

10547	AAC	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc dc)	WLAN	8.49	± 9.6 %
10548	AAC	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc dc)	WLAN	8.37	± 9.6 %
10550	AAC	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc dc)	WLAN	8.39	± 9.6 %
10551	AAC	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc dc)	WLAN	8.50	± 9.6 %
10552	AAC	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc dc)	WLAN	8.42	± 9.6 %
10553	AAC	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc dc)	WLAN	8.45	± 9.6 %
10554	AAD	IEEE 802.11ac WiFi (160MHz, MCS0, 99pc dc)	WLAN	8.48	± 9.6 %
10555	AAD	IEEE 802.11ac WiFi (160MHz, MCS1, 99pc dc)	WLAN	8.47	± 9.6 %
10556	AAD	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc dc)	WLAN	8.50	± 9.6 %
10557	AAD	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc dc)	WLAN	8.52	± 9.6 %
10558	AAD	IEEE 802.11ac WiFi (160MHz, MCS4, 99pc dc)	WLAN	8.61	± 9.6 %
10560	AAD	IEEE 802.11ac WiFi (160MHz, MCS6, 99pc dc)	WLAN	8.73	± 9.6 %
10561	AAD	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc dc)	WLAN	8.56	± 9.6 %
10562	AAD	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc dc)	WLAN	8.69	± 9.6 %
10563	AAD	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc dc)	WLAN	8.77	± 9.6 %
10564	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc dc)	WLAN	8.25	± 9.6 %
10565	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc dc)	WLAN	8.45	± 9.6 %
10566	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc dc)	WLAN	8.13	± 9.6 %
10567	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc dc)	WLAN	8.00	± 9.6 %
10568	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc dc)	WLAN	8.37	± 9.6 %
10569	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc dc)	WLAN	8.10	± 9.6 %
10570	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc dc)	WLAN	8.30	± 9.6 %
10571	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc dc)	WLAN	1.99	± 9.6 %
10572	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc dc)	WLAN	1.99	± 9.6 %
10573	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc dc)	WLAN	1.98	± 9.6 %
10574	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc dc)	WLAN	1.98	± 9.6 %
10575	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc dc)	WLAN	8.59	± 9.6 %
10576	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc dc)	WLAN	8.60	± 9.6 %
10577	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc)	WLAN	8.70	± 9.6 %
10578	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc dc)	WLAN	8.49	± 9.6 %
10579	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc dc)	WLAN	8.36	± 9.6 %
10580	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc)	WLAN	8.76	± 9.6 %
10581	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc)	WLAN	8.35	± 9.6 %
10582	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc)	WLAN	8.67	± 9.6 %
10583	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc dc)	WLAN	8.59	± 9.6 %
10584	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc dc)	WLAN	8.60	± 9.6 %
10585	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc)	WLAN	8.70	± 9.6 %
10586	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc dc)	WLAN	8.49	± 9.6 %
10587	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc dc)	WLAN	8.36	± 9.6 %
10588	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc dc)	WLAN	8.76	± 9.6 %
10589	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc)	WLAN	8.35	± 9.6 %
10590	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc)	WLAN	8.67	± 9.6 %
10591	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc dc)	WLAN	8.63	± 9.6 %
10592	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc dc)	WLAN	8.79	± 9.6 %
10593	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc dc)	WLAN	8.64	± 9.6 %
10594	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc dc)	WLAN	8.74	± 9.6 %
10595	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc dc)	WLAN	8.74	± 9.6 %
10596	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc dc)	WLAN	8.71	± 9.6 %
10597	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc dc)	WLAN	8.72	± 9.6 %
10598	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc dc)	WLAN	8.50	± 9.6 %
10599	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc dc)	WLAN	8.79	± 9.6 %
10600	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc dc)	WLAN	8.88	± 9.6 %
10601	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc dc)	WLAN	8.82	± 9.6 %
10602	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc dc)	WLAN	8.94	± 9.6 %
10603	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc dc)	WLAN	9.03	± 9.6 %
10604	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc dc)	WLAN	8.76	± 9.6 %

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

10673	AAC	IEEE 802.11ax (20MHz, MCS2, 90pc dc)	WLAN	8.78	± 9.6 %
10674	AAC	IEEE 802.11ax (20MHz, MCS3, 90pc dc)	WLAN	8.74	± 9.6 %
10675	AAC	IEEE 802.11ax (20MHz, MCS4, 90pc dc)	WLAN	8.90	± 9.6 %
10676	AAC	IEEE 802.11ax (20MHz, MCS5, 90pc dc)	WLAN	8.77	± 9.6 %
10677	AAC	IEEE 802.11ax (20MHz, MCS6, 90pc dc)	WLAN	8.73	± 9.6 %
10678	AAC	IEEE 802.11ax (20MHz, MCS7, 90pc dc)	WLAN	8.78	± 9.6 %
10679	AAC	IEEE 802.11ax (20MHz, MCS8, 90pc dc)	WLAN	8.89	± 9.6 %
10680	AAC	IEEE 802.11ax (20MHz, MCS9, 90pc dc)	WLAN	8.80	± 9.6 %
10681	AAC	IEEE 802.11ax (20MHz, MCS10, 90pc dc)	WLAN	8.62	± 9.6 %
10682	AAC	IEEE 802.11ax (20MHz, MCS11, 90pc dc)	WLAN	8.83	± 9.6 %
10683	AAC	IEEE 802.11ax (20MHz, MCS0, 99pc dc)	WLAN	8.42	± 9.6 %
10684	AAC	IEEE 802.11ax (20MHz, MCS1, 99pc dc)	WLAN	8.26	± 9.6 %
10685	AAC	IEEE 802.11ax (20MHz, MCS2, 99pc dc)	WLAN	8.33	± 9.6 %
10686	AAC	IEEE 802.11ax (20MHz, MCS3, 99pc dc)	WLAN	8.28	± 9.6 %
10687	AAC	IEEE 802.11ax (20MHz, MCS4, 99pc dc)	WLAN	8.45	± 9.6 %
10688	AAC	IEEE 802.11ax (20MHz, MCS5, 99pc dc)	WLAN	8.29	± 9.6 %
10689	AAC	IEEE 802.11ax (20MHz, MCS6, 99pc dc)	WLAN	8.55	± 9.6 %
10690	AAC	IEEE 802.11ax (20MHz, MCS7, 99pc dc)	WLAN	8.29	± 9.6 %
10691	AAC	IEEE 802.11ax (20MHz, MCS8, 99pc dc)	WLAN	8.25	± 9.6 %
10692	AAC	IEEE 802.11ax (20MHz, MCS9, 99pc dc)	WLAN	8.29	± 9.6 %
10693	AAC	IEEE 802.11ax (20MHz, MCS10, 99pc dc)	WLAN	8.25	± 9.6 %
10694	AAC	IEEE 802.11ax (20MHz, MCS11, 99pc dc)	WLAN	8.57	± 9.6 %
10695	AAC	IEEE 802.11ax (40MHz, MCS0, 90pc dc)	WLAN	8.78	± 9.6 %
10696	AAC	IEEE 802.11ax (40MHz, MCS1, 90pc dc)	WLAN	8.91	± 9.6 %
10697	AAC	IEEE 802.11ax (40MHz, MCS2, 90pc dc)	WLAN	8.61	± 9.6 %
10698	AAC	IEEE 802.11ax (40MHz, MCS3, 90pc dc)	WLAN	8.89	± 9.6 %
10699	AAC	IEEE 802.11ax (40MHz, MCS4, 90pc dc)	WLAN	8.82	± 9.6 %
10700	AAC	IEEE 802.11ax (40MHz, MCS5, 90pc dc)	WLAN	8.73	± 9.6 %
10701	AAC	IEEE 802.11ax (40MHz, MCS6, 90pc dc)	WLAN	8.86	± 9.6 %
10702	AAC	IEEE 802.11ax (40MHz, MCS7, 90pc dc)	WLAN	8.70	± 9.6 %
10703	AAC	IEEE 802.11ax (40MHz, MCS8, 90pc dc)	WLAN	8.82	± 9.6 %
10704	AAC	IEEE 802.11ax (40MHz, MCS9, 90pc dc)	WLAN	8.56	± 9.6 %
10705	AAC	IEEE 802.11ax (40MHz, MCS10, 90pc dc)	WLAN	8.69	± 9.6 %
10706	AAC	IEEE 802.11ax (40MHz, MCS11, 90pc dc)	WLAN	8.66	± 9.6 %
10707	AAC	IEEE 802.11ax (40MHz, MCS0, 99pc dc)	WLAN	8.32	± 9.6 %
10708	AAC	IEEE 802.11ax (40MHz, MCS1, 99pc dc)	WLAN	8.55	± 9.6 %
10709	AAC	IEEE 802.11ax (40MHz, MCS2, 99pc dc)	WLAN	8.33	± 9.6 %
10710	AAC	IEEE 802.11ax (40MHz, MCS3, 99pc dc)	WLAN	8.29	± 9.6 %
10711	AAC	IEEE 802.11ax (40MHz, MCS4, 99pc dc)	WLAN	8.39	± 9.6 %
10712	AAC	IEEE 802.11ax (40MHz, MCS5, 99pc dc)	WLAN	8.67	± 9.6 %
10713	AAC	IEEE 802.11ax (40MHz, MCS6, 99pc dc)	WLAN	8.33	± 9.6 %
10714	AAC	IEEE 802.11ax (40MHz, MCS7, 99pc dc)	WLAN	8.26	± 9.6 %
10715	AAC	IEEE 802.11ax (40MHz, MCS8, 99pc dc)	WLAN	8.45	± 9.6 %
10716	AAC	IEEE 802.11ax (40MHz, MCS9, 99pc dc)	WLAN	8.30	± 9.6 %
10717	AAC	IEEE 802.11ax (40MHz, MCS10, 99pc dc)	WLAN	8.48	± 9.6 %
10718	AAC	IEEE 802.11ax (40MHz, MCS11, 99pc dc)	WLAN	8.24	± 9.6 %
10719	AAC	IEEE 802.11ax (80MHz, MCS0, 90pc dc)	WLAN	8.81	± 9.6 %
10720	AAC	IEEE 802.11ax (80MHz, MCS1, 90pc dc)	WLAN	8.87	± 9.6 %
10721	AAC	IEEE 802.11ax (80MHz, MCS2, 90pc dc)	WLAN	8.76	± 9.6 %
10722	AAC	IEEE 802.11ax (80MHz, MCS3, 90pc dc)	WLAN	8.55	± 9.6 %
10723	AAC	IEEE 802.11ax (80MHz, MCS4, 90pc dc)	WLAN	8.70	± 9.6 %
10724	AAC	IEEE 802.11ax (80MHz, MCS5, 90pc dc)	WLAN	8.90	± 9.6 %
10725	AAC	IEEE 802.11ax (80MHz, MCS6, 90pc dc)	WLAN	8.74	± 9.6 %
10726	AAC	IEEE 802.11ax (80MHz, MCS7, 90pc dc)	WLAN	8.72	± 9.6 %
10727	AAC	IEEE 802.11ax (80MHz, MCS8, 90pc dc)	WLAN	8.66	± 9.6 %
10728	AAC	IEEE 802.11ax (80MHz, MCS9, 90pc dc)	WLAN	8.65	± 9.6 %

10729	AAC	IEEE 802.11ax (80MHz, MCS10, 90pc dc)	WLAN	8.64	± 9.6 %
10730	AAC	IEEE 802.11ax (80MHz, MCS11, 90pc dc)	WLAN	8.67	± 9.6 %
10731	AAC	IEEE 802.11ax (80MHz, MCS0, 99pc dc)	WLAN	8.42	± 9.6 %
10732	AAC	IEEE 802.11ax (80MHz, MCS1, 99pc dc)	WLAN	8.46	± 9.6 %
10733	AAC	IEEE 802.11ax (80MHz, MCS2, 99pc dc)	WLAN	8.40	± 9.6 %
10734	AAC	IEEE 802.11ax (80MHz, MCS3, 99pc dc)	WLAN	8.25	± 9.6 %
10735	AAC	IEEE 802.11ax (80MHz, MCS4, 99pc dc)	WLAN	8.33	± 9.6 %
10736	AAC	IEEE 802.11ax (80MHz, MCS5, 99pc dc)	WLAN	8.27	± 9.6 %
10737	AAC	IEEE 802.11ax (80MHz, MCS6, 99pc dc)	WLAN	8.36	± 9.6 %
10738	AAC	IEEE 802.11ax (80MHz, MCS7, 99pc dc)	WLAN	8.42	± 9.6 %
10739	AAC	IEEE 802.11ax (80MHz, MCS8, 99pc dc)	WLAN	8.29	± 9.6 %
10740	AAC	IEEE 802.11ax (80MHz, MCS9, 99pc dc)	WLAN	8.48	± 9.6 %
10741	AAC	IEEE 802.11ax (80MHz, MCS10, 99pc dc)	WLAN	8.40	± 9.6 %
10742	AAC	IEEE 802.11ax (80MHz, MCS11, 99pc dc)	WLAN	8.43	± 9.6 %
10743	AAC	IEEE 802.11ax (160MHz, MCS0, 90pc dc)	WLAN	8.94	± 9.6 %
10744	AAC	IEEE 802.11ax (160MHz, MCS1, 90pc dc)	WLAN	9.16	± 9.6 %
10745	AAC	IEEE 802.11ax (160MHz, MCS2, 90pc dc)	WLAN	8.93	± 9.6 %
10746	AAC	IEEE 802.11ax (160MHz, MCS3, 90pc dc)	WLAN	9.11	± 9.6 %
10747	AAC	IEEE 802.11ax (160MHz, MCS4, 90pc dc)	WLAN	9.04	± 9.6 %
10748	AAC	IEEE 802.11ax (160MHz, MCS5, 90pc dc)	WLAN	8.93	± 9.6 %
10749	AAC	IEEE 802.11ax (160MHz, MCS6, 90pc dc)	WLAN	8.90	± 9.6 %
10750	AAC	IEEE 802.11ax (160MHz, MCS7, 90pc dc)	WLAN	8.79	± 9.6 %
10751	AAC	IEEE 802.11ax (160MHz, MCS8, 90pc dc)	WLAN	8.82	± 9.6 %
10752	AAC	IEEE 802.11ax (160MHz, MCS9, 90pc dc)	WLAN	8.81	± 9.6 %
10753	AAC	IEEE 802.11ax (160MHz, MCS10, 90pc dc)	WLAN	9.00	± 9.6 %
10754	AAC	IEEE 802.11ax (160MHz, MCS11, 90pc dc)	WLAN	8.94	± 9.6 %
10755	AAC	IEEE 802.11ax (160MHz, MCS0, 99pc dc)	WLAN	8.64	± 9.6 %
10756	AAC	IEEE 802.11ax (160MHz, MCS1, 99pc dc)	WLAN	8.77	± 9.6 %
10757	AAC	IEEE 802.11ax (160MHz, MCS2, 99pc dc)	WLAN	8.77	± 9.6 %
10758	AAC	IEEE 802.11ax (160MHz, MCS3, 99pc dc)	WLAN	8.69	± 9.6 %
10759	AAC	IEEE 802.11ax (160MHz, MCS4, 99pc dc)	WLAN	8.58	± 9.6 %
10760	AAC	IEEE 802.11ax (160MHz, MCS5, 99pc dc)	WLAN	8.49	± 9.6 %
10761	AAC	IEEE 802.11ax (160MHz, MCS6, 99pc dc)	WLAN	8.58	± 9.6 %
10762	AAC	IEEE 802.11ax (160MHz, MCS7, 99pc dc)	WLAN	8.49	± 9.6 %
10763	AAC	IEEE 802.11ax (160MHz, MCS8, 99pc dc)	WLAN	8.53	± 9.6 %
10764	AAC	IEEE 802.11ax (160MHz, MCS9, 99pc dc)	WLAN	8.54	± 9.6 %
10765	AAC	IEEE 802.11ax (160MHz, MCS10, 99pc dc)	WLAN	8.54	± 9.6 %
10766	AAC	IEEE 802.11ax (160MHz, MCS11, 99pc dc)	WLAN	8.51	± 9.6 %
10767	AAE	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	7.99	± 9.6 %
10768	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10769	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10770	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10771	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10772	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.23	± 9.6 %
10773	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.03	± 9.6 %
10774	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10775	AAD	5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	± 9.6 %
10776	AAD	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	± 9.6 %
10777	AAC	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	± 9.6 %
10778	AAD	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10779	AAC	5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.42	± 9.6 %
10780	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	± 9.6 %
10781	AAD	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	± 9.6 %
10782	AAD	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.43	± 9.6 %
10783	AAE	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	± 9.6 %
10784	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.29	± 9.6 %

10785	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10786	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10787	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.44	± 9.6 %
10788	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10789	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10790	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10791	AAE	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.83	± 9.6 %
10792	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.92	± 9.6 %
10793	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.95	± 9.6 %
10794	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	± 9.6 %
10795	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.84	± 9.6 %
10796	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	± 9.6 %
10797	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10798	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	± 9.6 %
10799	AAD	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	± 9.6 %
10801	AAD	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	± 9.6 %
10802	AAD	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	± 9.6 %
10803	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	± 9.6 %
10805	AAD	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10806	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10809	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10810	AAD	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10812	AAD	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10817	AAE	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10818	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10819	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33	± 9.6 %
10820	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.30	± 9.6 %
10821	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10822	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10823	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10824	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10825	AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10827	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.42	± 9.6 %
10828	AAD	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.43	± 9.6 %
10829	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10830	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.63	± 9.6 %
10831	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.73	± 9.6 %
10832	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.74	± 9.6 %
10833	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10834	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.75	± 9.6 %
10835	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10836	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.66	± 9.6 %
10837	AAD	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.68	± 9.6 %
10839	AAD	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10840	AAD	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.67	± 9.6 %
10841	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.71	± 9.6 %
10843	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.49	± 9.6 %
10844	AAD	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10846	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10854	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10855	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10856	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10857	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10858	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10859	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10860	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %

10861	AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10863	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10864	AAD	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10865	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10866	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10868	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.89	± 9.6 %
10869	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10870	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.86	± 9.6 %
10871	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10872	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.52	± 9.6 %
10873	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	± 9.6 %
10874	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	± 9.6 %
10875	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	± 9.6 %
10876	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.39	± 9.6 %
10877	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	7.95	± 9.6 %
10878	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.41	± 9.6 %
10879	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.12	± 9.6 %
10880	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.38	± 9.6 %
10881	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10882	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.96	± 9.6 %
10883	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.57	± 9.6 %
10884	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.53	± 9.6 %
10885	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	± 9.6 %
10886	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	± 9.6 %
10887	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	± 9.6 %
10888	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.35	± 9.6 %
10889	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.02	± 9.6 %
10890	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.40	± 9.6 %
10891	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.13	± 9.6 %
10892	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.41	± 9.6 %
10897	AAC	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.66	± 9.6 %
10898	AAB	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	± 9.6 %
10899	AAB	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	± 9.6 %
10900	AAB	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10901	AAB	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10902	AAB	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10903	AAB	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10904	AAB	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10905	AAB	5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10906	AAB	5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10907	AAC	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.78	± 9.6 %
10908	AAB	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6 %
10909	AAB	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.96	± 9.6 %
10910	AAB	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	± 9.6 %
10911	AAB	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6 %
10912	AAB	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10913	AAB	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10914	AAB	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.85	± 9.6 %
10915	AAB	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	± 9.6 %
10916	AAB	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 9.6 %
10917	AAB	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	± 9.6 %
10918	AAC	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	± 9.6 %
10919	AAB	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	± 9.6 %
10920	AAB	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 9.6 %
10921	AAB	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10922	AAB	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.82	± 9.6 %

10923	AAB	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10924	AAB	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10925	AAB	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.95	± 9.6 %
10926	AAB	5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10927	AAB	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	± 9.6 %
10928	AAC	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10929	AAC	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10930	AAC	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10931	AAC	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10932	AAC	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10933	AAC	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10934	AAC	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10935	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10936	AAC	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	± 9.6 %
10937	AAC	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.77	± 9.6 %
10938	AAC	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	± 9.6 %
10939	AAC	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.82	± 9.6 %
10940	AAC	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.89	± 9.6 %
10941	AAC	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	± 9.6 %
10942	AAC	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	± 9.6 %
10943	AAD	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.95	± 9.6 %
10944	AAC	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.81	± 9.6 %
10945	AAC	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	± 9.6 %
10946	AAC	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	± 9.6 %
10947	AAC	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	± 9.6 %
10948	AAC	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	± 9.6 %
10949	AAC	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	± 9.6 %
10950	AAC	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	± 9.6 %
10951	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.92	± 9.6 %
10952	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.25	± 9.6 %
10953	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.15	± 9.6 %
10954	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.23	± 9.6 %
10955	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.42	± 9.6 %
10956	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.14	± 9.6 %
10957	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.31	± 9.6 %
10958	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.61	± 9.6 %
10959	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.33	± 9.6 %
10960	AAC	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.32	± 9.6 %
10961	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.36	± 9.6 %
10962	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.40	± 9.6 %
10963	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.55	± 9.6 %
10964	AAC	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.29	± 9.6 %
10965	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.37	± 9.6 %
10966	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.55	± 9.6 %
10967	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.42	± 9.6 %
10968	AAB	5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.49	± 9.6 %
10972	AAB	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	11.59	± 9.6 %
10973	AAB	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	9.06	± 9.6 %
10974	AAB	5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz)	5G NR FR1 TDD	10.28	± 9.6 %
10978	AAA	ULLA BDR	ULLA	2.23	± 9.6 %
10979	AAA	ULLA HDR4	ULLA	7.02	± 9.6 %
10980	AAA	ULLA HDR8	ULLA	8.82	± 9.6 %
10981	AAA	ULLA HDRp4	ULLA	1.50	± 9.6 %
10982	AAA	ULLA HDRp8	ULLA	1.44	± 9.6 %

^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	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		824.2	836.4	848.8	
GSM 1 Tx slot	32.66	32.75	32.55	33.50	23.66	23.75	23.55	24.50
GPRS 1 Tx slot	32.56	32.74	32.43	33.50	23.56	23.74	23.43	24.50
GPRS 2 Tx slots	29.76	29.98	29.66	31.00	23.78	23.98	23.66	25.00
GPRS 3 Tx slots	28.12	28.11	27.94	29.00	23.86	23.85	23.68	24.74
GPRS 4 Tx slots	26.63	26.78	26.37	27.00	23.63	23.78	23.37	24.00
EDGE 1 Tx slot	25.74	25.62	25.62	26.50	16.74	16.62	16.62	17.50
EDGE 2 Tx slots	24.06	24.16	23.93	25.00	18.06	18.16	17.93	19.00
EDGE 3 Tx slots	22.77	22.82	22.59	23.50	16.51	16.56	16.33	19.24
EDGE 4 Tx slots	20.76	20.80	20.65	22.00	17.76	17.80	17.65	19.00

GSM1900 ANT0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	861	810		512	861	810	
TX Channel	1850.2	1880	1909.8	(dBm)	1850.2	1880	1909.8	(dBm)
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.88	30.02	29.80	30.50	20.88	21.02	20.80	21.50
GPRS 1 Tx slot	29.71	29.93	29.67	30.50	20.71	20.93	20.67	21.50
GPRS 2 Tx slots	26.30	26.32	26.23	27.00	20.30	20.32	20.23	21.00
GPRS 3 Tx slots	23.74	24.13	23.88	25.00	19.48	19.87	19.62	20.74
GPRS 4 Tx slots	22.22	22.51	22.39	24.00	19.22	19.51	19.39	21.00
EDGE 1 Tx slot	24.97	25.10	25.04	25.50	15.97	16.10	16.04	16.50
EDGE 2 Tx slots	23.37	23.45	23.31	24.00	17.37	17.45	17.31	18.00
EDGE 3 Tx slots	22.12	22.38	22.25	23.00	17.86	18.12	17.99	18.74
EDGE 4 Tx slots	19.88	20.12	19.78	20.50	16.88	17.12	16.78	17.50

Band		WCDMA 8 ANT0			Tune-up Limit (dBm)	WCDMA 8 ANT0			Tune-up Limit (dBm)	WCDMA 8 ANT0			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9692	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	22.94	23.06	22.78	24.00	22.71	22.93	22.88	24.00	23.07	23.16	23.02	24.00
3GPP Rel 99	AMR 12.2Kbps	23.10	23.13	22.91	24.00	22.85	23.05	22.96	24.00	23.26	23.32	23.14	24.00
3GPP Rel 6	HSDPA Subtest-1	22.24	22.17	22.14	23.00	22.12	22.09	22.06	23.00	22.24	22.30	22.25	23.00
3GPP Rel 6	HSDPA Subtest-2	21.98	22.18	22.20	23.00	21.85	22.05	22.07	23.00	22.11	22.22	22.23	23.00
3GPP Rel 6	HSDPA Subtest-3	21.68	21.70	21.42	22.50	21.58	21.59	21.38	22.50	21.74	21.83	21.54	22.50
3GPP Rel 6	HSDPA Subtest-4	21.67	21.65	21.70	22.50	21.57	21.59	21.53	22.50	21.72	21.78	21.75	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.15	22.22	22.19	23.00	22.07	22.15	22.05	23.00	22.23	22.42	22.20	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.39	22.31	22.21	23.00	22.22	22.17	22.14	23.00	22.45	22.34	22.32	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.57	21.62	21.67	22.50	21.54	21.76	21.62	22.50	21.77	21.91	21.83	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.81	21.68	21.38	22.50	21.67	21.64	21.33	22.50	21.88	21.87	21.53	22.50
3GPP Rel 6	HSUPA Subtest-1	22.28	22.24	22.09	23.00	22.20	22.18	21.98	23.00	22.37	22.33	22.16	23.00
3GPP Rel 6	HSUPA Subtest-2	20.27	20.30	20.05	21.00	20.15	20.20	19.93	21.00	20.33	20.43	20.13	21.00
3GPP Rel 6	HSUPA Subtest-3	21.07	21.32	21.23	22.00	20.92	21.15	21.09	22.00	21.09	21.30	21.30	22.00
3GPP Rel 6	HSUPA Subtest-4	19.93	20.13	20.01	21.00	19.73	20.02	19.93	21.00	20.02	20.16	20.04	21.00
3GPP Rel 6	HSUPA Subtest-5	21.86	22.14	22.00	23.00	21.78	22.09	21.98	23.00	21.91	22.18	22.13	23.00



