel									
Frequency (MHz)				506500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	16.53	16.65	16.57	16.9		



n25 Ant1 DSI2 Simultaneous 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				372000	376500	381000			
Frequency (MHz)				1860	1862.5	1905			
20	PI2 BPSK	1	1	14.47	14.61	14.54	15.6	0.0	
20	PI2 BPSK	1	53	14.20	14.33	14.26			
20	PI2 BPSK	1	104	14.33	14.42	14.30			
20	PI2 BPSK	50	0	14.18	14.31	14.24	15.6	0.0	
20	PI2 BPSK	50	28	14.15	14.33	14.21	15.6	0.0	
20	PI2 BPSK	50	56	14.23	14.30	14.20	15.6	0.0	
20	PI2 BPSK	100	0	14.29	14.36	14.22	15.6	0.0	
20	QPSK	1	1	14.63	14.65	14.60			
20	QPSK	1	53	14.30	14.40	14.32			
20	QPSK	1	104	14.23	14.38	14.31	15.6	0.0	
20	QPSK	50	0	14.29	14.30	14.25			
20	QPSK	50	28	14.16	14.37	14.25			
20	QPSK	50	56	14.13	14.26	14.19	15.6	0.0	
20	QPSK	100	0	14.22	14.33	14.23			
20	16QAM	1	1	14.30	14.37	14.31	15.6	0.0	
20	64QAM	1	1	14.31	14.40	14.26	15.6	0.0	
20	256QAM	1	1	14.32	14.42	14.29	15.6	0.0	
Channel				371500	376500	381500	Tune-up limit	MPR	
Frequency (MHz)				1857.5	1862.5	1907.5	(dBm)	(dB)	
15	QPSK	1	1	13.82	13.70	13.80	15.6	0.0	
Channel				371000	376500	382000	Tune-up limit	MPR	
Frequency (MHz)				1865	1862.5	1910	(dBm)	(dB)	
10	QPSK	1	1	13.85	13.68	13.61	15.6	0.0	
Channel				370500	376500	382500	Tune-up limit	MPR	
Frequency (MHz)				1862.5	1862.5	1912.5	(dBm)	(dB)	
5	QPSK	1	1	13.80	13.61	13.86	15.6	0.0	

n30 Ant1 DSI2 Simultaneous 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				465000	465000	465000			
Frequency (MHz)				2310	2310	2310			
10	PI2 BPSK	1	1	16.08	16.08	16.08	17.5	0.0	
10	PI2 BPSK	1	26	15.70	15.70	15.70			
10	PI2 BPSK	1	50	15.73	15.73	15.73			
10	PI2 BPSK	25	0	15.82	15.82	15.82	17.5	0.0	
10	PI2 BPSK	25	14	15.74	15.74	15.74	17.5	0.0	
10	PI2 BPSK	25	27	15.64	15.64	15.64	17.5	0.0	
10	PI2 BPSK	50	0	15.81	15.81	15.81	17.5	0.0	
10	QPSK	1	1	16.13	16.13	16.13			
10	QPSK	1	26	15.83	15.83	15.83			
10	QPSK	1	50	15.77	15.77	15.77	17.5	0.0	
10	QPSK	25	0	15.74	15.74	15.74			
10	QPSK	25	14	15.86	15.86	15.86			
10	QPSK	25	27	15.65	15.65	15.65	17.5	0.0	
10	QPSK	50	0	15.86	15.86	15.86			
10	16QAM	1	1	15.76	15.76	15.76	17.5	0.0	
10	64QAM	1	1	15.87	15.87	15.87	17.5	0.0	
10	256QAM	1	1	15.78	15.78	15.78	17.5	0.0	
Channel				461500	462000	462500	Tune-up limit	MPR	
Frequency (MHz)				2307.5	2310	2312.5	(dBm)	(dB)	
5	QPSK	1	1	15.91	15.91	15.82	17.5	0.0	

n66 Ant1 DSI2 Simultaneous Power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1720	1745	1760			
40	PI2 BPSK	1	1	15.15	15.12	15.11	16.3	0.0	
40	PI2 BPSK	1	108	14.93	15.04	14.91			
40	PI2 BPSK	1	214	15.00	15.12	14.98			
40	PI2 BPSK	108	0	14.88	14.98	14.83	16.3	0.0	
40	PI2 BPSK	108	54	14.93	15.05	14.99	16.3	0.0	
40	PI2 BPSK	108	108	15.07	15.12	15.01	16.3	0.0	
40	PI2 BPSK	216	0	14.96	15.05	14.94			
40	QPSK	1	1	15.22	15.21	15.19			
40	QPSK	1	108	14.92	15.03	14.90	16.3	0.0	
40	QPSK	1	214	14.97	15.11	15.01			
40	QPSK	108	0	15.07	15.08	15.03			
40	QPSK	108	54	15.09	15.21	15.11	16.3	0.0	
40	QPSK	108	108	14.98	15.05	14.91	16.3	0.0	
40	QPSK	216	0	14.99	15.10	15.03			
40	16QAM	1	1	14.89	14.99	14.92	16.3	0.0	
40	64QAM	1	1	14.92	15.05	14.99	16.3	0.0	
40	256QAM	1	1	14.98	15.03	14.93	16.3	0.0	
Channel				345000	349000	353000	Tune-up limit	MPR	
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)	
30	QPSK	1	1	15.07	15.12	14.99	16.3	0.0	
Channel				344000	349000	354000	Tune-up limit	MPR	
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)	
20	QPSK	1	1	15.04	15.17	15.03	16.3	0.0	
Channel				343000	349000	355000	Tune-up limit	MPR	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)	
15	QPSK	1	1	15.05	15.09	15.03	16.3	0.0	
Channel				342000	349000	356000	Tune-up limit	MPR	
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)	
10	QPSK	1	1	15.08	15.10	14.97	16.3	0.0	
Channel				342000	349000	355000	Tune-up limit	MPR	
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)	
5	QPSK	1	1	15.05	15.16	14.98	16.3	0.0	

n71 Ant1 DSI2 Simultaneous Power								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 134600	Power Middle Ch. / Freq. 136100	Power High Ch. / Freq. 137600	Tune-up limit (dbm)	MPR (db)
Channel				675	680.5	685		
Frequency (MHz)								
20	PI2 BPSK	1	1	22.60	22.78	22.79	24.0	0.0
20	PI2 BPSK	1	53	22.65	22.87	22.79		
20	PI2 BPSK	1	104	22.63	22.65	22.55		
20	PI2 BPSK	50	0	22.64	22.84	22.85	24.0	0.0
20	PI2 BPSK	50	24	22.67	22.88	22.77	24.0	0.0
20	PI2 BPSK	50	56	22.80	22.81	22.61	24.0	0.0
20	PI2 BPSK	100	0	22.69	22.86	22.65	24.0	0.0
20	QPSK	1	1	22.73	22.82	22.86		
20	QPSK	1	53	22.81	22.85	22.78		
20	QPSK	1	104	22.61	22.67	22.65	24.0	0.0
20	QPSK	50	0	22.80	22.83	22.81		
20	QPSK	50	28	22.75	22.87	22.71		
20	QPSK	50	56	22.81	22.81	22.81	24.0	0.0
20	QPSK	100	0	22.68	22.83	22.68	24.0	0.0
20	16QAM	1	1	22.70	22.86	22.69		
20	64QAM	1	1	22.19	22.25	22.11	23.0	1.0
20	256QAM	1	1	20.03	20.05	20.00	21.0	3.0
Channel				134100	136100	138100	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.71	22.88	22.68	24.0	0.0
Channel				135000	136100	136600	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	22.56	22.84	22.73	24.0	0.0
Channel				137100	137500	137800	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				685.5	690.5	695.5		
5	QPSK	1	1	22.59	22.84	22.70	24.0	0.0

n41 PC3 Ant1 DSI2 Standalone 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	18.8	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	17.46	17.46	17.34	18.8	0.0	
100	PI/2 BPSK	1	137	17.49	17.46	17.41			
100	PI/2 BPSK	1	271	17.49	17.46	17.29	18.8	0.0	
100	PI/2 BPSK	135	0	17.40	17.47	17.33			
100	PI/2 BPSK	135	69	17.34	17.44	17.35	18.8	0.0	
100	PI/2 BPSK	135	138	17.40	17.46	17.44			
100	PI/2 BPSK	270	0	17.42	17.37	17.29	18.8	0.0	
100	QPSK	1	1	17.54	17.59	17.45			
100	QPSK	1	137	17.45	17.52	17.27	18.8	0.0	
100	QPSK	1	271	17.44	17.47	17.30			
100	QPSK	135	0	17.49	17.45	17.34	18.8	0.0	
100	QPSK	135	69	17.42	17.53	17.40			
100	QPSK	135	138	17.51	17.52	17.32	18.8	0.0	
100	QPSK	270	0	17.36	17.44	17.26			
100	16QAM	1	1	17.45	17.45	17.32	18.8	0.0	
100	64QAM	1	1	17.56	17.51	17.28			
100	256QAM	1	1	17.37	17.37	17.36	18.8	0.0	
Channel				508200	518598	528998		MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	16.67	16.78	16.72	18.8	0.0	
Channel				507204	518598	529998		MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	16.73	16.75	16.74	18.8	0.0	
Channel				506202	518598	531000		MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	16.70	16.82	16.71	18.8	0.0	
Channel				505200	518598	531998		MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	16.73	16.76	16.69	18.8	0.0	
Channel				504204	518598	532998		MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	16.66	16.77	16.70	18.8	0.0	
Channel				503202	518598	534000		MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	16.64	16.83	16.70	18.8	0.0	
Channel				502200	518598	534998		MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	16.69	16.81	16.69	18.8	0.0	
Channel				501204	518598	535998		MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	16.65	16.83	16.66	18.8	0.0	
Channel				500200	518598	536998		MPR (dB)	
Frequency (MHz)				2501	2592.99	2674.98			

n41 PC2 Ant1 DSI2 Standalone 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	18.8	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	17.57	17.62	17.47	18.8	0.0	
100	PI/2 BPSK	1	137	17.60	17.67	17.50			
100	PI/2 BPSK	1	271	17.58	17.60	17.41	18.8	0.0	
100	PI/2 BPSK	135	0	17.55	17.57	17.44			
100	PI/2 BPSK	135	69	17.55	17.55	17.47	18.8	0.0	
100	PI/2 BPSK	135	138	17.56	17.56	17.53			
100	PI/2 BPSK	270	0	17.57	17.56	17.40	18.8	0.0	
100	QPSK	1	1	17.70	17.71	17.56			
100	QPSK	1	137	17.66	17.68	17.43	18.8	0.0	
100	QPSK	1	271	17.54	17.63	17.43			
100	QPSK	135	0	17.63	17.63	17.43	18.8	0.0	
100	QPSK	135	69	17.60	17.67	17.53			
100	QPSK	135	138	17.66	17.65	17.45	18.8	0.0	
100	QPSK	270	0	17.56	17.62	17.42			
100	16QAM	1	1	17.56	17.58	17.47	18.8	0.0	
100	64QAM	1	1	17.66	17.67	17.42			
100	256QAM	1	1	17.58	17.59	17.51	18.8	0.0	
Channel				508200	518598	528998		MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	17.56	17.57	17.50	18.8	0.0	
Channel				507204	518598	529998		MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	17.64	17.66	17.47	18.8	0.0	
Channel				506202	518598	531000		MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	17.60	17.67	17.50	18.8	0.0	
Channel				505200	518598	531998		MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	17.58	17.51	17.49	18.8	0.0	
Channel				504204	518598	532998		MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	17.64	17.64	17.46	18.8	0.0	
Channel				503202	518598	534000		MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	17.59	17.22	17.44	18.8	0.0	
Channel				502200	518598	534998		MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	17.62	17.62	17.41	18.8	0.0	
Channel				501204	518598	535998		MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	17.63	17.68	17.43	18.8	0.0	
Channel				500200	518598	536998		MPR (dB)	
Frequency (MHz)				2501	2592.99	2674.98			

n41 PC3 Ant1 DSI2 Simultaneous 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	2640		
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	15.93	15.93	15.89	17.5	0.0	
100	PI/2 BPSK	1	137	15.97	16.05	15.97			
100	PI/2 BPSK	1	271	15.95	16.02	15.88	17.5	0.0	
100	PI/2 BPSK	135	0	15.87	15.99	15.93			
100	PI/2 BPSK	135	69	15.96	15.99	16.03	17.5	0.0	
100	PI/2 BPSK	135	138	15.85	15.94	15.85			
100	PI/2 BPSK	270	0	15.90	15.97	15.90	17.5	0.0	
100	QPSK	1	1	16.01	16.08	15.98			
100	QPSK	1	137	15.95	15.96	15.99	17.5	0.0	
100	QPSK	1	271	15.96	16.03	15.96			
100	QPSK	135	0	15.95	16.01	15.93	17.5	0.0	
100	QPSK	135	69	15.89	16.07	15.95			
100	QPSK	135	138	15.89	15.99	15.92	17.5	0.0	
100	QPSK	270	0	15.88	16.00	15.93			
100	16QAM	1	1	15.93	15.96	15.97	17.5	0.0	
100	64QAM	1	1	15.83	15.98	15.87			
100	256QAM	1	1	15.90	16.03	15.94	17.5	0.0	
Channel				508200	518598	528998		Tune-up limit (dBm)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	15.56	15.63	15.61	17.5	0.0	
Channel				507204	518598	529998		Tune-up limit (dBm)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	15.52	15.70	15.64	17.5	0.0	
Channel				506202	518598	531000		Tune-up limit (dBm)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	15.57	15.64	15.63	17.5	0.0	
Channel				505200	518598	531998		Tune-up limit (dBm)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	15.58	15.61	15.60	17.5	0.0	
Channel				504204	518598	532998		Tune-up limit (dBm)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	15.52	15.65	15.60	17.5	0.0	
Channel				503202	518598	534000		Tune-up limit (dBm)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	15.59	15.65	15.62	17.5	0.0	
Channel				502200	518598	534998		Tune-up limit (dBm)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	15.52	15.65	15.62	17.5	0.0	
Channel				501204	518598	535998		Tune-up limit (dBm)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	15.58	15.60	15.68	17.5	0.0	
Channel									

n41 PC2 Ant1 DSI 2 Simultaneous 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	2640		
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	15.95	16.09	16.03	17.5	0.0	
100	PI/2 BPSK	1	137	15.89	16.01	15.89			
100	PI/2 BPSK	1	271	15.80	15.89	15.79	17.5	0.0	
100	PI/2 BPSK	135	0	15.83	15.96	15.84			
100	PI/2 BPSK	135	69	15.91	15.97	15.89	17.5	0.0	
100	PI/2 BPSK	135	138	15.85	15.90	15.78			
100	PI/2 BPSK	270	0	15.88	15.95	15.82	17.5	0.0	
100	QPSK	1	1	16.05	16.21	16.10			
100	QPSK	1	137	15.98	16.06	16.00	17.5	0.0	
100	QPSK	1	271	15.76	15.90	15.80			
100	QPSK	135	0	15.99	15.95	15.99	17.5	0.0	
100	QPSK	135	69	16.01	16.05	15.90			
100	QPSK	135	138	15.73	15.88	15.76	17.5	0.0	
100	QPSK	270	0	15.81	15.92	15.77			
100	16QAM	1	1	15.93	16.03	15.94	17.5	0.0	
100	64QAM	1	1	16.04	16.10	16.08			
100	256QAM	1	1	16.01	16.06	16.00	17.5	0.0	
Channel				508200	518598	528998		Tune-up limit (dBm)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	15.60	15.78	15.62	17.5	0.0	
Channel				507204	518598	529998		Tune-up limit (dBm)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	15.56	15.78	15.60	17.5	0.0	
Channel				506202	518598	531000		Tune-up limit (dBm)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	15.51	15.78	15.60	17.5	0.0	
Channel				505200	518598	531998		Tune-up limit (dBm)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	15.51	15.51	15.55	17.5	0.0	
Channel				504204	518598	532998		Tune-up limit (dBm)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	15.53	15.72	15.68	17.5	0.0	
Channel				503202	518598	534000		Tune-up limit (dBm)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	15.34	15.55	15.47	17.5	0.0	
Channel				502200	518598	534998		Tune-up limit (dBm)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	15.53	15.74	15.61	17.5	0.0	
Channel				501204	518598	535998		Tune-up limit (dBm)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	15.55	15.70	15.61	17.5	0.0	
Channel									



Par270 n77 PC3 Ant2 DS12 Standalone 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	650000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	19.32	19.50	19.41			
100	PI2 BPSK	1	137	19.53	19.46	19.41	20.6	0.0	
100	PI2 BPSK	1	271	19.49	19.62	19.46			
100	PI2 BPSK	135	0	19.37	19.30	19.33	20.6	0.0	
100	PI2 BPSK	135	69	19.40	19.40	19.33	20.6	0.0	
100	PI2 BPSK	135	138	19.39	19.32	19.37			
100	PI2 BPSK	270	0	19.47	19.32	19.26	20.6	0.0	
100	QPSK	1	1	19.55	19.68	19.54			
100	QPSK	1	137	19.20	19.34	19.29	20.6	0.0	
100	QPSK	1	271	19.50	19.47	19.30			
100	QPSK	135	0	19.27	19.31	19.36	20.6	0.0	
100	QPSK	135	69	19.14	19.37	19.21	20.6	0.0	
100	QPSK	135	138	19.34	19.36	19.32	20.6	0.0	
100	QPSK	270	0	19.31	19.32	19.29			
100	16QAM	1	1	19.38	19.34	19.24	20.6	0.0	
100	16QAM	1	1	19.46	19.35	19.27	20.6	0.0	
100	256QAM	1	1	17.96	18.01	17.97	19.5	1.1	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	19.44	19.51	19.40	20.6	0.0	
Channel				655111	655000	642693	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	19.44	19.40	19.36	20.6	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745	3840	3945			
70	QPSK	1	1	19.42	19.55	19.55	20.6	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	19.34	19.44	19.38	20.6	0.0	
Channel				645134	655000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	19.45	19.37	19.38	20.6	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	19.33	19.51	19.35	20.6	0.0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	19.32	19.45	19.39	20.6	0.0	
Channel				642134	655000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	19.36	19.42	19.45	20.6	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	22.58	22.74	22.54			
100	PI2 BPSK	1	137	22.70	22.78	22.70	23.6	0.0	
100	PI2 BPSK	1	271	22.57	22.82	22.49			
100	PI2 BPSK	135	0	22.47	22.76	22.41	23.6	0.0	
100	PI2 BPSK	135	69	22.57	22.69	22.62	23.6	0.0	
100	PI2 BPSK	135	138	22.64	22.82	22.47			
100	PI2 BPSK	270	0	22.65	22.79	22.46	23.6	0.0	
100	QPSK	1	1	22.69	22.88	22.66			
100	QPSK	1	137	22.51	22.71	22.58	23.6	0.0	
100	QPSK	1	271	22.46	22.73	22.47			
100	QPSK	135	0	22.72	22.75	22.80	23.6	0.0	
100	QPSK	135	69	22.73	22.76	22.44	23.6	0.0	
100	QPSK	135	138	22.70	22.72	22.52			
100	QPSK	270	0	22.45	22.69	22.41	23.6	0.0	
100	16QAM	1	1	22.48	22.84	22.57	23.6	0.0	
100	16QAM	1	1	22.48	22.72	22.51	23.6	0.0	
100	256QAM	1	1	21.21	21.26	21.21	23.0	0.6	
Channel				648668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	22.55	22.84	22.64	23.6	0.0	
Channel				649334	655000	642693	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	22.62	22.66	22.53	23.6	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745	3840	3945			
70	QPSK	1	1	22.70	22.80	22.54	23.6	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	22.67	22.76	22.65	23.6	0.0	
Channel				645134	655000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	22.50	22.80	22.61	23.6	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	22.62	22.81	22.62	23.6	0.0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	22.62	22.82	22.48	23.6	0.0	
Channel				642134	655000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	22.44	22.76	22.53	23.6	0.0	

Par27Q n77 PC3 Ant2 DS12 Standalone 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	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3500.01	3500.01				
100	PI2 BPSK	1	1		19.38				
100	PI2 BPSK	1	137		19.40		20.6	0.0	
100	PI2 BPSK	1	271		19.47				
100	PI2 BPSK	135	0		19.23				
100	PI2 BPSK	135	69		19.32		20.6	0.0	
100	PI2 BPSK	135	138		19.29				
100	PI2 BPSK	270	0		19.24		20.6	0.0	
100	QPSK	1	1		19.63				
100	QPSK	1	137		19.19		20.6	0.0	
100	QPSK	1	271		19.44				
100	QPSK	135	0		19.23				
100	QPSK	135	69		19.51		20.6	0.0	
100	QPSK	135	138		19.22				
100	QPSK	270	0		19.31		20.6	0.0	
100	16QAM	1	1		19.31		20.6	0.0	
100	16QAM	1	1		19.26		20.6	0.0	
100	256QAM	1	1		18.50		20.6	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		18.85	18.91	18.90	20.6	0.0
Channel				632000	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		18.83	18.89	18.92	20.6	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		18.85	18.84	18.90	20.6	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		18.89	18.92	18.89	20.6	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		18.85	18.83	18.90	20.6	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		18.58	18.86	18.89	20.6	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		18.86	18.84	18.86	20.6	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		18.82	18.82	18.87	20.6	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		3500.01			
Frequency (MHz)				3500.01					
100	Pt2 BPSK	1	1		22.60		23.6	0.0	
100	Pt2 BPSK	1	137		22.72				
100	Pt2 BPSK	1	271		22.76				
100	Pt2 BPSK	135	0		22.61		20.1	3.5	
100	Pt2 BPSK	135	66		22.58		23.6	0.0	
100	Pt2 BPSK	135	138		22.68		20.1	3.5	
100	Pt2 BPSK	270	0		22.70		23.6	0.0	
100	QPSK	1	1		22.71		23.6	0.0	
100	QPSK	1	137		22.63				
100	QPSK	1	271		22.82		20.1	3.5	
100	QPSK	135	0		22.70				
100	QPSK	135	66		22.71		23.6	0.0	
100	QPSK	135	138		22.67		20.1	3.5	
100	QPSK	270	0		22.58		23.6	0.0	
100	16QAM	1	1		22.75		23.6	0.0	
100	64QAM	1	1		22.60		23.6	0.0	
100	256QAM	1	1		20.84		22.5	1.1	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485	3500.01	3505.02			
90	QPSK	1	1		22.57	22.64	22.58	23.6	0.0
Channel				632669	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3500.01	3510			
80	QPSK	1	1		22.51	22.57	22.43	23.6	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3486.01	3500.01	3515.01			
70	QPSK	1	1		22.50	22.51	22.46	23.6	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		22.48	22.58	22.43	23.6	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3522			
50	QPSK	1	1		22.43	22.55	22.48	23.6	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		22.43	22.54	22.46	23.6	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		22.50	22.52	22.52	23.6	0.0
Channel				6305.03	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		22.48	22.59	22.49	23.6	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid. Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	Pt2 BPSK	1	1		19.22				
100	Pt2 BPSK	1	137		19.17		20.6	0.0	
100	Pt2 BPSK	1	271		19.25				
100	Pt2 BPSK	135	0		19.11		20.6	0.0	
100	Pt2 BPSK	135	69		19.09		20.6	0.0	
100	Pt2 BPSK	135	138		19.03		20.6	0.0	
100	Pt2 BPSK	270	0		19.22		20.6	0.0	
100	QPSK	1	1		19.39				
100	QPSK	1	137		19.03		20.6	0.0	
100	QPSK	1	271		19.28				
100	QPSK	135	0		19.01		20.6	0.0	
100	QPSK	135	69		19.25		20.6	0.0	
100	QPSK	135	138		19.11		20.6	0.0	
100	QPSK	270	0		19.12				
100	16QAM	1	1		19.02		20.6	0.0	
100	64QAM	1	1		19.06		20.6	0.0	
100	256QAM	1	1		19.02		20.6	0.0	
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		19.19	19.24	19.04	20.6	0.0
Channel				648334	650000	650568	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		19.19	19.25	19.07	20.6	0.0
Channel				648000	650000	651080	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3738	3750	3762			
70	QPSK	1	1		19.19	19.31	19.13	20.6	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		19.12	19.23	19.13	20.6	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		19.17	19.30	19.15	20.6	0.0
Channel				648000	650000	652080	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3728	3750	3782			
40	QPSK	1	1		19.20	19.19	19.05	20.6	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		19.19	19.34	19.05	20.6	0.0
Channel				648334	650000	652568	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		19.19	19.34	19.06	20.6	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	Pt2 BPSK	1	1		22.86				
100	Pt2 BPSK	1	137		22.61		23.6	0.0	
100	Pt2 BPSK	1	271		22.57				
100	Pt2 BPSK	135	0		22.72		23.6	0.0	
100	Pt2 BPSK	135	69		22.61		23.6	0.0	
100	Pt2 BPSK	135	138		22.63		23.6	0.0	
100	Pt2 BPSK	270	0		22.58				
100	QPSK	1	1		22.75				
100	QPSK	1	137		22.67		23.6	0.0	
100	QPSK	1	271		22.70				
100	QPSK	135	0		22.68		23.6	0.0	
100	QPSK	135	69		22.71		23.6	0.0	
100	QPSK	135	138		22.65		23.6	0.0	
100	QPSK	270	0		22.69				
100	16QAM	1	1		22.85		23.6	0.0	
100	64QAM	1	1		22.62		23.6	0.0	
100	256QAM	1	1		21.39		23.0	0.6	
Channel				648668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1		22.50	22.67	22.48	23.6	0.0
Channel				648334	650000	650568	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1		22.63	22.61	22.44	23.6	0.0
Channel				648000	650000	651080	Tune-up limit	MPR	
Frequency (MHz)				3738	3750	3762	(dBm)	(dB)	
70	QPSK	1	1		22.36	22.62	22.51	23.6	0.0
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1		22.51	22.60	22.38	23.6	0.0
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1		22.50	22.58	22.40	23.6	0.0
Channel				648000	650000	652080	Tune-up limit	MPR	
Frequency (MHz)				3728	3750	3782	(dBm)	(dB)	
40	QPSK	1	1		22.44	22.63	22.41	23.6	0.0
Channel				647668	650000	652334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	1		22.56	22.70	22.56	23.6	0.0
Channel				648334	650000	652568	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1		22.39	22.55	22.38	23.6	0.0



Par27Q n78 PC3 Ant2 DSI2 Standalone 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	PI2 BPSK	1	1		19.19				
100	PI2 BPSK	1	137		19.03		20.6	0.0	
100	PI2 BPSK	1	271		19.21				
100	PI2 BPSK	135	0		18.98				
100	PI2 BPSK	135	69		18.94		20.6	0.0	
100	PI2 BPSK	135	138		18.98				
100	PI2 BPSK	270	0		18.13		20.6	0.0	
100	QPSK	1	1		19.25				
100	QPSK	1	137		18.89		20.6	0.0	
100	QPSK	1	271		19.10				
100	QPSK	135	0		18.94				
100	QPSK	135	69		19.16		20.6	0.0	
100	QPSK	135	138		19.00				
100	QPSK	270	0		19.00		20.6	0.0	
100	16QAM	1	1		18.96		20.6	0.0	
100	64QAM	1	1		18.97		20.6	0.0	
100	256QAM	1	1		18.93		20.0	1.1	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	18.57	18.53	18.61	20.6	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	18.49	18.53	18.52	20.6	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	18.44	18.62	18.60	20.6	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	18.43	18.60	18.56	20.6	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	18.48	18.57	18.61	20.6	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	18.52	18.58	18.52	20.6	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	18.44	18.58	18.55	20.6	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	18.43	18.56	18.60	20.6	0.0	

Par27Q n78 PC3 Ant2 DSI2 Standalone 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	PI2 BPSK	1	1		22.58				
100	PI2 BPSK	1	137		22.48		23.6	0.0	
100	PI2 BPSK	1	271		22.53				
100	PI2 BPSK	135	0		22.60		20.1	3.5	
100	PI2 BPSK	135	69		22.50		23.6	0.0	
100	PI2 BPSK	135	138		22.56		20.1	3.5	
100	PI2 BPSK	270	0		22.42		23.6	0.0	
100	QPSK	1	1		22.97		23.6	0.0	
100	QPSK	1	137		22.56				
100	QPSK	1	271		22.64		20.1	3.5	
100	QPSK	135	0		22.59		23.6	0.0	
100	QPSK	135	69		22.94		23.6	0.0	
100	QPSK	135	138		22.55		20.1	3.5	
100	QPSK	270	0		22.66		23.6	0.0	
100	16QAM	1	1		22.50		23.6	0.0	
100	64QAM	1	1		22.46		23.6	0.0	
100	256QAM	1	1		21.31		22.5	1.1	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	22.16	22.31	22.16	23.6	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	22.29	22.26	22.30	23.6	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	22.22	22.30	22.20	23.6	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	22.21	22.34	22.16	23.6	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	22.28	22.22	22.21	23.6	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	22.22	22.27	22.21	23.6	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	22.26	22.36	22.23	23.6	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	22.20	22.22	22.21	23.6	0.0	



Par270 n77 PC3 Ant2 DSI2 Simultaneous 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	650000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	17.79	17.88	17.53			
100	PI2 BPSK	1	137	17.80	17.82	17.88	19.3	0.0	
100	PI2 BPSK	1	271	17.83	17.99	17.94			
100	PI2 BPSK	135	0	17.73	17.85	17.67	19.3	0.0	
100	PI2 BPSK	135	69	17.64	17.98	17.70	19.3	0.0	
100	PI2 BPSK	135	138	17.62	17.97	17.63			
100	PI2 BPSK	270	0	17.69	17.90	17.79	19.3	0.0	
100	QPSK	1	1	17.95	18.05	17.88			
100	QPSK	1	137	17.92	17.80	17.98	19.3	0.0	
100	QPSK	1	271	17.99	17.79	17.90			
100	QPSK	135	0	17.49	17.72	17.71	19.3	0.0	
100	QPSK	135	69	17.80	17.92	17.82	19.3	0.0	
100	QPSK	135	138	17.64	17.77	17.81			
100	QPSK	270	0	17.78	17.91	17.70	19.3	0.0	
100	16QAM	1	1	17.86	17.95	17.99	19.3	0.0	
100	16QAM	1	1	17.69	17.86	17.79	19.3	0.0	
100	256QAM	1	1	17.66	17.71	17.67	19.3	0.0	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	17.55	17.67	17.56	19.3	0.0	
Channel				649334	652000	649334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	17.42	17.57	17.46	19.3	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	17.44	17.62	17.50	19.3	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	17.47	17.60	17.45	19.3	0.0	
Channel				648334	652000	648334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	17.44	17.59	17.48	19.3	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	17.45	17.58	17.46	19.3	0.0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	17.50	17.56	17.43	19.3	0.0	
Channel				647334	652000	647334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	17.49	17.55	17.46	19.3	0.0	

Par270 n77 PC2 Ant2 DSI2 Simultaneous 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	650000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	20.94	21.12	20.87			
100	PI2 BPSK	1	137	20.90	21.00	21.10	22.3	0.0	
100	PI2 BPSK	1	271	21.11	21.20	21.29			
100	PI2 BPSK	135	0	20.93	21.06	20.87	22.3	0.0	
100	PI2 BPSK	135	69	21.04	21.17	21.06	22.3	0.0	
100	PI2 BPSK	135	138	20.98	21.18	20.93			
100	PI2 BPSK	270	0	20.86	21.10	21.00	22.3	0.0	
100	QPSK	1	1	21.19	21.35	21.23			
100	QPSK	1	137	21.15	20.99	21.15	22.3	0.0	
100	QPSK	1	271	20.77	21.05	21.02			
100	QPSK	135	0	20.78	20.93	20.90	22.3	0.0	
100	QPSK	135	69	21.11	21.18	21.12	22.3	0.0	
100	QPSK	135	138	20.86	20.96	21.12			
100	QPSK	270	0	20.89	21.09	20.98	22.3	0.0	
100	16QAM	1	1	21.01	21.30	21.19	22.3	0.0	
100	16QAM	1	1	21.22	21.26	21.01	22.3	0.0	
100	256QAM	1	1	20.82	21.11	20.90	22.3	0.0	
Channel				648668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	20.72	20.93	20.67	22.3	0.0	
Channel				649334	652000	649334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	20.58	20.70	20.50	22.3	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	21.01	21.01	20.84	22.3	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	20.71	20.78	20.54	22.3	0.0	
Channel				648334	652000	648334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	20.41	20.48	20.24	22.3	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	20.94	21.01	20.96	22.3	0.0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	20.11	20.18	19.94	22.3	0.0	
Channel				647334	652000	647334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	19.81	19.88	19.64	22.3	0.0	

Par27Q n77 PC3 Ant2 DSI2 Simultaneous 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				630000	633334	635000			
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1		18.12				
100	PI2 BPSK	1	137		18.07		19.3	0.0	
100	PI2 BPSK	1	271		18.27				
100	PI2 BPSK	135	0		18.04				
100	PI2 BPSK	135	69		18.12		19.3	0.0	
100	PI2 BPSK	135	138		18.19				
100	PI2 BPSK	270	0		18.11		19.3	0.0	
100	QPSK	1	1		18.25				
100	QPSK	1	137		18.00		19.3	0.0	
100	QPSK	1	271		18.06				
100	QPSK	135	0		17.99				
100	QPSK	135	69		18.07		19.3	0.0	
100	QPSK	135	138		17.97				
100	QPSK	270	0		18.09		19.3	0.0	
100	16QAM	1	1		18.16		19.3	0.0	
100	16QAM	1	1		17.82		19.3	0.0	
100	256QAM	1	1		17.50		19.3	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	17.85	17.91	17.80	19.3	0.0	
Channel				632668	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510.01			
80	QPSK	1	1	17.83	17.89	17.82	19.3	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	17.85	17.84	17.90	19.3	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	17.89	17.82	17.89	19.3	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	17.85	17.83	17.90	19.3	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3533.01			
40	QPSK	1	1	17.86	17.86	17.89	19.3	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	17.86	17.84	17.86	19.3	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	17.82	17.82	17.87	19.3	0.0	