Band 2 ANT0													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Mode	Power High Ch / Freq	Turn-up Int (sec)	MPR (dB)				
Channel													
Frequency (MHz)													
20	QPSK	1	0	22.47	22.51	1860	1900			24	0		
20	QPSK	1	49	22.47	22.47	22.38							
20	QPSK	1	99	22.38	22.47	22.38							
20	QPSK	50	24	22.33	22.42	22.30							
20	QPSK	50	50	22.27	22.34	22.22				24	0		
20	16QAM	1	0	22.28	22.41	22.36							
20	16QAM	1	49	22.25	22.24	22.19							
20	16QAM	50	4	22.22	22.24	22.17							
20	16QAM	50	24	21.38	21.51	21.38				23	1		
20	16QAM	50	50	21.38	21.36	21.37							
20	16QAM	100	0	21.41	21.54	21.51							
20	16QAM	100	0	21.51	21.63	21.61							
20	16QAM	1	99	21.37	21.44	21.38				23	1		
20	16QAM	50	0	20.54	20.57	20.44							
20	16QAM	50	24	20.43	20.40	20.41							
20	16QAM	50	50	20.41	20.35	20.33							
20	16QAM	100	0	20.44	20.33	20.30				22	2		
20	256QAM	1	0	18.46	18.61	18.48							
20	256QAM	1	49	18.49	18.53	18.46							
20	256QAM	50	0	18.47	18.49	18.53							
20	256QAM	50	24	18.45	18.44	18.45				20	4		
20	256QAM	50	50	18.44	18.39	18.36							
20	256QAM	100	0	18.43	18.48	18.49							
20	256QAM	100	0	18.43	18.48	18.49							
Channel													
Frequency (MHz)													
15	QPSK	1	0	22.40	22.48	1860	1900			24	0		
15	QPSK	1	49	22.40	22.48	22.32							
15	QPSK	1	74	22.32	22.37	22.29							
15	QPSK	36	0	22.28	22.37	22.28							
15	QPSK	36	36	22.17	22.30	22.17				24	0		
15	QPSK	36	39	22.20	22.37	22.18							
15	QPSK	75	0	22.18	22.39	22.30							
15	QPSK	75	0	22.22	22.31	22.24							
15	16QAM	1	37	22.14	22.13	22.14				24	0		
15	16QAM	1	74	22.11	22.16	22.01							
15	16QAM	36	0	21.36	21.42	21.36							
15	16QAM	36	20	21.28	21.31	21.35							
15	16QAM	75	0	21.35	21.49	21.47				23	1		
15	16QAM	75	0	21.35	21.49	21.47							
15	16QAM	1	0	21.48	21.61	21.40							
15	16QAM	1	49	21.50	21.58	21.34							
15	16QAM	1	74	21.38	21.37	21.35				22	2		
15	16QAM	36	0	20.43	20.55	20.38							
15	16QAM	36	36	20.35	20.37	20.32							
15	16QAM	36	39	20.37	20.25	20.28							
15	16QAM	75	0	20.38	20.50	20.48				20	4		
15	256QAM	1	0	18.41	18.45	18.43							
15	256QAM	1	37	18.42	18.44	18.40							
15	256QAM	36	0	18.43	18.35	18.40							
15	256QAM	36	20	18.35	18.42	18.40				20	4		
15	256QAM	36	39	18.41	18.42	18.40							
15	256QAM	75	0	18.41	18.42	18.40							
15	256QAM	75	0	18.41	18.42	18.40							
Channel													
Frequency (MHz)													
10	QPSK	1	0	22.43	22.47	1860	1900			24	0		
10	QPSK	1	25	22.22	22.32	22.25							
10	QPSK	25	0	22.19	22.28	22.22							
10	QPSK	25	12	22.22	22.38	22.35							
10	QPSK	25	12	22.24	22.35	22.19				24	0		
10	QPSK	50	0	22.21	22.31	22.27							
10	16QAM	1	0	22.28	22.39	22.34							
10	16QAM	1	49	22.22	22.19	22.14							
10	16QAM	1	49	22.16	22.19	22.01				23	1		
10	16QAM	25	0	21.37	21.48	21.31							
10	16QAM	25	0	21.36	21.52	21.31							
10	16QAM	25	25	21.29	21.26	21.27							
10	16QAM	36	0	21.42	21.57	21.41				23	1		
10	16QAM	36	0	21.42	21.57	21.41							
10	16QAM	1	25	21.40	21.50	21.34							
10	16QAM	125	0	21.42	21.58	21.38							
10	16QAM	25	0	20.45	20.48	20.40				22	2		
10	16QAM	25	12	20.32	20.37	20.33							
10	16QAM	25	12	20.34	20.30	20.32							
10	16QAM	50	0	20.36	20.45	20.43							
10	256QAM	1	0	18.38	18.54	18.39				20	4		
10	256QAM	1	25	18.40	18.47	18.43							
10	256QAM	1	49	18.31	18.40	18.33							
10	256QAM	25	0	18.35	18.53	18.47							
10	256QAM	25	12	18.42	18.40	18.41				20	4		
10	256QAM	25	12	18.42	18.40	18.41							
10	256QAM	25	25	18.38	18.37	18.36							
10	256QAM	50	0	18.42	18.42	18.44							
Channel													
Frequency (MHz)													
5	QPSK	1	0	22.40	22.41	1860	1900			24	0		
5	QPSK	1	12	22.16	22.30	22.19							
5	QPSK	1	24	22.28	22.41	22.38							
5	QPSK	12	0	22.22	22.38	22.35							
5	QPSK	12	7	22.31	22.36	22.28				24	0		
5	QPSK	12	13	22.17	22.32	22.21							
5	QPSK	25	0	22.24	22.35	22.30							
5	QPSK	25	0	22.24	22.35	22.30							
5	16QAM	1	0	22.28	22.37	22.24				24	0		
5	16QAM	1	12	22.18	22.20	22.11							
5	16QAM	12	0	22.12	22.17	22.05							
5	16QAM	12	0	21.33	21.28	21.29							
5	16QAM	25	0	21.33	21.38	21.36				23	1		
5	16QAM	25	0	21.38	21.51	21.40							
5	16QAM	36	0	21.48	21.61	21.48							
5	16QAM	1	12	21.40	21.49	21.37							
5	16QAM	1	24	21.12	21.47	21.25				23	1		
5	16QAM	12	0	20.43	20.53	20.37							
5	16QAM	12	7	20.35	20.39	20.33							
5	16QAM	12	13	20.32	20.26	20.32							
5	256QAM	1	0	18.43	18.58	18.43				20	4		
5	256QAM	1	12	18.39	18.43	18.41							
5	256QAM	1	24	18.40	18.54	18.40							
5	256QAM	12	0	18.40	18.53	18.40							
5	256QAM	12	13	18.36	18.36	18.33				20	4		
5	256QAM	12	13	18.36	18.36	18.33							
5	256QAM	25	0	18.38	18.38	18.35							
5	256QAM	25	0	18.40	18.45	18.44							
Channel													
Frequency (MHz)													
1.4	QPSK	1	0	22.41	22.47	1860	1900			24	0		
1.4	QPSK	1	3	22.13	22.23	22.15							
1.4	QPSK	3	0	22.32	22.41	22.37							
1.4	QPSK	3	1	22.23	22.26	22.21				24	0		
1.4	QPSK	3	1	22.17	22.23	22.24							
1.4	QPSK	8	0	22.26	22.27	22.19							
1.4	QPSK	8	1	22.17	22.25	22.25				24	0		
1.4	QPSK	8	4	22.17	22.25	22.25							
1.4	QPSK	8	7	22.26	22.27	22.19							
1.4	QPSK	8	7	22.17	22.25	22.25				24	0		
1.4	QPSK	8	0	22.33	22.34	22.31							
1.4	QPSK	8	8	22.24	22.14	22.16							
1.4	QPSK	8	8	22.17	22.14	22.16				23	1		
1.4	QPSK	8	4	21.31	21.31	21.27							
1.4	QPSK	8	4	21.31	21.31	21.27							
1.4	QPSK	15	0	21.36	21.50	21.45				23	1		
1.4	QPSK	15	0	21.42	21.48	21.45							
1.4	QPSK	15	0	21.42	21.48	21.45							
1.4	QPSK	1	14	21.32	21.40	21.25				23	1		
1.4	QPSK	1	14	21.32	21.40	21.25							
1.4	QPSK	8	4	20.41	20.38	20.34							
1.4	QPSK	8	7	20.38	20.30	20.22				22	2		
1.4	QPSK	8	4	20.38	20.30	20.22							
1.4	QPSK	8	4	20.38	20.30	20.22							
1.4	QPSK	1	8	18.41	18.46	18.39				20	4		
1.4	QPSK	1	8	18.41	18.46	18.39							
1.4	QPSK	8	4	18.42	18.49	18.40							
1.4	QPSK	8	4	18.42	18.49	18.40				20	4		
1.4	QPSK	8	4	18.42	18.49	18.40							
1.4	QPSK	8	4	18.42	18.49	18.40							
1.4	QPSK	15	0	18.36	18.38	18.35				20	4		
1.4	QPSK	15	0	18.36	18.38	18.35							
1.4	QPSK	15	0	18.36	18.38	18.35							
Channel													
Frequency (MHz)													
1.4	QPSK	1	0	22.41	22.47	1860	1900			24	0		
1.4	QPSK	1	3	22.13	22.23	22.15							
1.4	QPSK	3	0	22.32	22.41	22.37							
1.4	QPSK	3	1	22.23	22.26	22.21				24	0		
1.4	QPSK	3	1	22.17	22.23	22.24							
1.4	QPSK	8	0	22.26	22.27	22.19							
1.4	QPSK	8	1	22.17	22.25	22.25				24	0		
1.4	QPSK	8	4	22.17	22.25	22.25							
1.4	QPSK	8	7	22.26	22.27	22.19							
1.4	QPSK	8	7	22.17	22.25	22.25			</				



Band 12 ANTO														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mode Ch / Freq	Power High Ch / Freq	Turn-on time (sec)	MPR (dB)						
Channel														
Frequency (MHz)														
10	QPSK	1	0	22.87	22.87	22.79	24	0						
10	QPSK	1	25	22.79	22.87	22.82								
10	QPSK	1	49	22.73	22.82	22.76								
10	QPSK	1	73	22.64	22.80	22.74								
10	QPSK	25	12	22.68	22.79	22.74	24	0						
10	QPSK	25	25	22.62	22.73	22.68								
10	QPSK	50	0	22.59	22.69	22.58								
10	16QAM	1	0	22.75	22.85	22.81								
10	16QAM	1	25	22.69	22.86	22.89	24	0						
10	16QAM	1	49	22.59	22.80	22.86								
10	16QAM	25	0	22.35	22.48	22.42								
10	16QAM	25	12	22.29	22.34	22.32								
10	16QAM	25	25	22.33	22.34	22.32	23.5	0.5						
10	16QAM	50	0	22.36	22.44	22.39								
10	16QAM	50	0	22.40	22.42	22.43								
10	16QAM	1	25	22.35	22.35	22.35								
10	64QAM	1	49	22.33	22.36	22.36	23.5	0.5						
10	64QAM	25	0	21.33	21.38	21.38								
10	64QAM	25	12	21.23	21.28	21.24								
10	64QAM	25	25	21.26	21.21	21.22								
10	256QAM	1	0	19.33	19.41	19.38	22.5	1.5						
10	256QAM	1	25	19.34	19.41	19.38								
10	256QAM	1	49	19.34	19.44	19.35								
10	256QAM	25	0	19.34	19.44	19.35								
10	256QAM	25	12	19.37	19.37	19.37	20.5	3.5						
10	256QAM	25	25	19.38	19.25	19.24								
10	256QAM	50	0	19.38	19.37	19.38								
10	256QAM	50	0	19.38	19.37	19.38								
Channel														
Frequency (MHz)														
3	QPSK	1	0	22.83	22.83	22.69	24	0						
3	QPSK	1	25	22.78	22.87	22.82								
3	QPSK	1	49	22.78	22.81	22.69								
3	QPSK	1	73	22.78	22.81	22.69								
3	QPSK	12	0	22.78	22.81	22.69	24	0						
3	QPSK	12	13	22.69	22.69	22.63								
3	QPSK	25	0	22.74	22.77	22.79								
3	16QAM	1	0	22.81	22.77	22.69								
3	16QAM	1	12	22.54	22.58	22.56	24	0						
3	16QAM	1	24	22.49	22.49	22.53								
3	16QAM	12	0	22.59	22.57	22.59								
3	16QAM	12	7	22.21	22.26	22.21								
3	16QAM	25	0	22.23	22.35	22.28	23.5	0.5						
3	64QAM	1	0	22.29	22.44	22.38								
3	64QAM	1	24	22.29	22.32	22.15								
3	64QAM	12	0	21.23	21.36	21.30								
3	64QAM	12	13	21.14	21.12	21.08	22.5	1.5						
3	64QAM	25	0	21.23	21.33	21.35								
3	256QAM	1	12	19.27	19.42	19.36								
3	256QAM	1	24	19.27	19.31	19.32								
3	256QAM	12	0	19.31	19.35	19.32	20.5	3.5						
3	256QAM	12	7	19.26	19.24	19.24								
3	256QAM	25	0	19.25	19.24	19.14								
3	256QAM	25	0	19.25	19.24	19.14								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	22.83	22.80	22.72	24	0						
1.4	QPSK	1	8	22.75	22.82	22.78								
1.4	QPSK	1	16	22.68	22.82	22.75								
1.4	QPSK	1	24	22.60	22.77	22.69								
1.4	QPSK	8	0	22.85	22.74	22.84	24	0						
1.4	QPSK	8	4	22.79	22.77	22.69								
1.4	16QAM	1	0	22.80	22.77	22.73								
1.4	16QAM	1	8	22.63	22.77	22.76								
1.4	16QAM	8	0	22.78	22.80	22.82	23.5	0.5						
1.4	16QAM	8	4	22.70	22.80	22.82								
1.4	16QAM	16	0	22.30	22.30	22.30								
1.4	64QAM	1	0	22.32	22.45	22.30								
1.4	64QAM	1	8	22.29	22.25	22.24	23.5	0.5						
1.4	64QAM	1	14	22.28	22.29	22.18								
1.4	64QAM	8	0	21.25	21.41	21.30								
1.4	64QAM	8	4	21.16	21.14	21.09								
1.4	64QAM	8	7	21.18	21.15	21.15	22.5	1.5						
1.4	64QAM	15	0	21.27	21.36	21.33								
1.4	256QAM	1	0	19.49	19.56	19.42								
1.4	256QAM	1	8	19.31	19.35	19.30								
1.4	256QAM	1	14	19.28	19.40	19.25	20.5	3.5						
1.4	256QAM	8	0	19.22	19.28	19.32								
1.4	256QAM	8	4	19.22	19.24	19.14								
1.4	256QAM	8	7	19.10	19.16	19.14								
1.4	256QAM	15	0	19.24	19.25	19.24	20.5	3.5						
1.4	256QAM	15	0	19.24	19.25	19.24								
1.4	256QAM	15	0	19.24	19.25	19.24								
1.4	256QAM	15	0	19.24	19.25	19.24								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	22.83	22.80	22.72	24	0						
1.4	QPSK	1	8	22.75	22.82	22.78								
1.4	QPSK	1	16	22.68	22.82	22.75								
1.4	QPSK	1	24	22.60	22.77	22.69								
1.4	QPSK	8	0	22.85	22.74	22.84	24	0						
1.4	QPSK	8	4	22.79	22.77	22.69								
1.4	16QAM	1	0	22.80	22.77	22.73								
1.4	16QAM	1	8	22.63	22.77	22.76								
1.4	16QAM	8	0	22.78	22.80	22.82	23.5	0.5						
1.4	16QAM	8	4	22.70	22.80	22.82								
1.4	16QAM	16	0	22.30	22.30	22.30								
1.4	64QAM	1	0	22.32	22.45	22.30								
1.4	64QAM	1	8	22.29	22.25	22.24	23.5	0.5						
1.4	64QAM	1	14	22.28	22.29	22.18								
1.4	64QAM	8	0	21.25	21.41	21.30								
1.4	64QAM	8	4	21.16	21.14	21.09								
1.4	64QAM	8	7	21.18	21.15	21.15	22.5	1.5						
1.4	64QAM	15	0	21.27	21.36	21.33								
1.4	256QAM	1	0	19.49	19.56	19.42								
1.4	256QAM	1	8	19.31	19.35	19.30								
1.4	256QAM	1	14	19.28	19.40	19.25	20.5	3.5						
1.4	256QAM	8	0	19.22	19.28	19.32								
1.4	256QAM	8	4	19.22	19.24	19.14								
1.4	256QAM	8	7	19.10	19.16	19.14								
1.4	256QAM	15	0	19.24	19.25	19.24	20.5	3.5						
1.4	256QAM	15	0	19.24	19.25	19.24								
1.4	256QAM	15	0	19.24	19.25	19.24								

Band 26 AN70											
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 freq (MHz)	MPR (dB)		
Channel											
Frequency (MHz)				831.5	831.5	841.5					
15	QPSK	1	0	22.49	22.48	22.48	24	0			
15	QPSK	1	37	22.42	22.52	22.43					
15	QPSK	1	74	22.38	22.50	22.38					
15	QPSK	36	0	22.49	22.54	22.50					
15	QPSK	36	36	22.35	22.43	22.34	24	0			
15	QPSK	36	36	22.41	22.47	22.39					
15	QPSK	75	0	22.26	22.40	22.35					
15	QPSK	75	0	22.41	22.55	22.43					
15	16QAM	1	0	22.42	22.42	22.41	24	0			
15	16QAM	1	37	22.42	22.46	22.41					
15	16QAM	14	22	22.37	22.39	22.38					
15	16QAM	36	20	21.94	21.97	21.90					
15	16QAM	36	20	21.95	21.97	21.97	23.5	0.5			
15	16QAM	36	36	21.79	21.86	21.81					
15	16QAM	75	0	21.84	21.94	21.88					
15	16QAM	75	0	21.92	22.04	21.90					
15	16QAM	1	37	21.75	21.85	21.83	23.5	0.5			
15	16QAM	1	74	21.79	21.85	21.79					
15	16QAM	36	0	20.89	20.97	20.95					
15	16QAM	36	20	20.90	20.90	20.81					
15	16QAM	36	36	20.75	20.81	20.78	22.5	1.5			
15	16QAM	75	0	20.93	20.99	20.90					
15	256QAM	1	0	19.00	19.07	19.00					
15	256QAM	1	37	18.94	18.90	18.93					
15	256QAM	14	22	18.82	18.86	18.80	20.5	3.5			
15	256QAM	36	0	18.89	18.98	18.85					
15	256QAM	36	20	18.82	18.82	18.78					
15	256QAM	36	36	18.83	18.74	18.78					
15	256QAM	75	0	18.80	18.87	18.79	20.5	3.5			
Channel				2675.5	2686.5	2707.5					
Frequency (MHz)				815.5	831.5	844					
10	QPSK	1	0	22.53	22.57	22.39	24	0			
10	QPSK	1	36	22.37	22.39	22.37					
10	QPSK	1	49	22.24	22.38	22.32					
10	QPSK	26	0	22.38	22.43	22.39					
10	QPSK	26	12	22.23	22.31	22.27	24	0			
10	QPSK	26	25	22.34	22.40	22.38					
10	QPSK	90	0	22.13	22.26	22.23					
10	16QAM	1	0	22.37	22.44	22.32					
10	16QAM	1	26	22.31	22.33	22.27	24	0			
10	16QAM	1	49	22.27	22.26	22.21					
10	16QAM	26	0	21.84	21.99	21.84					
10	16QAM	26	12	21.75	21.77	21.82					
10	16QAM	26	25	21.84	21.86	21.86	23.5	0.5			
10	16QAM	50	0	21.79	21.88	21.77					
10	16QAM	1	0	21.88	21.94	21.84					
10	16QAM	26	0	21.82	21.83	21.82					
10	16QAM	1	49	21.70	21.74	21.68	23.5	0.5			
10	16QAM	25	0	20.82	20.89	20.80					
10	16QAM	26	12	20.75	20.77	20.80					
10	16QAM	26	25	20.82	20.75	20.72					
10	16QAM	50	0	20.89	20.94	20.83	22.5	1.5			
10	256QAM	1	0	18.96	18.99	18.95					
10	256QAM	1	26	18.89	18.76	18.78					
10	256QAM	1	49	18.74	18.77	18.76					
10	256QAM	25	0	18.74	18.78	18.81	20.5	3.5			
10	256QAM	25	12	18.79	18.75	18.85					
10	256QAM	25	25	18.74	18.65	18.64					
10	256QAM	50	0	18.65	18.78	18.65					
Channel				2675.5	2686.5	2707.5					
Frequency (MHz)				815.5	831.5	847.5					
5	QPSK	1	0	22.55	22.53	22.45	24	0			
5	QPSK	1	8	22.39	22.37	22.31					
5	QPSK	1	12	22.29	22.41	22.28					
5	QPSK	1	24	22.43	22.46	22.46					
5	QPSK	12	0	22.30	22.31	22.20	24	0			
5	QPSK	12	7	22.32	22.34	22.26					
5	QPSK	15	0	22.12	22.37	22.17					
5	16QAM	1	0	22.38	22.44	22.34					
5	16QAM	1	8	22.20	22.40	22.27	24	0			
5	16QAM	14	0	22.31	22.28	22.14					
5	16QAM	8	0	21.82	21.96	21.79					
5	16QAM	8	4	21.84	21.78	21.78					
5	16QAM	15	0	21.71	21.76	21.78	23.5	0.5			
5	16QAM	1	0	21.74	21.82	21.83					
5	16QAM	1	24	21.65	21.70	21.67					
5	16QAM	12	0	20.83	20.86	20.71					
5	16QAM	12	7	20.70	20.88	20.72	22.5	1.5			
5	16QAM	12	13	20.63	20.68	20.67					
5	256QAM	1	0	18.96	18.96	18.95					
5	256QAM	1	12	18.89	18.76	18.78					
5	256QAM	1	24	18.73	18.82	18.71	20.5	3.5			
5	256QAM	12	0	18.83	18.85	18.78					
5	256QAM	12	7	18.74	18.73	18.70					
5	256QAM	12	13	18.74	18.68	18.64					
5	256QAM	25	0	18.66	18.76	18.65	20.5	3.5			
Frequency (MHz)				815.5 <td>831.5<td>847.5<td colspan="5"></td></td></td>	831.5 <td>847.5<td colspan="5"></td></td>	847.5 <td colspan="5"></td>					
3	QPSK	1	0	22.55	22.53	22.47	24	0			
3	QPSK	1	8	22.39	22.37	22.31					
3	QPSK	1	14	22.29	22.41	22.28					
3	QPSK	8	0	22.42	22.48	22.48					
3	QPSK	8	4	22.31	22.32	22.20	24	0			
3	QPSK	8	7	22.32	22.34	22.26					
3	QPSK	15	0	22.12	22.37	22.17					
3	16QAM	1	0	22.38	22.44	22.34					
3	16QAM	1	8	22.20	22.40	22.27	24	0			
3	16QAM	14	0	22.31	22.28	22.14					
3	16QAM	8	0	21.82	21.96	21.79					
3	16QAM	8	4	21.84	21.78	21.78					
3	16QAM	15	0	21.74	21.82	21.83	23.5	0.5			
3	16QAM	1	0	21.76	21.80	21.81					
3	16QAM	1	24	21.65	21.70	21.67					
3	16QAM	12	0	20.78	20.83	20.78					
3	16QAM	12	7	20.64	20.68	20.65	22.5	1.5			
3	16QAM	12	13	20.63	20.68	20.67					
3	256QAM	1	0	18.94	19.02	18.94					
3	256QAM	1	8	18.83	18.85	18.80					
3	256QAM	8	0	18.82	18.81	18.81	20.5	3.5			
3	256QAM	8	4	18.77	18.68	18.64					
3	256QAM	15	0	18.69	18.78	18.74					
3	256QAM	15	0	18.70	18.79	18.74					
Frequency (MHz)				814.7 <td>831.5<td>849.3</td><td colspan="5"></td></td>	831.5 <td>849.3</td> <td colspan="5"></td>	849.3					
1.4	QPSK	1	0	22.48	22.52	22.38	24	0			
1.4	QPSK	1	2	22.31	22.47	22.29					
1.4	QPSK	1	4	22.34	22.48	22.33					
1.4	QPSK	3	0	22.44	22.47	22.42					
1.4	QPSK	3	0	22.30	22.33	22.28	24	0			
1.4	QPSK	3	0	22.32	22.35	22.30					
1.4	QPSK	6	0	22.18	22.32	22.28					
1.4	QPSK	6	0	22.34	22.39	22.36					
1.4	16QAM	1	0	22.45	22.48	22.43	24	0			
1.4	16QAM	1	0	22.38	22.38	22.38					
1.4	16QAM	3	0	22.21	22.29	22.28					
1.4	16QAM	3	0	22.33	22.33	22.33					
1.4	16QAM	3	0	22.24	22.25	22.28	23.5	0.5			
1.4	16QAM	3	0	22.16	22.21	22.28					
1.4	16QAM	6	0	22.02	22.15	22.14					
1.4	16QAM	6	0	21.82	22.00	21.88					
1.4	16QAM	1	0	21.74	21.76	21.76	23.5	0.5			
1.4	16QAM	1	0	21.72	21.73	21.73					
1.4	16QAM	3	0	21.74	21.81	21.74					
1.4	16QAM	3	0	21.77	21.87	21.79					
1.4	16QAM	3	0	21.71	21.86	21.75	20.5	1.5			
1.4	16QAM	6	0	20.88	20.91	20.85					
1.4	16QAM	6	0	20.90	20.90	20.80					
1.4	16QAM	6	0	18.90	18.78	18.86					
1.4	256QAM	1	0	18.74	18.76	18.74	20.5	3.5			
1.4	256QAM	1	0	18.72	18.72	18.74					
1.4	256QAM	3	0	18.76	18.72	18.69					
1.4	256QAM	3	0	18.79	18.64	18.69					
1.4	256QAM	3	0	18.78	18.78	18.74	20.5	3.5			