Par27Q n77 PC2 Ant2 DSI2 Simultaneous 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	P12 BPSK	1	1		21.00		22.3	0.0	
100	P12 BPSK	1	137		20.92				
100	P12 BPSK	1	271		21.07		22.3	0.0	
100	P12 BPSK	135	0		20.96				
100	P12 BPSK	135	66		21.07		22.3	0.0	
100	P12 BPSK	135	138		21.07		22.3	0.0	
100	P12 BPSK	270	0		20.99		22.3	0.0	
100	QPSK	1	1		21.23		22.3	0.0	
100	QPSK	1	137		20.86				
100	QPSK	1	271		20.91		22.3	0.0	
100	QPSK	135	0		20.83				
100	QPSK	135	66		21.15		22.3	0.0	
100	QPSK	135	138		20.91		22.3	0.0	
100	QPSK	270	0		20.93		22.3	0.0	
100	16QAM	1	1		21.18		22.3	0.0	
100	64QAM	1	1		21.22		22.3	0.0	
100	256QAM	1	1		20.95		22.3	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		20.63	20.45	20.54	22.3	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3500.01	3510			
80	QPSK	1	1		20.68	20.49	20.37	22.3	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3486.01	3500.01	3515.01			
70	QPSK	1	1		20.64	20.41	20.39	22.3	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		20.40	20.58	20.33	22.3	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		20.59	20.58	20.27	22.3	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		20.55	20.56	20.28	22.3	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		20.68	20.57	20.34	22.3	0.0
Channel				635000	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3500.01	3540			
20	QPSK	1	1		20.57	20.53	20.36	22.3	0.0

Part27O n78 PC3 Ant2 DSI2 Simultaneous Power

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750					
100	P12 BPSK	1	1		17.83		19.3	0.0	
100	P12 BPSK	1	137		17.83				
100	P12 BPSK	1	271		17.88		19.3	0.0	
100	P12 BPSK	135	0		17.81		19.3	0.0	
100	P12 BPSK	135	66		17.88		19.3	0.0	
100	P12 BPSK	135	138		17.82		19.3	0.0	
100	P12 BPSK	270	0		17.83		19.3	0.0	
100	QPSK	1	1		17.83		19.3	0.0	
100	QPSK	1	137		17.83		19.3	0.0	
100	QPSK	1	271		17.85		19.3	0.0	
100	QPSK	135	0		17.88		19.3	0.0	
100	QPSK	135	66		17.89		19.3	0.0	
100	QPSK	135	138		17.83		19.3	0.0	
100	QPSK	270	0		17.81		19.3	0.0	
100	16QAM	1	1		17.87		19.3	0.0	
100	64QAM	1	1		17.72		19.3	0.0	
100	256QAM	1	1		17.54		19.3	0.0	
Channel									
Frequency (MHz)				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		3745.02	3750	3755.01		
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		17.90	17.86	17.92	19.3	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		17.91	17.85	17.86	19.3	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		17.91	17.82	17.85	19.3	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		17.90	17.91	17.88	19.3	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3760			
40	QPSK	1	1		17.90	17.91	17.87	19.3	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		17.90	17.87	17.85	19.3	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		17.86	17.89	17.89	19.3	0.0

Part27O n78 PC2 Ant2 DSI2 Simultaneous 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	P12 BPSK	1	1		20.90		22.3	0.0	
100	P12 BPSK	1	137		20.84				
100	P12 BPSK	1	271		20.84		22.3	0.0	
100	P12 BPSK	135	0		20.85		22.3	0.0	
100	P12 BPSK	135	66		20.82		22.3	0.0	
100	P12 BPSK	135	138		20.85		22.3	0.0	
100	P12 BPSK	270	0		20.86		22.3	0.0	
100	QPSK	1	1		21.00		22.3	0.0	
100	QPSK	1	137		20.82		22.3	0.0	
100	QPSK	1	271		20.86		22.3	0.0	
100	QPSK	135	0		20.94		22.3	0.0	
100	QPSK	135	66		20.82		22.3	0.0	
100	QPSK	135	138		20.80		22.3	0.0	
100	QPSK	270	0		20.77		22.3	0.0	
100	16QAM	1	1		20.91		22.3	0.0	
100	64QAM	1	1		20.71		22.3	0.0	
100	256QAM	1	1		20.53		22.3	0.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		20.57	20.59	20.52	22.3	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		20.67	20.53	20.53	22.3	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		20.80	20.61	20.57	22.3	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		20.70	20.63	20.61	22.3	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		20.67	20.64	20.50	22.3	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3760			
40	QPSK	1	1		20.59	20.63	20.54	22.3	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		20.67	20.53	20.61	22.3	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		20.59	20.56	20.48	22.3	0.0



Par27Q n78 PC3 Ant2 DSI2 Simultaneous 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	PI2 BPSK	1	1		17.78		19.3	0.0		
100	PI2 BPSK	1	137		17.68					
100	PI2 BPSK	1	271		17.71					
100	PI2 BPSK	135	0		17.67		19.3	0.0		
100	PI2 BPSK	135	69		17.76					
100	PI2 BPSK	135	138		17.72					
100	PI2 BPSK	270	0		17.88		19.3	0.0		
100	QPSK	1	1		17.83					
100	QPSK	1	137		17.65					
100	QPSK	1	271		17.61		19.3	0.0		
100	QPSK	135	0		17.57					
100	QPSK	135	69		17.71					
100	QPSK	135	138		17.54		19.3	0.0		
100	QPSK	270	0		17.68					
100	16QAM	1	1		17.79					
100	16QAM	1	1		17.79		19.3	0.0		
100	256QAM	1	1		17.55					
Channel				633000	633334	633668	Time-up limit (dBm)		MPR	
Frequency (MHz)				3495	3500.01	3505.02				
90	QPSK	1	1	17.57	17.53	17.61	19.3		0.0	
Channel				632668	633334	634000	Time-up limit (dBm)		MPR	
Frequency (MHz)				3490.02	3500.01	3510				
80	QPSK	1	1	17.49	17.53	17.52	19.3		0.0	
Channel				632334	633334	634334	Time-up limit (dBm)		MPR	
Frequency (MHz)				3485.01	3500.01	3515.01				
70	QPSK	1	1	17.44	17.62	17.60	19.3		0.0	
Channel				632000	633334	634668	Time-up limit (dBm)		MPR	
Frequency (MHz)				3480	3500.01	3520.02				
60	QPSK	1	1	17.43	17.60	17.56	19.3		0.0	
Channel				631668	633334	635000	Time-up limit (dBm)		MPR	
Frequency (MHz)				3475.02	3500.01	3525				
50	QPSK	1	1	17.48	17.57	17.61	19.3		0.0	
Channel				631334	633334	635334	Time-up limit (dBm)		MPR	
Frequency (MHz)				3470.01	3500.01	3530.01				
40	QPSK	1	1	17.52	17.58	17.52	19.3		0.0	
Channel				631000	633334	635668	Time-up limit (dBm)		MPR	
Frequency (MHz)				3470.01	3500.01	3530.01				
30	QPSK	1	1	17.44	17.58	17.55	19.3		0.0	
Channel				630668	633334	635000	Time-up limit (dBm)		MPR	
Frequency (MHz)				3460.02	3500.01	3540				
20	QPSK	1	1	17.43	17.56	17.60	19.3		0.0	

Par27Q n78 PC3 Ant2 DSI2 Simultaneous 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	PI2 BPSK	1	1		20.76		22.3	0.0		
100	PI2 BPSK	1	137		21.02					
100	PI2 BPSK	1	271		20.83					
100	PI2 BPSK	135	0		20.96		22.3	0.0		
100	PI2 BPSK	135	69		21.02					
100	PI2 BPSK	135	138		20.83					
100	PI2 BPSK	270	0		21.10		22.3	0.0		
100	QPSK	1	1		21.22					
100	QPSK	1	137		20.85					
100	QPSK	1	271		20.71		22.3	0.0		
100	QPSK	135	0		20.89					
100	QPSK	135	69		21.12					
100	QPSK	135	138		20.89		22.3	0.0		
100	QPSK	270	0		21.12					
100	16QAM	1	1		21.18					
100	16QAM	1	1		20.85		22.3	0.0		
100	256QAM	1	1		20.59					
Channel				633000	633334	633668	Time-up limit (dBm)		MPR	
Frequency (MHz)				3495	3500.01	3505.02				
90	QPSK	1	1	21.21	21.33	21.30	22.3		0.0	
Channel				632668	633334	634000	Time-up limit (dBm)		MPR	
Frequency (MHz)				3490.02	3500.01	3510				
80	QPSK	1	1	21.26	21.34	21.35	22.3		0.0	
Channel				632334	633334	634334	Time-up limit (dBm)		MPR	
Frequency (MHz)				3485.01	3500.01	3515.01				
70	QPSK	1	1	21.15	21.34	21.22	22.3		0.0	
Channel				632100	633334	634668	Time-up limit (dBm)		MPR	
Frequency (MHz)				3480	3500.01	3521.02				
60	QPSK	1	1	21.15	21.29	21.33	22.3		0.0	
Channel				631668	633334	635000	Time-up limit (dBm)		MPR	
Frequency (MHz)				3475.02	3500.01	3525				
50	QPSK	1	1	21.15	21.26	21.18	22.3		0.0	
Channel				631334	633334	635334	Time-up limit (dBm)		MPR	
Frequency (MHz)				3470.01	3500.01	3530.01				
40	QPSK	1	1	21.20	21.20	21.19	22.3		0.0	
Channel				631000	633334	635668	Time-up limit (dBm)		MPR	
Frequency (MHz)				3465	3500.01	3535.02				
30	QPSK	1	1	21.21	21.23	21.19	22.3		0.0	
Channel				630668	633334	635000	Time-up limit (dBm)		MPR	
Frequency (MHz)				3460.02	3500.01	3540				
20	QPSK	1	1	21.22	21.19	21.12	22.3		0.0	



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PC3									
BW [MHz]	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	PV2 BPSK	1	1		22.83			24.0	0.0
100	PV2 BPSK	1	137		22.43				
100	PV2 BPSK	1	271		22.28				
100	PV2 BPSK	135	0		22.14		23.5	0.5	
100	PV2 BPSK	135	69		22.39		24.0	0.0	
100	PV2 BPSK	135	138		21.85		23.5	0.5	
100	PV2 BPSK	270	0		21.91				
100	QPSK	1	1		22.58				
100	QPSK	1	137		22.45		24.0	0.0	
100	QPSK	1	271		22.28				
100	QPSK	135	0		21.62		23.0	1.0	
100	QPSK	135	69		22.36		24.0	0.0	
100	QPSK	135	138		21.28		23.0	1.0	
100	QPSK	270	0		21.38				
100	16QAM	1	1		21.58		23.0	1.0	
100	64QAM	1	1		20.34		21.5	2.5	
100	256QAM	1	1		18.21		19.5	4.5	
Channel				649868	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		22.45	22.62	22.35	24.0	0.0
Channel				649324	650000	650656	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		22.42	22.54	22.34	24.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		22.51	22.54	22.45	24.0	0.0
Channel				648688	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		22.31	22.58	22.37	24.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		22.40	22.63	22.50	24.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		22.52	22.44	22.36	24.0	0.0
Channel				647688	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		22.36	22.60	22.47	24.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		22.40	22.55	22.50	24.0	0.0

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PC2									
BW [MHz]	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	PV2 BPSK	1	1		25.54			27.0	0.0
100	PV2 BPSK	1	137		25.51				
100	PV2 BPSK	1	271		25.36				
100	PV2 BPSK	135	0		25.46		26.5	0.5	
100	PV2 BPSK	135	69		25.42		27.0	0.0	
100	PV2 BPSK	135	138		25.21		26.5	0.5	
100	PV2 BPSK	270	0		25.38				
100	QPSK	1	1		25.58				
100	QPSK	1	137		25.42		27.0	0.0	
100	QPSK	1	271		25.32				
100	QPSK	135	0		25.04		26.0	1.0	
100	QPSK	135	69		25.37		27.0	0.0	
100	QPSK	135	138		24.71		26.0	1.0	
100	QPSK	270	0		25.02				
100	16QAM	1	1		25.07		26.0	1.0	
100	64QAM	1	1		23.74		24.5	2.5	
100	256QAM	1	1		21.69		22.5	4.5	
Channel				649868	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		25.35	25.38	25.32	27.0	0.0
Channel				649324	650000	650656	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		25.31	25.43	25.36	27.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		25.34	25.45	25.34	27.0	0.0
Channel				648688	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		25.26	25.42	25.31	27.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		25.30	25.46	25.34	27.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		25.32	25.40	25.38	27.0	0.0
Channel				647688	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		25.32	25.42	25.40	27.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		25.31	25.45	25.41	27.0	0.0

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PC3									
BW [MHz]	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	PV2 BPSK	1	1		23.03		24.0	0.0	
100	PV2 BPSK	1	137		22.86				
100	PV2 BPSK	1	271		23.00				
100	PV2 BPSK	135	0		22.75				
100	PV2 BPSK	135	69		23.13		24.0	0.0	
100	PV2 BPSK	135	138		22.58				
100	PV2 BPSK	270	0		22.64		23.5	0.5	
100	QPSK	1	1		23.15				
100	QPSK	1	137		22.95		24.0	0.0	
100	QPSK	1	271		22.98				
100	QPSK	135	0		22.17				
100	QPSK	135	69		23.17		24.0	0.0	
100	QPSK	135	138		22.05				
100	QPSK	270	0		22.25		23.0	1.0	
100	16QAM	1	1		22.36		23.0	1.0	
100	64QAM	1	1		20.83		21.5	2.5	
100	256QAM	1	1		18.78		19.5	4.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		22.98	23.07	23.05	24.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		23.04	23.04	23.06	24.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		23.07	23.08	23.05	24.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		22.97	23.07	22.99	24.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		23.06	23.04	23.04	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		22.98	23.06	23.04	24.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		23.02	23.03	23.01	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		22.97	23.04	23.07	24.0	0.0

Part27Q n78 Ant7 DSI2 Standalone&Simultaneous

PC2									
BW [MHz]	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	PI2 BPSK	1	1		26.21		27.0	0.0	
100	PI2 BPSK	1	137		26.13				
100	PI2 BPSK	1	271		26.02		23.5	3.5	
100	PI2 BPSK	135	0		26.10				
100	PI2 BPSK	135	69		26.12		27.0	0.0	
100	PI2 BPSK	135	138		26.09				
100	PI2 BPSK	270	0		26.05		26.5	0.5	
100	QPSK	1	1		26.25				
100	QPSK	1	137		26.13		27.0	0.0	
100	QPSK	1	271		26.06				
100	QPSK	135	0		25.71		23.5	3.5	
100	QPSK	135	69		26.13				
100	QPSK	135	138		25.65		23.5	3.5	
100	QPSK	270	0		25.77				
100	16QAM	1	1		25.59		26.0	1.0	
100	64QAM	1	1		24.43				
100	256QAM	1	1		22.31		22.5	4.5	
Channel				633000	633334	633668			
Frequency (MHz)				3485	3500.01	3505.02			
90	QPSK	1	1	26.05	26.07	26.10	27.0	0.0	
Channel				632668	633334	634000			
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	26.06	26.05	26.05	27.0	0.0	
Channel				632334	633334	634334			
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	25.99	26.03	26.07	27.0	0.0	
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	26.00	26.04	26.10	27.0	0.0	
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	26.05	26.07	26.04	27.0	0.0	
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	26.02	26.09	26.04	27.0	0.0	
Channel				631000	633334	635668			
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	26.03	26.02	26.08	27.0	0.0	
Channel				630500	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	26.00	26.06	26.05	27.0	0.0	
Channel									



n2 Ant0 DSI3 Standalone 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				1600	1600	1600			
Frequency (MHz)									
20	Pl2 BPSK	1	1	17.74	17.79	17.79	18.7	0.0	
20	Pl2 BPSK	1	53	17.57	17.74	17.52			
20	Pl2 BPSK	1	104	17.53	17.59	17.44			
20	Pl2 BPSK	50	0	17.47	17.56	17.55	18.7	0.0	
20	Pl2 BPSK	50	26	17.57	17.62	17.41	18.7	0.0	
20	Pl2 BPSK	50	56	17.39	17.49	17.34	18.7	0.0	
20	Pl2 BPSK	100	0	17.44	17.49	17.36			
20	QPSK	1	1	17.88	17.95	17.90			
20	QPSK	1	53	17.53	17.63	17.45	18.7	0.0	
20	QPSK	1	104	17.47	17.64	17.58	18.7	0.0	
20	QPSK	50	0	17.44	17.57	17.53			
20	QPSK	50	26	17.55	17.65	17.57			
20	QPSK	50	56	17.58	17.54	17.41	18.7	0.0	
20	QPSK	100	0	17.50	17.61	17.35	18.7	0.0	
20	16QAM	1	1	17.40	17.48	17.37			
20	64QAM	1	1	17.32	17.40	17.47		18.7	
20	256QAM	1	1	17.49	17.08	17.54	18.7	0.0	
Channel				371000	376000	380500	Tune-up limit	MPR	
Frequency (MHz)				1857.5	1860	1902.5	(dBm)	(dB)	
15	QPSK	1	1	17.55	17.73	17.65	18.7	0.0	
Channel				371000	376000	381000	Tune-up limit	MPR	
Frequency (MHz)				1855	1880	1905	(dBm)	(dB)	
10	QPSK	1	1	17.06	17.69	17.52	18.7	0.0	
Channel				371000	371000	371000	Tune-up limit	MPR	
Frequency (MHz)				1852.5	1880	1907.5	(dBm)	(dB)	
5	QPSK	1	1	17.00	17.65	17.72	18.7	0.0	

n5 Ant0 DSI3 Standalone Power									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	Pl2 BPSK	1	1	22.15	22.27	22.20	24.0	0.0	
20	Pl2 BPSK	1	53	22.32	22.11	22.23			
20	Pl2 BPSK	1	104	22.02	22.01	22.32			
20	Pl2 BPSK	50	0	22.04	22.03	22.35	24.0	0.0	
20	Pl2 BPSK	50	26	22.10	22.14	22.11	24.0	0.0	
20	Pl2 BPSK	50	56	22.34	22.11	22.04	24.0	0.0	
20	Pl2 BPSK	100	0	22.33	22.14	22.37			
20	QPSK	1	1	22.22	22.43	22.22			
20	QPSK	1	53	22.07	22.11	22.04	24.0	0.0	
20	QPSK	1	104	22.12	22.13	22.05	24.0	0.0	
20	QPSK	50	0	22.17	22.21	22.01			
20	QPSK	50	26	22.17	22.24	22.40			
20	QPSK	50	56	22.12	22.13	22.10	24.0	0.0	
20	QPSK	100	0	22.12	22.20	22.04	24.0	0.0	
20	16QAM	1	1	22.22	22.34	22.34			
20	64QAM	1	1	22.32	22.12	22.21	24.0	1.0	
20	256QAM	1	1	20.02	20.21	20.02	21.0	3.0	
Channel				166300	167300	168300	Tune-up limit	MPR	
Frequency (MHz)				831.5	836.5	841.5	(dBm)	(dB)	
15	QPSK	1	1	22.15	22.21	22.01	24.0	0.0	
Channel				165800	167300	168800	Tune-up limit	MPR	
Frequency (MHz)				829	836.5	844	(dBm)	(dB)	
10	QPSK	1	1	22.06	22.22	22.22	24.0	0.0	
Channel				165300	167300	167300	Tune-up limit	MPR	
Frequency (MHz)				826.5	836.5	846.5	(dBm)	(dB)	
5	QPSK	1	1	22.20	22.25	22.10	24.0	0.0	

n12 Ant0 DSI3 Standalone 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				141300	141500	141700			
Frequency (MHz)				704.5	707.5	709.5			
15	Pl2 BPSK	1	1	23.13	23.12	23.07	24.0	0.0	
15	Pl2 BPSK	1	40	23.11	23.15	22.99			
15	Pl2 BPSK	1	77	23.08	23.09	23.03			
15	Pl2 BPSK	36	0	22.67	22.67	22.46	23.5	0.5	
15	Pl2 BPSK	36	25	22.96	23.07	22.94	24.0	0.0	
15	Pl2 BPSK	36	43	22.62	22.81	22.59	23.5	0.5	
15	Pl2 BPSK	75	0	22.63	22.72	22.66			
15	QPSK	1	1	23.16	23.21	23.08			
15	QPSK	1	40	23.17	23.19	23.15	24.0	0.0	
15	QPSK	1	77	23.15	23.17	23.05	23.0	1.0	
15	QPSK	36	0	22.17	22.22	22.03			
15	QPSK	36	25	23.06	23.15	23.08			
15	QPSK	36	43	22.10	22.19	22.00	23.0	1.0	
15	QPSK	75	0	22.28	22.28	22.10	24.0	0.0	
15	16QAM	1	1	22.16	22.21	22.03			
15	64QAM	1	1	20.83	20.97	20.80	21.5	2.5	
15	256QAM	1	1	19.08	19.83	19.76	19.5	4.5	
Channel				140800	141500	142200	Tune-up limit	MPR	
Frequency (MHz)				704	707.5	711	(dBm)	(dB)	
10	QPSK	1	1	23.08	23.21	23.08	24.0	0.0	
Channel				140300	141500	142700	Tune-up limit	MPR	
Frequency (MHz)				701.5	707.5	713.5	(dBm)	(dB)	
5	QPSK	1	1	22.96	23.12	23.05	24.0	0.0	



n25 Ant0 DSI3 Standalone Power							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel				372000	376500	381000	
Frequency (MHz)				1760	1825	1905	
20	PI2 BPSK	1	1	17.85	17.99	17.80	
20	PI2 BPSK	1	53	17.74	17.82	17.69	18.7
20	PI2 BPSK	1	104	17.68	17.77	17.63	
20	PI2 BPSK	50	0	17.67	17.76	17.65	18.7
20	PI2 BPSK	50	28	17.67	17.74	17.59	18.7
20	PI2 BPSK	50	56	17.57	17.68	17.56	
20	PI2 BPSK	100	0	17.59	17.66	17.51	18.7
20	QPSK	1	1	18.94	18.16	18.02	
20	QPSK	1	53	17.73	17.84	17.69	18.7
20	QPSK	1	104	17.65	17.76	17.68	
20	QPSK	50	0	17.63	17.70	17.63	18.7
20	QPSK	50	28	17.66	17.73	17.71	18.7
20	QPSK	50	56	17.68	17.70	17.58	
20	QPSK	100	0	17.63	17.70	17.55	18.7
20	16QAM	1	1	17.52	17.63	17.52	18.7
20	64QAM	1	1	17.67	17.81	17.66	18.7
20	256QAM	1	1	17.69	17.79	17.72	18.7
Channel				371500	376500	381500	
Frequency (MHz)				1837.5	1882.5	1937.5	
15	QPSK	1	1	17.60	18.02	17.89	18.7
Channel				371000	376500	382000	
Frequency (MHz)				1865	1862.5	1910	
10	QPSK	1	1	17.89	18.05	17.89	18.7
Channel				370500	376500	382500	
Frequency (MHz)				1862.5	1882.5	1912.5	
5	QPSK	1	1	17.96	18.08	17.89	18.7

n26 Ant0 DSI3 Standalone Power							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel				164800	166300	167800	
Frequency (MHz)				824	831.5	839	
20	PI2 BPSK	1	1	22.55	22.65	22.49	
20	PI2 BPSK	1	53	22.43	22.58	22.49	24.0
20	PI2 BPSK	1	104	22.56	22.62	22.45	
20	PI2 BPSK	50	0	22.61	22.67	22.53	24.0
20	PI2 BPSK	50	28	22.59	22.64	22.56	24.0
20	PI2 BPSK	50	56	22.45	22.56	22.40	
20	PI2 BPSK	100	0	22.54	22.67	22.51	24.0
20	QPSK	1	1	22.59	22.73	22.66	
20	QPSK	1	53	22.57	22.64	22.52	24.0
20	QPSK	1	104	22.62	22.69	22.55	
20	QPSK	50	0	22.59	22.66	22.55	24.0
20	QPSK	50	28	22.54	22.72	22.63	24.0
20	QPSK	50	56	22.52	22.63	22.48	
20	QPSK	100	0	22.58	22.72	22.57	24.0
20	16QAM	1	1	22.63	22.69	22.58	24.0
20	64QAM	1	1	21.97	22.09	21.92	23.5
20	256QAM	1	1	19.72	19.77	19.59	21.0
Channel				164300	166300	168300	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	1	22.42	22.69	22.49	24.0
Channel				163800	166300	168800	
Frequency (MHz)				819	831.5	844	
10	QPSK	1	1	22.48	22.68	22.53	24.0
Channel				163300	166300	169300	
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	1	22.53	22.65	22.50	24.0

n66 Ant0 DSI3 Standalone Power							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel				346000	349000	352000	
Frequency (MHz)				1720	1745	1760	
40	PI2 BPSK	1	1	18.12	18.25	18.16	
40	PI2 BPSK	1	108	17.97	17.99	17.88	19.3
40	PI2 BPSK	1	214	18.00	18.05	17.93	
40	PI2 BPSK	108	0	17.90	17.95	17.80	19.3
40	PI2 BPSK	108	54	17.81	17.94	17.81	19.3
40	PI2 BPSK	108	108	18.00	18.09	17.94	
40	PI2 BPSK	216	0	17.85	17.99	17.86	19.3
40	QPSK	1	1	18.29	18.35	18.23	
40	QPSK	1	108	17.85	17.94	17.83	19.3
40	QPSK	1	214	18.01	18.07	17.94	
40	QPSK	108	0	18.02	17.91	17.98	19.3
40	QPSK	108	54	17.99	18.11	18.08	19.3
40	QPSK	108	108	17.91	18.04	17.90	
40	QPSK	216	0	17.95	18.01	17.90	19.3
40	16QAM	1	1	17.88	17.97	17.89	19.3
40	64QAM	1	1	17.99	18.05	17.90	19.3
40	256QAM	1	1	17.91	18.04	17.95	19.3
Channel				345500	349000	353500	
Frequency (MHz)				1725	1745	1765	
30	QPSK	1	1	17.81	17.91	17.84	19.3
Channel				344000	349000	354000	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	1	17.85	17.89	17.86	19.3
Channel				343500	349000	354500	
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	1	17.94	18.00	17.81	19.3
Channel				343000	349000	355000	
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	1	17.89	17.92	17.84	19.3
Channel				342500	349000	355500	
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	17.93	17.97	17.86	19.3

n71 Ant0 DSI3 Standalone Power								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 134600	Power Middle Ch. / Freq. 136100	Power High Ch. / Freq. 137600	Tune-up limit (dBm)	MPR (dB)
Channel				675	680.5	685	24.0	0.0
Frequency (MHz)				675	680.5	685		
20	PI2 BPSK	1	1	22.89	22.93	22.75		
20	PI2 BPSK	1	53	22.83	22.99	22.90	24.0	0.0
20	PI2 BPSK	1	104	22.67	22.79	22.59		
20	PI2 BPSK	50	0	22.74	22.84	22.87		
20	PI2 BPSK	50	24	22.91	22.98	22.90	24.0	0.0
20	PI2 BPSK	50	56	22.77	22.85	22.64		
20	PI2 BPSK	100	0	22.92	23.01	22.86		
20	QPSK	1	1	23.02	23.13	22.86	24.0	0.0
20	QPSK	1	53	22.89	22.95	22.95		
20	QPSK	1	104	22.63	22.70	22.69		
20	QPSK	50	0	22.86	22.85	22.84	24.0	0.0
20	QPSK	50	28	22.78	22.96	22.81		
20	QPSK	50	95	22.85	22.85	22.80		
20	QPSK	100	0	22.83	22.97	22.82	24.0	0.0
20	16QAM	1	1	22.96	23.08	23.09		
20	64QAM	1	1	22.25	22.45	22.34		
20	256QAM	1	1	20.11	20.09	20.08	21.0	3.0
Channel				134100	136100	138100	Tune-up limit	MPR
Frequency (MHz)				670.5	680.5	690.5	(dBm)	(dB)
15	QPSK	1	1	23.02	22.85	22.68	24.0	0.0
Channel				133600	136100	138600	Tune-up limit	MPR
Frequency (MHz)				666	680.5	693	(dBm)	(dB)
10	QPSK	1	1	22.97	23.06	22.89	24.0	0.0
Channel				137100	137100	137100	Tune-up limit	MPR
Frequency (MHz)				686.5	680.5	695.5	(dBm)	(dB)
5	QPSK	1	1	22.88	23.04	22.93	24.0	0.0



n2 Ant0 DSI3 Simultaneous 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				1660	1660	1600		
Frequency (MHz)				13.63	13.80	13.81		
20	Pl2 BPSK	1	1	13.63	13.80	13.81	15.3	0.0
20	Pl2 BPSK	1	53	13.57	13.67	13.66		
20	Pl2 BPSK	1	104	13.79	13.80	13.75		
20	Pl2 BPSK	50	0	13.73	13.79	13.59	15.3	0.0
20	Pl2 BPSK	50	26	13.63	13.74	13.68	15.3	0.0
20	Pl2 BPSK	50	56	13.65	13.72	13.68		
20	Pl2 BPSK	100	0	13.68	13.71	13.64	15.3	0.0
20	QPSK	1	1	13.97	13.99	13.96		
20	QPSK	1	53	13.57	13.73	13.66	15.3	0.0
20	QPSK	1	104	13.74	13.89	13.73		
20	QPSK	50	0	13.71	13.77	13.70	15.3	0.0
20	QPSK	50	26	13.67	13.76	13.67	15.3	0.0
20	QPSK	50	56	13.61	13.66	13.59		
20	QPSK	100	0	13.63	13.78	13.73	15.3	0.0
20	16QAM	1	1	13.69	13.80	13.72	15.3	0.0
20	64QAM	1	1	13.84	13.92	13.81	15.3	0.0
20	256QAM	1	1	13.72	13.87	13.72	15.3	0.0
Channel				371600	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1657.5	1660	1602.5	(dBm)	(dB)
16	QPSK	1	1	13.71	13.79	13.70	15.3	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1665	1680	1605	(dBm)	(dB)
10	QPSK	1	1	13.63	13.79	13.65	15.3	0.0
Channel				371000	371000	371000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1662.5	1680	1607.5	(dBm)	(dB)
5	QPSK	1	1	13.68	13.77	13.67	15.3	0.0

n5 Ant0 DSI3 Simultaneous Reuse Full 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	836.5	839		
20	Pl2 BPSK	1	1	22.16	22.27	22.20	24.0	0.0
20	Pl2 BPSK	1	53	22.32	22.11	22.23		
20	Pl2 BPSK	1	104	22.02	22.01	22.32		
20	Pl2 BPSK	50	0	22.04	22.03	22.35	24.0	0.0
20	Pl2 BPSK	50	26	22.10	22.14	22.11	24.0	0.0
20	Pl2 BPSK	50	56	22.34	22.11	22.04		
20	Pl2 BPSK	100	0	22.33	22.14	22.37	24.0	0.0
20	QPSK	1	1	22.22	22.43	22.22		
20	QPSK	1	53	22.07	22.11	22.04	24.0	0.0
20	QPSK	1	104	22.12	22.13	22.05		
20	QPSK	50	0	22.17	22.21	22.01	24.0	0.0
20	QPSK	50	26	22.17	22.24	22.20	24.0	0.0
20	QPSK	50	56	22.12	22.13	22.10		
20	QPSK	100	0	22.12	22.20	22.04	24.0	0.0
20	16QAM	1	1	22.22	22.34	22.34	24.0	0.0
20	64QAM	1	1	22.34	22.12	22.21	23.0	1.0
20	256QAM	1	1	20.02	20.21	20.02	21.0	3.0
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5	(dBm)	(dB)
16	QPSK	1	1	22.16	22.31	22.01	24.0	0.0
Channel				165800	167300	166800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844	(dBm)	(dB)
10	QPSK	1	1	22.06	22.22	22.22	24.0	0.0
Channel				165300	167300	165300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5	(dBm)	(dB)
5	QPSK	1	1	22.20	22.25	22.10	24.0	0.0

n12 Ant0 DSI3 Simultaneous Reuse Full 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				141300	141500	141700		
Frequency (MHz)				704.5	707.5	708.5		
15	Pl2 BPSK	1	1	23.13	23.12	23.07		
15	Pl2 BPSK	1	40	23.11	23.15	22.99	24.0	0.0
15	Pl2 BPSK	1	77	23.08	23.09	23.03		
15	Pl2 BPSK	36	0	22.67	22.67	22.46	23.5	0.5
15	Pl2 BPSK	36	25	22.96	23.07	22.94	24.0	0.0
15	Pl2 BPSK	36	43	22.62	22.61	22.59		
15	Pl2 BPSK	75	0	22.63	22.72	22.66	23.5	0.5
15	QPSK	1	1	23.16	23.21	23.08		
15	QPSK	1	40	23.17	23.19	23.15	24.0	0.0
15	QPSK	1	77	23.15	23.17	23.05		
15	QPSK	36	0	22.17	22.22	22.03	23.0	1.0
15	QPSK	36	25	23.06	23.16	23.08	24.0	0.0
15	QPSK	36	43	22.10	22.19	22.00		
15	QPSK	75	0	22.28	22.28	22.10	23.0	1.0
15	16QAM	1	1	22.16	22.21	22.03	23.0	1.0
15	64QAM	1	1	20.63	20.67	20.60	21.5	2.5
15	256QAM	1	1	19.08	19.83	19.76	19.5	4.5
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711	(dBm)	(dB)
10	QPSK	1	1	23.08	23.21	23.08	24.0	0.0
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5	(dBm)	(dB)
5	QPSK	1	1	22.96	23.12	23.05	24.0	0.0

n25 Ant0 DSI3 Simultaneous Power							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	MPR (dB)
Channel							
Frequency (MHz)							
20	PI2 BPSK	1	1	13.77	14.05	13.84	15.3
20	PI2 BPSK	1	53	13.68	13.83	13.73	
20	PI2 BPSK	1	104	13.90	13.96	13.90	0.0
20	PI2 BPSK	50	0	13.76	13.84	13.69	
20	PI2 BPSK	50	28	13.75	13.86	13.72	15.3
20	PI2 BPSK	50	56	13.71	13.83	13.76	0.0
20	PI2 BPSK	100	0	13.76	13.87	13.79	
20	QPSK	1	1	14.01	14.07	13.99	15.3
20	QPSK	1	53	13.71	13.85	13.78	
20	QPSK	1	104	13.81	13.94	13.82	0.0
20	QPSK	50	0	13.77	13.86	13.77	
20	QPSK	50	28	13.76	13.88	13.74	15.3
20	QPSK	50	56	13.75	13.81	13.75	0.0
20	QPSK	100	0	13.75	13.85	13.79	
20	16QAM	1	1	13.84	13.94	13.82	15.3
20	64QAM	1	1	13.94	13.97	13.94	15.3
20	256QAM	1	1	13.86	13.94	13.80	15.3
Channel							
Frequency (MHz)				371500	376500	381500	Tune-up limit
Frequency (MHz)				1807.5	1862.5	1907.5	MPR
15	QPSK	1	1	13.63	13.84	13.72	15.3
Channel							
Frequency (MHz)				371000	376500	382000	Tune-up limit
Frequency (MHz)				1865	1862.5	1910	MPR
10	QPSK	1	1	13.71	13.99	13.73	15.3
Channel							
Frequency (MHz)				310500	316500	322500	Tune-up limit
Frequency (MHz)				1862.5	1862.5	1912.5	MPR
5	QPSK	1	1	13.69	13.90	13.76	15.3