Band 38 ANTO										
BW [MHz]	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	23.06	23.19	23.04	24	0		
20	QPSK	1	49	23.00	23.08	22.93				
20	QPSK	1	99	23.01	23.04	22.91				
20	QPSK	50	0	23.05	23.08	23.00				
20	QPSK	50	24	22.87	22.95	22.87	24	0		
20	QPSK	50	50	23.00	23.06	23.00				
20	QPSK	100	0	22.98	23.05	22.87				
20	16QAM	1	0	22.98	23.05	22.97				
20	16QAM	1	49	22.92	23.07	22.95	24	0		
20	16QAM	1	99	22.86	23.03	23.01				
20	16QAM	50	0	22.93	23.06	22.95				
20	16QAM	50	24	22.98	23.12	23.05				
20	16QAM	50	50	23.01	23.08	23.03	24	0		
20	16QAM	100	0	22.92	23.06	22.97				
20	64QAM	1	0	22.97	23.15	22.99				
20	64QAM	1	49	22.94	23.05	22.99				
20	64QAM	1	99	23.06	23.13	22.98	24	0		
20	64QAM	50	0	22.87	23.00	22.97				
20	64QAM	50	24	23.05	23.11	23.07				
20	64QAM	50	50	23.06	23.09	22.94				
20	64QAM	100	0	22.97	23.07	23.02	22	2		
20	256QAM	1	0	20.93	20.99	20.84				
20	256QAM	1	49	20.84	20.98	20.85				
20	256QAM	1	99	21.01	21.06	20.91				
20	256QAM	50	0	21.07	21.08	20.94	22	2		
20	256QAM	50	24	21.06	21.11	20.97				
20	256QAM	50	50	20.95	21.05	20.91				
20	256QAM	100	0	20.96	21.07	20.92				
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	22.91	23.08	22.89	24	0		
15	QPSK	1	37	22.85	23.04	22.76				
15	QPSK	1	74	22.90	22.86	22.76				
15	QPSK	36	0	22.85	23.02	22.85				
15	QPSK	36	20	22.78	22.90	22.72	24	0		
15	QPSK	36	39	22.85	23.01	22.83				
15	QPSK	75	0	22.93	23.01	22.88				
15	16QAM	1	0	22.81	22.95	22.87				
15	16QAM	1	37	22.88	22.98	22.90	24	0		
15	16QAM	1	74	22.72	22.97	22.98				
15	16QAM	36	0	22.86	22.90	22.78				
15	16QAM	36	20	22.94	22.95	23.02				
15	16QAM	36	39	22.92	23.04	22.97	24	0		
15	16QAM	75	0	22.79	23.01	22.89				
15	64QAM	1	0	22.81	23.01	22.85				
15	64QAM	1	37	22.83	23.01	22.89				
15	64QAM	1	74	22.93	23.01	22.94	24	0		
15	64QAM	36	0	22.69	22.85	22.83				
15	64QAM	36	20	22.99	23.02	23.05				
15	64QAM	36	39	22.98	23.04	22.85				
15	64QAM	75	0	22.82	22.99	22.98	22	2		
15	256QAM	1	0	20.77	20.94	20.68				
15	256QAM	1	37	20.75	20.82	20.76				
15	256QAM	1	74	20.86	20.91	20.77				
15	256QAM	36	0	20.91	20.94	20.83	22	2		
15	256QAM	36	20	20.99	21.08	20.81				
15	256QAM	36	39	20.86	20.88	20.77				
15	256QAM	75	0	20.82	21.03	20.86				
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	22.99	23.02	22.89	24	0		
10	QPSK	1	25	22.82	23.03	22.86				
10	QPSK	1	49	22.96	22.93	22.84				
10	QPSK	25	0	22.95	22.97	22.84				
10	QPSK	25	12	22.81	22.77	22.82	24	0		
10	QPSK	25	25	22.92	22.95	22.84				
10	QPSK	50	0	22.87	22.94	22.90				
10	16QAM	1	0	22.91	22.88	22.86				
10	16QAM	1	25	22.76	22.91	22.89	24	0		
10	16QAM	1	49	22.79	22.99	22.95				
10	16QAM	25	0	22.90	22.99	22.78				
10	16QAM	25	12	22.86	23.08	22.98				
10	16QAM	25	25	22.94	22.91	22.92	24	0		
10	16QAM	50	0	22.75	22.89	22.91				
10	64QAM	1	0	22.80	23.04	22.91				
10	64QAM	1	25	22.79	22.91	22.86				
10	64QAM	1	49	22.93	23.02	22.89	24	0		
10	64QAM	25	0	22.72	22.97	22.94				
10	64QAM	25	12	22.88	23.00	22.95				
10	64QAM	25	25	22.89	23.07	22.77				
10	64QAM	50	0	22.79	22.95	22.94	22	2		
10	256QAM	1	0	20.80	20.87	20.71				
10	256QAM	1	25	20.72	20.84	20.72				
10	256QAM	1	49	20.97	20.97	20.75				
10	256QAM	25	0	20.93	21.04	20.90	22	2		
10	256QAM	25	12	20.95	20.98	20.85				
10	256QAM	25	25	20.82	20.88	20.86				
10	256QAM	50	0	20.82	21.00	20.82				
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	22.95	23.15	22.94	24	0		
5	QPSK	1	12	22.87	22.96	22.80				
5	QPSK	1	24	22.85	22.92	22.83				
5	QPSK	12	0	22.96	23.03	22.84				
5	QPSK	12	7	22.77	22.79	22.78	24	0		
5	QPSK	12	13	22.88	22.89	22.86				
5	QPSK	25	0	22.96	22.96	22.87				
5	16QAM	1	0	22.92	22.89	22.82				
5	16QAM	1	12	22.75	23.05	22.88	24	0		
5	16QAM	1	24	22.76	22.92	22.86				
5	16QAM	12	0	22.80	22.91	22.81				
5	16QAM	12	7	22.86	23.02	23.01				
5	16QAM	12	13	22.83	22.92	22.89	24	0		
5	16QAM	25	0	22.74	23.00	22.84				
5	64QAM	1	0	22.94	23.10	22.84				
5	64QAM	1	12	22.91	22.93	22.90				
5	64QAM	1	24	22.91	23.06	22.82	24	0		
5	64QAM	12	0	22.70	22.98	22.88				
5	64QAM	12	7	22.97	22.96	23.04				
5	64QAM	12	13	22.94	22.94	22.76				
5	64QAM	25	0	22.81	22.89	22.91	22	2		
5	256QAM	1	0	20.77	20.85	20.68				
5	256QAM	1	12	20.74	20.86	20.74	22	2		
5	256QAM	1	24	20.86	21.02	20.85				
5	256QAM	12	0	20.85	21.03	20.86	22	2		
5	256QAM	12	7	20.97	21.01	20.94				
5	256QAM	12	13	20.86	21.01	20.78	22	2		
5	256QAM	25	0	20.82	20.91	20.75				

Band 41 ANT0											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40620	41055	41490	24	0	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	22.91	23.04	23.20	22.98	22.79	24	0	
20	QPSK	1	49	22.90	22.95	23.08	22.96	22.77			
20	QPSK	1	99	22.92	22.90	23.07	22.96	22.85			
20	QPSK	50	0	23.09	23.01	23.17	23.13	23.00			
20	QPSK	50	24	23.07	23.10	23.13	23.04	22.88			
20	QPSK	50	50	23.07	23.08	23.12	23.08	22.89	24	0	
20	QPSK	100	0	23.11	23.02	23.16	23.13	22.99			
20	16QAM	1	0	23.05	22.99	23.12	22.94	22.88			
20	16QAM	1	49	22.90	22.94	23.07	23.04	22.88			
20	16QAM	1	99	23.07	22.96	23.11	22.95	22.81			
20	16QAM	50	0	23.01	23.03	23.14	23.05	22.91	24	0	
20	16QAM	50	24	23.11	23.11	23.17	23.10	22.98			
20	16QAM	50	50	23.03	23.05	23.09	23.04	22.78			
20	16QAM	100	0	22.93	23.00	23.11	23.00	22.78			
20	64QAM	1	0	22.97	22.89	23.06	22.98	22.78	24	0	
20	64QAM	1	49	23.14	23.01	23.17	23.13	22.84			
20	64QAM	1	99	22.96	23.06	23.12	23.06	22.82			
20	64QAM	50	0	23.10	23.10	23.15	23.11	22.96			
20	64QAM	50	24	22.93	22.96	23.02	22.93	22.75			
20	64QAM	50	50	22.96	22.99	23.10	23.00	22.80	24	0	
20	64QAM	100	0	23.15	23.11	23.18	23.16	22.91			
20	256QAM	1	0	21.05	21.05	21.16	20.99	20.91			
20	256QAM	1	49	21.05	21.05	21.12	21.02	20.88			
20	256QAM	1	99	21.02	21.02	21.05	20.90	20.87			
20	256QAM	50	0	20.96	20.97	21.10	20.94	20.86	22	2	
20	256QAM	50	24	20.89	20.99	21.03	20.91	20.78			
20	256QAM	50	50	21.10	21.05	21.14	21.11	20.91			
20	256QAM	100	0	21.14	21.12	21.19	21.16	20.99			
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5			
15	QPSK	1	0	22.85	22.93	23.08	22.88	22.73	24.00	0	
15	QPSK	1	37	22.73	22.83	23.03	22.82	22.65			
15	QPSK	1	74	22.77	22.83	22.98	22.89	22.72			
15	QPSK	36	0	22.82	22.86	23.02	22.92	22.77			
15	QPSK	36	20	22.84	22.98	22.99	22.92	22.77			
15	QPSK	36	39	23.02	22.91	23.03	22.98	22.87	24	0	
15	QPSK	75	0	23.01	22.88	23.03	22.95	22.94			
15	16QAM	1	0	22.96	22.95	23.05	22.91	22.77			
15	16QAM	1	37	22.77	22.76	22.94	22.87	22.75			
15	16QAM	1	74	22.50	22.83	22.88	22.88	22.74			
15	16QAM	36	0	22.85	22.86	23.05	22.90	22.89	24	0	
15	16QAM	36	20	22.95	23.08	23.11	23.00	22.90			
15	16QAM	36	39	22.94	23.02	22.96	22.95	22.63			
15	16QAM	75	0	22.91	22.97	22.94	22.91	22.72			
15	64QAM	1	0	22.88	22.77	23.00	22.84	22.70	24	0	
15	64QAM	1	37	23.03	22.85	23.14	23.10	22.80			
15	64QAM	1	74	22.84	23.03	22.98	22.92	22.76			
15	64QAM	36	0	22.86	23.08	23.07	22.94	22.83			
15	64QAM	36	20	22.84	22.86	22.96	22.86	22.61			
15	64QAM	36	39	22.90	22.93	23.06	22.86	22.72	24	0	
15	64QAM	75	0	23.02	22.99	23.01	22.99	22.81			
15	256QAM	1	0	20.88	21.02	21.01	20.88	20.76			
15	256QAM	1	37	20.97	20.96	20.96	20.87	20.75			
15	256QAM	1	74	20.98	20.93	20.87	20.79	20.75			
15	256QAM	36	0	20.87	20.88	21.06	20.78	20.69	22	2	
15	256QAM	36	20	20.85	20.88	21.00	20.75	20.74			
15	256QAM	36	39	20.98	20.90	20.97	20.93	20.78			
15	256QAM	75	0	21.03	20.97	21.04	20.98	20.85			
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501	2547	2593	2639	2685			
10	QPSK	1	0	22.81	23.02	23.06	22.83	22.64	24.00	0	
10	QPSK	1	25	22.80	22.78	22.92	22.85	22.75			
10	QPSK	1	49	22.75	22.75	22.92	22.93	22.68			
10	QPSK	25	0	22.95	22.83	23.01	23.01	22.87			
10	QPSK	25	12	22.94	23.04	22.95	22.93	22.74			
10	QPSK	25	25	23.04	22.98	23.07	23.04	22.71	24	0	
10	QPSK	50	0	23.04	22.99	23.05	22.98	22.83			
10	16QAM	1	0	22.99	22.87	22.85	22.83	22.83			
10	16QAM	1	25	22.82	22.79	23.04	22.99	22.72			
10	16QAM	1	49	23.02	22.82	22.98	22.92	22.69			
10	16QAM	25	0	22.90	22.94	22.99	22.91	22.88	24	0	
10	16QAM	25	12	23.01	22.96	23.05	23.04	22.85			
10	16QAM	25	25	22.86	22.95	23.00	22.95	22.63			
10	16QAM	50	0	22.90	22.96	23.03	22.92	22.72			
10	64QAM	1	0	22.93	22.76	22.98	22.90	22.72			
10	64QAM	1	25	23.00	22.99	23.13	23.10	22.71	24	0	
10	64QAM	1	49	22.85	22.91	23.02	22.97	22.72			
10	64QAM	25	0	22.98	23.04	22.97	22.99	22.92			
10	64QAM	25	12	22.87	22.79	22.98	22.86	22.68			
10	64QAM	25	25	22.88	22.93	22.97	22.92	22.70			
10	64QAM	50	0	23.11	23.06	23.12	23.00	22.87	22	2	
10	256QAM	1	0	20.92	20.99	20.98	20.82	20.84			
10	256QAM	1	25	21.00	20.88	20.95	20.87	20.71			
10	256QAM	1	49	20.89	20.87	20.93	20.72	20.76			
10	256QAM	25	0	20.80	20.84	20.97	20.88	20.72			
10	256QAM	25	12	20.73	20.85	20.89	20.89	20.63	22	2	
10	256QAM	25	25	20.98	21.03	20.98	20.98	20.76			
10	256QAM	50	0	21.02	21.02	21.03	21.07	20.85			
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2498.5	2545.8	2593	2640.0	2687.5			
5	QPSK	1	0	22.81	22.92	23.16	22.88	22.71	24.00	0	
5	QPSK	1	12	22.85	22.82	22.94	22.90	22.68			
5	QPSK	1	24	22.83	22.76	22.98	22.86	22.76			
5	QPSK	12	0	22.99	22.88	23.06	23.02	22.93			
5	QPSK	12	7	22.95	22.93	23.10	22.91	22.71			
5	QPSK	12	13	23.00	23.05	23.08	22.96	22.83	24	0	
5	QPSK	25	0	23.00	22.95	23.06	23.11	22.94			
5	16QAM	1	0	22.97	22.84	23.01	22.85	22.72			
5	16QAM	1	12	22.80	22.77	23.00	22.96	22.78			
5	16QAM	1	24	22.90	22.94	22.96	22.89	22.65			
5	16QAM	12	0	22.89	22.89	23.05	22.95	22.76	24	0	
5	16QAM	12	7	22.99	22.93	23.02	23.00	22.90			
5	16QAM	12	13	22.87	22.88	22.96	22.87	22.71			
5	16QAM	25	0	22.79	22.93	23.00	22.86	22.61			
5	64QAM	1	0	22.86	22.77	23.01	22.86	22.73	24	0	
5	64QAM	1	12	22.99	22.99	23.03	23.10	22.74			
5	64QAM	1	24	22.93	22.98	22.98	22.92	22.85			
5	64QAM	12	0	23.05	22.99	23.08	23.08	22.75			
5	64QAM	12	7	22.82	22.89	22.84	22.81	22.62			
5	64QAM	12	13	22.86	22.84	23.05	22.82	22.73	24	0	
5	64QAM	25	0	23.12	23.00	23.05	23.03	22.84			
5	256QAM	1	0	21.02	21.03	21.14	20.90	20.81			
5	256QAM	1	12	20.96	20.88	20.96	20.92	20.80			
5	256QAM	1	24	20.93	20.94	20.93	20.81	20.73			
5	256QAM	12	0	20.86	20.82	21.02	20.80	20.76	22	2	
5	256QAM	12	7	20.85	20.82	20.98	20.89	20.68			
5	256QAM	12	13	21.02	21.03	21.09	21.02	20.86			
5	256QAM	25	0	21.02	21.00	21.08	21.12	20.94			

GSM850 ANT1	Burst Average Power (dBm)			Tune-up Limit	Frame Average Power (dBm)			Tune-up Limit
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.6	(dBm)	824.2	836.4	848.6	(dBm)
GSM 1 Tx slot	32.35	32.42	32.18	33.50	23.35	23.42	23.18	24.50
GPRS 1 Tx slot	32.29	32.31	32.06	33.50	23.29	23.31	23.06	24.50
GPRS 2 Tx slots	29.91	29.93	29.69	31.00	23.91	23.93	23.69	25.00
GPRS 3 Tx slots	27.67	27.64	27.52	29.00	23.41	23.38	23.26	24.74
GPRS 4 Tx slots	26.29	26.21	26.01	27.00	23.29	23.21	23.01	24.00
EDGE 1 Tx slot	25.16	25.24	25.11	26.50	16.16	16.24	16.11	17.50
EDGE 2 Tx slots	23.49	23.63	23.42	25.00	17.48	17.63	17.42	19.00
EDGE 3 Tx slots	22.28	22.42	22.25	23.50	16.00	16.16	17.99	19.24
EDGE 4 Tx slots	20.22	20.35	20.28	22.00	17.22	17.35	17.28	19.00

GSM1900 ANT1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	861	810		512	861	810	
	Frequency (MHz)	1850.2	1880	1909.8	1850.2	1880	1909.8	1909.8
TX Channel								
GSM 1 Tx slot	28.88	29.15	28.94	30.50	19.88	20.15	19.94	21.50
GPRS 1 Tx slot	28.75	29.07	28.86	30.50	19.75	20.07	19.86	21.50
GPRS 2 Tx slots	25.27	25.52	25.14	26.50	19.27	19.52	19.14	20.50
GPRS 3 Tx slots	23.48	23.93	23.66	25.00	19.20	19.67	19.40	20.74
GPRS 4 Tx slots	22.21	22.16	22.33	23.50	19.21	19.16	19.33	20.50
EDGE 1 Tx slot	24.46	24.70	24.32	25.00	15.46	15.70	15.32	16.00
EDGE 2 Tx slots	22.76	22.91	22.52	24.00	16.76	16.91	16.52	18.00
EDGE 3 Tx slots	21.60	21.82	21.44	23.00	17.34	17.56	17.16	18.74
EDGE 4 Tx slots	19.40	19.62	19.27	20.50	16.40	16.62	16.27	17.50

Band		WCDMA I ANT1			Tune-up Limit (dBm)	WCDMA II ANT1			Tune-up Limit (dBm)	WCDMA V ANT1			Tune-up Limit (dBm)
TX Channel		9692	9900	9938		1312	1413	1513		4132	4152	4233	
Rx Channel		9692	9900	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	22.13	22.18	22.05	23.00	22.12	22.24	22.15	23.00	22.96	23.02	22.84	24.00
3GPP Rel 99	RMG 12.2Kbps	22.19	22.26	22.10	23.00	22.21	22.36	22.23	23.00	23.08	23.15	22.92	24.00
3GPP Rel 6	HSDPA Subtest-1	21.33	21.33	21.29	22.00	21.45	21.48	21.39	22.00	22.10	22.05	21.90	23.00
3GPP Rel 6	HSDPA Subtest-2	21.08	21.27	21.28	22.00	21.22	21.34	21.36	22.00	22.01	22.08	21.88	23.00
3GPP Rel 6	HSDPA Subtest-3	20.76	20.90	20.57	21.50	20.88	21.03	20.73	21.50	21.51	21.57	21.43	22.50
3GPP Rel 6	HSDPA Subtest-4	20.81	20.79	20.80	21.50	20.88	20.91	20.85	21.50	21.50	21.62	21.39	22.50
3GPP Rel 8	DC-HSDPA Subtest-3	21.34	21.41	21.25	22.00	21.40	21.49	21.43	22.00	22.01	22.16	22.00	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	21.50	21.42	21.38	22.00	21.58	21.51	21.48	22.00	21.98	22.07	21.92	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	20.76	20.89	20.76	21.50	20.93	21.11	20.96	21.50	21.50	21.64	21.45	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	20.94	20.89	20.56	21.50	21.02	21.01	20.74	21.50	21.51	21.59	21.38	22.50
3GPP Rel 8	HSUPA Subtest-1	21.33	21.44	21.14	22.00	21.53	21.51	21.29	22.00	22.03	22.12	22.03	23.00
3GPP Rel 6	HSUPA Subtest-2	19.33	19.40	19.14	20.00	19.43	19.48	19.21	20.00	19.94	19.94	19.94	21.00
3GPP Rel 6	HSUPA Subtest-3	20.10	20.32	20.33	21.00	20.29	20.53	20.42	21.00	21.03	21.08	21.01	22.00
3GPP Rel 6	HSUPA Subtest-4	18.99	19.21	19.12	20.00	19.10	19.31	19.29	20.00	19.99	20.10	19.99	21.00
3GPP Rel 6	HSUPA Subtest-5	20.97	21.27	21.13	22.00	21.17	21.34	21.24	22.00	22.06	22.08	21.92	23.00



Band 2 ANT1													
BW (MHz)	Modulation	RB Size	RB Offset	Channel	Power Low Ch / Freq	Power High Ch / Freq	Mode	Turn-up time (sec)	MPR (dB)				
Channel													
18650 - 18655													
20	QPSK	1	0	21.40	21.48	21.38				23	0		
20	QPSK	1	49	21.43	21.48	21.43							
20	QPSK	1	99	21.44	21.55	21.48							
20	QPSK	50	24	21.34	21.44	21.37							
20	16QAM	1	49	21.33	21.38	21.28						23	0
20	16QAM	50	24	20.41	20.53	20.42							
20	16QAM	100	0	20.52	20.64	20.59							
20	QPSK	1	0	20.53	20.67	20.60				22	1		
20	QPSK	1	49	20.56	20.66	20.57							
20	64QAM	1	99	20.60	20.66	20.51							
20	64QAM	50	4	19.44	19.53	19.42				21	2		
20	64QAM	50	24	19.48	19.53	19.42							
20	64QAM	50	50	19.37	19.42	19.42							
20	64QAM	100	0	19.48	19.59	19.48							
20	256QAM	1	0	17.62	17.77	17.67				19	4		
20	256QAM	1	49	17.57	17.68	17.63							
20	256QAM	1	99	17.63	17.68	17.61							
20	256QAM	50	0	17.46	17.56	17.49							
20	256QAM	50	24	17.50	17.56	17.46							
20	256QAM	100	0	17.64	17.63	17.57				19	4		
Channel													
18655 - 18660													
16	QPSK	1	0	21.28	21.48	21.21						23	0
16	QPSK	1	37	21.31	21.35	21.34							
16	QPSK	1	74	21.34	21.38	21.37							
16	QPSK	1	99	21.28	21.38	21.27							
16	QPSK	20	0	21.29	21.41	21.31				23	0		
16	QPSK	36	19	21.19	21.29	21.22							
16	QPSK	75	0	21.27	21.34	21.24							
16	16QAM	1	37	21.20	21.21	21.26				23	0		
16	16QAM	1	74	21.28	21.33	21.36							
16	16QAM	36	19	20.38	20.38	20.37							
16	16QAM	75	0	20.45	20.54	20.46				22	1		
16	16QAM	75	0	20.41	20.50	20.55							
16	64QAM	1	0	20.41	20.44	20.35				22	1		
16	64QAM	1	74	20.45	20.40	20.40							
16	64QAM	36	1	19.30	19.45	19.30							
16	64QAM	36	19	19.26	19.25	19.27				21	2		
16	256QAM	1	0	16.43	16.49	16.50							
16	256QAM	1	74	17.49	17.58	17.57				19	4		
16	256QAM	1	37	17.46	17.48	17.56							
16	256QAM	36	0	17.40	17.53	17.46				19	4		
16	256QAM	36	20	17.31	17.52	17.49							
16	256QAM	75	0	17.47	17.51	17.48							
16	256QAM	75	0	17.49	17.57	17.46							
Channel													
18660 - 18665													
16	QPSK	1	0	21.33	21.54	21.32				23	0		
16	QPSK	1	25	21.33	21.54	21.31							
16	QPSK	1	49	21.36	21.54	21.36							
16	QPSK	25	0	21.21	21.40	21.23				23	0		
16	QPSK	25	12	21.27	21.38	21.17							
16	QPSK	50	0	21.30	21.33	21.22				23	0		
16	16QAM	1	0	21.35	21.37	21.29							
16	16QAM	1	20	21.20	21.24	21.25				23	0		
16	16QAM	1	49	21.30	21.29	21.33							
16	16QAM	25	0	20.32	20.44	20.40				22	1		
16	16QAM	25	12	20.39	20.36	20.35							
16	16QAM	25	25	20.38	20.34	20.30				22	1		
16	16QAM	25	25	20.36	20.34	20.30							
16	64QAM	1	0	20.36	20.50	20.53				23	0		
16	64QAM	1	25	20.35	20.44	20.38							
16	64QAM	25	0	19.31	19.38	19.22				21	2		
16	64QAM	25	12	19.36	19.28	19.22							
16	64QAM	25	25	19.31	19.33	19.38				19	4		
16	64QAM	50	0	19.45	19.48	19.36							
16	256QAM	1	0	17.58	17.70	17.61				19	4		
16	256QAM	1	25	17.51	17.61	17.58							
16	256QAM	1	49	17.57	17.60	17.51				19	4		
16	256QAM	1	25	17.51	17.52	17.57							
16	256QAM	25	12	17.31	17.32	17.27				19	4		
16	256QAM	25	25	17.28	17.30	17.28							
16	256QAM	50	0	17.40	17.52	17.43							
Channel													
18665 - 18670													
3	QPSK	1	0	21.30	21.49	21.31				23	0		
3	QPSK	1	12	21.32	21.39	21.32							
3	QPSK	8	0	21.23	21.34	21.24				23	0		
3	QPSK	8	7	21.26	21.31	21.27							
3	QPSK	12	0	21.18	21.43	21.22				23	0		
3	QPSK	12	7	21.26	21.32	21.19							
3	QPSK	15	0	21.29	21.22	21.17				23	0		
3	QPSK	15	7	21.28	21.27	21.29							
3	16QAM	1	12	21.25	21.42	21.39				23	0		
3	16QAM	1	24	21.30	21.33	21.39							
3	16QAM	12	0	20.32	20.44	20.36				22	1		
3	16QAM	12	7	20.35	20.34	20.30							
3	16QAM	12	13	20.40	20.34	20.25				22	1		
3	16QAM	12	13	20.38	20.34	20.41							
3	64QAM	1	0	20.49	20.57	20.53				22	1		
3	64QAM	1	12	20.44	20.50	20.55							
3	64QAM	12	0	19.31	19.38	19.29				22	1		
3	64QAM	12	7	19.31	19.19	19.29							
3	64QAM	12	13	19.34	19.28	19.38				21	2		
3	64QAM	25	0	19.35	19.49	19.45							
3	64QAM	25	7	19.41	19.41	19.49				21	2		
3	256QAM	1	0	17.58	17.70	17.61							
3	256QAM	1	12	17.50	17.44	17.57				19	4		
3	256QAM	1	24	17.51	17.60	17.58							
3	256QAM	12	0	17.46	17.53	17.43				19	4		
3	256QAM	12	7	17.31	17.33	17.29							
3	256QAM	12	13	17.27	17.33	17.28				19	4		
Channel													
18670 - 18675													
14	QPSK	1	0	21.27	21.48	21.30						23	0
14	QPSK	1	3	21.32	21.43	21.32							
14	QPSK	3	0	21.30	21.45	21.35				23	0		
14	QPSK	3	1	21.28	21.33	21.29							
14	QPSK	6	0	21.30	21.36	21.30				23	0		
14	16QAM	1	0	21.37	21.49	21.31							
14	16QAM	1	5	21.22	21.22	21.25				23	0		
14	16QAM	1	5	21.26	21.26	21.36							
14	16QAM	3	1	21.32	21.29	21.36				22	1		
14	16QAM	3	3	21.39	21.28	21.36							
14	64QAM	1	0	20.42	20.60	20.48				22	1		
14	64QAM	1	3	20.49	20.41	20.27							
14	64QAM	3	0	19.35	19.42	19.36				22	1		
14	64QAM	3	1	20.28	20								