n26 Ant0 DSI3 Simultaneous Reuse Full power							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	MPR (dB)
Channel							
Frequency (MHz)							
20	PI2 BPSK	1	1	22.55	22.65	22.49	24.0
20	PI2 BPSK	1	53	22.43	22.58	22.49	
20	PI2 BPSK	1	104	22.56	22.62	22.45	0.0
20	PI2 BPSK	50	0	22.61	22.67	22.53	
20	PI2 BPSK	50	28	22.59	22.64	22.56	24.0
20	PI2 BPSK	50	56	22.45	22.56	22.40	0.0
20	PI2 BPSK	100	0	22.54	22.67	22.61	
20	QPSK	1	1	22.59	22.73	22.66	24.0
20	QPSK	1	53	22.57	22.64	22.52	
20	QPSK	1	104	22.62	22.69	22.65	0.0
20	QPSK	50	0	22.59	22.66	22.55	
20	QPSK	50	28	22.54	22.72	22.63	24.0
20	QPSK	50	56	22.52	22.63	22.48	24.0
20	QPSK	100	0	22.58	22.72	22.67	
20	16QAM	1	1	22.63	22.69	22.58	24.0
20	64QAM	1	1	21.97	22.09	21.92	23.5
20	256QAM	1	1	19.72	19.77	19.59	21.0
Channel							
Frequency (MHz)				164300	166300	168300	Tune-up limit
Frequency (MHz)				821.5	831.5	841.5	MPR
15	PI2 BPSK	1	1	22.42	22.69	22.49	24.0
Channel							
Frequency (MHz)				819	831.5	844	MPR
10	PI2 BPSK	1	1	22.46	22.68	22.53	24.0
Channel							
Frequency (MHz)				163500	166300	169100	Tune-up limit
Frequency (MHz)				816.5	831.5	846.5	MPR
5	PI2 BPSK	1	1	22.53	22.65	22.50	24.0

n66 Ant0 DSI3 Simultaneous Power							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	MPR (dB)
Channel							
Frequency (MHz)							
40	PI2 BPSK	1	1	14.84	14.87	14.91	16.4
40	PI2 BPSK	1	108	14.85	14.95	14.82	
40	PI2 BPSK	1	214	15.00	15.06	14.98	0.0
40	PI2 BPSK	108	0	14.90	14.96	14.83	
40	PI2 BPSK	108	54	14.79	14.83	14.83	16.4
40	PI2 BPSK	108	108	15.02	15.08	14.94	0.0
40	PI2 BPSK	216	0	14.85	14.93	14.82	
40	QPSK	1	1	15.17	15.27	15.10	16.4
40	QPSK	1	108	14.81	14.90	14.82	
40	QPSK	1	214	14.92	15.04	14.90	0.0
40	QPSK	108	0	15.02	14.95	14.97	
40	QPSK	108	54	15.05	15.14	15.01	16.4
40	QPSK	108	108	14.89	15.06	14.97	16.4
40	QPSK	216	0	14.86	14.99	14.88	
40	16QAM	1	1	15.14	15.23	15.10	16.4
40	64QAM	1	1	14.91	15.02	14.93	16.4
40	256QAM	1	1	14.96	15.06	14.93	16.4
Channel							
Frequency (MHz)				345000	349000	353000	Tune-up limit
Frequency (MHz)				1725	1745	1765	MPR
30	QPSK	1	1	14.87	15.00	14.85	16.4
Channel							
Frequency (MHz)				344000	349000	354000	Tune-up limit
Frequency (MHz)				1720	1745	1770	MPR
20	QPSK	1	1	14.91	14.93	14.89	16.4
Channel							
Frequency (MHz)				343000	349000	355000	Tune-up limit
Frequency (MHz)				1717.5	1745	1772.5	MPR
15	QPSK	1	1	14.93	14.95	14.87	16.4
Channel							
Frequency (MHz)				342000	349000	356000	Tune-up limit
Frequency (MHz)				1715	1745	1775	MPR
10	QPSK	1	1	14.89	14.97	14.82	16.4
Channel							
Frequency (MHz)				342000	349000	355000	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	MPR
5	QPSK	1	1	14.96	15.01	14.88	16.4

n71 Ant0 DSI3 Simultaneous Reuse Full power								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 134600	Power Middle Ch. / Freq. 136100	Power High Ch. / Freq. 137600	Tune-up limit (dBm)	MPR (dB)
Channel				675	680.5	685	24.0	0.0
Frequency (MHz)				22.89	22.93	22.97		
20	PI2 BPSK	1	1	22.89	22.93	22.97		
20	PI2 BPSK	1	53	22.83	22.99	22.90	24.0	0.0
20	PI2 BPSK	1	104	22.67	22.79	22.59		
20	PI2 BPSK	50	0	22.74	22.84	22.87		
20	PI2 BPSK	50	24	22.91	22.98	22.90	24.0	0.0
20	PI2 BPSK	50	56	22.77	22.85	22.64		
20	PI2 BPSK	100	0	22.92	23.01	22.86		
20	QPSK	1	1	23.02	23.13	22.86	24.0	0.0
20	QPSK	1	53	22.89	22.95	22.95		
20	QPSK	1	104	22.63	22.70	22.69		
20	QPSK	50	0	22.86	22.85	22.84	24.0	0.0
20	QPSK	50	28	22.78	22.96	22.81		
20	QPSK	50	95	22.85	22.85	22.80		
20	QPSK	100	0	22.83	22.97	22.82	24.0	0.0
20	16QAM	1	1	22.96	23.08	23.09		
20	64QAM	1	1	22.25	22.45	22.34		
20	256QAM	1	1	20.11	20.09	20.08	21.0	3.0
Channel				134100	136100	138100	Tune-up limit	MPR
Frequency (MHz)				670.5	680.5	690.5	(dBm)	(dB)
15	QPSK	1	1	23.02	22.85	22.68	24.0	0.0
Channel				133600	136100	138600	Tune-up limit	MPR
Frequency (MHz)				666	680.5	693	(dBm)	(dB)
10	QPSK	1	1	22.97	23.06	22.89	24.0	0.0
Channel				137100	137100	137100	Tune-up limit	MPR
Frequency (MHz)				686.5	680.5	696.5	(dBm)	(dB)
5	QPSK	1	1	22.88	23.04	22.93	24.0	0.0

n41 Ant0 DSI3 Standalone Power PC3									
BW [MHz]	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	21.1	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	20.08	20.13	20.02	21.1	0.0	
100	PI/2 BPSK	1	137	19.88	20.01	19.89			
100	PI/2 BPSK	1	271	19.83	19.97	19.89	21.1	0.0	
100	PI/2 BPSK	135	0	19.70	19.84	19.74			
100	PI/2 BPSK	135	69	19.87	19.93	19.78	21.1	0.0	
100	PI/2 BPSK	135	138	19.79	19.91	19.86			
100	PI/2 BPSK	270	0	19.72	19.86	19.80	21.1	0.0	
100	QPSK	1	1	20.16	20.28	20.02			
100	QPSK	1	137	19.93	20.02	19.95	21.1	0.0	
100	QPSK	1	271	19.81	19.96	19.89			
100	QPSK	135	0	19.83	19.88	19.74	21.1	0.0	
100	QPSK	135	69	19.91	19.97	19.88			
100	QPSK	135	138	19.79	19.93	19.83	21.1	0.0	
100	QPSK	270	0	19.87	19.95	19.83			
100	16QAM	1	1	19.69	19.82	19.73	21.1	0.0	
100	64QAM	1	1	20.05	20.10	19.97			
100	256QAM	1	1	18.47	18.61	18.56	19.5	1.6	
Channel				508200	518598	528998	21.1	0.0	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	19.79	19.87	19.65	21.1	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2536.02	2592.99	2649.99	21.1	0.0	
80	QPSK	1	1	19.81	19.81	19.68		0.0	
Channel				506202	518598	531000	21.1	0.0	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	19.77	19.85	19.71	21.1	0.0	
Channel				505200	518598	531998			
Frequency (MHz)				2526	2592.99	2659.98	21.1	0.0	
60	QPSK	1	1	19.75	19.80	19.66		0.0	
Channel				504204	518598	532998	21.1	0.0	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	19.75	19.87	19.64	21.1	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670	21.1	0.0	
40	QPSK	1	1	19.74	19.83	19.64		0.0	
Channel				502200	518598	534998	21.1	0.0	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	19.78	19.86	19.65	21.1	0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99	21.1	0.0	
20	QPSK	1	1	19.74	19.79	19.65		0.0	

n41 Ant0 DSI3 Standalone Power PC2									
BW [MHz]	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	21.1	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	20.03	20.01	20.07	21.1	0.0	
100	PI/2 BPSK	1	137	19.96	20.08	20.01			
100	PI/2 BPSK	1	271	19.88	20.00	19.86	21.1	0.0	
100	PI/2 BPSK	135	0	19.94	19.99	19.92			
100	PI/2 BPSK	135	69	19.90	19.97	19.88	21.1	0.0	
100	PI/2 BPSK	135	138	19.84	19.98	19.84			
100	PI/2 BPSK	270	0	19.85	19.95	19.88	21.1	0.0	
100	QPSK	1	1	20.05	20.11	20.08			
100	QPSK	1	137	20.02	20.10	19.97	21.1	0.0	
100	QPSK	1	271	19.89	20.00	19.84			
100	QPSK	135	0	19.84	19.98	19.84	21.1	0.0	
100	QPSK	135	69	19.89	19.99	19.91			
100	QPSK	135	138	19.82	19.97	19.83	21.1	0.0	
100	QPSK	270	0	19.82	19.96	19.86			
100	16QAM	1	1	19.85	19.94	19.86	21.1	0.0	
100	64QAM	1	1	19.78	19.92	19.79		0.0	
100	256QAM	1	1	19.82	19.91	19.84	21.1	0.0	
Channel				508200	518598	528998			
Frequency (MHz)				2541	2592.99	2644.98	21.1	0.0	
90	QPSK	1	1	19.97	20.06	19.94		0.0	
Channel				507204	518598	529998	21.1	0.0	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	19.92	20.08	19.93	21.1	0.0	
Channel				506202	518598	531000			
Frequency (MHz)				2531.01	2592.99	2655	21.1	0.0	
70	QPSK	1	1	19.88	20.01	19.93		0.0	
Channel				505200	518598	531998	21.1	0.0	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	19.91	20.04	19.93	21.1	0.0	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99	21.1	0.0	
50	QPSK	1	1	19.90	20.03	19.95		0.0	
Channel				503202	518598	534000	21.1	0.0	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	19.88	19.99	20.00	21.1	0.0	
Channel				502200	518598	534998			
Frequency (MHz)				2511	2592.99	2674.98	21.1	0.0	
30	QPSK	1	1	19.92	20.02	19.93		0.0	
Channel				501204	518598	535998	21.1	0.0	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	19.96	19.98	19.95	21.1	0.0	

n41 Ant0 DSI3 Simultaneous Power PC3									
BW [MHz]	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	15.8	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	14.44	14.51	14.36	15.8	0.0	
100	PI/2 BPSK	1	137	14.40	14.47	14.36			
100	PI/2 BPSK	1	271	14.41	14.50	14.39	15.8	0.0	
100	PI/2 BPSK	135	0	14.30	14.40	14.32			
100	PI/2 BPSK	135	69	14.34	14.46	14.40	15.8	0.0	
100	PI/2 BPSK	135	138	14.25	14.33	14.27			
100	PI/2 BPSK	270	0	14.29	14.42	14.34	15.8	0.0	
100	QPSK	1	1	14.52	14.57	14.46			
100	QPSK	1	137	14.37	14.49	14.42	15.8	0.0	
100	QPSK	1	271	14.39	14.48	14.42			
100	QPSK	135	0	14.39	14.38	14.37	15.8	0.0	
100	QPSK	135	69	14.24	14.45	14.24			
100	QPSK	135	138	14.25	14.38	14.24	15.8	0.0	
100	QPSK	270	0	14.35	14.44	14.37			
100	16QAM	1	1	14.33	14.39	14.25	15.8	0.0	
100	64QAM	1	1	14.18	14.31	14.20			
100	256QAM	1	1	14.23	14.36	14.26	15.8	0.0	
Channel				508200	518598	528998		MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	14.29	14.31	14.30	15.8	0.0	
Channel				507204	518598	529998		MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	14.32	14.35	14.26	15.8	0.0	
Channel				506202	518598	531000		MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	14.32	14.37	14.32	15.8	0.0	
Channel				505200	518598	531998		MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	14.29	14.34	14.30	15.8	0.0	
Channel				504204	518598	532998		MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	14.29	14.35	14.28	15.8	0.0	
Channel				503202	518598	534000		MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	14.25	14.32	14.31	15.8	0.0	
Channel				502200	518598	534998		MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	14.29	14.39	14.29	15.8	0.0	
Channel				501204	518598	535998		MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	14.29	14.38	14.28	15.8	0.0	
Channel				500200	518598	536998		MPR (dB)	
Frequency (MHz)				2501	2592.99	2674.98			

n41 Ant0 DSI3 Simultaneous Power PC2									
BW [MHz]	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	15.8	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	14.48	14.55	14.55	15.8	0.0	
100	PI/2 BPSK	1	137	14.53	14.58	14.51			
100	PI/2 BPSK	1	271	14.44	14.55	14.45	15.8	0.0	
100	PI/2 BPSK	135	0	14.40	14.51	14.36			
100	PI/2 BPSK	135	69	14.42	14.49	14.40	15.8	0.0	
100	PI/2 BPSK	135	138	14.37	14.47	14.38			
100	PI/2 BPSK	270	0	14.38	14.45	14.30	15.8	0.0	
100	QPSK	1	1	14.50	14.61	14.49			
100	QPSK	1	137	14.49	14.58	14.50	15.8	0.0	
100	QPSK	1	271	14.46	14.55	14.49			
100	QPSK	135	0	14.39	14.51	14.48	15.8	0.0	
100	QPSK	135	69	14.42	14.54	14.40			
100	QPSK	135	138	14.44	14.52	14.37	15.8	0.0	
100	QPSK	270	0	14.40	14.47	14.42			
100	16QAM	1	1	14.32	14.46	14.34	15.8	0.0	
100	64QAM	1	1	14.37	14.44	14.30			
100	256QAM	1	1	14.32	14.43	14.36	15.8	0.0	
Channel				508200	518598	528998		MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	14.51	14.54	14.40	15.8	0.0	
Channel				507204	518598	529998		MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	14.46	14.51	14.44	15.8	0.0	
Channel				506202	518598	531000		MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	14.43	14.56	14.41	15.8	0.0	
Channel				505200	518598	531998		MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	14.38	14.55	14.48	15.8	0.0	
Channel				504204	518598	532998		MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	14.38	14.52	14.50	15.8	0.0	
Channel				503202	518598	534000		MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	14.39	14.50	14.46	15.8	0.0	
Channel				502200	518598	534998		MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	14.42	14.48	14.45	15.8	0.0	
Channel				501204	518598	535998		MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	14.34	14.57	14.47	15.8	0.0	
Channel				500200	518598	536998		MPR (dB)	
Frequency (MHz)				2501	2592.99	2674.98			

n2 Ant1 DSI3 Standalone 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)				1860	1860	1860		
20	Pl2 BPSK	1	1	18.61	18.64	18.77		
20	Pl2 BPSK	1	53	18.56	18.67	18.63	20.3	0.0
20	Pl2 BPSK	1	104	18.73	18.68	18.72		
20	Pl2 BPSK	50	0	18.64	18.67	18.70	20.3	0.0
20	Pl2 BPSK	50	28	18.51	18.72	18.58	20.3	0.0
20	Pl2 BPSK	50	56	18.61	18.65	18.64		
20	Pl2 BPSK	100	0	18.68	18.78	18.57	20.3	0.0
20	QPSK	1	1	18.71	18.90	18.75		
20	QPSK	1	53	18.66	18.76	18.70	20.3	0.0
20	QPSK	1	104	18.74	18.81	18.68		
20	QPSK	50	0	18.79	18.85	18.75	20.3	0.0
20	QPSK	50	28	18.62	18.89	18.70	20.3	0.0
20	QPSK	50	56	18.55	18.75	18.67		
20	QPSK	100	0	18.65	18.82	18.76	20.3	0.0
20	16QAM	1	1	18.75	18.74	18.68	20.3	0.0
20	64QAM	1	1	18.77	18.81	18.71	20.3	0.0
20	256QAM	1	1	18.73	18.87	18.69	20.3	0.0
Channel								
Frequency (MHz)				1867.5	1860	1902.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	18.77	18.80	18.80	20.3	0.0
Channel								
Frequency (MHz)				1865	1880	1905	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	18.76	18.73	18.82	20.3	0.0
Channel								
Frequency (MHz)				1862.5	1880	1907.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	18.74	18.77	18.82	20.3	0.0

n5 Ant1 DSI3 Standalone Reuse Full 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)				16680	16730	16780		
20	Pl2 BPSK	1	1	22.07	22.21	22.15		
20	Pl2 BPSK	1	53	22.86	22.95	22.79	24.0	0.0
20	Pl2 BPSK	1	104	22.92	22.98	22.86		
20	Pl2 BPSK	50	0	22.97	23.05	22.87	24.0	0.0
20	Pl2 BPSK	50	28	23.05	23.01	23.01	24.0	0.0
20	Pl2 BPSK	50	56	22.89	23.05	22.97		
20	Pl2 BPSK	100	0	22.86	23.02	22.84	24.0	0.0
20	QPSK	1	1	23.25	23.38	23.29		
20	QPSK	1	53	23.02	23.02	22.94	24.0	0.0
20	QPSK	1	104	23.08	23.05	22.92		
20	QPSK	50	0	23.04	23.12	22.93	24.0	0.0
20	QPSK	50	28	23.19	23.22	23.16	24.0	0.0
20	QPSK	50	56	23.12	23.19	23.10		
20	QPSK	100	0	23.02	23.20	23.14	24.0	0.0
20	16QAM	1	1	23.16	23.19	23.24	24.0	0.0
20	64QAM	1	1	22.31	22.52	22.44	23.0	1.0
20	256QAM	1	1	19.94	20.22	19.96	21.0	3.0
Channel								
Frequency (MHz)				16630	16730	16830	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	23.16	23.31	23.01	24.0	0.0
Channel								
Frequency (MHz)				829	836.5	844	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	23.06	23.28	23.22	24.0	0.0
Channel								
Frequency (MHz)				826.5	836.5	846.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	23.20	23.25	23.10	24.0	0.0

n7 Ant1 DSI3 Standalone 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)				50600	50700	51000		
40	Pl2 BPSK	1	1	19.46	19.39	19.53		
40	Pl2 BPSK	1	108	19.16	19.27	19.24	20.7	0.0
40	Pl2 BPSK	1	214	19.35	19.46	19.31		
40	Pl2 BPSK	108	0	19.16	19.26	19.04	20.7	0.0
40	Pl2 BPSK	108	84	19.21	19.16	19.09	20.7	0.0
40	Pl2 BPSK	108	108	19.22	19.29	19.28		
40	Pl2 BPSK	216	0	19.20	19.34	19.09	20.7	0.0
40	QPSK	1	1	19.58	19.61	19.37		
40	QPSK	1	108	19.27	19.38	19.31	20.7	0.0
40	QPSK	1	214	19.30	19.50	19.38		
40	QPSK	108	0	19.24	19.31	19.24	20.7	0.0
40	QPSK	108	84	19.14	19.38	19.24	20.7	0.0
40	QPSK	108	108	19.12	19.28	19.21		
40	QPSK	216	0	19.28	19.30	19.22	20.7	0.0
40	16QAM	1	1	19.16	19.21	19.07	20.7	0.0
40	64QAM	1	1	19.17	19.30	19.29	20.7	0.0
40	256QAM	1	1	19.16	19.33	19.22	20.7	0.0
Channel								
Frequency (MHz)				50500	50700	51000	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	19.08	19.06	19.03	20.7	0.0
Channel								
Frequency (MHz)				50250	50700	51150	Tune-up limit (dBm)	MPR (dB)
25	QPSK	1	1	19.08	19.06	19.03	20.7	0.0
Channel								
Frequency (MHz)				50100	50350	50600	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	19.08	19.06	19.03	20.7	0.0
Channel								
Frequency (MHz)				507500	507000	512500	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	19.08	19.06	19.03	20.7	0.0
Channel								
Frequency (MHz)				507000	507000	513000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	19.08	19.06	19.03	20.7	0.0
Channel								
Frequency (MHz)				506500	507000	513500	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	19.08	19.06	19.03	20.7	0.0



n25 Ant1 DSI3 Standalone 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				372000	376500	381000	20.3	0.0
Frequency (MHz)				1860	1862.5	1865		
20	PI2 BPSK	1	1	18.91	18.99	19.01		
20	PI2 BPSK	1	53	18.92	18.94	18.92		
20	PI2 BPSK	1	104	18.99	18.99	19.01	20.3	0.0
20	PI2 BPSK	50	0	18.94	19.04	18.99		
20	PI2 BPSK	50	28	18.88	19.02	18.88		
20	PI2 BPSK	50	56	18.92	18.99	18.88		
20	PI2 BPSK	100	0	18.93	19.06	18.90	20.3	0.0
20	QPSK	1	1	19.16	19.19	19.15		
20	QPSK	1	53	19.00	19.09	18.98		
20	QPSK	1	104	19.00	19.11	18.98		
20	QPSK	50	0	19.06	19.08	19.09	20.3	0.0
20	QPSK	50	23	19.05	19.16	19.12		
20	QPSK	50	56	18.98	19.06	18.93		
20	QPSK	100	0	19.01	19.11	19.01		
20	16QAM	1	1	19.00	19.09	18.96	20.3	0.0
20	64QAM	1	1	19.01	19.13	19.01		
20	256QAM	1	1	19.03	19.15	19.00		
Channel				371500	376500	381500		
Frequency (MHz)				1857.5	1862.5	1907.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	18.43	18.53	18.36	20.3	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1862.5	1910		
10	QPSK	1	1	18.51	18.62	18.40		
Channel				370500	376500	382500		
Frequency (MHz)				1862.5	1862.5	1912.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	18.42	18.60	18.40		

n30 Ant1 DSI3 Standalone 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				461500	466000	470500	21.5	0.0
Frequency (MHz)				2310	2310	2310		
10	PI2 BPSK	1	1	20.58	20.58	20.58		
10	PI2 BPSK	1	26	20.33	20.33	20.33		
10	PI2 BPSK	1	50	20.28	20.28	20.28	21.5	0.0
10	PI2 BPSK	25	0	20.23	20.23	20.23		
10	PI2 BPSK	25	14	20.22	20.22	20.22		
10	PI2 BPSK	25	27	20.24	20.24	20.24		
10	PI2 BPSK	50	0	20.21	20.21	20.21	21.5	0.0
10	QPSK	1	1	20.58	20.58	20.58		
10	QPSK	1	26	20.37	20.37	20.37		
10	QPSK	1	50	20.29	20.29	20.29		
10	QPSK	25	0	20.26	20.26	20.26	21.5	0.0
10	QPSK	25	14	20.27	20.27	20.27		
10	QPSK	25	27	20.25	20.25	20.25		
10	QPSK	50	0	20.29	20.29	20.29		
10	16QAM	1	1	20.19	20.19	20.19	21.5	0.0
10	64QAM	1	1	20.38	20.38	20.38		
10	256QAM	1	1	19.04	19.04	19.04		
Channel				461500	466000	470500		
Frequency (MHz)				2307.5	2310	2312.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	20.64	20.62	20.10	21.5	0.0

n66 Ant1 DSI3 Standalone Power								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000	19.8	0.0
Frequency (MHz)				1730	1745	1760		
40	PI2 BPSK	1	1	18.14	18.23	18.09		
40	PI2 BPSK	1	108	18.01	17.96	18.11		
40	PI2 BPSK	1	214	18.02	18.12	18.09	19.8	0.0
40	PI2 BPSK	108	0	18.18	18.21	18.13		
40	PI2 BPSK	108	54	18.16	18.20	18.08		
40	PI2 BPSK	108	108	18.10	18.16	18.11		
40	PI2 BPSK	216	0	18.15	18.17	18.01	19.8	0.0
40	QPSK	1	1	18.18	18.23	18.15		
40	QPSK	1	108	18.19	18.26	18.05		
40	QPSK	1	214	18.12	18.14	18.09		
40	QPSK	108	0	18.07	18.17	18.00	19.8	0.0
40	QPSK	108	54	18.11	18.27	18.12		
40	QPSK	108	108	18.17	18.18	18.00		
40	QPSK	216	0	18.11	18.26	18.00		
40	16QAM	1	1	18.20	18.16	18.03	19.8	0.0
40	64QAM	1	1	18.20	18.21	18.07		
40	256QAM	1	1	18.16	18.23	18.04		
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	18.20	18.22	18.04	19.8	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1730	1745	1770		
20	QPSK	1	1	18.10	18.24	18.04		
Channel				343000	349000	355000		
Frequency (MHz)				1717.5	1745	1772.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	18.10	18.16	18.11		
Channel				342000	349000	356000		
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	18.20	18.25	18.08	19.8	0.0
Channel				342000	349000	355000		
Frequency (MHz)				1722.5	1745	1777.5		
5	QPSK	1	1	18.14	18.27	18.05		

n71 Ant1 Standalone Reuse Full 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				134600	136100	137600	24.0	0.0	
Frequency (MHz)				675	680.5	685			
20	PI2 BPSK	1	1	22.60	22.78	22.79	24.0	0.0	
20	PI2 BPSK	1	53	22.65	22.87	22.79			
20	PI2 BPSK	1	104	22.63	22.65	22.55			
20	PI2 BPSK	50	0	22.64	22.84	22.85	24.0	0.0	
20	PI2 BPSK	50	24	22.67	22.88	22.77	24.0	0.0	
20	PI2 BPSK	50	56	22.80	22.81	22.61	24.0	0.0	
20	PI2 BPSK	100	0	22.69	22.86	22.65	24.0	0.0	
20	QPSK	1	1	22.73	22.82	22.86			
20	QPSK	1	53	22.81	22.85	22.78			
20	QPSK	1	104	22.61	22.67	22.65	24.0	0.0	
20	QPSK	50	0	22.80	22.83	22.81			
20	QPSK	50	28	22.75	22.87	22.71			
20	QPSK	50	95	22.81	22.81	22.81	24.0	0.0	
20	QPSK	100	0	22.68	22.83	22.68	24.0	0.0	
20	16QAM	1	1	22.70	22.86	22.69			
20	64QAM	1	1	22.19	22.28	22.11	23.0	1.0	
20	256QAM	1	1	20.05	20.05	20.00	21.0	3.0	
Channel				134100	136100	138100	Tune-up limit	MPR	
Frequency (MHz)				670.5	680.5	690.5	(dBm)	(dB)	
15	QPSK	1	1	22.71	22.88	22.68	24.0	0.0	
Channel				133500	136100	138600	Tune-up limit	MPR	
Frequency (MHz)				668	680.5	693	(dBm)	(dB)	
10	QPSK	1	1	22.56	22.84	22.73	24.0	0.0	
Channel				137100	137100	137100	Tune-up limit	MPR	
Frequency (MHz)				685.5	680.5	685.5	(dBm)	(dB)	
5	QPSK	1	1	22.59	22.84	22.70	24.0	0.0	



n2 Ant1 DSI3 Simultaneous Power							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)				1600	1600	1600	
20	Pl2 BPSK	1	1	15.33	15.42	15.29	
20	Pl2 BPSK	1	53	15.42	15.44	15.38	17.0
20	Pl2 BPSK	1	104	15.40	15.34	15.49	
20	Pl2 BPSK	50	0	15.47	15.25	15.51	17.0
20	Pl2 BPSK	50	26	15.25	15.47	15.36	17.0
20	Pl2 BPSK	50	56	15.23	15.38	15.24	
20	Pl2 BPSK	100	0	15.42	15.40	15.34	17.0
20	QPSK	1	1	15.47	15.59	15.43	
20	QPSK	1	53	15.44	15.36	15.46	17.0
20	QPSK	1	104	15.43	15.41	15.53	
20	QPSK	50	0	15.43	15.45	15.48	17.0
20	QPSK	50	26	15.31	15.51	15.35	17.0
20	QPSK	50	56	15.40	15.41	15.32	
20	QPSK	100	0	15.27	15.44	15.40	17.0
20	16QAM	1	1	15.33	15.43	15.35	17.0
20	64QAM	1	1	15.42	15.36	15.37	17.0
20	256QAM	1	1	15.45	15.34	15.45	17.0
Channel							
Frequency (MHz)				371900	376000	380500	
15	QPSK	1	1	15.43	15.37	15.41	17.0
Channel							
Frequency (MHz)				1865	1880	1905	
10	QPSK	1	1	15.46	15.33	15.38	17.0
Channel							
Frequency (MHz)				1892.5	1880	1907.5	
5	QPSK	1	1	15.43	15.31	15.36	17.0

n5 Ant1 Reuse Full power							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)				166800	167300	167800	
20	Pl2 BPSK	1	1	22.07	22.21	22.15	
20	Pl2 BPSK	1	53	22.86	22.95	22.79	24.0
20	Pl2 BPSK	1	104	22.92	22.98	22.86	
20	Pl2 BPSK	50	0	22.97	23.05	22.87	24.0
20	Pl2 BPSK	50	26	23.05	23.01	23.01	24.0
20	Pl2 BPSK	50	56	22.89	23.05	22.97	
20	Pl2 BPSK	100	0	22.86	23.02	22.84	24.0
20	QPSK	1	1	23.25	23.39	23.29	
20	QPSK	1	53	23.02	23.02	22.94	24.0
20	QPSK	1	104	23.08	23.05	22.92	
20	QPSK	50	0	23.04	23.12	22.93	24.0
20	QPSK	50	26	23.19	23.22	23.16	24.0
20	QPSK	50	56	23.12	23.19	23.10	24.0
20	QPSK	100	0	23.02	23.20	23.14	24.0
20	16QAM	1	1	23.16	23.19	23.24	24.0
20	64QAM	1	1	22.31	22.52	22.44	23.0
20	256QAM	1	1	19.94	20.22	19.95	21.0
Channel							
Frequency (MHz)				831.5	836.5	841.5	
15	QPSK	1	1	23.16	23.31	23.01	24.0
Channel							
Frequency (MHz)				829	836.5	844	
10	QPSK	1	1	23.06	23.28	23.22	24.0
Channel							
Frequency (MHz)				1628.0	1624.0	1632.0	
5	QPSK	1	1	23.20	23.25	23.10	24.0

n7 Ant1 DSI3 Simultaneous Power							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)				504000	507000	510000	
40	Pl2 BPSK	1	1	16.37	16.23	16.34	
40	Pl2 BPSK	1	108	16.00	16.07	15.99	17.5
40	Pl2 BPSK	1	214	16.08	16.22	16.09	
40	Pl2 BPSK	108	0	16.00	16.13	16.05	17.5
40	Pl2 BPSK	108	54	15.99	16.08	16.00	17.5
40	Pl2 BPSK	108	108	16.08	16.15	16.09	
40	Pl2 BPSK	216	0	16.10	16.20	16.11	17.5
40	QPSK	1	1	16.31	16.39	16.22	
40	QPSK	1	108	16.05	16.11	16.04	17.5
40	QPSK	1	214	16.12	16.21	16.11	
40	QPSK	108	0	16.16	16.07	16.14	17.5
40	QPSK	108	54	16.16	16.21	16.11	17.5
40	QPSK	108	108	16.08	16.17	16.11	
40	QPSK	216	0	16.94	16.08	16.01	17.5
40	16QAM	1	1	16.07	16.21	16.14	17.5
40	64QAM	1	1	16.07	16.19	16.07	17.5
40	256QAM	1	1	16.13	16.27	16.21	17.5
Channel							
Frequency (MHz)				2515	2535	2555	
30	QPSK	1	1	16.04	16.11	16.00	17.5
Channel							
Frequency (MHz)				2525.00	507000	511500	
25	QPSK	1	1	16.02	16.12	16.07	17.5
Channel							
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	1	16.08	16.15	16.02	17.5
Channel							
Frequency (MHz)				507000	507000	512500	
15	QPSK	1	1	16.08	16.19	16.00	17.5
Channel							
Frequency (MHz)				507000	507000	513000	
10	QPSK	1	1	16.05	16.17	16.01	17.5
Channel							
Frequency (MHz)				506500	507000	513500	
5	QPSK	1	1	16.09	16.20	16.04	17.5



n25 Ant1 DSI3 Simultaneous 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				372000	376000	381000			
Frequency (MHz)				1860	1882.5	1905			
20	Pi2 BPSK	1	1	15.50	15.58	15.62			
20	Pi2 BPSK	1	53	15.63	15.68	15.61	17.0	0.0	
20	Pi2 BPSK	1	104	15.62	15.54	15.63			
20	Pi2 BPSK	50	0	15.62	15.51	15.64	17.0	0.0	
20	Pi2 BPSK	50	26	15.50	15.64	15.58	17.0	0.0	
20	Pi2 BPSK	50	56	15.49	15.61	15.49			
20	Pi2 BPSK	100	0	15.56	15.66	15.60	17.0	0.0	
20	QPSK	1	1	15.77	15.79	15.71			
20	QPSK	1	53	15.67	15.53	15.63	17.0	0.0	
20	QPSK	1	104	15.65	15.56	15.69			
20	QPSK	50	0	15.63	15.68	15.64	17.0	0.0	
20	QPSK	50	26	15.54	15.69	15.58	17.0	0.0	
20	QPSK	50	56	15.57	15.68	15.56			
20	QPSK	100	0	15.50	15.65	15.55	17.0	0.0	
20	16QAM	1	1	15.51	15.58	15.62	17.0	0.0	
20	64QAM	1	1	15.64	15.51	15.59	17.0	0.0	
20	256QAM	1	1	15.59	15.53	15.67	17.0	0.0	
Channel				371800	376800	381800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1882.5	1907.5	(dB)		
15	QPSK	1	1	15.11	15.08	15.02	17.0	0.0	
Channel				371000	376000	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1882.5	1910	(dB)		
10	QPSK	1	1	15.09	15.12	15.01	17.0	0.0	
Channel				372000	376000	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1882.5	1912.5	(dB)		
5	QPSK	1	1	15.08	15.10	15.08	17.0	0.0	