Band 12 ANT1													
BW (MHz)	Modulation	Channel	RB Offset	Power Low Ch / Freq	Power Mode Ch / Freq	Power High Ch / Freq	Turn-up time (sec)	MPR (dB)					
Channel													
Frequency (MHz)													
10	QPSK	1	0	22.89	22.76	22.71	24	0					
10	QPSK	1	25	22.98	22.87	22.83							
10	QPSK	1	49	22.85	22.82	22.48							
10	QPSK	25	0	22.98	22.92	22.83	24	0					
10	QPSK	25	12	22.92	22.86	22.82							
10	QPSK	25	25	22.98	22.88	22.88							
10	16QAM	1	0	22.83	22.74	22.69	24	0					
10	16QAM	1	25	22.98	22.83	22.86							
10	16QAM	1	49	22.43	22.47	22.54							
10	16QAM	25	0	22.22	22.32	22.23	23.5	0.5					
10	16QAM	25	12	22.18	22.10	22.13							
10	16QAM	25	25	22.10	22.15	22.15							
10	16QAM	50	0	22.21	22.29	22.23	23.5	0.5					
10	16QAM	50	1	22.22	22.28	22.32							
10	16QAM	1	25	22.13	22.07	22.15							
10	16QAM	25	12	21.16	21.16	21.19	22.5	1.5					
10	16QAM	25	25	21.23	21.23	21.24							
10	16QAM	50	0	21.15	21.25	21.18							
10	25QAM	1	0	19.20	19.24	19.13	20.5	3.5					
10	25QAM	1	25	19.07	19.12	19.07							
10	25QAM	1	49	19.01	19.05	19.02							
10	25QAM	25	0	19.16	19.29	19.16	20.5	3.5					
10	25QAM	25	12	19.18	19.21	19.15							
10	25QAM	25	25	19.32	19.25	19.23							
10	25QAM	50	0	19.13	19.27	19.16	20.5	3.5					
Channel													
Frequency (MHz)													
5	QPSK	1	0	22.96	22.68	22.67	24	0					
5	QPSK	1	25	22.97	22.87	22.83							
5	QPSK	1	49	22.84	22.81	22.47							
5	QPSK	25	0	22.43	22.38	22.34	24	0					
5	QPSK	12	0	22.51	22.57	22.58							
5	QPSK	12	7	22.48	22.56	22.57							
5	QPSK	12	13	22.49	22.63	22.51	24	0					
5	QPSK	25	0	22.99	22.86	22.81							
5	16QAM	1	0	22.24	22.71	22.69							
5	16QAM	1	12	22.43	22.43	22.44	24	0					
5	16QAM	1	24	22.32	22.36	22.39							
5	16QAM	12	0	22.19	22.17	22.13							
5	16QAM	12	7	22.05	22.04	22.06	23.5	0.5					
5	16QAM	12	13	22.06	22.06	22.07							
5	16QAM	25	0	22.12	22.18	22.11							
5	16QAM	25	0	22.08	22.24	22.17	23.5	0.5					
5	16QAM	25	12	22.07	22.03	22.03							
5	16QAM	12	0	21.09	21.23	21.17							
5	16QAM	12	13	21.16	21.08	21.10	22.5	1.5					
5	16QAM	25	0	21.09	21.17	21.03							
5	25QAM	1	0	19.12	19.11	19.08							
5	25QAM	1	12	19.33	19.08	19.04	20.5	3.5					
5	25QAM	1	24	19.36	19.01	19.06							
5	25QAM	12	0	19.08	19.24	19.07							
5	25QAM	12	7	19.03	19.11	19.20	20.5	3.5					
5	25QAM	12	13	19.05	19.10	19.15							
5	25QAM	25	0	19.04	19.14	19.11							
Channel													
Frequency (MHz)													
3	QPSK	1	0	22.47	22.72	22.59	24	0					
3	QPSK	1	8	22.50	22.56	22.52							
3	QPSK	1	16	22.40	22.32	22.42							
3	QPSK	8	0	22.60	22.60	22.54	24	0					
3	QPSK	8	4	22.45	22.52	22.58							
3	QPSK	8	8	22.51	22.59	22.67							
3	16QAM	1	0	22.58	22.63	22.63	24	0					
3	16QAM	1	8	22.49	22.68	22.56							
3	16QAM	1	16	22.43	22.41	22.48							
3	16QAM	1	14	22.38	22.43	22.43	24	0					
3	16QAM	8	0	22.11	22.21	22.11							
3	16QAM	8	4	22.08	22.03	22.03							
3	16QAM	8	7	21.98	21.99	22.05	23.5	0.5					
3	16QAM	16	0	22.14	22.21	22.13							
3	16QAM	1	0	22.05	22.15	22.18							
3	16QAM	1	0	22.05	22.01	22.01	23.5	0.5					
3	16QAM	8	0	21.09	21.20	21.10							
3	16QAM	8	4	21.13	21.13	21.08							
3	16QAM	8	7	21.20	21.15	21.20	22.5	1.5					
3	16QAM	15	0	21.07	21.15	21.06							
3	16QAM	15	8	21.09	21.19	21.09							
3	25QAM	1	0	19.16	19.19	19.08	20.5	3.5					
3	25QAM	1	8	19.08	19.07	19.07							
3	25QAM	8	10	18.98	18.96	18.95							
3	25QAM	8	4	19.04	19.10	19.10	20.5	3.5					
3	25QAM	8	7	19.19	19.16	19.11							
3	25QAM	15	0	19.06	19.23	19.09							
Channel													
Frequency (MHz)													
1.4	QPSK	1	0	22.46	22.67	22.58	24	0					
1.4	QPSK	1	3	22.44	22.59	22.58							
1.4	QPSK	1	6	22.42	22.49	22.49							
1.4	QPSK	3	0	22.53	22.60	22.57	24	0					
1.4	QPSK	3	3	22.45	22.61	22.57							
1.4	QPSK	3	6	22.48	22.61	22.61							
1.4	QPSK	6	0	22.49	22.68	22.58	24	0					
1.4	QPSK	6	3	22.41	22.38	22.44							
1.4	QPSK	6	6	22.35	22.39	22.41							
1.4	16QAM	1	0	22.46	22.56	22.54	24	0					
1.4	16QAM	1	3	22.53	22.45	22.55							
1.4	16QAM	1	6	22.55	22.45	22.54							
1.4	16QAM	3	0	22.56	22.47	22.50	23.5	0.5					
1.4	16QAM	3	3	22.43	22.23	22.28							
1.4	16QAM	3	6	22.10	22.16	22.15							
1.4	16QAM	3	9	22.02	22.02	22.02	23.5	0.5					
1.4	16QAM	6	0	22.03	22.03	22.04							
1.4	16QAM	6	3	22.13	22.15	22.14							
1.4	16QAM	6	6	22.07	22.07	22.07	22.5	1.5					
1.4	16QAM	3	0	22.09	22.15	22.15							
1.4	16QAM	6	0	22.10	22.19	22.14							
1.4	16QAM	6	3	22.05	22.14	22.06	20.5	3.5					
1.4	16QAM	3	3	19.86	19.92	19.82							
1.4	16QAM	3	6	19.82	19.86	19.87							
1.4	16QAM	3	9	19.87	19.87	19.87	20.5	3.5					
1.4	16QAM	3	12	19.92	19.92	19.92							
1.4	16QAM	3	15	19.11	19.13	19.12							
1.4	16QAM	3	18	19.18	19.11	19.12	20.5	3.5					
1.4	16QAM	3	21	19.19	19.21	19.19							
1.4	16QAM	3	24	19.11	19.13	19.12							

Band 13 ANT1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mode Ch / Freq	Power High Ch / Freq	Turn-up time (sec)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	762	762	762	23.5	0	
10	QPSK	1	25	762	762	762			
10	QPSK	1	49	762	762	762			
10	QPSK	25	0	762	762	762			
10	QPSK	25	25	762	762	762			
10	QPSK	50	0	762	762	762			
10	QPSK	1	25	762	762	762	23.5	0	
10	QPSK	1	49	762	762	762			
10	QPSK	25	0	762	762	762			
10	QPSK	25	25	762	762	762			
10	QPSK	50	0	762	762	762			
10	QPSK	1	25	762	762	762	23	0.5	
10	QPSK	1	49	762	762	762			
10	QPSK	25	0	762	762	762			
10	QPSK	25	25	762	762	762			
10	QPSK	50	0	762	762	762			
10	QPSK	1	49	762	762	762	23	0.5	
10	QPSK	25	0	762	762	762			
10	QPSK	25	25	762	762	762			
10	QPSK	50	0	762	762	762	22	1.5	
10	QPSK	1	25	762	762	762			
10	QPSK	1	49	762	762	762			
10	QPSK	25	0	762	762	762			
10	QPSK	25	25	762	762	762			
10	QPSK	50	0	762	762	762			
10	QPSK	1	25	762	762	762	20	3.5	
10	QPSK	1	49	762	762	762			
10	QPSK	25	0	762	762	762			
10	QPSK	25	25	762	762	762			
10	QPSK	50	0	762	762	762			
Frequency (MHz)									
				779.5	770	784.5			
5	QPSK	1	0	22.12	22.21	22.08	23.5	0	
5	QPSK	1	12	22.08	22.08	21.98			
5	QPSK	1	24	22.04	22.07	22.01			
5	QPSK	12	0	22.08	22.08	22.01			
5	QPSK	12	12	21.97	22.07	21.97	23.5	0	
5	QPSK	12	24	21.96	21.96	21.83			
5	QPSK	26	0	21.97	22.03	21.97			
5	QPSK	26	12	21.97	22.03	21.97			
5	QPSK	1	12	21.97	22.06	21.98	23.5	0	
5	QPSK	1	24	21.98	21.93	21.88			
5	QPSK	12	7	21.45	21.52	21.49			
5	QPSK	12	15	21.50	21.33	21.38			
5	QPSK	26	0	21.50	21.60	21.49			
5	QPSK	1	0	21.76	21.82	21.70	22	0.5	
5	QPSK	1	12	21.76	21.86	21.83			
5	QPSK	12	0	21.48	21.41	21.43			
5	QPSK	12	0	20.51	20.60	20.53			
5	QPSK	12	12	20.56	20.46	20.50			
5	QPSK	12	13	20.47	20.37	20.45	22	1.5	
5	QPSK	26	0	20.52	20.73	20.55			
5	QPSK	26	12	20.47	20.57	20.45			
5	QPSK	1	12	16.36	16.43	16.40	20	3.5	
5	QPSK	1	24	16.36	16.43	16.40			
5	QPSK	12	7	16.40	16.39	16.35			
5	QPSK	12	7	16.47	16.45	16.40			
5	QPSK	12	13	16.38	16.36	16.40			
5	QPSK	26	0	16.40	16.45	16.40	20	3.5	
5	QPSK	26	12	16.40	16.45	16.40			

Band 26 ANT1												
RF Band	Modulation	RB Size	RB Offset	Power [dBm]	Power [dBm]	Power [dBm]	Power [dBm]	Power [dBm]	Power [dBm]	Power [dBm]	Power [dBm]	Power [dBm]
Channel	Channel	Channel	Channel	Channel	Channel	Channel	Channel	Channel	Channel	Channel	Channel	Channel
Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)
15	QPSK	1	0	22.63	22.65	22.61	22.61	22.61	22.61	22.61	22.61	22.61
15	QPSK	1	64	22.63	22.65	22.61	22.61	22.61	22.61	22.61	22.61	22.61
15	QPSK	1	74	22.48	22.55	22.41	22.41	22.41	22.41	22.41	22.41	22.41
15	QPSK	36	0	22.50	22.50	22.54	22.54	22.54	22.54	22.54	22.54	22.54
15	QPSK	36	36	22.54	22.54	22.58	22.58	22.58	22.58	22.58	22.58	22.58
15	QPSK	36	39	22.39	22.42	22.42	22.42	22.42	22.42	22.42	22.42	22.42
15	QPSK	75	0	22.30	22.45	22.33	22.33	22.33	22.33	22.33	22.33	22.33
15	QPSK	75	36	22.34	22.44	22.34	22.34	22.34	22.34	22.34	22.34	22.34
15	QPSK	75	39	22.37	22.40	22.39	22.39	22.39	22.39	22.39	22.39	22.39
15	QPSK	1	0	22.57	22.57	22.57	22.57	22.57	22.57	22.57	22.57	22.57
15	QPSK	36	0	22.03	22.08	21.98	21.98	21.98	21.98	21.98	21.98	21.98
15	QPSK	36	20	21.81	21.84	21.82	21.82	21.82	21.82	21.82	21.82	21.82
15	QPSK	36	23	21.81	21.84	21.82	21.82	21.82	21.82	21.82	21.82	21.82
15	QPSK	75	0	21.98	22.05	21.95	21.95	21.95	21.95	21.95	21.95	21.95
15	QPSK	1	0	22.01	22.12	22.01	22.01	22.01	22.01	22.01	22.01	22.01
15	QPSK	1	64	22.01	22.12	22.01	22.01	22.01	22.01	22.01	22.01	22.01
15	QPSK	1	74	21.89	21.90	21.94	21.94	21.94	21.94	21.94	21.94	21.94
15	QPSK	36	0	21.98	21.10	21.07	21.07	21.07	21.07	21.07	21.07	21.07
15	QPSK	36	36	21.98	21.14	21.07	21.07	21.07	21.07	21.07	21.07	21.07
15	QPSK	36	39	21.98	21.10	21.08	21.08	21.08	21.08	21.08	21.08	21.08
15	QPSK	75	0	21.98	21.10	21.08	21.08	21.08	21.08	21.08	21.08	21.08
15	QPSK	75	36	21.98	21.10	21.08	21.08	21.08	21.08	21.08	21.08	21.08
15	QPSK	75	39	21.98	21.10	21.08	21.08	21.08	21.08	21.08	21.08	21.08
15	QPSK	1	0	19.01	19.01	19.01	19.01	19.01	19.01	19.01	19.01	19.01
15	25QPSK	1	39	18.97	18.84	18.87	18.87	18.87	18.87	18.87	18.87	18.87
15	25QPSK	1	48	18.97	18.84	18.87	18.87	18.87	18.87	18.87	18.87	18.87
15	25QPSK	36	0	18.99	19.03	19.08	19.08	19.08	19.08	19.08	19.08	19.08
15	25QPSK	36	20	19.01	19.03	19.07	19.07	19.07	19.07	19.07	19.07	19.07
15	25QPSK	36	23	19.01	19.03	19.07	19.07	19.07	19.07	19.07	19.07	19.07
15	25QPSK	75	0	18.84	18.97	18.88	18.88	18.88	18.88	18.88	18.88	18.88
15	25QPSK	75	36	18.84	18.97	18.88	18.88	18.88	18.88	18.88	18.88	18.88
15	25QPSK	75	39	18.84	18.97	18.88	18.88	18.88	18.88	18.88	18.88	18.88
15	25QPSK	1	0	22.70	22.70	22.70	22.70	22.70	22.70	22.70	22.70	22.70
15	25QPSK	1	64	22.70	22.70	22.70	22.70	22.70	22.70	22.70	22.70	22.70
15	25QPSK	1	74	22.55	22.62	22.47	22.47	22.47	22.47	22.47	22.47	22.47
15	QPSK	1	25	22.33	22.43	22.41	22.41	22.41	22.41	22.41	22.41	22.41
15	QPSK	1	28	22.43	22.43	22.43	22.43	22.43	22.43	22.43	22.43	22.43
15	QPSK	1	29	22.45	22.45	22.45	22.45	22.45	22.45	22.45	22.45	22.45
15	QPSK	25	12	22.26	22.38	22.28	22.28	22.28	22.28	22.28	22.28	22.28
15	QPSK	25	15	22.32	22.42	22.29	22.29	22.29	22.29	22.29	22.29	22.29
15	QPSK	50	6	22.17	22.37	22.24	22.24	22.24	22.24	22.24	22.24	22.24
15	QPSK	50	9	22.22	22.32	22.24	22.24	22.24	22.24	22.24	22.24	22.24
15	QPSK	1	0	22.22	22.27	22.27	22.27	22.27	22.27	22.27	22.27	22.27
15	QPSK	1	48	22.22	22.29	22.29	22.29	22.29	22.29	22.29	22.29	22.29
15	QPSK	15	12	21.79	21.79	21.74	21.74	21.74	21.74	21.74	21.74	21.74
15	QPSK	25	25	21.76	21.72	21.87	21.87	21.87	21.87	21.87	21.87	21.87
15	QPSK	25	28	21.88	21.98	21.98	21.98	21.98	21.98	21.98	21.98	21.98
15	QPSK	1	0	21.88	22.02	21.96	21.96	21.96	21.96	21.96	21.96	21.96
15	QPSK	1	25	21.88	21.10	21.77	21.77	21.77	21.77	21.77	21.77	21.77
15	QPSK	25	25	20.87	21.03	20.98	20.98	20.98	20.98	20.98	20.98	20.98
15	QPSK	25	28	20.98	21.03	21.03	21.03	21.03	21.03	21.03	21.03	21.03
15	QPSK	50	50	20.78	20.83	20.82	20.82	20.82	20.82	20.82	20.82	20.82
15	QPSK	50	53	20.84	20.96	20.96	20.96	20.96	20.96	20.96	20.96	20.96
15	25QPSK	1	25	18.79	18.75	18.83	18.83	18.83	18.83	18.83	18.83	18.83
15	25QPSK	1	49	18.81	18.86	18.86	18.86	18.86	18.86	18.86	18.86	18.86
15	25QPSK	36	36	18.86	18.96	18.96	18.96	18.96	18.96	18.96	18.96	18.96
15	25QPSK	25	12	18.83	18.92	18.94	18.94	18.94	18.94	18.94	18.94	18.94
15	25QPSK	25	25	18.92	18.88	18.97	18.97	18.97	18.97	18.97	18.97	18.97
15	25QPSK	25	28	18.71	18.89	18.94	18.94	18.94	18.94	18.94	18.94	18.94
15	25QPSK	1	0	22.70	22.70	22.70	22.70	22.70	22.70	22.70	22.70	22.70
15	25QPSK	1	64	22.70	22.70	22.70	22.70	22.70	22.70	22.70	22.70	22.70
15	25QPSK	1	74	22.55	22.62	22.47	22.47	22.47	22.47	22.47	22.47	22.47
15	QPSK	1	12	22.28	22.44	22.41	22.41	22.41	22.41	22.41	22.41	22.41
15	QPSK	1	25	22.44	22.47	22.35	22.35	22.35	22.35	22.35	22.35	22.35
15	QPSK	1	28	22.45	22.45	22.45	22.45	22.45	22.45	22.45	22.45	22.45
15	QPSK	12	7	22.29	22.31	22.25	22.25	22.25	22.25	22.25	22.25	22.25
15	QPSK	12	10	22.27	22.35	22.28	22.28	22.28	22.28	22.28	22.28	22.28
15	QPSK	12	13	22.26	22.36	22.29	22.29	22.29	22.29	22.29	22.29	22.29
15	QPSK	1	0	22.46	22.43	22.35	22.35	22.35	22.35	22.35	22.35	22.35
15	QPSK	1	64	22.46	22.43	22.35	22.35	22.35	22.35	22.35	22.35	22.35
15	QPSK	1	24	22.30	22.38	22.40	22.40	22.40	22.40	22.40	22.40	22.40
15	QPSK	12	5	21.96	21.98	21.87	21.87	21.87	21.87	21.87	21.87	21.87
15	QPSK	12	8	21.96	21.98	21.87	21.87	21.87	21.87	21.87	21.87	21.87
15	QPSK	12	19	21.79	21.75	21.83	21.83	21.83	21.83	21.83	21.83	21.83
15	QPSK	25	5	21.96	21.91	21.82	21.82	21.82	21.82	21.82	21.82	21.82
15	QPSK	25	8	22.07	22.07	21.82	21.82	21.82	21.82	21.82	21.82	21.82
15	QPSK	1	12	21.88	21.71	21.81	21.81	21.81	21.81	21.81	21.81	21.81
15	QPSK	1	25	21.88	21.71	21.81	21.81	21.81	21.81	21.81	21.81	21.81
15	QPSK	12	25	21.81	21.81	21.81	21.81	21.81	21.81	21.81	21.81	21.81
15	QPSK	12	28	21.90	21.90	21.86	21.86	21.86	21.86	21.86	21.86	21.86
15	QPSK	12	7	20.96	21.10	21.01	21.01	21.01	21.01	21.01	21.01	21.01
15	QPSK	12	10	20.98	20.98	20.98	20.98	20.98	20.98	20.98	20.98	20.98
15	QPSK	25	0	20.74	20.89	20.85	20.85	20.85	20.85	20.85	20.85	20.85
15	25QPSK	1	0	18.87	18.96	18.80	18.80	18.80	18.80	18.80	18.80	18.80
15	25QPSK	1	64	18.87	18.96	18.80	18.80	18.80	18.80	18.80	18.80	18.80
15	25QPSK	1	24	18.80	18.76	18.77	18.77	18.77	18.77	18.77	18.77	18.77
15	25QPSK	12	5	18.95	18.94	18.97	18.97	18.97	18.97	18.97	18.97	18.97
15	25QPSK	12	8	18.95	18.94	18.97	18.97	18.97	18.97	18.97	18.97	18.97
15	25QPSK	12	19	18.94	18.98	18.78	18.78	18.78	18.78	18.78	18.78	18.78
15	25QPSK	25	0	18.75	18.91	18.79	18.79	18.79	18.79	18.79	18.79	18.79
15	25QPSK	25	8	18.75	18.91	18.79	18.79	18.79	18.79	18.79	18.79	18.79
15	25QPSK	1	0	22.70	22.70	22.70	22.70	22.70	22.70	22.70	22.70	22.70
15	25QPSK	1	64	22.70	22.70	22.70	22.70	22.70	22.70	22.70	22.70	22.70
15	25QPSK	1	74	22.55	22.62	22.47	22.47	22.47	22.47	22.47	22.47	22.47
15	QPSK	1	0	22.59	22.59	22.60	22.60	22.60	22.60	22.60	22.60	22.60
15	QPSK	1	64	22.59	22.59	22.60	22.60	22.60	22.60	22.60	22.60	22.60
15	QPSK	1	14	22.41	22.44	22.27	22.27	22.27	22.27	22.27	22.27	22.27
15	QPSK	1	25	22.30	22.49	22.35	22.35	22.35	22.35	22.35	22.35	22.35

Band 66 ANT1										
RF (MHz)	Modulation	RB Size	RB Offset	Power (dBm)	Power Ch./Frac.	Power (dBm)	Power Ch./Frac.	Turnup rate (dB)	MFR (dB)	
Channel										
Frequency (MHz)				1740	1746	1750				
20	QPSK	1	0	21.92	-22.0	21.88	-22.0			
20	QPSK	1	1	21.92	-22.0	21.88	-22.0			0
20	QPSK	1	99	21.80	-21.83	21.78	-21.83			
20	QPSK	50	0	21.67	-21.63	21.71	-21.63			
20	QPSK	50	1	21.70	-21.74	21.74	-21.68			0
20	QPSK	50	99	21.69	-21.78	21.64	-21.78			
20	QPSK	100	0	21.74	-22.00	21.73	-22.00			
20	QPSK	100	1	21.76	-21.96	21.76	-21.96			0
20	QPSK	1	49	21.79	-21.85	21.81	-21.79			
20	QPSK	50	99	21.77	-21.87	21.82	-21.87			0
20	QPSK	50	0	21.77	-21.81	21.81	-21.77			
20	QPSK	50	24	20.84	-20.78	20.85	-20.80			22
20	QPSK	50	99	20.84	-20.78	20.85	-20.80			
20	QPSK	100	0	20.97	-21.03	21.00	-21.03			
20	QPSK	1	0	20.86	-21.21	20.88	-21.21			
20	QPSK	1	1	20.86	-21.21	20.88	-21.21			22
20	QPSK	1	99	20.75	-20.98	20.77	-20.98			
20	QPSK	50	0	18.79	-19.93	19.94	-19.93			
20	QPSK	50	1	18.80	-19.93	19.94	-19.93			21
20	QPSK	100	0	18.80	-20.00	19.96	-20.00			
20	QPSK	100	1	18.80	-20.00	19.96	-20.00			
20	QPSK	1	49	17.85	-17.86	17.87	-17.87			19
20	QPSK	50	99	17.79	-17.88	17.78	-17.88			
20	QPSK	50	0	17.79	-17.84	17.84	-17.84			
20	QPSK	50	24	17.80	-17.84	17.84	-17.84			19
20	QPSK	50	99	17.80	-17.84	17.84	-17.84			
20	QPSK	100	0	17.96	-18.01	17.97	-18.01			
Channel										
Frequency (MHz)				19047	19222	19259		Turnup rate (dB)	MFR (dB)	
15	QPSK	1	0	21.77	-22.05	21.78	-22.05			
15	QPSK	1	1	21.75	-21.88	21.80	-21.88			0
15	QPSK	1	99	21.77	-21.88	21.80	-21.88			
15	QPSK	36	0	21.53	-21.69	21.68	-21.69			
15	QPSK	36	1	21.56	-21.69	21.68	-21.69			0
15	QPSK	36	99	21.56	-21.69	21.68	-21.69			
15	QPSK	74	0	21.50	-21.78	21.68	-21.78			
15	QPSK	74	1	21.55	-21.75	21.68	-21.75			22
15	QPSK	74	99	21.55	-21.75	21.68	-21.75			
15	QPSK	144	0	21.74	-21.81	21.78	-21.81			
15	QPSK	144	1	21.71	-21.74	21.73	-21.74			22
15	QPSK	36	0	20.80	-20.92	20.90	-20.92			
15	QPSK	36	99	20.88	-20.93	20.98	-20.93			22
15	QPSK	74	0	20.80	-20.94	20.91	-20.94			
15	QPSK	74	1	20.80	-20.94	20.91	-20.94			22
15	QPSK	1	97	20.05	-20.73	20.75	-20.73			
15	QPSK	1	99	20.07	-20.73	20.75	-20.73			22
15	QPSK	36	0	19.66	-19.88	19.78	-19.88			
15	QPSK	36	99	19.75	-19.89	19.88	-19.89			21
15	QPSK	74	0	19.82	-19.93	19.98	-19.93			
15	QPSK	74	1	19.87	-19.95	19.97	-19.95			21
15	QPSK	74	99	19.87	-19.95	19.97	-19.95			
15	QPSK	1	49	17.76	-17.84	17.83	-17.84			19
15	QPSK	36	0	17.85	-17.89	17.87	-17.89			
15	QPSK	36	99	17.88	-17.87	17.87	-17.89			19
15	QPSK	74	0	17.96	-18.01	17.97	-18.01			
15	QPSK	74	1	17.96	-18.01	17.97	-18.01			19
15	QPSK	36	99	17.86	-17.87	17.87	-17.89			
15	QPSK	74	99	17.86	-17.87	17.87	-17.89			19
15	QPSK	100	0	17.88	-17.97	17.97	-17.97			
15	QPSK	100	1	17.88	-17.97	17.97	-17.97			19
15	QPSK	1	49	17.88	-17.97	17.97	-17.97			
15	QPSK	1	99	17.88	-17.97	17.97	-17.97			19
15	QPSK	36	99	17.86	-17.87	17.87	-17.89			
15	QPSK	74	99	17.86	-17.87	17.87	-17.89			19
15	QPSK	100	0	17.88	-17.97	17.97	-17.97			
15	QPSK	100	1	17.88	-17.97	17.97	-17.97			19
15	QPSK	1	49	17.88	-17.97	17.97	-17.97			
15	QPSK	1	99	17.88	-17.97	17.97	-17.97			19
15	QPSK	36	99	17.86	-17.87	17.87	-17.89			
15	QPSK	74	99	17.86	-17.87	17.87	-17.89			19
15	QPSK	100	0	17.88	-17.97	17.97	-17.97			
15	QPSK	100	1	17.88	-17.97	17.97	-17.97			19
15	QPSK	1	49	17.88	-17.97	17.97	-17.97			
15	QPSK	1	99	17.88	-17.97	17.97	-17.97			19
15	QPSK	36	99	17.86	-17.87	17.87	-17.89			
15	QPSK	74	99	17.86	-17.87	17.87	-17.89			19
15	QPSK	100	0	17.88	-17.97	17.97	-17.97			
15	QPSK	100	1	17.88	-17.97	17.97	-17.97			19
15	QPSK	1	49	17.88	-17.97	17.97	-17.97			
15	QPSK	1	99	17.88	-17.97	17.97	-17.97			19
15	QPSK	36	99	17.86	-17.87	17.87	-17.89			
15	QPSK	74	99	17.86	-17.87	17.87	-17.89			19
15	QPSK	100	0	17.88	-17.97	17.97	-17.97			
15	QPSK	100	1	17.88	-17.97	17.97	-17.97			19
15	QPSK	1	49	17.88	-17.97	17.97	-17.97			
15	QPSK	1	99	17.88	-17.97	17.97	-17.97			19
15	QPSK	36	99	17.86	-17.87	17.87	-17.89			
15	QPSK	74	99	17.86	-17.87	17.87	-17.89			19
15	QPSK	100	0	17.88	-17.97	17.97	-17.97			
15	QPSK	100	1	17.88	-17.97	17.97	-17.97			19
15	QPSK	1	49	17.88	-17.97	17.97	-17.97			
15	QPSK	1	99	17.88	-17.97	17.97	-17.97			19
15	QPSK	36	99	17.86	-17.87	17.87	-17.89			
15	QPSK	74	99	17.86	-17.87	17.87	-17.89			19
15	QPSK	100	0	17.88	-17.97	17.97	-17.97			
15	QPSK	100	1	17.88	-17.97	17.97	-17.97			19
15	QPSK	1	49	17.88	-17.97	17.97	-17.97			
15	QPSK	1	99	17.88	-17.97	17.97	-17.97			19
15	QPSK	36	99	17.86	-17.87	17.87	-17.89			
15	QPSK	74	99	17.86	-17.87	17.87	-17.89			19
15	QPSK	100	0	17.88	-17.97	17.97	-17.97			
15	QPSK	100	1	17.88	-17.97	17.97	-17.97			19
15	QPSK	1	49	17.88	-17.97	17.97	-17.97			
15	QPSK	1	99	17.88	-17.97	17.97	-17.97			19
15	QPSK	36	99	17.86	-17.87	17.87	-17.89			
15	QPSK	74	99	17.86	-17.87	17.87	-17.89			19
15	QPSK	100	0	17.88	-17.97	17.97	-17.97			
15	QPSK	100	1	17.88	-17.97	17.97	-17.97			19
15	QPSK	1	49	17.88	-17.97	17.97	-17.97			
15	QPSK	1	99	17.88	-17.97	17.97	-17.97			19
15	QPSK	36	99	17.86	-17.87	17.87	-17.89			
15	QPSK	74	99	17.86	-17.87	17.87	-17.89			19
15	QPSK	100	0	17.88	-17.97	17.97	-17.97			
15	QPSK	100	1	17.88	-17.97	17.97	-17.97			19
15	QPSK	1	49	17.88	-17.97	17.97	-17.97			
15	QPSK	1	99	17.88	-17.97	17.97	-17.97			19
15	QPSK	36	99	17.86	-17.87	17.87	-17.89			
15	QPSK	74	99	17.86	-17.87	17.87	-17.89			19
15	QPSK	100	0	17.88	-17.97	17.97	-17.97			
15	QPSK	100	1	17.88	-17.97	17.97	-17.97			19
15	QPSK	1	49	17.88	-17.97	17.97	-17.97			
15	QPSK	1	99	17.88	-17.97	17.97	-17.97			19
15	QPSK	36	99	17.86	-17.87	17.87	-17.89			
15	QPSK	74	99	17.86	-17.87	17.87	-17.89			19
15	QPSK	100	0	17.88	-17.97	17.97	-17.97			
15	QPSK	100	1	17.88	-17.97	17.97	-17.97			19
15	QPSK	1	49	17.88	-17.97	17.97	-17.97			
15	QPSK	1	99	17.88	-17.97	17.97	-17.97			19
15	QPSK	36	99	17.86	-17.87	17.87	-17.89			
15	QPSK	74	99	17.86	-17.87	17.87	-17.89			19
15	QPSK	100	0	17.88	-17.97	17.97	-17.97			
15	QPSK	100	1	17.88	-17.97	17.97	-17.97			19
15	QPSK	1	49	17.88	-17.97	17.97	-17.97			
15	QPSK	1	99	17.88	-17.97	17.97	-17.97			19
15	QPSK	36	99	17.86	-17.87	17.87	-17.89			
15	QPSK	74	99	17.86	-17.87	17.87	-17.89			19
15	QPSK	100	0	17.88	-17.97	17.97	-17.97			
15	QPSK	100	1	17.88	-17.97	17.97	-17.97			19
15	QPSK	1	49	17.88	-17.97	17.97	-17.97			
15	QPSK	1	99	17.88	-17.97	17.97	-17.97			19
15	QPSK	36	99	17.86	-17.87	17.87	-17.89			
15	QPSK	74	99	17.86	-17.87	17.87	-17.89			19
15	QPSK	100	0	17.88	-17.97	17.97	-17.97			

Band 38 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				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	21.82	22.01	21.87	23	0	
20	QPSK	1	49	21.81	21.97	21.81			
20	QPSK	1	99	21.74	21.90	21.81			
20	QPSK	50	0	21.84	21.94	21.80			
20	QPSK	50	24	21.87	21.92	21.74	23	0	
20	QPSK	50	50	21.86	21.91	21.79			
20	QPSK	100	0	21.87	21.93	21.79			
20	16QAM	1	0	21.70	21.95	21.69			
20	16QAM	1	49	21.76	21.84	21.78	23	0	
20	16QAM	1	99	21.68	21.79	21.68			
20	16QAM	50	0	21.80	21.77	21.68			
20	16QAM	50	24	21.76	21.89	21.70			
20	16QAM	50	50	21.78	21.84	21.68	23	0	
20	16QAM	100	0	21.78	21.88	21.70			
20	64QAM	1	0	21.65	21.97	21.76			
20	64QAM	1	49	21.76	21.93	21.67			
20	64QAM	1	99	21.58	21.86	21.77	23	0	
20	64QAM	50	0	21.80	21.82	21.63			
20	64QAM	50	24	21.76	21.82	21.70			
20	64QAM	50	50	21.77	21.80	21.72			
20	64QAM	100	0	21.72	21.81	21.65	21	2	
20	256QAM	1	0	19.90	20.12	19.97			
20	256QAM	1	49	19.92	20.10	19.90			
20	256QAM	1	99	19.92	20.01	19.94			
20	256QAM	50	0	19.87	19.99	19.93	21	2	
20	256QAM	50	24	19.92	20.03	19.88			
20	256QAM	50	50	19.89	20.02	19.83			
20	256QAM	100	0	19.95	19.96	19.91			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	21.74	21.89	21.80	23	0	
15	QPSK	1	37	21.66	21.94	21.65			
15	QPSK	1	74	21.67	21.83	21.74			
15	QPSK	36	0	21.78	21.88	21.63			
15	QPSK	36	20	21.82	21.79	21.71	23	0	
15	QPSK	36	39	21.75	21.78	21.76			
15	QPSK	75	0	21.82	21.86	21.75			
15	16QAM	1	0	21.57	21.93	21.63			
15	16QAM	1	37	21.70	21.80	21.70	23	0	
15	16QAM	1	74	21.64	21.71	21.64			
15	16QAM	36	0	21.69	21.63	21.50			
15	16QAM	36	20	21.69	21.85	21.55			
15	16QAM	36	39	21.65	21.81	21.63	23	0	
15	16QAM	75	0	21.75	21.84	21.65			
15	64QAM	1	0	21.52	21.87	21.66			
15	64QAM	1	37	21.65	21.88	21.64			
15	64QAM	1	74	21.41	21.76	21.72	23	0	
15	64QAM	36	0	21.67	21.70	21.47			
15	64QAM	36	20	21.63	21.64	21.53			
15	64QAM	36	39	21.72	21.63	21.66			
15	64QAM	75	0	21.58	21.75	21.49	21	2	
15	256QAM	1	0	19.85	19.95	19.81			
15	256QAM	1	37	19.85	20.05	19.73			
15	256QAM	1	74	19.81	19.94	19.89			
15	256QAM	36	0	19.76	19.83	19.84	21	2	
15	256QAM	36	20	19.85	19.85	19.73			
15	256QAM	36	39	19.84	19.92	19.67			
15	256QAM	75	0	19.79	19.94	19.77			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	21.78	21.94	21.77	23	0	
10	QPSK	1	25	21.64	21.91	21.76			
10	QPSK	1	49	21.60	21.74	21.65			
10	QPSK	25	0	21.68	21.87	21.71			
10	QPSK	25	12	21.82	21.80	21.57	23	0	
10	QPSK	25	25	21.72	21.89	21.74			
10	QPSK	50	0	21.74	21.82	21.69			
10	16QAM	1	0	21.57	21.78	21.52			
10	16QAM	1	25	21.68	21.78	21.71	23	0	
10	16QAM	1	49	21.55	21.67	21.53			
10	16QAM	25	0	21.69	21.69	21.65			
10	16QAM	25	12	21.71	21.78	21.67			
10	16QAM	25	25	21.63	21.75	21.53	23	0	
10	16QAM	50	0	21.69	21.73	21.55			
10	64QAM	1	0	21.50	21.91	21.72			
10	64QAM	1	25	21.61	21.81	21.57			
10	64QAM	1	49	21.44	21.68	21.67	23	0	
10	64QAM	25	0	21.65	21.78	21.54			
10	64QAM	25	12	21.71	21.75	21.55			
10	64QAM	25	25	21.64	21.77	21.70			
10	64QAM	50	0	21.58	21.69	21.57	21	2	
10	256QAM	1	0	19.76	19.97	19.85			
10	256QAM	1	25	19.75	19.99	19.87			
10	256QAM	1	49	19.88	19.94	19.81			
10	256QAM	25	0	19.78	19.85	19.88	21	2	
10	256QAM	25	12	19.76	19.91	19.80			
10	256QAM	25	25	19.81	20.00	19.71			
10	256QAM	50	0	19.90	19.92	19.77			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	21.64	21.93	21.70	23	0	
5	QPSK	1	12	21.67	21.81	21.71			
5	QPSK	1	24	21.58	21.82	21.75			
5	QPSK	12	0	21.70	21.88	21.72			
5	QPSK	12	7	21.75	21.82	21.64	23	0	
5	QPSK	12	13	21.78	21.86	21.67			
5	QPSK	25	0	21.70	21.89	21.73			
5	16QAM	1	0	21.63	21.81	21.64			
5	16QAM	1	12	21.65	21.80	21.61	23	0	
5	16QAM	1	24	21.55	21.73	21.52			
5	16QAM	12	0	21.67	21.60	21.60			
5	16QAM	12	7	21.74	21.73	21.57			
5	16QAM	12	13	21.64	21.80	21.53	23	0	
5	16QAM	25	0	21.75	21.80	21.54			
5	64QAM	1	0	21.58	21.90	21.67	23	0	
5	64QAM	1	12	21.70	21.78	21.58			
5	64QAM	1	24	21.48	21.82	21.67			
5	64QAM	12	0	21.72	21.76	21.59			
5	64QAM	12	7	21.73	21.75	21.55	23	0	
5	64QAM	12	13	21.70	21.75	21.68			
5	64QAM	25	0	21.64	21.77	21.53			
5	256QAM	1	0	19.87	20.08	19.87			
5	256QAM	1	12	19.78	19.99	19.74	21	2	
5	256QAM	1	24	19.76	19.90	19.84			
5	256QAM	12	0	19.76	19.87	19.81			
5	256QAM	12	7	19.85	19.86	19.81			
5	256QAM	12	13	19.75	19.92	19.74	21	2	
5	256QAM	25	0	19.87	19.80	19.86			

Band 41 ANT1										
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				39760	40185	40620	41055	41490	23	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	21.88	21.95	22.09	21.92	21.65	23	0
20	QPSK	1	49	21.82	21.91	21.97	21.87	21.79		
20	QPSK	1	99	21.88	21.93	21.96	21.82	21.84	23	0
20	QPSK	50	0	21.88	21.85	22.01	21.92	21.85		
20	QPSK	50	24	21.92	21.90	22.07	21.91	22.03	23	0
20	QPSK	50	50	21.89	21.93	22.05	21.89	21.90		
20	QPSK	100	0	21.95	21.95	22.04	22.00	21.98	23	0
20	16QAM	1	0	22.01	21.90	22.03	21.92	21.95		
20	16QAM	1	49	21.80	21.87	21.94	21.86	21.90	23	0
20	16QAM	1	99	21.84	21.82	21.92	21.76	21.75		
20	16QAM	50	0	21.77	21.85	21.92	21.89	21.76	23	0
20	16QAM	50	24	21.79	21.85	21.89	21.86	21.74		
20	16QAM	50	50	21.72	21.80	21.87	21.80	21.75	23	0
20	16QAM	100	0	21.83	21.92	21.98	21.92	21.88		
20	64QAM	1	0	22.03	21.96	22.05	21.93	21.98	23	0
20	64QAM	1	49	21.79	21.82	21.89	21.79	21.79		
20	64QAM	1	99	21.84	21.82	21.87	21.84	21.80	23	0
20	64QAM	50	0	21.75	21.77	21.86	21.69	21.70		
20	64QAM	50	24	21.80	21.91	21.93	21.81	21.89	23	0
20	64QAM	50	50	21.87	21.80	21.91	21.75	21.87		
20	64QAM	100	0	21.82	21.77	21.86	21.71	21.69	21	2
20	256QAM	1	0	19.93	19.93	19.98	19.84	19.84		
20	256QAM	1	49	19.84	19.84	19.92	19.80	19.83	21	2
20	256QAM	1	99	19.89	19.84	19.95	19.82	19.89		
20	256QAM	50	0	20.02	19.92	20.06	19.96	19.93	21	2
20	256QAM	50	24	19.78	19.76	19.93	19.83	19.81		
20	256QAM	50	50	19.78	19.81	19.86	19.77	19.75	21	2
20	256QAM	100	0	20.01	19.96	20.11	20.16	20.05		
Channel				39725	40173	40620	41068	41515	23.00	0
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	21.73	21.81	22.02	21.75	21.52	23	0
15	QPSK	1	37	21.74	21.81	21.94	21.82	21.63		
15	QPSK	1	74	21.75	21.80	21.83	21.73	21.82	23	0
15	QPSK	36	0	21.80	21.80	21.82	21.82	21.71		
15	QPSK	36	20	21.89	21.86	21.91	21.74	21.89	23	0
15	QPSK	36	39	21.74	21.77	22.02	21.75	21.80		
15	QPSK	75	0	21.92	21.87	21.95	21.90	21.94	23	0
15	16QAM	1	0	21.91	21.79	21.92	21.82	21.88		
15	16QAM	1	37	21.76	21.83	21.84	21.80	21.75	23	0
15	16QAM	1	74	21.67	21.65	21.85	21.70	21.60		
15	16QAM	36	0	21.71	21.80	21.80	21.73	21.67	23	0
15	16QAM	36	20	21.63	21.80	21.75	21.78	21.65		
15	16QAM	36	39	21.61	21.65	21.81	21.73	21.61	23	0
15	16QAM	75	0	21.66	21.76	21.91	21.83	21.79		
15	64QAM	1	0	22.00	21.90	21.93	21.76	21.96	23	0
15	64QAM	1	37	21.66	21.66	21.79	21.66	21.69		
15	64QAM	1	74	21.74	21.71	21.71	21.82	21.73	23	0
15	64QAM	36	0	21.72	21.84	21.81	21.84	21.68		
15	64QAM	36	20	21.73	21.82	21.79	21.71	21.72	23	0
15	64QAM	36	39	21.70	21.67	21.77	21.64	21.74		
15	64QAM	75	0	21.67	21.61	21.79	21.60	21.65	21	2
15	256QAM	1	0	19.82	19.90	19.92	19.75	19.71		
15	256QAM	1	37	19.67	19.80	19.85	19.75	19.80	21	2
15	256QAM	1	74	19.87	19.70	19.81	19.66	19.78		
15	256QAM	36	0	20.00	19.75	19.98	19.83	19.77	21	2
15	256QAM	36	20	19.75	19.69	19.82	19.81	19.69		
15	256QAM	36	39	19.64	19.65	19.77	19.70	19.67	21	2
15	256QAM	75	0	19.90	19.84	20.01	20.07	19.98		
Channel				39700	40160	40620	41080	41540	23.00	0
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	21.79	21.85	22.02	21.76	21.61	23	0
10	QPSK	1	25	21.73	21.81	21.86	21.83	21.65		
10	QPSK	1	49	21.82	21.90	21.94	21.65	21.78	23	0
10	QPSK	25	0	21.85	21.83	21.98	21.78	21.72		
10	QPSK	25	12	21.79	21.84	21.91	21.83	22.00	23	0
10	QPSK	25	25	21.78	21.86	21.95	21.87	21.83		
10	QPSK	50	0	21.87	21.77	21.98	21.93	21.81	23	0
10	16QAM	1	0	21.99	21.82	21.98	21.86	21.79		
10	16QAM	1	25	21.68	21.74	21.87	21.74	21.82	23	0
10	16QAM	1	49	21.81	21.68	21.77	21.63	21.70		
10	16QAM	25	0	21.65	21.78	21.75	21.76	21.72	23	0
10	16QAM	25	12	21.64	21.75	21.83	21.77	21.70		
10	16QAM	25	25	21.67	21.63	21.79	21.75	21.66	23	0
10	16QAM	50	0	21.80	21.74	21.92	21.82	21.76		
10	64QAM	1	0	21.89	21.92	21.99	21.79	21.84	23	0
10	64QAM	1	25	21.65	21.65	21.72	21.67	21.81		
10	64QAM	1	49	21.77	21.77	21.85	21.79	21.68	23	0
10	64QAM	25	0	21.63	21.60	21.73	21.55	21.58		
10	64QAM	25	12	21.77	21.85	21.87	21.67	21.75	23	0
10	64QAM	25	25	21.77	21.75	21.86	21.73	21.71		
10	64QAM	50	0	21.78	21.68	21.72	21.56	21.61	21	2
10	256QAM	1	0	19.90	19.83	19.85	19.70	19.76		
10	256QAM	1	25	19.72	19.82	19.77	19.71	19.80	21	2
10	256QAM	1	49	19.75	19.80	19.83	19.72	19.79		
10	256QAM	25	0	19.86	19.81	19.93	19.84	19.85	21	2
10	256QAM	25	12	19.63	19.68	19.85	19.74	19.67		
10	256QAM	25	25	19.68	19.78	19.83	19.65	19.65	21	2
10	256QAM	50	0	19.89	19.78	20.04	20.13	19.92		
Channel				39675	40148	40620	41093	41565	23.00	0
Frequency (MHz)				2568.5	2545.8	2593	26430	26915		
5	QPSK	1	0	21.82	21.89	21.99	21.87	21.58	23	0
5	QPSK	1	12	21.74	21.79	21.89	21.74	21.64		
5	QPSK	1	24	21.76	21.79	21.78	21.75	21.73	23	0
5	QPSK	12	0	21.75	21.79	21.89	21.82	21.83		
5	QPSK	12	7	21.86	21.81	22.00	21.74	21.94	23	0
5	QPSK	12	13	21.77	21.80	21.99	21.85	21.82		
5	QPSK	25	0	21.87	21.81	21.87	21.84	21.93	23	0
5	16QAM	1	0	21.96	21.78	21.98	21.90	21.85		
5	16QAM	1	12	21.66	21.70	21.81	21.71	21.76	23	0
5	16QAM	1	24	21.68	21.75	21.87	21.69	21.71		
5	16QAM	12	0	21.73	21.79	21.85	21.73	21.71	23	0
5	16QAM	12	7	21.69	21.77	21.85	21.83	21.67		
5	16QAM	12	13	21.69	21.70	21.83	21.66	21.61	23	0
5	16QAM	25	0	21.78	21.77	21.85	21.75	21.80		
5	64QAM	1	0	21.87	21.85	21.93	21.81	21.86	23	0
5	64QAM	1	12	21.74	21.66	21.83	21.63	21.75		
5	64QAM	1	24	21.78	21.79	21.77	21.69	21.64	21	2
5	64QAM	12	0	21.61	21.67	21.76	21.59	21.60		
5	64QAM	12	7	21.77	21.82	21.80	21.75	21.79	23	0
5	64QAM	12	13	21.85	21.77	21.75	21.66	21.79		
5	64QAM	25	0	21.80	21.69	21.71	21.61	21.53	21	2
5	256QAM	1	0	19.77	19.81	19.85	19.77	19.69		
5	256QAM	1	12	19.68	19.79	19.85	19.63	19.80	21	2
5	256QAM	1	24	19.77	19.70	19.86	19.71	19.77		
5	256QAM	12	0	19.82	19.80	19.86	19.71	19.85	21	2
5	256QAM	12	7	19.72	19.59	19.81	19.74	19.65		
5	256QAM	12	13	19.63	19.71	19.79	19.65	19.62	21	2
5	256QAM	25	0	19.85	19.78	20.00	20.00	20.02		

Band 42 Part96 ANT2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel Frequency (MHz)				43190 3460	43340 3575	43490 3690				
20	QPSK	1	0	21.27	21.55	21.16	23	0		
20	QPSK	1	49	21.32	21.33	21.17				
20	QPSK	1	99	21.21	21.25	21.17				
20	QPSK	50	0	21.33	21.37	21.29				
20	QPSK	50	24	21.18	21.40	21.18	22	1		
20	QPSK	50	50	21.16	21.34	21.24				
20	QPSK	100	0	20.30	20.33	20.29				
20	16QAM	1	0	21.13	21.26	21.17				
20	16QAM	1	49	21.14	21.19	21.08	22	1		
20	16QAM	1	99	21.01	21.23	21.04				
20	16QAM	50	0	21.36	21.12	21.21				
20	16QAM	50	24	21.29	21.22	21.28				
20	16QAM	50	50	21.08	21.30	21.01	21.5	1.5		
20	16QAM	100	0	19.58	19.90	19.52				
20	64QAM	1	0	21.25	21.40	21.35				
20	64QAM	1	49	21.39	21.29	21.28				
20	64QAM	1	99	21.08	21.25	21.11	22	1		
20	64QAM	50	0	20.24	20.15	19.98				
20	64QAM	50	24	20.19	20.04	20.18				
20	64QAM	50	50	20.12	20.34	20.12				
20	256QAM	1	0	18.66	18.56	18.73	20.5	2.5		
20	256QAM	1	0	18.31	18.37	18.33				
20	256QAM	1	49	18.27	18.34	18.20				
20	256QAM	1	99	18.13	18.27	18.10				
20	256QAM	50	0	18.19	18.30	18.16	19	4		
20	256QAM	50	24	18.37	18.33	18.32				
20	256QAM	50	50	18.14	18.21	18.25				
20	256QAM	100	0	18.32	18.37	18.32				
Channel Frequency (MHz)				43165 3557.5	43340 3575	43515 3692.5	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	21.31	21.45	21.16	23	0		
15	QPSK	1	37	21.26	21.23	21.20				
15	QPSK	1	74	21.09	21.29	21.17				
15	QPSK	36	0	21.23	21.37	21.21				
15	QPSK	36	39	21.13	21.31	21.15	22	1		
15	QPSK	75	0	20.34	20.28	20.21				
15	16QAM	1	0	21.19	21.24	21.24				
15	16QAM	1	37	21.09	21.27	21.17				
15	16QAM	1	74	21.01	21.19	21.01	22	1		
15	16QAM	36	0	21.35	21.31	21.20				
15	16QAM	36	20	21.29	21.19	21.20				
15	16QAM	36	39	21.14	21.18	21.03				
15	16QAM	75	0	21.36	21.40	21.31	22	1		
15	64QAM	1	0	21.20	21.33	21.36				
15	64QAM	1	37	21.04	21.43	21.27				
15	64QAM	1	74	21.20	21.38	21.14				
15	64QAM	36	0	20.24	20.02	20.00	20.5	2.5		
15	64QAM	36	20	20.21	20.02	20.08				
15	64QAM	36	39	20.18	20.29	20.11				
15	64QAM	75	0	20.33	20.48	20.45				
15	256QAM	1	0	18.39	18.36	18.35	19	4		
15	256QAM	1	37	18.18	18.42	18.24				
15	256QAM	1	74	18.19	18.20	18.13				
15	256QAM	36	0	18.15	18.30	18.25				
15	256QAM	36	20	18.28	18.30	18.29	19	4		
15	256QAM	36	39	18.20	18.29	18.16				
15	256QAM	75	0	18.22	18.32	18.39				
Channel Frequency (MHz)				43140 3535	43340 3575	43540 3696			Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	21.23	21.49	21.21	23	0		
10	QPSK	1	25	21.32	21.32	21.25				
10	QPSK	1	49	21.25	21.35	21.25				
10	QPSK	25	0	21.32	21.42	21.32				
10	QPSK	25	12	21.29	21.31	21.32	22	1		
10	QPSK	25	25	21.20	21.23	21.13				
10	QPSK	50	0	20.22	20.38	20.29				
10	16QAM	1	0	21.14	21.27	21.17				
10	16QAM	1	25	21.13	21.19	21.16	22	1		
10	16QAM	1	49	21.09	21.15	21.00				
10	16QAM	25	0	21.37	21.15	21.14				
10	16QAM	25	12	21.26	21.14	21.15				
10	16QAM	25	25	21.00	21.24	21.08	21.5	1.5		
10	16QAM	50	0	21.30	21.46	21.20				
10	64QAM	1	0	21.25	21.38	21.27				
10	64QAM	1	25	21.30	21.39	21.28				
10	64QAM	1	49	21.22	21.23	21.18	22	1		
10	64QAM	25	0	20.12	20.06	20.00				
10	64QAM	25	12	20.22	20.01	20.14				
10	64QAM	25	25	20.20	20.08	20.09				
10	64QAM	50	0	20.43	20.30	20.40	20.5	2.5		
10	256QAM	1	0	18.38	18.47	18.34				
10	256QAM	1	25	18.29	18.31	18.14				
10	256QAM	1	49	18.19	18.29	18.21				
10	256QAM	25	0	18.21	18.28	18.26	19	4		
10	256QAM	25	12	18.37	18.42	18.38				
10	256QAM	25	25	18.14	18.30	18.20				
10	256QAM	50	0	18.31	18.42	18.37				
Channel Frequency (MHz)				43115 3552.5	43350 3597.5	43585	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	21.32	21.43	21.24	23	0		
5	QPSK	1	12	21.26	21.33	21.22				
5	QPSK	1	24	21.12	21.28	21.23				
5	QPSK	12	0	21.29	21.35	21.26				
5	QPSK	12	7	21.23	21.39	21.26	22	1		
5	QPSK	12	13	21.22	21.32	21.16				
5	QPSK	25	0	20.33	20.35	20.35				
5	16QAM	1	0	21.13	21.33	21.24				
5	16QAM	1	12	21.13	21.31	21.24	22	1		
5	16QAM	1	24	21.05	21.22	21.09				
5	16QAM	12	0	21.35	21.14	21.14				
5	16QAM	12	7	21.24	21.16	21.27				
5	16QAM	12	13	21.10	21.23	21.07	21.5	1.5		
5	16QAM	25	0	21.29	21.40	21.34				
5	64QAM	1	0	21.24	21.25	21.22				
5	64QAM	1	12	21.36	21.31	21.38				
5	64QAM	1	24	21.23	21.27	21.19	22	1		
5	64QAM	12	0	20.19	20.11	20.06				
5	64QAM	12	7	20.19	20.09	20.12				
5	64QAM	12	13	20.09	20.30	20.19				
5	64QAM	25	0	20.39	20.49	20.39	20.5	2.5		
5	256QAM	1	0	18.27	18.45	18.35				
5	256QAM	1	12	18.19	18.36	18.16				
5	256QAM	1	24	18.11	18.16	18.09				
5	256QAM	12	0	18.16	18.27	18.19	19	4		
5	256QAM	12	7	18.22	18.30	18.34				
5	256QAM	12	13	18.21	18.33	18.09				
5	256QAM	25	0	18.24	18.36	18.33				