n30 Ant1 DSI3 Simultaneous 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				461800	462000				
Frequency (MHz)				2310					
10	Pi2 BPSK	1	1		17.22				
10	Pi2 BPSK	1	26		17.18		17.8	0.0	
10	Pi2 BPSK	1	50		17.17				
10	Pi2 BPSK	25	0		17.25		17.8	0.0	
10	Pi2 BPSK	25	44		17.15		17.8	0.0	
10	Pi2 BPSK	25	27		17.12		17.8	0.0	
10	Pi2 BPSK	50	0		17.26				
10	QPSK	1	1		17.37				
10	QPSK	1	26		17.17		17.8	0.0	
10	QPSK	1	50		17.14				
10	QPSK	25	0		17.17		17.8	0.0	
10	QPSK	25	14		17.14		17.8	0.0	
10	QPSK	25	27		17.14		17.8	0.0	
10	QPSK	50	0		17.06		17.8	0.0	
10	16QAM	1	1		17.18		17.8	0.0	
10	64QAM	1	1		17.24		17.8	0.0	
10	256QAM	1	1		17.15		17.8	0.0	
Channel				461800	462000	462500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5	(dBm)		
5	QPSK	1	1	17.81	17.15	17.15	17.8	0.0	

n66 Ant1 DSI3 Simultaneous 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				345000	349000	352000			
Frequency (MHz)				1720	1745	1760			
40	Pi2 BPSK	1	1	17.15	17.21	17.27			
40	Pi2 BPSK	1	108	17.07	17.16	17.09	18.4	0.0	
40	Pi2 BPSK	1	214	17.12	17.21	17.22			
40	Pi2 BPSK	108	0	17.17	17.26	17.24	18.4	0.0	
40	Pi2 BPSK	108	44	17.13	17.25	17.02	18.4	0.0	
40	Pi2 BPSK	108	108	17.26	17.18	17.26			
40	Pi2 BPSK	216	0	17.23	17.13	17.22	18.4	0.0	
40	QPSK	1	1	17.20	17.31	17.23			
40	QPSK	1	108	17.11	17.25	17.20	18.4	0.0	
40	QPSK	1	214	17.23	17.30	17.23			
40	QPSK	108	0	17.22	17.22	17.13	18.4	0.0	
40	QPSK	108	54	17.10	17.26	17.02	18.4	0.0	
40	QPSK	108	108	17.05	17.20	17.16			
40	QPSK	216	0	17.17	17.27	17.23	18.4	0.0	
40	16QAM	1	1	17.16	17.22	17.18	18.4	0.0	
40	64QAM	1	1	17.14	17.11	17.26	18.4	0.0	
40	256QAM	1	1	17.10	17.25	17.16	18.4	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765	(dB)		
30	QPSK	1	1	17.24	17.17	17.27	18.4	0.0	
Channel				345000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770	(dB)		
20	QPSK	1	1	17.16	17.19	17.26	18.4	0.0	
Channel				345000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	(dB)		
15	QPSK	1	1	17.20	17.17	17.20	18.4	0.0	
Channel				345000	349000	356000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	(dB)		
10	QPSK	1	1	17.21	17.21	17.22	18.4	0.0	
Channel				345000	349000	356000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	(dB)		
5	QPSK	1	1	17.26	17.22	17.19	18.4	0.0	

n71 Ant1 DSI3 Simultaneous Reuse Full power								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 134600	Power Middle Ch. / Freq. 136100	Power High Ch. / Freq. 137600	Tune-up limit (dBm)	MPR (dB)
Channel				675	680.5	685		
Frequency (MHz)								
20	PI2 BPSK	1	1	22.60	22.78	22.79		
20	PI2 BPSK	1	53	22.65	22.87	22.79	24.0	0.0
20	PI2 BPSK	1	104	22.63	22.65	22.55		
20	PI2 BPSK	50	0	22.64	22.84	22.85	24.0	0.0
20	PI2 BPSK	50	24	22.67	22.88	22.77	24.0	0.0
20	PI2 BPSK	50	56	22.80	22.81	22.61	24.0	0.0
20	PI2 BPSK	100	0	22.69	22.86	22.65		
20	QPSK	1	1	22.73	22.82	22.86		
20	QPSK	1	53	22.81	22.85	22.78	24.0	0.0
20	QPSK	1	104	22.61	22.67	22.65		
20	QPSK	50	0	22.80	22.83	22.81	24.0	0.0
20	QPSK	50	28	22.75	22.87	22.71	24.0	0.0
20	QPSK	50	55	22.81	22.81	22.81	24.0	0.0
20	QPSK	100	0	22.68	22.83	22.68		
20	16QAM	1	1	22.70	22.86	22.69	24.0	0.0
20	64QAM	1	1	22.19	22.25	22.11	23.0	1.0
20	256QAM	1	1	20.05	20.05	20.00	21.0	3.0
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.71	22.88	22.68	24.0	0.0
Channel				135000	136100	136600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	22.55	22.84	22.73	24.0	0.0
Channel				137100	137500	137500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				685.5	690.5	695.5		
5	QPSK	1	1	22.59	22.84	22.70	24.0	0.0

n41 Ant1 DSI3 Standalone Power PC3									
BW [MHz]	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	2546.01	2640	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	18.74	18.91	18.87	20.3	0.0	
100	PI/2 BPSK	1	137	18.60	18.68	18.64			
100	PI/2 BPSK	1	271	18.54	18.66	18.48			
100	PI/2 BPSK	135	0	18.60	18.75	18.65			
100	PI/2 BPSK	135	69	18.56	18.74	18.66	20.3	0.0	
100	PI/2 BPSK	135	138	18.56	18.67	18.54	20.3	0.0	
100	PI/2 BPSK	270	0	18.56	18.60	18.51	20.3	0.0	
100	QPSK	1	1	19.03	19.05	19.00			
100	QPSK	1	137	18.54	18.69	18.62			
100	QPSK	1	271	18.45	18.57	18.39			
100	QPSK	135	0	18.56	18.67	18.71	20.3	0.0	
100	QPSK	135	69	18.49	18.72	18.59	20.3	0.0	
100	QPSK	135	138	18.52	18.57	18.55	20.3	0.0	
100	QPSK	270	0	18.57	18.72	18.59			
100	16QAM	1	1	18.71	18.78	18.68	20.3	0.0	
100	64QAM	1	1	18.84	18.85	18.72	20.3	0.0	
100	256QAM	1	1	17.54	17.66	17.56	19.5	0.8	
Channel				508200	518598	528998	2541	2644.98	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	18.52	18.68	18.57	20.3	0.0	
Channel				507204	518598	529998	2536.02	2649.99	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	18.56	18.69	18.57	20.3	0.0	
Channel				506202	518598	531000	2531.01	2659.99	
Frequency (MHz)				2531.01	2592.99	2659.99			
70	QPSK	1	1	18.52	18.67	18.61	20.3	0.0	
Channel				505200	518598	531998	2526	2659.98	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	18.49	18.59	18.48	20.3	0.0	
Channel				504204	518598	532998	2521.02	2664.99	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	18.54	18.61	18.58	20.3	0.0	
Channel				503202	518598	534000	2516.01	2670	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	18.51	18.63	18.57	20.3	0.0	
Channel				502200	518598	534998	2511	2674.98	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	18.56	18.70	18.50	20.3	0.0	
Channel				501204	518598	535998	2506.02	2679.99	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	18.45	18.62	18.51	20.3	0.0	

n41 Ant1 DSI3 Standalone Power PC2									
BW [MHz]	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	2546.01	2640	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	18.89	19.01	18.94	20.3	0.0	
100	PI/2 BPSK	1	137	18.91	18.95	18.90			
100	PI/2 BPSK	1	271	18.87	18.97	18.97			
100	PI/2 BPSK	135	0	18.70	18.84	18.71			
100	PI/2 BPSK	135	69	18.86	19.05	18.99	20.3	0.0	
100	PI/2 BPSK	135	138	18.60	18.73	18.62	20.3	0.0	
100	PI/2 BPSK	270	0	18.95	19.02	18.95			
100	QPSK	1	1	19.18	19.21	19.11			
100	QPSK	1	137	18.90	19.05	18.91			
100	QPSK	1	271	18.85	19.02	18.89	20.3	0.0	
100	QPSK	135	0	18.93	18.98	19.00			
100	QPSK	135	69	18.91	19.10	18.93			
100	QPSK	135	138	18.89	18.99	19.00			
100	QPSK	270	0	18.79	18.99	18.88	20.3	0.0	
100	16QAM	1	1	18.81	18.90	18.78	20.3	0.0	
100	64QAM	1	1	18.91	18.98	18.89	20.3	0.0	
100	256QAM	1	1	18.62	18.76	18.65	20.3	0.0	
Channel				508200	518598	528998	2541	2644.98	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	18.80	18.89	18.80	20.3	0.0	
Channel				507204	518598	529998	2536.02	2649.99	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	18.78	18.94	18.88	20.3	0.0	
Channel				506202	518598	531000	2531.01	2659.99	
Frequency (MHz)				2531.01	2592.99	2659.99			
70	QPSK	1	1	18.83	18.91	18.86	20.3	0.0	
Channel				505200	518598	531998	2526	2659.98	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	18.79	18.95	18.85	20.3	0.0	
Channel				504204	518598	532998	2521.02	2664.99	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	18.79	18.87	18.88	20.3	0.0	
Channel				503202	518598	534000	2516.01	2670	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	18.78	18.93	18.82	20.3	0.0	
Channel				502200	518598	534998	2511	2674.98	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	18.82	18.88	18.79	20.3	0.0	
Channel				501204	518598	535998	2506.02	2679.99	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	18.81	18.92	18.79	20.3	0.0	

n41 Ant1 DSI3 Simultaneous Power PC3									
BW [MHz]	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	2640		
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	15.19	15.21	15.13	16.7	0.0	
100	PI/2 BPSK	1	137	15.17	15.39	15.23			
100	PI/2 BPSK	1	271	14.95	15.20	15.08	16.7	0.0	
100	PI/2 BPSK	135	0	15.12	15.34	15.07			
100	PI/2 BPSK	135	69	15.16	15.37	15.16	16.7	0.0	
100	PI/2 BPSK	135	138	14.98	15.12	15.12			
100	PI/2 BPSK	270	0	15.05	15.10	14.99	16.7	0.0	
100	QPSK	1	1	15.26	15.41	15.34			
100	QPSK	1	137	15.04	15.16	14.98	16.7	0.0	
100	QPSK	1	271	15.05	15.22	15.13			
100	QPSK	135	0	15.08	15.14	15.14	16.7	0.0	
100	QPSK	135	69	15.06	15.17	15.07			
100	QPSK	135	138	15.02	15.08	15.04	16.7	0.0	
100	QPSK	270	0	15.01	15.22	15.15			
100	16QAM	1	1	15.23	15.13	15.16	16.7	0.0	
100	64QAM	1	1	15.28	15.27	15.19			
100	256QAM	1	1	15.24	15.25	15.12	16.7	0.0	
Channel				508200	518598	528998		Tune-up limit (dBm)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	15.17	15.19	15.13	16.7	0.0	
Channel				507204	518598	529998		Tune-up limit (dBm)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	15.24	15.23	15.05	16.7	0.0	
Channel				506202	518598	531000		Tune-up limit (dBm)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	15.20	15.29	15.15	16.7	0.0	
Channel				505200	518598	531998		Tune-up limit (dBm)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	15.24	15.30	15.09	16.7	0.0	
Channel				504204	518598	532998		Tune-up limit (dBm)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	15.17	15.22	15.04	16.7	0.0	
Channel				503202	518598	534000		Tune-up limit (dBm)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	15.26	15.22	15.13	16.7	0.0	
Channel				502200	518598	534998		Tune-up limit (dBm)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	15.17	15.25	15.02	16.7	0.0	
Channel				501204	518598	535998		Tune-up limit (dBm)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	15.26	15.30	15.02	16.7	0.0	
Channel				500200	518598	536998		Tune-up limit (dBm)	
Frequency (MHz)				2501	2592.99	2674.98			

n41 Ant1 DSI3 Simultaneous Power PC2									
BW [MHz]	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	2640		
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	15.42	15.46	15.32	16.7	0.0	
100	PI/2 BPSK	1	137	15.42	15.21	15.38			
100	PI/2 BPSK	1	271	15.24	15.43	15.31	16.7	0.0	
100	PI/2 BPSK	135	0	15.30	15.45	15.30			
100	PI/2 BPSK	135	69	15.43	15.45	15.45	16.7	0.0	
100	PI/2 BPSK	135	138	15.27	15.38	15.31			
100	PI/2 BPSK	270	0	15.25	15.37	15.26	16.7	0.0	
100	QPSK	1	1	15.44	15.47	15.41			
100	QPSK	1	137	15.31	15.38	15.24	16.7	0.0	
100	QPSK	1	271	15.30	15.43	15.30			
100	QPSK	135	0	15.36	15.43	15.38	16.7	0.0	
100	QPSK	135	69	15.31	15.44	15.33			
100	QPSK	135	138	15.27	15.37	15.24	16.7	0.0	
100	QPSK	270	0	15.20	15.46	15.40			
100	16QAM	1	1	15.41	15.43	15.45	16.7	0.0	
100	64QAM	1	1	15.45	15.35	15.46			
100	256QAM	1	1	15.43	15.39	15.31	16.7	0.0	
Channel				508200	518598	528998		Tune-up limit (dBm)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	15.25	15.26	15.20	16.7	0.0	
Channel				507204	518598	529998		Tune-up limit (dBm)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	15.25	15.30	15.26	16.7	0.0	
Channel				506202	518598	531000		Tune-up limit (dBm)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	15.24	15.17	15.29	16.7	0.0	
Channel				505200	518598	531998		Tune-up limit (dBm)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	15.30	15.31	15.23	16.7	0.0	
Channel				504204	518598	532998		Tune-up limit (dBm)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	15.28	15.25	15.24	16.7	0.0	
Channel				503202	518598	534000		Tune-up limit (dBm)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	15.24	15.11	15.23	16.7	0.0	
Channel				502200	518598	534998		Tune-up limit (dBm)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	15.24	15.31	15.18	16.7	0.0	
Channel				501204	518598	535998		Tune-up limit (dBm)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	15.24	15.11	15.26	16.7	0.0	
Channel				500200	518598	536998		Tune-up limit (dBm)	
Frequency (MHz)				2501	2592.99	2674.98			



Par27O n77 Ant2 DSI3 Standalone PC3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	PV2 BPSK	1	1	14.16	14.23	14.17			
100	PV2 BPSK	1	137	14.24	14.31	14.31	15.7	0.0	
100	PV2 BPSK	1	271	14.13	14.29	14.09			
100	PV2 BPSK	135	0	14.28	14.31	14.21	15.7	0.0	
100	PV2 BPSK	135	69	14.16	14.27	14.17	15.7	0.0	
100	PV2 BPSK	135	138	14.21	14.32	14.21	15.7	0.0	
100	PV2 BPSK	270	0	14.11	14.23	14.10			
100	QPSK	1	1	14.32	14.34	14.27			
100	QPSK	1	137	14.15	14.29	14.17	15.7	0.0	
100	QPSK	1	271	14.24	14.19	14.28			
100	QPSK	135	0	14.31	14.28	14.19	15.7	0.0	
100	QPSK	135	69	14.31	14.33	14.27	15.7	0.0	
100	QPSK	135	138	14.11	14.19	14.03	15.7	0.0	
100	QPSK	270	0	14.27	14.26				
100	16QAM	1	1	14.18	14.28	14.32	15.7	0.0	
100	16QAM	1	1	14.20	14.25	14.19	15.7	0.0	
100	256QAM	1	1	14.16	14.21	14.17	15.7	0.0	
Channel				649688	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	13.98	14.08	14.12	15.7	0.0	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	13.98	14.08	14.12	15.7	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735.02	3840	3945.01			
70	QPSK	1	1	13.98	14.08	14.12	15.7	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	13.98	14.08	14.12	15.7	0.0	
Channel				648334	650000	661666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	13.98	14.08	14.12	15.7	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720.02	3840	3960.01			
40	QPSK	1	1	13.98	14.08	14.12	15.7	0.0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	13.98	14.08	14.12	15.7	0.0	
Channel				647334	650000	664666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3840	3967.5			
20	QPSK	1	1	13.98	14.08	14.12	15.7	0.0	

Par27O n77 Ant2 DSI3 Standalone PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	PV2 BPSK	1	1	16.90	16.98	16.98			
100	PV2 BPSK	1	137	17.14	17.19	17.23	18.7	0.0	
100	PV2 BPSK	1	271	16.97	17.13	16.98			
100	PV2 BPSK	135	0	17.11	17.27	17.16	18.7	0.0	
100	PV2 BPSK	135	69	17.06	17.18	17.17	18.7	0.0	
100	PV2 BPSK	135	138	17.13	17.26	17.19	18.7	0.0	
100	PV2 BPSK	270	0	17.02	17.10	17.04			
100	QPSK	1	1	17.22	17.31	17.21			
100	QPSK	1	137	17.04	17.28	17.12	18.7	0.0	
100	QPSK	1	271	17.15	17.15	17.10			
100	QPSK	135	0	17.18	17.19	17.11	18.7	0.0	
100	QPSK	135	69	17.22	17.27	17.10	18.7	0.0	
100	QPSK	135	138	17.04	17.13	16.97	18.7	0.0	
100	QPSK	270	0	17.06	17.16	17.01			
100	16QAM	1	1	17.10	17.19	17.26	18.7	0.0	
100	16QAM	1	1	17.09	17.10	17.14	18.7	0.0	
100	256QAM	1	1	16.94	17.20	17.08	18.7	0.0	
Channel				649688	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	17.06	17.18	17.02	18.7	0.0	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	17.04	17.20	17.13	18.7	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735.02	3840	3945.01			
70	QPSK	1	1	17.08	17.28	17.10	18.7	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	17.03	17.14	17.06	18.7	0.0	
Channel				648334	650000	663666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	17.06	17.15	17.06	18.7	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720.02	3840	3960.01			
40	QPSK	1	1	17.03	17.03	17.04	18.7	0.0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	17.12	17.17	17.04	18.7	0.0	
Channel				647334	650000	664666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	16.98	17.12	17.04	18.7	0.0	