Band 42 FCC Part27Q ANT2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel Frequency (MHz)				42190 3460	42990 3500	42990 3545.5				
20	QPSK	1	0	21.45	21.65	21.39				
20	QPSK	1	49	21.43	21.47	21.37	23	0		
20	QPSK	1	99	21.36	21.49	21.40				
20	QPSK	50	0	21.43	21.54	21.42				
20	QPSK	50	24	21.41	21.50	21.42	22	1		
20	QPSK	50	50	21.38	21.42	21.38				
20	QPSK	100	0	20.45	20.45	20.45				
20	16QAM	1	0	21.35	21.49	21.39				
20	16QAM	1	49	21.30	21.42	21.29	22	1		
20	16QAM	1	99	21.23	21.37	21.22				
20	16QAM	50	0	21.48	21.30	21.36				
20	16QAM	50	24	21.46	21.32	21.40	21.5	1.5		
20	16QAM	50	50	21.24	21.39	21.24				
20	16QAM	100	0	19.66	19.51	19.67				
20	64QAM	1	0	21.37	21.50	21.48				
20	64QAM	1	49	21.50	21.54	21.50	22	1		
20	64QAM	1	99	21.33	21.44	21.31				
20	64QAM	50	0	20.36	20.26	20.22				
20	64QAM	50	24	20.40	20.24	20.31	20.5	2.5		
20	64QAM	50	50	20.33	20.34	20.30				
20	64QAM	100	0	18.55	18.50	18.67				
20	256QAM	1	0	18.51	18.58	18.52				
20	256QAM	1	49	18.42	18.53	18.39	19	4		
20	256QAM	1	99	18.30	18.39	18.31				
20	256QAM	50	0	18.38	18.52	18.38				
20	256QAM	50	24	18.48	18.54	18.51	19	4		
20	256QAM	50	50	18.34	18.43	18.33				
20	256QAM	100	0	18.45	18.53	18.50				
Channel Frequency (MHz)				42165 3457.5	42990 3500	43015 3542.5	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	21.51	21.60	21.43				
15	QPSK	1	37	21.35	21.39	21.32	23	0		
15	QPSK	1	74	21.22	21.43	21.24				
15	QPSK	36	0	21.41	21.43	21.39	22	1		
15	QPSK	36	39	21.24	21.32	21.28				
15	QPSK	75	0	21.27	21.37	21.32				
15	16QAM	1	0	21.41	21.39	21.39	22	1		
15	16QAM	1	37	21.23	21.39	21.25				
15	16QAM	1	74	21.19	21.25	21.21				
15	16QAM	36	0	21.43	21.43	21.39	21.5	1.5		
15	16QAM	36	39	21.36	21.40	21.31				
15	16QAM	36	39	21.16	21.33	21.25				
15	16QAM	75	0	21.23	21.43	21.34	22	1		
15	64QAM	1	0	21.33	21.37	21.32				
15	64QAM	1	37	21.35	21.45	21.42				
15	64QAM	1	74	21.22	21.29	21.22	22	1		
15	64QAM	36	0	20.33	20.48	20.45				
15	64QAM	36	39	20.46	20.50	20.39	20.5	2.5		
15	64QAM	36	39	20.23	20.39	20.32				
15	64QAM	75	0	20.34	20.38	20.26				
15	256QAM	1	0	18.34	18.52	18.32				
15	256QAM	1	37	18.31	18.42	18.27	19	4		
15	256QAM	1	74	18.31	18.30	18.26				
15	256QAM	36	0	18.32	18.48	18.29				
15	256QAM	36	39	18.36	18.50	18.38	19	4		
15	256QAM	36	39	18.21	18.33	18.26				
15	256QAM	75	0	18.28	18.38	18.40				
Channel Frequency (MHz)				42140 3465	42990 3500	43040 3545	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	21.53	21.53	21.48				
10	QPSK	1	25	21.28	21.34	21.25	23	0		
10	QPSK	1	49	21.29	21.44	21.22				
10	QPSK	25	0	21.42	21.47	21.28				
10	QPSK	25	12	21.25	21.47	21.28	22	1		
10	QPSK	25	25	21.26	21.36	21.24				
10	QPSK	50	0	21.37	21.45	21.38				
10	16QAM	1	0	21.33	21.45	21.37				
10	16QAM	1	25	21.26	21.37	21.26	22	1		
10	16QAM	1	49	21.14	21.34	21.22				
10	16QAM	25	0	21.49	21.45	21.44				
10	16QAM	25	12	21.30	21.46	21.26	21.5	1.5		
10	16QAM	25	25	21.23	21.25	21.22				
10	16QAM	50	0	21.25	21.38	21.35				
10	64QAM	1	0	21.29	21.43	21.32				
10	64QAM	1	25	21.34	21.40	21.43	22	1		
10	64QAM	1	49	21.33	21.39	21.19				
10	64QAM	25	0	20.30	20.45	20.40				
10	64QAM	25	12	20.43	20.50	20.40	20.5	2.5		
10	64QAM	25	25	20.21	20.39	20.32				
10	64QAM	50	0	20.26	20.41	20.30				
10	256QAM	1	0	18.34	18.50	18.37				
10	256QAM	1	25	18.37	18.43	18.33	19	4		
10	256QAM	1	49	18.33	18.28	18.22				
10	256QAM	25	0	18.32	18.45	18.34				
10	256QAM	25	12	18.34	18.44	18.38	19	4		
10	256QAM	25	25	18.26	18.39	18.19				
10	256QAM	50	0	18.34	18.46	18.31				
Channel Frequency (MHz)				42115 3452.5	42990 3500	43065 3547.5	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	21.56	21.52	21.45				
5	QPSK	1	12	21.35	21.35	21.34	23	0		
5	QPSK	1	24	21.33	21.40	21.22				
5	QPSK	12	0	21.42	21.47	21.29				
5	QPSK	12	7	21.27	21.39	21.34	22	1		
5	QPSK	12	13	21.25	21.32	21.29				
5	QPSK	25	0	21.30	21.46	21.29				
5	16QAM	1	0	21.36	21.40	21.35				
5	16QAM	1	12	21.28	21.37	21.24	22	1		
5	16QAM	1	24	21.18	21.27	21.16				
5	16QAM	12	0	21.50	21.47	21.32				
5	16QAM	12	7	21.30	21.43	21.33	21.5	1.5		
5	16QAM	12	13	21.17	21.25	21.24				
5	16QAM	25	0	21.29	21.40	21.34				
5	64QAM	1	0	21.27	21.41	21.22				
5	64QAM	1	12	21.34	21.45	21.40	22	1		
5	64QAM	1	24	21.23	21.34	21.23				
5	64QAM	12	0	20.39	20.42	20.46				
5	64QAM	12	7	20.39	20.36	20.35	20.5	2.5		
5	64QAM	12	13	20.15	20.36	20.35				
5	64QAM	25	0	20.26	20.39	20.32				
5	256QAM	1	0	18.34	18.54	18.34				
5	256QAM	1	12	18.33	18.46	18.33	19	4		
5	256QAM	1	24	18.29	18.27	18.20				
5	256QAM	12	0	18.34	18.46	18.33				
5	256QAM	12	7	18.29	18.44	18.34	19	4		
5	256QAM	12	13	18.23	18.29	18.23				
5	256QAM	25	0	18.31	18.41	18.34				

Band 43 ANT2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel Frequency (MHz)				43590 3610	43990 3650	44390 3690				
20	QPSK	1	0	21.56	21.72	21.64	23	0		
20	QPSK	1	49	21.53	21.57	21.42				
20	QPSK	1	99	21.56	21.60	21.54				
20	QPSK	50	0	21.62	21.68	21.64				
20	QPSK	50	24	21.61	21.66	21.54	22	1		
20	QPSK	50	50	21.55	21.61	21.53				
20	QPSK	100	0	20.53	20.62	20.50				
20	16QAM	1	0	21.48	21.55	21.47				
20	16QAM	1	49	21.50	21.57	21.44	22	1		
20	16QAM	1	99	21.46	21.60	21.51				
20	16QAM	50	0	21.40	21.44	21.33				
20	16QAM	50	24	21.34	21.43	21.38				
20	16QAM	50	50	21.38	21.45	21.30	21.5	1.5		
20	16QAM	100	0	19.56	19.63	19.58				
20	64QAM	1	0	21.57	21.65	21.52				
20	64QAM	1	49	21.55	21.63	21.52	22	1		
20	64QAM	1	99	21.60	21.66	21.61				
20	64QAM	50	0	20.40	20.46	20.36				
20	64QAM	50	24	20.33	20.46	20.36				
20	64QAM	50	50	20.44	20.48	20.36	20.5	2.5		
20	64QAM	100	0	18.57	18.64	18.53				
20	256QAM	1	0	18.43	18.47	18.35				
20	256QAM	1	49	18.44	18.58	18.48	19	4		
20	256QAM	1	99	18.36	18.48	18.39				
20	256QAM	50	0	18.52	18.62	18.51				
20	256QAM	50	24	18.57	18.64	18.57				
20	256QAM	50	50	18.48	18.63	18.55	19	4		
20	256QAM	100	0	18.52	18.60	18.54				
Channel Frequency (MHz)				43565 3607.5	43990 3650	44415 3692.5	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	21.54	21.67	21.60	23	0		
15	QPSK	1	37	21.33	21.44	21.45				
15	QPSK	1	74	21.37	21.57	21.47				
15	QPSK	36	0	21.49	21.58	21.46				
15	QPSK	36	20	21.48	21.55	21.47	22	1		
15	QPSK	36	39	21.48	21.53	21.37				
15	QPSK	75	0	21.45	21.55	21.42				
15	16QAM	1	0	21.45	21.41	21.39				
15	16QAM	1	37	21.44	21.46	21.33	22	1		
15	16QAM	1	74	21.42	21.56	21.41				
15	16QAM	36	0	21.21	21.34	21.25				
15	16QAM	36	20	21.28	21.36	21.28				
15	16QAM	36	39	21.31	21.34	21.30	21.5	1.5		
15	16QAM	75	0	21.23	21.39	21.26				
15	64QAM	1	0	21.48	21.56	21.47				
15	64QAM	1	37	21.45	21.59	21.46	22	1		
15	64QAM	1	74	21.48	21.59	21.47				
15	64QAM	36	0	20.32	20.34	20.25				
15	64QAM	36	20	20.19	20.41	20.25				
15	64QAM	36	39	20.34	20.44	20.33	20.5	2.5		
15	64QAM	75	0	20.26	20.37	20.28				
15	256QAM	1	0	18.25	18.34	18.31				
15	256QAM	1	37	18.43	18.54	18.43	19	4		
15	256QAM	1	74	18.28	18.45	18.32				
15	256QAM	36	0	18.39	18.51	18.46				
15	256QAM	36	20	18.40	18.55	18.54				
15	256QAM	36	39	18.39	18.50	18.36	19	4		
15	256QAM	75	0	18.48	18.55	18.44				
Channel Frequency (MHz)				43540 3605	43990 3650	44440 3695	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	21.53	21.59	21.49	23	0		
10	QPSK	1	25	21.37	21.51	21.45				
10	QPSK	1	49	21.41	21.53	21.52				
10	QPSK	25	0	21.46	21.55	21.49				
10	QPSK	25	12	21.46	21.61	21.41	22	1		
10	QPSK	25	25	21.41	21.52	21.45				
10	QPSK	50	0	21.51	21.54	21.42				
10	16QAM	1	0	21.35	21.44	21.43				
10	16QAM	1	25	21.47	21.52	21.42	22	1		
10	16QAM	1	49	21.41	21.55	21.49				
10	16QAM	25	0	21.16	21.31	21.17				
10	16QAM	25	12	21.21	21.39	21.32	21.5	1.5		
10	16QAM	25	25	21.36	21.39	21.28				
10	16QAM	50	0	21.23	21.32	21.28				
10	64QAM	1	0	21.40	21.59	21.53				
10	64QAM	1	25	21.50	21.53	21.49	22	1		
10	64QAM	1	49	21.49	21.56	21.54				
10	64QAM	25	0	20.27	20.31	20.21				
10	64QAM	25	12	20.17	20.39	20.22				
10	64QAM	25	25	20.31	20.34	20.34	20.5	2.5		
10	64QAM	50	0	20.50	20.50	20.44				
10	256QAM	1	0	18.26	18.38	18.27				
10	256QAM	1	25	18.40	18.43	18.39	19	4		
10	256QAM	1	49	18.32	18.38	18.24				
10	256QAM	25	0	18.37	18.56	18.45				
10	256QAM	25	12	18.41	18.52	18.56				
10	256QAM	25	25	18.41	18.54	18.41	19	4		
10	256QAM	50	0	18.52	18.47	18.41				
Channel Frequency (MHz)				43515 3602.5	43990 3650	44465 3697.5	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	21.54	21.63	21.57	23	0		
5	QPSK	1	12	21.41	21.51	21.37				
5	QPSK	1	24	21.39	21.56	21.45				
5	QPSK	12	0	21.46	21.64	21.45				
5	QPSK	12	7	21.52	21.57	21.41	22	1		
5	QPSK	12	13	21.41	21.54	21.46				
5	QPSK	25	0	21.49	21.59	21.43				
5	16QAM	1	0	21.45	21.40	21.34				
5	16QAM	1	12	21.41	21.45	21.41	22	1		
5	16QAM	1	24	21.43	21.56	21.42				
5	16QAM	12	0	21.18	21.31	21.18				
5	16QAM	12	7	21.25	21.38	21.28				
5	16QAM	12	13	21.26	21.38	21.24	21.5	1.5		
5	16QAM	25	0	21.32	21.33	21.22				
5	64QAM	1	0	21.38	21.57	21.53				
5	64QAM	1	12	21.47	21.54	21.51				
5	64QAM	1	24	21.52	21.58	21.49	22	1		
5	64QAM	12	0	20.33	20.32	20.26				
5	64QAM	12	7	20.24	20.34	20.22				
5	64QAM	12	13	20.31	20.35	20.37				
5	64QAM	25	0	20.28	20.41	20.24	20.5	2.5		
5	256QAM	1	0	18.27	18.33	18.37				
5	256QAM	1	12	18.38	18.47	18.46				
5	256QAM	1	24	18.30	18.33	18.32				
5	256QAM	12	0	18.42	18.53	18.46	19	4		
5	256QAM	12	7	18.45	18.50	18.56				
5	256QAM	12	13	18.46	18.51	18.42				
5	256QAM	25	0	18.45	18.54	18.45				

Band 48 ANT2											
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	21.83	21.85	21.64	21.72	23	0		
20	QPSK	1	49	21.66	21.69	21.62	21.61				
20	QPSK	1	99	21.63	21.73	21.69	21.69				
20	QPSK	50	0	21.65	21.75	21.69	21.64	22	1		
20	QPSK	50	24	21.61	21.73	21.63	21.68				
20	QPSK	50	49	21.68	21.71	21.68	21.66				
20	QPSK	100	0	20.70	20.74	21.39	21.35	21.5	1.5		
20	16QAM	1	0	21.54	21.63	21.54	21.50				
20	16QAM	1	49	21.57	21.68	21.62	21.64				
20	16QAM	1	99	21.49	21.60	21.55	21.46	22	1		
20	16QAM	50	0	21.32	21.46	21.38	21.34				
20	16QAM	50	24	21.33	21.47	21.35	21.35				
20	16QAM	50	49	21.37	21.39	21.35	21.35	21.5	1.5		
20	16QAM	100	0	19.69	19.76	19.63	19.63				
20	64QAM	1	0	21.66	21.74	21.59	21.66				
20	64QAM	1	49	21.63	21.68	21.54	21.58	22	1		
20	64QAM	1	99	21.65	21.70	21.62	21.65				
20	64QAM	50	0	20.28	20.46	20.32	20.25				
20	64QAM	50	24	20.24	20.35	20.30	20.37	20.5	2.5		
20	64QAM	50	49	20.26	20.32	20.21	20.31				
20	64QAM	100	0	18.76	18.80	18.70	18.71				
20	256QAM	1	0	18.72	18.78	18.69	18.72	19	4		
20	256QAM	1	49	18.64	18.69	18.59	18.54				
20	256QAM	1	99	18.59	18.72	18.62	18.66				
20	256QAM	50	0	18.57	18.71	18.63	18.57	19	4		
20	256QAM	50	24	18.57	18.64	18.56	18.51				
20	256QAM	50	49	18.61	18.66	18.56	18.55				
20	256QAM	100	0	18.73	18.76	18.65	18.68	19	4		
Channel				55315	55820	56160	56665			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5				
15	QPSK	1	0	21.72	21.76	21.50	21.61	23	0		
15	QPSK	1	37	21.59	21.65	21.47	21.55				
15	QPSK	1	74	21.59	21.66	21.60	21.65				
15	QPSK	36	0	21.51	21.61	21.40	21.59	22	1		
15	QPSK	36	20	21.46	21.58	21.58	21.57				
15	QPSK	75	0	21.63	21.64	21.55	21.50				
15	16QAM	1	0	21.49	21.59	21.44	21.39	22	1		
15	16QAM	1	37	21.51	21.61	21.52	21.58				
15	16QAM	1	74	21.39	21.50	21.48	21.52				
15	16QAM	36	0	21.22	21.40	21.30	21.22	21.5	1.5		
15	16QAM	36	20	21.31	21.39	21.24	21.26				
15	16QAM	36	20	21.21	21.29	21.29	21.20				
15	16QAM	75	0	21.28	21.42	21.21	21.33	22	1		
15	64QAM	1	0	21.59	21.65	21.50	21.51				
15	64QAM	1	37	21.50	21.61	21.41	21.51				
15	64QAM	1	74	21.54	21.56	21.41	21.54	20.5	2.5		
15	64QAM	36	0	20.40	20.40	20.32	20.32				
15	64QAM	36	20	20.27	20.39	20.31	20.30				
15	64QAM	36	39	20.25	20.33	20.27	20.31	19	4		
15	64QAM	75	0	20.48	20.49	20.39	20.34				
15	256QAM	1	0	18.61	18.66	18.59	18.59				
15	256QAM	1	37	18.58	18.56	18.55	18.44	19	4		
15	256QAM	1	74	18.46	18.69	18.58	18.60				
15	256QAM	36	0	18.52	18.61	18.59	18.52				
15	256QAM	36	20	18.44	18.49	18.48	18.41	19	4		
15	256QAM	36	39	18.48	18.53	18.48	18.51				
15	256QAM	75	0	18.62	18.63	18.53	18.58				
Channel				55629	55815	56165	56680	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3555	3607.5	3642.5	3693				
10	QPSK	1	0	21.71	21.74	21.47	21.60	23	0		
10	QPSK	1	25	21.54	21.63	21.52	21.53				
10	QPSK	1	49	21.55	21.63	21.61	21.56				
10	QPSK	25	0	21.53	21.69	21.60	21.50	22	1		
10	QPSK	25	12	21.48	21.64	21.55	21.61				
10	QPSK	25	25	21.54	21.58	21.62	21.58				
10	QPSK	50	0	21.57	21.63	21.61	21.56	22	1		
10	16QAM	1	0	21.41	21.55	21.41	21.42				
10	16QAM	1	25	21.51	21.53	21.51	21.60				
10	16QAM	1	49	21.38	21.45	21.44	21.33	21.5	1.5		
10	16QAM	25	0	21.28	21.42	21.40	21.37				
10	16QAM	25	12	21.27	21.46	21.36	21.33				
10	16QAM	25	25	21.42	21.43	21.35	21.33	20.5	2.5		
10	16QAM	50	0	21.40	21.41	21.37	21.35				
10	64QAM	1	0	21.52	21.64	21.40	21.55				
10	64QAM	1	25	21.52	21.58	21.41	21.44	22	1		
10	64QAM	1	49	21.62	21.58	21.49	21.60				
10	64QAM	25	0	20.30	20.41	20.21	20.44				
10	64QAM	25	12	20.36	20.41	20.34	20.22	20.5	2.5		
10	64QAM	25	25	20.28	20.28	20.28	20.23				
10	64QAM	50	0	20.41	20.46	20.29	20.38				
10	256QAM	1	0	18.64	18.70	18.62	18.61	19	4		
10	256QAM	1	25	18.53	18.59	18.55	18.51				
10	256QAM	1	49	18.45	18.63	18.51	18.60				
10	256QAM	25	0	18.46	18.65	18.59	18.48	19	4		
10	256QAM	25	12	18.44	18.50	18.42	18.42				
10	256QAM	25	25	18.53	18.57	18.48	18.46				
10	256QAM	50	0	18.67	18.64	18.55	18.63	23	0		
Channel				55265	55310	56170	56715			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5				
5	QPSK	1	0	21.79	21.75	21.60	21.63	23	0		
5	QPSK	1	12	21.60	21.66	21.53	21.53				
5	QPSK	1	24	21.53	21.59	21.63	21.61				
5	QPSK	12	0	21.62	21.71	21.62	21.59	22	1		
5	QPSK	12	7	21.54	21.61	21.57	21.63				
5	QPSK	12	13	21.65	21.57	21.61	21.53				
5	QPSK	25	0	21.56	21.61	21.63	21.56	22	1		
5	16QAM	1	0	21.48	21.51	21.45	21.40				
5	16QAM	1	12	21.43	21.56	21.57	21.60				
5	16QAM	1	24	21.44	21.55	21.46	21.43	21.5	1.5		
5	16QAM	12	0	21.32	21.43	21.34	21.41				
5	16QAM	12	7	21.26	21.45	21.37	21.26				
5	16QAM	12	13	21.38	21.43	21.37	21.28	20.5	2.5		
5	16QAM	25	0	21.35	21.42	21.31	21.36				
5	64QAM	1	0	21.56	21.61	21.53	21.56				
5	64QAM	1	12	21.57	21.56	21.44	21.55	22	1		
5	64QAM	1	24	21.59	21.60	21.50	21.58				
5	64QAM	12	0	20.38	20.38	20.24	20.38				
5	64QAM	12	7	20.33	20.38	20.21	20.21	20.5	2.5		
5	64QAM	12	13	20.21	20.33	20.20	20.31				
5	64QAM	25	0	20.43	20.47	20.41	20.48				
5	256QAM	1	0	18.64	18.71	18.58	18.57	19	4		
5	256QAM	1	12	18.51	18.65	18.56	18.48				
5	256QAM	1	24	18.49	18.64	18.56	18.55				
5	256QAM	12	0	18.49	18.62	18.49	18.45	19	4		
5	256QAM	12	7	18.45	18.51	18.43	18.40				
5	256QAM	12	13	18.55	18.59	18.39	18.46				
5	256QAM	25	0	18.59	18.71	18.55	18.54				

Reduced Power for DSI 2 Standalone

GSM850 ANT0	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	848.6		824.2	836.4	848.6	
Frequency (MHz)	824.2	836.4	848.6		824.2	836.4	848.6	
GSM 1 Tx slot	32.66	32.75	32.55	33.50	23.66	23.75	23.55	24.50
GPRS 1 Tx slot	32.56	32.74	32.43	33.50	23.56	23.74	23.43	24.50
GPRS 2 Tx slots	29.77	29.78	29.66	31.00	23.77	23.78	23.66	25.00
GPRS 3 Tx slots	28.12	28.11	27.94	29.00	23.86	23.85	23.68	24.74
GPRS 4 Tx slots	26.63	26.78	26.37	27.00	23.63	23.78	23.37	24.00
EDGE 1 Tx slot	25.74	25.62	25.62	26.50	16.74	16.62	16.62	17.50
EDGE 2 Tx slots	24.06	24.16	23.93	25.00	18.06	18.16	17.93	19.00
EDGE 3 Tx slots	22.77	22.82	22.59	23.50	16.51	16.56	16.33	19.24
EDGE 4 Tx slots	20.76	20.80	20.65	22.00	17.76	17.80	17.65	19.00

GSM1900 ANT0	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	1909.6		1850.2	1880	1909.6	
Frequency (MHz)	1850.2	1880	1909.6		1850.2	1880	1909.6	
GSM 1 Tx slot	29.88	30.02	29.80	30.50	20.88	21.02	20.80	21.50
GPRS 1 Tx slot	29.71	29.93	29.67	30.50	20.71	20.93	20.67	21.50
GPRS 2 Tx slots	26.30	26.32	26.23	27.00	20.30	20.32	20.23	21.00
GPRS 3 Tx slots	23.74	24.13	23.88	25.00	19.48	19.87	19.62	20.74
GPRS 4 Tx slots	22.22	22.51	22.39	24.00	19.22	19.51	19.39	21.00
EDGE 1 Tx slot	24.97	25.10	25.04	25.50	15.97	16.10	16.04	16.50
EDGE 2 Tx slots	23.37	23.45	23.31	24.00	17.37	17.45	17.31	18.00
EDGE 3 Tx slots	22.12	22.38	22.25	23.00	17.86	18.12	17.99	18.74
EDGE 4 Tx slots	19.89	20.12	19.78	20.50	16.88	17.12	16.78	17.50

Band		WCDMA R ANT0			Tune-up Limit (dBm)	WCDMA R ANT0			Tune-up Limit (dBm)	WCDMA V ANT0			Tune-up Limit (dBm)
TX Channel		9602	9400	9638		1312	1413	1513		4192	4152	4233	
Rx Channel		9692	9500	9638		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	22.94	23.06	22.78	24.00	22.71	22.93	22.88	24.00	23.07	23.16	23.02	24.00
3GPP Rel 99	RMC 12.2Kbps	23.10	23.13	22.91	24.00	22.85	23.05	22.96	24.00	23.26	23.32	23.14	24.00
3GPP Rel 6	HSDPA Subtest-1	22.24	22.17	22.14	23.00	22.12	22.09	22.06	23.00	22.24	22.30	22.25	23.00
3GPP Rel 6	HSDPA Subtest-2	21.96	22.18	22.20	23.00	21.85	22.05	22.07	23.00	22.11	22.22	22.23	23.00
3GPP Rel 6	HSDPA Subtest-3	21.68	21.70	21.42	22.50	21.56	21.59	21.38	22.50	21.74	21.83	21.54	22.50
3GPP Rel 6	HSDPA Subtest-4	21.67	21.65	21.70	22.50	21.57	21.59	21.53	22.50	21.72	21.78	21.75	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.16	22.22	22.19	23.00	22.07	22.15	22.05	23.00	22.23	22.42	22.28	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.39	22.31	22.21	23.00	22.22	22.17	22.14	23.00	22.45	22.34	22.32	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.57	21.82	21.67	22.50	21.54	21.76	21.62	22.50	21.77	21.91	21.83	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.81	21.68	21.38	22.50	21.67	21.64	21.33	22.50	21.88	21.87	21.53	22.50
3GPP Rel 6	HSUPA Subtest-1	22.28	22.24	22.09	23.00	22.20	22.18	21.98	23.00	22.37	22.33	22.16	23.00
3GPP Rel 6	HSUPA Subtest-2	20.27	20.30	20.05	21.00	20.15	20.20	19.93	21.00	20.33	20.43	20.13	21.00
3GPP Rel 6	HSUPA Subtest-3	21.07	21.32	21.23	22.00	20.92	21.15	21.09	22.00	21.09	21.30	21.30	22.00
3GPP Rel 6	HSUPA Subtest-4	19.93	20.13	20.01	21.00	19.73	20.02	19.93	21.00	20.02	20.16	20.04	21.00
3GPP Rel 6	HSUPA Subtest-5	21.86	22.14	22.00	23.00	21.78	22.09	21.98	23.00	21.91	22.18	22.13	23.00



Band 2 Ant0 DS12 Standalone

BW [MHz]	Modulation	RB Size	RB Offset	Power Min Ch / Freq	Power Max Ch / Freq	Power Min Ch / Freq	Turn-up Time (s)	MPR (dB)		
Channel										
Frequency [MHz]										
20	QPSK	1	0	22.47	22.57	22.31	24	0		
20	QPSK	1	49	22.22	22.32	22.22				
20	QPSK	1	99	22.38	22.47	22.26	24	0		
20	QPSK	1	149	22.32	22.43	22.23				
20	QPSK	50	0	22.32	22.43	22.30	24	0		
20	QPSK	50	24	22.33	22.38	22.22				
20	QPSK	50	50	22.27	22.38	22.22	24	0		
20	QPSK	100	0	22.28	22.47	22.36				
20	16QAM	1	0	22.38	22.47	22.30	24	0		
20	16QAM	1	49	22.25	22.29	22.19				
20	16QAM	50	0	22.22	22.24	22.12	23	1		
20	16QAM	50	24	21.38	21.58	21.37				
20	16QAM	50	50	21.33	21.59	21.32	23	1		
20	16QAM	100	0	21.41	21.63	21.51				
20	64QAM	1	0	21.51	21.63	21.51	23	1		
20	64QAM	1	49	21.45	21.56	21.38				
20	64QAM	1	99	21.37	21.46	21.36	22	2		
20	64QAM	50	0	20.54	20.64	20.44				
20	64QAM	50	24	20.43	20.46	20.41	20	4		
20	64QAM	50	50	20.41	20.35	20.33				
20	64QAM	100	0	20.44	20.53	20.50	20	4		
20	64QAM	100	0	18.46	18.61	18.48				
20	256QAM	1	49	18.49	18.53	18.46	20	4		
20	256QAM	1	99	18.41	18.45	18.43				
20	256QAM	50	0	18.45	18.47	18.45	20	4		
20	256QAM	50	24	18.45	18.44	18.45				
20	256QAM	50	50	18.44	18.39	18.36	20	4		
20	256QAM	100	0	18.47	18.42	18.40				
Channel										
Frequency [MHz]										
15	QPSK	1	0	22.40	22.46	22.29	24	0		
15	QPSK	1	24	22.30	22.39	22.12				
15	QPSK	1	74	22.32	22.39	22.30	24	0		
15	QPSK	36	0	22.26	22.42	22.28				
15	QPSK	36	36	22.30	22.33	22.28	24	0		
15	QPSK	36	39	22.29	22.31	22.18				
15	QPSK	75	0	22.18	22.39	22.27	24	0		
15	16QAM	1	0	22.28	22.31	22.24				
15	16QAM	1	37	22.14	22.13	22.14	23	1		
15	16QAM	1	74	21.36	21.42	21.30				
15	16QAM	36	0	21.38	21.42	21.30	22	2		
15	16QAM	36	20	21.28	21.31	21.35				
15	16QAM	75	0	21.35	21.49	21.47	23	1		
15	64QAM	1	0	21.48	21.61	21.41				
15	64QAM	1	37	21.36	21.56	21.31	22	2		
15	64QAM	1	74	21.28	21.37	21.25				
15	64QAM	36	0	20.43	20.50	20.36	20	4		
15	64QAM	36	20	20.47	20.56	20.46				
15	64QAM	36	39	20.37	20.52	20.25	20	4		
15	64QAM	75	0	20.38	20.50	20.48				
15	256QAM	1	37	18.42	18.44	18.43	20	4		
15	256QAM	1	74	18.31	18.40	18.35				
15	256QAM	36	0	18.38	18.40	18.40	20	4		
15	256QAM	36	39	18.37	18.34	18.25				
15	256QAM	75	0	18.41	18.42	18.40	20	4		
15	256QAM	75	0	18.41	18.42	18.40				
Channel										
Frequency [MHz]										
10	QPSK	1	0	22.40	22.47	22.25	24	0		
10	QPSK	1	24	22.30	22.37	22.12				
10	QPSK	1	49	22.34	22.42	22.32	24	0		
10	QPSK	25	0	22.22	22.38	22.25				
10	QPSK	25	13	22.24	22.34	22.19	24	0		
10	QPSK	25	25	22.24	22.23	22.15				
10	16QAM	1	0	22.28	22.39	22.24	24	0		
10	16QAM	1	25	22.22	22.14	22.14				
10	16QAM	25	13	21.37	21.48	21.31	23	1		
10	16QAM	25	12	21.35	21.38	21.38				
10	16QAM	25	12	21.35	21.38	21.38	23	1		
10	16QAM	25	12	21.35	21.49	21.47				
10	64QAM	1	0	21.48	21.67	21.41	23	1		
10	64QAM	1	25	21.36	21.57	21.41				
10	64QAM	1	49	21.28	21.37	21.25	22	2		
10	64QAM	25	0	20.43	20.48	20.40				
10	64QAM	25	13	20.43	20.50	20.46	20	4		
10	64QAM	25	25	20.42	20.46	20.40				
10	256QAM	1	25	18.46	18.47	18.43	20	4		
10	256QAM	1	49	18.31	18.40	18.35				
10	256QAM	25	13	18.38	18.37	18.47	20	4		
10	256QAM	25	12	18.42	18.40	18.41				
10	256QAM	25	12	18.38	18.37	18.30	20	4		
10	256QAM	25	12	18.42	18.40	18.44				
Channel										
Frequency [MHz]										
5	QPSK	1	0	22.40	22.47	22.22	24	0		
5	QPSK	1	8	22.20	22.25	22.13				
5	QPSK	1	14	22.32	22.45	22.35	24	0		
5	QPSK	8	4	22.34	22.33	22.37				
5	QPSK	8	4	22.31	22.39	22.28	24	0		
5	QPSK	12	7	22.37	22.32	22.29				
5	QPSK	12	13	22.37	22.32	22.21	24	0		
5	QPSK	25	13	22.34	22.38	22.30				
5	16QAM	1	0	22.28	22.37	22.24	24	0		
5	16QAM	1	12	22.12	22.29	22.11				
5	16QAM	12	7	21.37	21.48	21.34	23	1		
5	16QAM	12	7	21.33	21.38	21.29				
5	16QAM	25	0	21.38	21.49	21.40	23	1		
5	16QAM	25	0	21.38	21.49	21.40				
5	64QAM	1	0	21.50	21.60	21.45	23	1		
5	64QAM	1	12	21.40	21.63	21.37				
5	64QAM	1	24	21.29	21.42	21.33	22	2		
5	64QAM	12	0	20.43	20.53	20.37				
5	64QAM	12	0	20.35	20.39	20.32	20	4		
5	64QAM	12	13	20.32	20.31	20.22				
5	64QAM	25	0	20.41	20.51	20.46	20	4		
5	64QAM	25	0	18.43	18.52	18.43				
5	256QAM	1	12	18.39	18.44	18.41	20	4		
5	256QAM	1	24	18.39	18.43	18.40				
5	256QAM	12	0	18.44	18.54	18.52	20	4		
5	256QAM	12	7	18.40	18.33	18.40				
5	256QAM	12	7	18.38	18.36	18.33	20	4		
5	256QAM	12	7	18.38	18.36	18.44				
Channel										
Frequency [MHz]										
3	QPSK	1	0	22.37	22.50	22.23	24	0		
3	QPSK	1	8	22.20	22.25	22.13				
3	QPSK	1	14	22.32	22.45	22.35	24	0		
3	QPSK	8	4	22.34	22.33	22.37				
3	QPSK	8	4	22.31	22.39	22.28	24	0		
3	QPSK	12	7	22.37	22.32	22.29				
3	QPSK	12	13	22.37	22.32	22.21	24	0		
3	QPSK	25	13	22.34	22.38	22.30				
3	16QAM	1	0	22.33	22.34	22.21	24	0		
3	16QAM	1	8	22.24	22.14	22.16				
3	16QAM	1	16	21.31	21.43	21.31	23	1		
3	16QAM	1	24	21.24	21.39	21.23				
3	16QAM	16	0	21.36	21.50	21.45	23	1		
3	16QAM	16	0	21.36	21.50	21.44				
3	64QAM	1	0	21.42	21.48	21.33	23	1		
3	64QAM	1	14	21.32	21.49	21.25				
3	64QAM	8	0	20.47	20.56	20.43	22	2		
3	64QAM	8	0	20.41	20.38	20.34				
3	64QAM	8	7	20.38	20.30	20.22	20	4		
3	64QAM	16	0	18.43	18.52	18.39				
3	256QAM	1	8	18.41	18.46	18.40	20	4		
3	256QAM	1	16	18.37	18.39	18.37				
3	256QAM	8	0	18.42	18.49	18.46	20	4		
3	256QAM	8	4	18.36	18.43	18.36				
3	256QAM	8	4	18.41	18.37	18.39	20	4		
3	256QAM	15	0	18.36	18.39	18.39				
Channel										
Frequency [MHz]										
1.4	QPSK	1	0	22.41	22.47	22.22	24	0		
1.4	QPSK	1	5	22.13	22.23	22.16				
1.4	QPSK	1	10	22.24	22.32	22.19	24	0		
1.4	QPSK	3	0	22.31	22.34	22.33				
1.4	QPSK	3	0	22.23	22.41	22.27	24	0		
1.4	QPSK	3	5	22.23	22.38	22.27				
1.4	QPSK	3	5	22.17	22.37	22.14	24	0		
1.4	QPSK	6	0	22.25	22.40	22.25				
1.4	16QAM	1	0	22.28	22.39	22.24	24	0		
1.4	16QAM	1	5	22.17	22.15	22.11				
1.4	16QAM	1	5	22.17	22.23	22.02	24	0		
1.4	16QAM	3	0	22.33	22.41	22.32				
1.4	16QAM	3	0	22.35	22.39	22.30	23	1		
1.4	16QAM	3	5	21.41	21.54	21.46				
1.4	16QAM	3	5	21.39	21.44	21.30	23	1		
1.4	16QAM	3	5	21.41	21.51	21.37				
1.4	16QAM	6	0	21.45	21.55	21.37	23	1		
1.4	16QAM	6	1	21.38	21.39	21.38				
1.4	16QAM	6	1	21.38	21.52	21.33	22	2		
1.4	16QAM	6	1	21.42	21.49	21.38				
1.4	64QAM	1	0	20.42	20.44	20.44	22	2		
1.4	64QAM	1	0	18.41	18.57	18.41				
1.4	64QAM	3	0	18.40	18.47	18.38	20	4		
1.4	64QAM	3	5	18.37	18.34	18.34				
1.4	256QAM	1	0	18.46	18.58	18.47	20	4		
1.4	256QAM	1	5	18.38	18.37	18.38				
1.4	256QAM	3	0	18.42	18.58	18.31	20	4		
1.4	256QAM	3	5	18.38	18.35	18.35				
Channel										
Frequency [MHz]										
0.7	QPSK	1	0	22.41	22.47	22.22	24	0		
0.7	QPSK	1	5	22.13	22.23	22.16				
0.7	QPSK	1	10	22.24	22.32	22.19	24	0		
0.7	QPSK	3	0	22.31	22.34	22.33				
0.7	QPSK	3	0	22.23	22.41	22.27	24	0		
0.7	QPSK	3	5	22.23	22.38	22.27				
0.7	QPSK	3	5	22.17	22.37	22.14	24	0		
0.7	QPSK	6	0	22.2						



Band 12 Ant0 DS12 Standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Med Ch./Freq.	Power High Ch./Freq.	Time-up Int. (sec)	MPE (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.87	22.82	22.79			
10	QPSK	1	25	22.87	22.82	22.79	24	0	
10	QPSK	1	49	22.73	22.62	22.76			
10	QPSK	25	0	22.84	22.68	22.73			
10	QPSK	25	1	22.68	22.73	22.74			
10	QPSK	25	25	22.62	22.73	22.68	24	0	
10	QPSK	50	0	22.86	22.66	22.82			
10	16QAM	1	0	22.75	22.65	22.81			
10	16QAM	1	25	22.69	22.68	22.69	24	0	
10	16QAM	1	49	22.59	22.60	22.58			
10	16QAM	25	0	22.35	22.69	22.40			
10	16QAM	25	12	22.29	22.34	22.32	23.5	0.5	
10	16QAM	25	25	22.19	22.62	22.19			
10	16QAM	50	0	22.38	22.64	22.39			
10	64QAM	1	0	22.40	22.59	22.43			
10	64QAM	1	25	22.36	22.35	22.35	23.5	0.5	
10	64QAM	1	49	22.33	22.39	22.30			
10	64QAM	25	0	21.33	21.46	21.38			
10	64QAM	25	12	21.23	21.26	21.24	22.5	1.5	
10	64QAM	25	25	21.26	21.51	21.22			
10	64QAM	50	0	21.36	21.41	21.38			
10	256QAM	1	0	18.63	18.61	18.62			
10	256QAM	1	25	18.45	18.45	18.46	20.5	3.5	
10	256QAM	1	49	18.41	18.45	18.35			
10	256QAM	25	12	18.37	18.34	18.27	20.5	3.5	
10	256QAM	25	25	18.19	18.25	18.24			
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.03	23.05	23.05			
5	QPSK	1	25	23.15	23.15	23.15	24	0	
5	QPSK	1	49	22.83	22.83	22.89			
5	QPSK	1	24	22.87	22.79	22.78			
5	QPSK	12	0	22.76	22.81	22.83			
5	QPSK	12	7	22.64	22.74	22.82	24	0	
5	QPSK	12	13	22.59	22.59	22.63			
5	QPSK	25	0	22.74	22.77	22.79			
5	16QAM	1	0	22.63	22.77	22.69			
5	16QAM	1	12	22.54	22.55	22.56	24	0	
5	16QAM	1	24	22.49	22.49	22.53			
5	16QAM	12	0	22.29	22.37	22.29			
5	16QAM	12	7	22.21	22.26	22.21	23.5	0.5	
5	16QAM	25	0	22.23	22.55	22.28			
5	64QAM	1	0	22.29	22.44	22.38			
5	64QAM	1	24	22.26	22.39	22.33	23.5	0.5	
5	64QAM	1	24	22.25	22.52	22.15			
5	64QAM	12	0	21.23	21.59	21.30			
5	64QAM	12	7	21.14	21.12	21.09	22.5	1.5	
5	64QAM	25	0	21.23	21.53	21.35			
5	256QAM	1	0	18.34	18.35	18.36			
5	256QAM	1	12	18.37	18.45	18.36	20.5	3.5	
5	256QAM	1	24	18.27	18.31	18.32			
5	256QAM	12	7	18.25	18.24	18.14	20.5	3.5	
5	256QAM	12	13	18.08	18.11	18.16			
5	256QAM	25	0	18.05	18.10	18.07			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	23.11	23.03	23.17			
1.4	QPSK	1	5	22.85	22.84	22.73	24	0	
1.4	QPSK	1	14	22.62	22.67	22.70			
1.4	QPSK	1	24	22.77	22.80	22.80			
1.4	QPSK	8	4	22.55	22.74	22.64	24	0	
1.4	QPSK	8	7	22.54	22.61	22.64			
1.4	16QAM	1	0	22.63	22.77	22.76			
1.4	16QAM	1	8	22.65	22.61	22.59	24	0	
1.4	16QAM	8	0	22.30	22.37	22.36			
1.4	16QAM	8	4	22.18	22.30	22.22	23.5	0.5	
1.4	16QAM	15	0	22.33	22.30	22.36			
1.4	64QAM	1	0	22.32	22.45	22.39	23.5	0.5	
1.4	64QAM	1	8	22.28	22.25	22.34			
1.4	64QAM	1	14	22.28	22.29	22.18			
1.4	64QAM	8	0	21.25	21.41	21.30	22.5	1.5	
1.4	64QAM	8	7	21.18	21.15	21.15			
1.4	64QAM	15	0	21.27	21.35	21.33			
1.4	256QAM	1	0	18.48	18.55	18.42			
1.4	256QAM	1	8	18.31	18.36	18.36	20.5	3.5	
1.4	256QAM	1	14	18.28	18.40	18.25			
1.4	256QAM	8	0	18.22	18.35	18.32			
1.4	256QAM	8	4	18.22	18.24	18.14	20.5	3.5	
1.4	256QAM	8	7	18.10	18.16	18.14			
1.4	256QAM	15	0	18.24	18.25	18.34			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	23.11	23.03	23.17			
1.4	QPSK	1	5	22.85	22.84	22.73	24	0	
1.4	QPSK	1	14	22.62	22.67	22.70			
1.4	QPSK	1	24	22.77	22.80	22.80			
1.4	QPSK	8	4	22.55	22.74	22.64	24	0	
1.4	QPSK	8	7	22.54	22.61	22.64			
1.4	16QAM	1	0	22.63	22.77	22.76			
1.4	16QAM	1	8	22.65	22.61	22.59	24	0	
1.4	16QAM	8	0	22.30	22.37	22.36			
1.4	16QAM	8	4	22.18	22.30	22.22	23.5	0.5	
1.4	16QAM	15	0	22.33	22.30	22.36			
1.4	64QAM	1	0	22.32	22.45	22.39	23.5	0.5	
1.4	64QAM	1	8	22.28	22.25	22.34			
1.4	64QAM	1	14	22.28	22.29	22.18			
1.4	64QAM	8	0	21.25	21.41	21.30	22.5	1.5	
1.4	64QAM	8	7	21.18	21.15	21.15			
1.4	64QAM	15	0	21.27	21.35	21.33			
1.4	256QAM	1	0	18.48	18.55	18.42			
1.4	256QAM	1	8	18.31	18.36	18.36	20.5	3.5	
1.4	256QAM	1	14	18.28	18.40	18.25			
1.4	256QAM	8	0	18.22	18.35	18.32			
1.4	256QAM	8	4	18.22	18.24	18.14	20.5	3.5	
1.4	256QAM	8	7	18.10	18.16	18.14			
1.4	256QAM	15	0	18.24	18.25	18.34			

Band 13 Ant0 DS12 Standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Med Ch./Freq.	Power High Ch./Freq.	Time-up Int. (sec)	MPE (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0		782				
10	QPSK	1	25		22.38		24	0	
10	QPSK	1	49		22.33				
10	QPSK	25	0		22.45				
10	QPSK	25	12		22.44		24	0	
10	QPSK	25	25		22.31				
10	QPSK	50	0		22.38				
10	16QAM	1	0		22.46				
10	16QAM	1	25		22.37		24	0	
10	16QAM	1	49		22.30				
10	16QAM	25	0		22.37				
10	16QAM	25	12		21.38		23.5	0.5	
10	16QAM	25	25		21.30				
10	16QAM	50	0		22.51				
10	64QAM	1	0		22.01				
10	64QAM	1	25		21.97		23.5	0.5	
10	64QAM	1	49		21.87				
10	64QAM	25	0		21.91				
10	64QAM	25	12		20.86		22.5	1.5	
10	64QAM	25	25		20.89				
10	64QAM	50	0		21.03				
10	256QAM	1	0		18.10				
10	256QAM	1	25		18.09		20.5	3.5	
10	256QAM	1	49		18.86				
10	256QAM	25	12		18.07		20.5	3.5	
10	256QAM	25	25		18.74				
10	256QAM	50	0		18.03				
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.29	22.45	22.34			
5	QPSK	1	12	22.13	22.31	22.20	24	0	
5	QPSK	1	24	22.18	22.10	22.16			
5	QPSK	12	0	22.21	22.40	22.34			
5	QPSK	12	7	22.21	22.36	22.34	24	0	
5	QPSK	12	13	22.24	22.24	22.14			
5	QPSK	25	0	22.10	22.26	22.08			
5	16QAM	1	0	22.25	22.31	22.27			
5	16QAM	1	12	22.21	22.24	22.12	24	0	
5	16QAM	1	24	22.20	22.17	22.14			
5	16QAM	12	0	21.89	21.94	21.90			
5	16QAM	12	7	21.75	21.86	21.88	23.5	0.5	
5	16QAM	25	0	21.89	21.89	21.87			
5	64QAM	1	0	21.81	22.10	21.97			
5	64QAM	1	12	21.80	21.89	21.84	23.5	0.5	
5	64QAM	1	24	21.82	21.97	21.85			
5	64QAM	12	0	20.89	20.98	20.97			
5	64QAM	12	7	20.86	20.90	20.84	22.5	1.5	
5	64QAM	25	0	20.74	20.81	20.71			
5	256QAM	1	0	20.86	20.90	20.84			
5	256QAM	1	12	18.91	19.01	18.94			
5	256QAM	1	24	18.74	18.91	18.80	20.5	3.5	
5	256QAM	12	0	18.81	18.96	18.87			
5	256QAM	12	7	18.84	18.88	18.86	23.5	0.5	
5	256QAM	25	0	18.02	18.75	18.60			
5	256QAM	25	12	18.67	18.72	18.55			
5	256QAM	25	24	18.67	18.85	18.84	20.5	3.5	