Par27Q n77 Ant2 DSI3 Standalone PC3									
BW [MHz]	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	653334	656666			
Frequency (MHz)				3750.01	3800.01				
100	PV2 BPSK	1	1		14.04				
100	PV2 BPSK	1	137		13.62		15.7		0.0
100	PV2 BPSK	1	271		13.93				
100	PV2 BPSK	135	0		13.89				
100	PV2 BPSK	135	69		13.89		15.7	0.0	
100	PV2 BPSK	135	138		13.90				
100	PV2 BPSK	270	0		13.93		15.7	0.0	
100	QPSK	1	1		14.26				
100	QPSK	1	137		14.02		15.7	0.0	
100	QPSK	1	271		13.99				
100	QPSK	135	0		13.96				
100	QPSK	135	69		14.12		15.7	0.0	
100	QPSK	135	138		13.85				
100	QPSK	270	0		14.14		15.7	0.0	
100	16QAM	1	1		13.91		15.7	0.0	
100	16QAM	1	1		13.97		15.7	0.0	
100	256QAM	1	1		14.08		15.7	0.0	
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	13.62	13.90	13.53	15.7	0.0	
Channel				632666	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510.01			
80	QPSK	1	1	13.49	13.82	13.57	15.7	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	13.59	13.70	13.53	15.7	0.0	
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	13.54	13.81	13.52	15.7	0.0	
Channel				631666	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	13.58	13.90	13.58	15.7	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	13.49	13.84	13.54	15.7	0.0	
Channel				631000	633334	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	13.45	13.88	13.55	15.7	0.0	
Channel				630666	633334	635999	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	13.50	13.82	13.59	15.7	0.0	

Par27Q n77 Ant2 DSI3 Standalone PC2									
BW (MHz)	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	P12 BPSK	1	1		17.37		18.7	0.0	
100	P12 BPSK	1	137		17.28				
100	P12 BPSK	1	271		17.29				
100	P12 BPSK	135	0		17.23		15.2	3.5	
100	P12 BPSK	135	69		17.24		18.7	0.0	
100	P12 BPSK	135	138		17.22		15.2	3.5	
100	P12 BPSK	270	0		17.27		18.7	0.0	
100	QPSK	1	1		17.46				
100	QPSK	1	137		17.32		18.7	0.0	
100	QPSK	1	271		17.31				
100	QPSK	135	0		17.30		15.2	3.5	
100	QPSK	135	69		17.46		18.7	0.0	
100	QPSK	135	138		17.15		15.2	3.5	
100	QPSK	270	0		17.39		18.7	0.0	
100	16QAM	1	1		17.26		18.7	0.0	
100	64QAM	1	1		17.33		18.7	0.0	
100	256QAM	1	1		17.37		18.7	0.0	
Channel				633000	633334	633688	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
90	QPSK	1	1	16.55	16.77	16.57	18.7	0.0	
Channel				635705	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
80	QPSK	1	1	16.48	16.83	16.58	18.7	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
70	QPSK	1	1	16.54	16.88	16.54	18.7	0.0	
Channel				632000	633334	634688	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
60	QPSK	1	1	16.62	16.82	16.63	18.7	0.0	
Channel				631000	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
50	QPSK	1	1	16.54	16.84	16.61	18.7	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
40	QPSK	1	1	16.52	16.89	16.59	18.7	0.0	
Channel				631000	633334	635688	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
30	QPSK	1	1	16.57	16.81	16.63	18.7	0.0	
Channel				635705	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
20	QPSK	1	1	16.58	16.85	16.54	18.7	0.0	

Part270 n78 Ant2 DSI3 Standalone PC3									
BW (MHz)	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	P12 BPSK	1	1		13.94				
100	P12 BPSK	1	137		13.96		15.7	0.0	
100	P12 BPSK	1	271		13.97				
100	P12 BPSK	135	0		13.99		15.7	0.0	
100	P12 BPSK	135	69		13.90		15.7	0.0	
100	P12 BPSK	135	138		14.00		15.7	0.0	
100	P12 BPSK	270	0		14.00				
100	QPSK	1	1		14.20				
100	QPSK	1	137		13.93		15.7	0.0	
100	QPSK	1	271		13.88				
100	QPSK	135	0		13.99		15.7	0.0	
100	QPSK	135	69		14.04		15.7	0.0	
100	QPSK	135	138		13.87		15.7	0.0	
100	QPSK	270	0		13.93				
100	16QAM	1	1		14.03		15.7	0.0	
100	64QAM	1	1		13.91		15.7	0.0	
100	256QAM	1	1		13.96		15.7	0.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3756.01			
90	QPSK	1	1	13.92	13.97	13.82	15.7	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	13.93	13.96	13.85	15.7	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735.00	3745	3755			
70	QPSK	1	1	13.87	13.94	13.84	15.7	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3761.01			
60	QPSK	1	1	13.90	14.03	13.83	15.7	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	13.89	14.05	13.82	15.7	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720.00	3750	3780			
40	QPSK	1	1	13.90	13.99	13.82	15.7	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3786.01			
30	QPSK	1	1	13.88	14.06	13.77	15.7	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.55	3750	3787.55			
20	QPSK	1	1	13.85	14.05	13.87	15.7	0.0	

Part270 n78 Ant2 DS13 Standalone PC2									
BW (MHz)	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	P12 BPSK	1	1		17.11				
100	P12 BPSK	1	137		17.21		18.7	0.0	
100	P12 BPSK	1	271		17.19				
100	P12 BPSK	135	0		17.11		18.7	0.0	
100	P12 BPSK	135	69		17.15		18.7	0.0	
100	P12 BPSK	135	138		17.19		18.7	0.0	
100	P12 BPSK	270	0		17.07				
100	QPSK	1	1		17.22				
100	QPSK	1	137		17.21		18.7	0.0	
100	QPSK	1	271		17.14				
100	QPSK	135	0		17.19		18.7	0.0	
100	QPSK	135	69		17.21		18.7	0.0	
100	QPSK	135	138		17.13		18.7	0.0	
100	QPSK	270	0		17.20				
100	16QAM	1	1		17.15		18.7	0.0	
100	64QAM	1	1		17.13		18.7	0.0	
100	256QAM	1	1		17.20		18.7	0.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		16.84	16.97	16.88	18.7	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		16.77	16.97	16.79	18.7	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735.01	3745	3755			
70	QPSK	1	1		16.75	16.91	16.86	18.7	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		16.75	16.90	16.81	18.7	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		16.85	17.00	16.89	18.7	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720.01	3750	3780			
40	QPSK	1	1		16.82	17.00	16.81	18.7	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		16.73	17.02	16.80	18.7	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		16.82	17.02	16.81	18.7	

Par27Q n78 Ant2 DSI3 Standalone PC3								
BW (MHz)	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		13.49			
100	PI/2 BPSK	1	137		13.29		15.7	0.0
100	PI/2 BPSK	1	271		13.31			
100	PI/2 BPSK	135	0		13.32			
100	PI/2 BPSK	135	69		13.24		15.7	0.0
100	PI/2 BPSK	135	138		13.25			
100	PI/2 BPSK	270	0		13.28		15.7	0.0
100	QPSK	1	1		13.85			
100	QPSK	1	137		13.44		15.7	0.0
100	QPSK	1	271		13.40			
100	QPSK	135	0		13.38			
100	QPSK	135	69		13.46		15.7	0.0
100	QPSK	135	138		13.28			
100	QPSK	270	0		13.50		15.7	0.0
100	16QAM	1	1		13.32		15.7	0.0
100	64QAM	1	1		13.38		15.7	0.0
100	256QAM	1	1		13.40		15.7	0.0
Channel				633000	633334	633668	Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1		13.36	13.43	13.32	15.7 0.0
Channel				632668	633334	634000	Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1		13.30	13.35	13.40	15.7 0.0
Channel				632334	633334	634334	Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1		13.33	13.48	13.44	15.7 0.0
Channel				632000	633334	634668	Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1		13.28	13.46	13.32	15.7 0.0
Channel				631668	633334	635000	Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1		13.28	13.43	13.44	15.7 0.0
Channel				631334	633334	635334	Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1		13.29	13.47	13.39	15.7 0.0
Channel				631000	633334	635668	Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1		13.36	13.37	13.37	15.7 0.0
Channel				630668	633334	636000	Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1		13.35	13.47	13.39	15.7 0.0

Par27Q n78 Ant2 DSI3 Standalone PC2								
BW (MHz)	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		16.62			
100	PI/2 BPSK	1	137		16.50		18.7	0.0
100	PI/2 BPSK	1	271		16.46			
100	PI/2 BPSK	135	0		16.44		15.2	3.5
100	PI/2 BPSK	135	69		16.42		18.7	0.0
100	PI/2 BPSK	135	138		16.43		15.2	3.5
100	PI/2 BPSK	270	0		16.50		18.7	0.0
100	QPSK	1	1		16.83			
100	QPSK	1	137		16.52		18.7	0.0
100	QPSK	1	271		16.55			
100	QPSK	135	0		16.51		15.2	3.5
100	QPSK	135	69		16.51		18.7	0.0
100	QPSK	135	138		16.41		15.2	3.5
100	QPSK	270	0		16.62		18.7	0.0
100	16QAM	1	1		16.50		18.7	0.0
100	64QAM	1	1		16.55		18.7	0.0
100	256QAM	1	1		16.64		18.7	0.0
Channel				633000	633334	633668	Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1		16.39	16.41	16.44	18.7 0.0
Channel				632668	633334	634000	Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1		16.32	16.41	16.41	18.7 0.0
Channel				632334	633334	634334	Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1		16.29	16.40	16.44	18.7 0.0
Channel				632000	633334	634668	Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1		16.33	16.46	16.35	18.7 0.0
Channel				631668	633334	635000	Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1		16.33	16.37	16.36	18.7 0.0
Channel				631334	633334	635334	Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1		16.35	16.36	16.32	18.7 0.0
Channel				631000	633334	635668	Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1		16.40	16.38	16.38	18.7 0.0
Channel				630668	633334	636000	Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1		16.28	16.42	16.36	18.7 0.0



Par27O n77 Ant2 DSI3 Simultaneous PC3

BW [MHz]	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	660000	14.4	0.0
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	13.00	13.09	12.99		
100	PI2 BPSK	1	137	13.22	13.35	13.27		
100	PI2 BPSK	1	271	13.18	13.31	13.15	14.4	0.0
100	PI2 BPSK	135	0	13.22	13.32	13.22	14.4	0.0
100	PI2 BPSK	135	69	13.06	13.28	13.14	14.4	0.0
100	PI2 BPSK	135	138	13.31	13.27	13.24	14.4	0.0
100	PI2 BPSK	270	0	13.12	13.19	13.11	14.4	0.0
100	QPSK	1	1	13.21	13.35	13.30	14.4	0.0
100	QPSK	1	137	13.25	13.31	13.24	14.4	0.0
100	QPSK	1	271	13.23	13.29	13.22	14.4	0.0
100	QPSK	135	0	13.35	13.26	13.24	14.4	0.0
100	QPSK	135	69	13.30	13.37	13.14	14.4	0.0
100	QPSK	135	138	13.05	13.13	13.09	14.4	0.0
100	QPSK	270	0	13.11	13.28	13.10	14.4	0.0
100	16QAM	1	1	13.11	13.18	13.25	14.4	0.0
100	64QAM	1	1	13.24	13.30	13.20	14.4	0.0
100	256QAM	1	1	13.10	13.23	13.07	14.4	0.0
Channel				649688	650000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01	14.4	0.0
90	QPSK	1	1	12.98	12.14	12.06	14.4	0.0
Channel				649334	650000	662505	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02	14.4	0.0
80	QPSK	1	1	12.98	12.12	12.97	14.4	0.0
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725	3840	3945	14.4	0.0
70	QPSK	1	1	12.97	12.09	12.99	14.4	0.0
Channel				648688	650000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01	14.4	0.0
60	QPSK	1	1	12.03	12.03	12.59	14.4	0.0
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02	14.4	0.0
50	QPSK	1	1	12.98	12.11	12.05	14.4	0.0
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960	14.4	0.0
40	QPSK	1	1	12.03	12.14	12.07	14.4	0.0
Channel				647688	650000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01	14.4	0.0
30	QPSK	1	1	12.03	12.02	12.04	14.4	0.0
Channel				3715	3750	3790	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				-5844.28	-5842.4	-5840.51	14.4	0.0
20	QPSK	1	1	12.99	12.11	12.03	14.4	0.0

Par27O n77 Ant2 DSI3 Simultaneous PC2

BW [MHz]	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	660000	17.4	0.0
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	16.11	16.16	16.12		
100	PI2 BPSK	1	137	16.36	16.44	16.37		
100	PI2 BPSK	1	271	16.26	16.36	16.25	17.4	0.0
100	PI2 BPSK	135	0	16.30	16.37	16.30	17.4	0.0
100	PI2 BPSK	135	69	16.20	16.32	16.25	17.4	0.0
100	PI2 BPSK	135	138	16.34	16.40	16.29	17.4	0.0
100	PI2 BPSK	270	0	16.22	16.33	16.22	17.4	0.0
100	QPSK	1	1	16.33	16.47	16.38	17.4	0.0
100	QPSK	1	137	16.30	16.45	16.30	17.4	0.0
100	QPSK	1	271	16.33	16.33	16.34	17.4	0.0
100	QPSK	135	0	16.39	16.38	16.29	17.4	0.0
100	QPSK	135	69	16.33	16.40	16.31	17.4	0.0
100	QPSK	135	138	16.20	16.28	16.17	17.4	0.0
100	QPSK	270	0	16.27	16.33	16.26	17.4	0.0
100	16QAM	1	1	16.28	16.32	16.37	17.4	0.0
100	64QAM	1	1	16.36	16.37	16.37	17.4	0.0
100	256QAM	1	1	16.18	16.36	16.20	17.4	0.0
Channel				649688	650000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01	17.4	0.0
90	QPSK	1	1	16.22	16.12	16.23	17.4	0.0
Channel				649334	650000	662505	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02	17.4	0.0
80	QPSK	1	1	16.16	16.16	16.19	17.4	0.0
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725	3840	3945	17.4	0.0
70	QPSK	1	1	16.22	16.15	16.16	17.4	0.0
Channel				648688	650000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01	17.4	0.0
60	QPSK	1	1	16.19	16.11	16.20	17.4	0.0
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02	17.4	0.0
50	QPSK	1	1	16.18	16.19	16.19	17.4	0.0
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960	17.4	0.0
40	QPSK	1	1	16.19	16.18	16.22	17.4	0.0
Channel				647688	650000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01	17.4	0.0
30	QPSK	1	1	16.21	16.24	16.16	17.4	0.0
Channel				647334	650000	663998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02	17.4	0.0
20	QPSK	1	1	16.24	16.11	16.25	17.4	0.0

Par27Q n77 Ant2 DSI3 Simultaneous PC3

BW [MHz]	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	633334	3500.01	14.4	0.0
Frequency (MHz)								
100	PI2 BPSK	1	1			13.26		
100	PI2 BPSK	1	137			13.18		
100	PI2 BPSK	1	271			13.01	14.4	0.0
100	PI2 BPSK	135	0			13.03	14.4	0.0
100	PI2 BPSK	135	69			13.11	14.4	0.0
100	PI2 BPSK	135	138			12.97	14.4	0.0
100	PI2 BPSK	270	0			13.11	14.4	0.0
100	QPSK	1	1			13.02	14.4	0.0
100	QPSK	1	137			13.24	14.4	0.0
100	QPSK	1	271			13.10	14.4	0.0
100	QPSK	135	0			13.03	14.4	0.0
100	QPSK	135	69			13.19	14.4	0.0
100	QPSK	135	138			12.89	14.4	0.0
100	QPSK	270	0			13.13	14.4	0.0
100	16QAM	1	1			13.05	14.4	0.0
100	64QAM	1	1			13.09	14.4	0.0
100	256QAM	1	1			13.16	14.4	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485	3500.01	3505.02	14.4	0.0
90	QPSK	1	1	12.96	12.02	12.11	14.4	0.0
Channel				632998	633335	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1592.01	1600.02	1608	14.4	0.0
80	QPSK	1	1	12.88	12.01	12.09	14.4	0.0
Channel				632335	633335	634335	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1588.02	1600.02	1612.02	14.4	0.0
70	QPSK	1	1	12.92	12.03	12.05	14.4	0.0
Channel				632000	633335	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1584	1600.02	1616.01	14.4	0.0
60	QPSK	1	1	12.94	12.02	12.06	14.4	0.0
Channel				631668	633335	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1580.01	1600.02	1620	14.4	0.0
50	QPSK	1	1	12.89	12.04	12.04	14.4	0.0
Channel				631335	633335	635335	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1576.02	1600.02	1624.02	14.4	0.0
40	QPSK	1	1	12.88	12.09	12.07	14.4	0.0
Channel				631000	633335	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1572	1600.02	1628.01	14.4	0.0
30	QPSK	1	1	12.94	12.07	12.12	14.4	0.0
Channel				630998	633335	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1568.01	1600.02	1632	14.4	0.0
20	QPSK	1	1	12.85	12.01	12.12	14.4	0.0