Band 26 Ant0 DSI2 Standalone																							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Med Ch / Freq.	Power High Ch / Freq.	Tune-up Band (MHz)	MPR (dB)															
Channel																							
Frequency (MHz)																							
15	QPSK	1	0	22.59	22.64	22.48	24	0															
15	QPSK	1	37	22.42	22.52	22.43																	
15	QPSK	1	74	22.38	22.50	22.38	24	0															
15	QPSK	36	0	22.49	22.54	22.50																	
15	QPSK	36	20	22.35	22.43	22.34	24	0															
15	QPSK	36	36	22.41	22.47	22.39																	
15	QPSK	75	0	22.26	22.40	22.32	24	0															
15	IQAM	1	0	22.41	22.55	22.43																	
15	IQAM	1	37	22.42	22.45	22.41	24	0															
15	IQAM	1	74	22.37	22.39	22.28																	
15	IQAM	36	0	21.94	22.03	21.90	23.5	0.5															
15	IQAM	36	20	21.87	21.87	21.87																	
15	IQAM	36	36	21.79	21.86	21.81	23.5	0.5															
15	IQAM	75	0	21.84	21.94	21.88																	
15	IQAM	1	0	21.95	22.04	21.95	23.5	0.5															
15	IQAM	1	37	21.95	21.98	21.93																	
15	IQAM	1	74	21.79	21.85	21.79	22.5	1.5															
15	IQAM	36	20	20.80	20.90	20.91																	
15	IQAM	36	36	20.75	20.81	20.78	20.5	3.5															
15	IQAM	75	0	20.99	21.06	20.90																	
15	25QAM	1	0	18.60	18.67	18.60	20.5	3.5															
15	25QAM	1	37	18.54	18.50	18.50																	
15	25QAM	1	74	18.62	18.86	18.83	20.5	3.5															
15	25QAM	36	0	18.63	18.68	18.65																	
15	25QAM	36	20	18.62	18.62	18.78	20.5	3.5															
15	25QAM	36	36	18.63	18.74	18.68																	
15	25QAM	75	0	18.62	18.67	18.67																	
Channel																							
Frequency (MHz)																							
10	QPSK	1	0	22.63	22.57	22.39	24	0															
10	QPSK	1	25	22.36	22.39	22.31																	
10	QPSK	1	49	22.24	22.38	22.32	24	0															
10	QPSK	25	0	22.28	22.43	22.39																	
10	QPSK	12	12	22.23	22.31	22.22	24	0															
10	QPSK	25	25	22.34	22.40	22.38																	
10	QPSK	50	0	22.13	22.26	22.23	24	0															
10	IQAM	0	0	22.37	22.44	22.32																	
10	IQAM	1	25	22.31	22.33	22.27	24	0															
10	IQAM	1	49	22.27	22.34	22.20																	
10	IQAM	25	0	21.84	21.99	21.84	23.5	0.5															
10	IQAM	25	12	21.78	21.77	21.82																	
10	IQAM	25	25	21.69	21.77	21.68	23.5	0.5															
10	IQAM	50	0	21.79	21.88	21.77																	
10	IQAM	1	0	21.88	21.94	21.84	22.5	1.5															
10	IQAM	25	0	21.82	21.82	21.82																	
10	IQAM	1	49	21.75	21.74	21.85	20.5	3.5															
10	IQAM	25	0	20.82	20.90	20.80																	
10	IQAM	12	12	20.75	20.77	20.76	20.5	3.5															
10	IQAM	25	25	20.62	20.75	20.72																	
10	IQAM	50	0	20.89	20.94	20.83	20.5	3.5															
10	25QAM	1	0	18.56	18.59	18.65																	
10	25QAM	1	25	18.60	18.76	18.78	20.5	3.5															
10	25QAM	1	49	18.74	18.77	18.78																	
10	25QAM	25	0	18.74	18.84	18.78	20.5	3.5															
10	25QAM	25	12	18.75	18.75	18.81																	
10	25QAM	25	25	18.74	18.65	18.64	20.5	3.5															
10	25QAM	50	0	18.65	18.78	18.68																	
Channel																							
Frequency (MHz)																							
5	QPSK	1	0	22.47	22.40	22.32	24	0															
5	QPSK	1	12	22.38	22.45	22.37																	
5	QPSK	1	24	22.25	22.39	22.30	24	0															
5	QPSK	12	12	22.47	22.48	22.40																	
5	QPSK	12	13	22.24	22.38	22.27	24	0															
5	QPSK	25	25	22.20	22.34	22.19																	
5	IQAM	0	0	22.29	22.52	22.30	24	0															
5	IQAM	1	12	22.38	22.35	22.32																	
5	IQAM	1	24	22.28	22.35	22.19	23.5	0.5															
5	IQAM	12	0	21.88	21.95	21.79																	
5	IQAM	12	7	21.73	21.73	21.82	23.5	0.5															
5	IQAM	12	13	21.64	21.77	21.68																	
5	IQAM	25	0	21.71	21.89	21.78	23.5	0.5															
5	IQAM	1	0	21.81	21.96	21.88																	
5	IQAM	1	12	21.84	21.77	21.71	22.5	1.5															
5	IQAM	1	24	21.65	21.72	21.75																	
5	IQAM	12	0	20.83	20.86	20.71	20.5	3.5															
5	IQAM	12	58	20.70	20.68	20.70																	
5	IQAM	12	13	20.63	20.68	20.67	20.5	3.5															
5	IQAM	25	0	20.84	20.86	20.78																	
5	25QAM	1	0	18.68	18.68	18.67	20.5	3.5															
5	25QAM	1	12	18.69	18.80	18.81																	
5	25QAM	1	24	18.73	18.82	18.71	20.5	3.5															
5	25QAM	12	0	18.63	18.65	18.78																	
Channel																							
Frequency (MHz)																							
3	QPSK	1	0	22.63	22.63	22.32	24						0										
3	QPSK	1	8	22.59	22.57	22.31																	
3	QPSK	1	14	22.29	22.41	22.25	24	0															
3	QPSK	8	0	22.42	22.48	22.46																	
3	QPSK	8	4	22.50	22.31	22.20	24	0															
3	QPSK	8	7																				

Band 38 Ant0 DSII2 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	23.06	23.19	23.04	24	0	
20	QPSK	1	49	23.00	23.08	22.93			
20	QPSK	1	99	23.01	23.04	22.91			
20	QPSK	50	0	23.05	23.08	23.00			
20	QPSK	50	24	22.87	22.85	22.87	24	0	
20	QPSK	50	50	23.00	23.05	23.00			
20	QPSK	100	0	22.98	23.05	22.97			
20	16QAM	1	0	22.98	23.05	22.97			
20	16QAM	1	49	22.92	23.07	22.95	24	0	
20	16QAM	1	99	22.86	23.03	23.01			
20	16QAM	50	0	22.93	23.06	22.95			
20	16QAM	50	24	22.98	23.12	23.05			
20	16QAM	50	50	23.01	23.08	23.03	24	0	
20	16QAM	100	0	22.92	23.06	22.97			
20	64QAM	1	0	22.97	23.15	22.99			
20	64QAM	1	49	22.94	23.05	22.99			
20	64QAM	1	99	23.06	23.13	22.98	24	0	
20	64QAM	50	0	22.87	23.00	22.97			
20	64QAM	50	24	23.05	23.11	23.07			
20	64QAM	50	50	23.06	23.09	22.94			
20	64QAM	100	0	22.97	23.07	23.02	22	2	
20	256QAM	1	0	20.93	20.99	20.84			
20	256QAM	1	49	20.84	20.98	20.85			
20	256QAM	1	99	21.01	21.06	20.91			
20	256QAM	50	0	20.97	21.08	20.94	22	2	
20	256QAM	50	24	21.06	21.11	20.97			
20	256QAM	50	50	20.95	21.05	20.91			
20	256QAM	100	0	20.96	21.07	20.92			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	22.91	23.08	22.89	24	0	
15	QPSK	1	37	22.85	23.04	22.76			
15	QPSK	1	74	22.90	22.86	22.76			
15	QPSK	36	0	22.85	23.02	22.85			
15	QPSK	36	20	22.78	22.90	22.72	24	0	
15	QPSK	36	39	22.85	23.01	22.83			
15	QPSK	75	0	22.93	23.01	22.88			
15	16QAM	1	0	22.81	22.95	22.87			
15	16QAM	1	37	22.88	22.98	22.90	24	0	
15	16QAM	1	74	22.72	22.97	22.98			
15	16QAM	36	0	22.85	22.90	22.79			
15	16QAM	36	20	22.94	22.95	23.02			
15	16QAM	36	39	22.92	23.04	22.97	24	0	
15	16QAM	75	0	22.79	23.01	22.89			
15	64QAM	1	0	22.81	23.01	22.85			
15	64QAM	1	37	22.83	23.01	22.89			
15	64QAM	1	74	22.93	23.01	22.94	24	0	
15	64QAM	36	0	22.69	22.85	22.83			
15	64QAM	36	20	22.99	23.02	23.05			
15	64QAM	36	39	22.98	23.04	22.85			
15	64QAM	75	0	22.82	22.99	22.98	22	2	
15	256QAM	1	0	20.77	20.94	20.68			
15	256QAM	1	37	20.75	20.82	20.76			
15	256QAM	1	74	20.86	20.91	20.77			
15	256QAM	36	0	20.91	20.84	20.83	22	2	
15	256QAM	36	20	20.99	21.08	20.81			
15	256QAM	36	39	20.86	20.88	20.77			
15	256QAM	75	0	20.82	21.03	20.86			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	22.99	23.02	22.89	24	0	
10	QPSK	1	25	22.82	23.03	22.86			
10	QPSK	1	49	22.96	22.93	22.84			
10	QPSK	25	0	22.95	22.97	22.84			
10	QPSK	25	12	22.81	22.77	22.82	24	0	
10	QPSK	25	25	22.92	22.95	22.84			
10	QPSK	50	0	22.87	22.94	22.90			
10	16QAM	1	0	22.91	22.88	22.85			
10	16QAM	1	25	22.76	22.91	22.89	24	0	
10	16QAM	1	49	22.79	22.99	22.95			
10	16QAM	25	0	22.90	22.99	22.78			
10	16QAM	25	12	22.86	23.08	22.98			
10	16QAM	25	25	22.94	22.91	22.92	24	0	
10	16QAM	50	0	22.75	22.89	22.91			
10	64QAM	1	0	22.80	23.04	22.91			
10	64QAM	1	25	22.79	22.91	22.86			
10	64QAM	1	49	22.93	23.02	22.89	24	0	
10	64QAM	25	0	22.72	22.97	22.94			
10	64QAM	25	12	22.88	23.00	22.95			
10	64QAM	25	25	22.89	23.07	22.77			
10	64QAM	50	0	22.79	22.95	22.94	22	2	
10	256QAM	1	0	20.80	20.87	20.71			
10	256QAM	1	25	20.72	20.84	20.72			
10	256QAM	1	49	20.97	20.97	20.75			
10	256QAM	25	0	20.93	21.04	20.90	22	2	
10	256QAM	25	12	20.95	20.98	20.85			
10	256QAM	25	25	20.82	20.88	20.86			
10	256QAM	50	0	20.82	21.00	20.82			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	22.95	23.15	22.94	24	0	
5	QPSK	1	12	22.87	22.96	22.80			
5	QPSK	1	24	22.85	22.92	22.83			
5	QPSK	12	0	22.96	23.03	22.84			
5	QPSK	12	7	22.77	22.79	22.78	24	0	
5	QPSK	12	13	22.88	22.89	22.86			
5	QPSK	25	0	22.96	22.96	22.87			
5	16QAM	1	0	22.92	22.89	22.82			
5	16QAM	1	12	22.75	23.05	22.88	24	0	
5	16QAM	1	24	22.76	22.92	22.86			
5	16QAM	12	0	22.80	22.91	22.81			
5	16QAM	12	7	22.86	23.02	23.01			
5	16QAM	12	13	22.83	22.92	22.89	24	0	
5	16QAM	25	0	22.74	23.00	22.84			
5	64QAM	1	0	22.94	23.10	22.84			
5	64QAM	1	12	22.91	22.93	22.90			
5	64QAM	1	24	22.91	23.06	22.82	24	0	
5	64QAM	12	0	22.70	22.98	22.88			
5	64QAM	12	7	22.97	22.96	23.04			
5	64QAM	12	13	22.94	22.94	22.76			
5	64QAM	25	0	22.81	22.89	22.91	22	2	
5	256QAM	1	0	20.77	20.85	20.68			
5	256QAM	1	12	20.74	20.86	20.74			
5	256QAM	1	24	20.86	21.02	20.85			
5	256QAM	12	0	20.85	21.03	20.88	22	2	
5	256QAM	12	7	20.97	21.01	20.94			
5	256QAM	12	13	20.86	21.01	20.78			
5	256QAM	25	0	20.82	20.91	20.75			

Band 38 HPUE 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	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	25.45	25.62	25.55	27	0	
20	QPSK	1	49	25.45	25.56	25.46			
20	QPSK	1	99	25.40	25.51	25.38			
20	QPSK	50	0	25.45	25.59	25.49			
20	QPSK	50	24	25.49	25.53	25.43	27	0	
20	QPSK	50	50	25.51	25.55	25.40			
20	QPSK	100	0	25.54	25.60	25.57			
20	16QAM	1	0	25.55	25.58	25.46			
20	16QAM	1	49	25.43	25.46	25.43	27	0	
20	16QAM	1	99	25.27	25.45	25.33			
20	16QAM	50	0	25.38	25.49	25.31			
20	16QAM	50	24	25.35	25.45	25.34			
20	16QAM	50	50	25.34	25.42	25.38	27	0	
20	16QAM	100	0	25.27	25.45	25.35			
20	16QAM	1	0	25.43	25.59	25.46			
20	64QAM	1	49	25.42	25.49	25.41			
20	64QAM	1	99	25.31	25.41	25.29	27	0	
20	64QAM	50	0	25.37	25.46	25.30			
20	64QAM	50	24	25.32	25.48	25.30			
20	64QAM	50	50	25.28	25.44	25.38			
20	64QAM	100	0	25.33	25.42	25.25	27	0	
20	256QAM	1	0	24.14	24.31	24.27			
20	256QAM	1	49	24.23	24.30	24.26			
20	256QAM	1	99	24.15	24.28	24.21			
20	256QAM	50	0	23.98	24.13	24.01	25	2	
20	256QAM	50	24	24.18	24.27	24.10			
20	256QAM	50	50	24.18	24.24	24.17			
20	256QAM	100	0	24.10	24.22	24.17			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	25.41	25.51	25.49	27	0	
15	QPSK	1	37	25.29	25.50	25.37			
15	QPSK	1	74	25.32	25.48	25.26			
15	QPSK	36	0	25.36	25.56	25.33			
15	QPSK	36	20	25.43	25.46	25.27	27	0	
15	QPSK	36	39	25.45	25.49	25.29			
15	QPSK	75	0	25.50	25.52	25.41			
15	16QAM	1	0	25.49	25.54	25.35			
15	16QAM	1	37	25.31	25.41	25.31	27	0	
15	16QAM	1	74	25.13	25.32	25.17			
15	16QAM	36	0	25.25	25.44	25.29			
15	16QAM	36	20	25.22	25.36	25.19			
15	16QAM	36	39	25.25	25.33	25.32	27	0	
15	16QAM	75	0	25.16	25.29	25.26			
15	64QAM	1	0	25.39	25.46	25.36			
15	64QAM	1	37	25.36	25.45	25.28			
15	64QAM	1	74	25.15	25.36	25.17	27	0	
15	64QAM	36	0	25.20	25.28	25.28			
15	64QAM	36	20	25.23	25.36	25.13			
15	64QAM	36	39	25.22	25.29	25.32			
15	64QAM	75	0	25.29	25.37	25.12	27	0	
15	256QAM	1	0	24.03	24.20	24.20			
15	256QAM	1	37	24.05	24.14	24.22			
15	256QAM	1	74	24.06	24.14	24.04			
15	256QAM	36	0	23.96	24.10	23.95	25	2	
15	256QAM	36	20	24.09	24.16	24.02			
15	256QAM	36	39	24.10	24.20	24.14			
15	256QAM	75	0	23.97	24.05	24.12			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	25.36	25.44	25.43	27	0	
10	QPSK	1	25	25.28	25.53	25.43			
10	QPSK	1	49	25.37	25.46	25.27			
10	QPSK	25	0	25.36	25.43	25.40			
10	QPSK	25	12	25.31	25.48	25.27	27	0	
10	QPSK	25	25	25.45	25.52	25.29			
10	QPSK	50	0	25.44	25.54	25.28			
10	16QAM	1	0	25.40	25.43	25.39			
10	16QAM	1	25	25.30	25.44	25.28	27	0	
10	16QAM	1	49	25.14	25.29	25.24			
10	16QAM	25	0	25.33	25.43	25.26			
10	16QAM	25	12	25.24	25.28	25.23			
10	16QAM	25	25	25.31	25.30	25.18	27	0	
10	16QAM	50	0	25.12	25.33	25.26			
10	16QAM	50	0	25.39	25.54	25.30			
10	64QAM	1	25	25.34	25.39	25.38			
10	64QAM	1	49	25.19	25.25	25.11	27	0	
10	64QAM	25	0	25.20	25.35	25.14			
10	64QAM	25	12	25.23	25.32	25.23			
10	64QAM	25	25	25.20	25.33	25.28			
10	64QAM	50	0	25.21	25.36	25.18	27	0	
10	256QAM	1	0	23.98	24.14	24.20			
10	256QAM	1	25	24.16	24.16	24.15			
10	256QAM	1	49	24.03	24.12	24.09			
10	256QAM	25	0	23.96	24.11	23.86	25	2	
10	256QAM	25	12	24.06	24.16	24.01			
10	256QAM	25	25	24.09	24.10	24.05			
10	256QAM	50	0	23.98	24.13	24.14			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5 <td>2595</td> <td>2617.5</td>	2595	2617.5			
5	QPSK	1	0	25.34	25.46	25.44	27	0	
5	QPSK	1	12	25.35	25.43	25.32			
5	QPSK	1	24	25.35	25.36	25.33			
5	QPSK	12	0	25.36	25.53	25.47			
5	QPSK	12	7	25.41	25.38	25.38	27	0	
5	QPSK	12	13	25.44	25.48	25.28			
5	QPSK	25	0	25.48	25.57	25.43			
5	16QAM	1	0	25.48	25.46	25.32			
5	16QAM	1	12	25.33	25.42	25.39	27	0	
5	16QAM	1	24	25.22	25.40	25.25			
5	16QAM	12	0	25.33	25.32	25.17			
5	16QAM	12	7	25.24	25.42	25.30			
5	16QAM	12	13	25.25	25.35	25.22	27	0	
5	16QAM	25	0	25.17	25.41	25.21			
5	64QAM	1	0	25.38	25.57	25.28			
5	64QAM	1	12	25.32	25.40	25.27			
5	64QAM	1	24	25.29	25.35	25.18	27	0	
5	64QAM	12	0	25.30	25.33	25.13			
5	64QAM	12	7	25.25	25.46	25.27			
5	64QAM	12	13	25.18	25.30	25.28			
5	64QAM	25	0	25.19	25.32	25.15	25	2	
5	256QAM	1	0	24.04	24.17	24.20			
5	256QAM	1	12	24.15	24.24	24.18			
5	256QAM	1	24	24.11	24.14	24.05			
5	256QAM	12	0	23.98	24.00	23.98	25	2	
5	256QAM	12	7	24.14	24.17	24.07			
5	256QAM	12	13	24.06	24.09	24.06			
5	256QAM	25	0	24.03	24.19	24.14			

Band 41 PC3 Ant0 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	40188	40620	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	22.91	23.04	23.20	22.98	22.79	24	0		
20	QPSK	1	49	22.90	22.95	23.08	22.96	22.77				
20	QPSK	1	99	22.92	22.90	23.07	22.96	22.85				
20	QPSK	50	0	23.09	23.01	23.17	23.13	23.00				
20	QPSK	50	24	23.07	23.10	23.13	23.04	22.88	24	0		
20	QPSK	50	50	23.07	23.08	23.12	23.08	22.89				
20	QPSK	100	0	23.11	23.02	23.16	23.13	22.99				
20	16QAM	1	0	23.05	22.99	23.12	22.94	22.88				
20	16QAM	1	49	22.90	22.94	23.07	23.04	22.88	24	0		
20	16QAM	1	99	23.07	22.96	23.11	22.95	22.81				
20	16QAM	50	0	23.01	23.03	23.14	23.05	22.91				
20	16QAM	50	24	23.11	23.11	23.17	23.10	22.98				
20	16QAM	50	50	23.03	23.05	23.09	23.04	22.78	24	0		
20	16QAM	100	0	22.93	23.00	23.11	23.00	22.78				
20	64QAM	1	0	22.97	22.89	23.06	22.98	22.78				
20	64QAM	1	49	23.14	23.01	23.17	23.13	22.84				
20	64QAM	1	99	22.96	23.06	23.12	23.06	22.82	24	0		
20	64QAM	50	0	23.10	23.10	23.15	23.11	22.96				
20	64QAM	50	24	22.93	22.96	23.02	22.93	22.75				
20	64QAM	50	50	22.86	22.99	23.10	23.00	22.80				
20	64QAM	100	0	23.15	23.11	23.18	23.16	22.91	24	0		
20	256QAM	1	0	21.05	21.05	21.16	20.99	20.91				
20	256QAM	1	49	21.05	21.05	21.12	21.02	20.88				
20	256QAM	1	99	21.02	21.02	21.05	20.90	20.87				
20	256QAM	50	0	20.96	20.97	21.10	20.94	20.86	22	2		
20	256QAM	50	24	20.89	20.99	21.03	20.91	20.78				
20	256QAM	50	50	21.10	21.05	21.14	21.11	20.91				
20	256QAM	100	0	21.14	21.12	21.19	21.16	20.99				
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5				
15	QPSK	1	0	22.85	22.93	23.08	22.88	22.73	24.00	0		
15	QPSK	1	37	22.73	22.83	23.03	22.82	22.65				
15	QPSK	1	74	22.77	22.83	22.98	22.89	22.72				
15	QPSK	36	0	22.82	22.86	23.05	22.92	22.87				
15	QPSK	36	20	22.94	22.98	22.99	22.92	22.77	24	0		
15	QPSK	36	39	23.02	22.91	23.03	22.98	22.87				
15	QPSK	75	0	23.01	22.88	23.03	22.95	22.94				
15	16QAM	1	0	22.96	22.95	23.05	22.91	22.77				
15	16QAM	1	37	22.77	22.76	22.94	22.87	22.75	24	0		
15	16QAM	1	74	22.90	22.83	22.98	22.88	22.74				
15	16QAM	36	0	22.85	22.86	23.05	22.90	22.89				
15	16QAM	36	20	22.95	23.08	23.11	23.00	22.90				
15	16QAM	36	39	22.94	23.02	22.96	22.95	22.63	24	0		
15	16QAM	75	0	22.91	22.97	22.94	22.91	22.72				
15	64QAM	1	0	22.88	22.77	23.00	22.84	22.70				
15	64QAM	1	37	23.03	22.85	23.14	23.10	22.80				
15	64QAM	1	74	22.84	23.03	22.98	22.92	22.76	24	0		
15	64QAM	36	0	22.86	23.08	23.07	22.94	22.83				
15	64QAM	36	20	22.84	22.86	22.96	22.86	22.61				
15	64QAM	36	39	22.90	22.93	23.06	22.86	22.72				
15	64QAM	75	0	23.02	22.99	23.01	22.99	22.81	22	2		
15	256QAM	1	0	20.88	21.02	21.01	20.88	20.76				
15	256QAM	1	37	20.97	20.96	20.96	20.87	20.75				
15	256QAM	1	74	20.98	20.93	20.87	20.79	20.75				
15	256QAM	36	0	20.87	20.88	21.06	20.78	20.69	22	2		
15	256QAM	36	20	20.85	20.88	21.00	20.75	20.74				
15	256QAM	36	39	20.98	20.90	20.97	20.93	20.78				
15	256QAM	75	0	21.03	20.97	21.04	20.98	20.85				
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2501	2547	2593	2639	2685				
10	QPSK	1	0	22.81	23.02	23.06	22.83	22.64	24.00	0		
10	QPSK	1	25	22.80	22.76	22.92	22.85	22.75				
10	QPSK	1	49	22.75	22.75	22.92	22.93	22.68				
10	QPSK	25	0	22.95	22.83	23.01	23.01	22.87				
10	QPSK	25	12	22.94	23.04	22.95	22.93	22.74	24	0		
10	QPSK	25	25	23.04	22.98	23.07	23.04	22.71				
10	QPSK	50	0	23.04	22.89	23.05	22.98	22.83				
10	16QAM	1	0	22.99	22.87	22.95	22.83	22.83				
10	16QAM	1	25	22.82	22.79	23.04	22.99	22.71	24	0		
10	16QAM	1	49	23.02	22.82	22.98	22.92	22.69				
10	16QAM	25	0	22.90	22.94	22.99	22.91	22.88				
10	16QAM	25	12	23.01	22.96	23.05	23.04	22.85				
10	16QAM	25	25	22.86	22.95	23.00	22.95	22.63	24	0		
10	16QAM	50	0	22.90	22.96	23.03	22.92	22.72				
10	64QAM	1	0	22.93	22.76	22.98	22.90	22.72				
10	64QAM	1	25	23.00	22.99	23.13	23.10	22.71				
10	64QAM	1	49	22.85	22.91	23.02	22.97	22.72	24	0		
10	64QAM	25	0	22.98	23.04	22.97	22.99	22.92				
10	64QAM	25	12	22.87	22.79	22.98	22.86	22.68				
10	64QAM	25	25	22.88	22.93	22.97	22.92	22.70				
10	64QAM	50	0	23.11	23.06	23.12	23.00	22.87	22	2		
10	256QAM	1	0	20.92	20.99	20.98	20.82	20.84				
10	256QAM	1	25	21.00	20.88	20.95	20.87	20.71				
10	256QAM	1	49	20.89	20.87	20.93	20.72	20.76				
10	256QAM	25	0	20.80	20.84	20.97	20.88	20.72	22	2		
10	256QAM	25	12	20.73	20.85	20.89	20.89	20.63				
10	256QAM	25	25	20.98	21.03	20.98	20.98	20.76				
10	256QAM	50	0	21.02	21.02	21.03	21.07	20.85				
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2498.5	2545.8	2593	2640.0	2687.5				
5	QPSK	1	0	22.81	22.92	23.16	22.85	22.71	24.00	0		
5	QPSK	1	12	22.85	22.82	22.94	22.90	22.68				
5	QPSK	1	24	22.83	22.76	22.98	22.86	22.76				
5	QPSK	12	0	22.99	22.88	23.06	23.02	22.93	24	0		
5	QPSK	12	12	22.95	22.93	23.15	22.81	22.71				
5	QPSK	12	13	23.00	23.05	23.08	22.96	22.83				
5	QPSK	25	0	23.00	22.95	23.06	23.11	22.94	24	0		
5	16QAM	1	0	22.97	22.84	23.01	22.85	22.72				
5	16QAM	1	12	22.80	22.77	23.00	22.96	22.78				
5	16QAM	1	24	22.90	22.94	22.95	22.89	22.65	24	0		
5	16QAM	12	0	22.89	22.89	23.05	22.95	22.76				
5	16QAM	12	12	22.99	22.93	23.12	22.80	22.90				
5	16QAM	12	13	22.87	22.88	22.96	22.87	22.71	24	0		
5	16QAM	25	0	22.79	22.93	23.00	22.86	22.61				
5	64QAM	1	0	22.86	22.77	23.01	22.86	22.73				
5	64QAM	1	12	22.99	22.99	23.03	23.10	22.74	24	0		
5	64QAM	1	24	22.93	22.98	22.98	22.92	22.85				
5	64QAM	12	0	23.05	22.99	23.08	23.08	22.70				
5	64QAM	12	12	22.82	22.89	22.94	22.81	22.62	24	0		
5	64QAM	12	13	22.86	22.84	23.05	22.82	22.73				
5	64QAM	25	0	23.12	23.00	23.05	23.03	22.84				
5	256QAM	1	0	21.02	21.03	21.14	20.90	20.81	22	2		
5	256QAM	1	12	20.96	20.88	20.96	20.92	20.80				
5	256QAM	1	24	20.93	20.94	20.93	20.81	20.73				
5	256QAM	12	0	20.86	20.82	21.00	20.80	20.76	22	2		
5	256QAM	12	12	20.85	20.82	20.98	20.89	20.68				
5	256QAM	12	13	21.02	21.03	21.09	21.02	20.86				
5	256QAM	25	0	21.02	21.00	21.08	21.12	20.94				

GSM850 Ant1 DS2 Standalone										
GSM850			Burst Average Power (dBm)		Tune-up		Frame-Average Power (dBm)		Tune-up	
TX Channel			128	188	251	Limit	128	188	251	
Frequency (MHz)			824.2	834.4	844.6	(dBm)	824.2	834.4	844.6	
GSM 1 Tx slot			32.03	32.09	31.88	33.50	23.03	23.09	22.88	24.50
GPRS 1 Tx slot			31.96	32.04	31.73	33.50	22.95	23.04	22.73	24.50
GPRS 2 Tx slots			28.98	29.01	28.69	30.50	22.98	23.01	22.69	24.50
GPRS 3 Tx slots			26.75	26.79	26.73	28.70	22.49	22.53	22.47	24.44
GPRS 4 Tx slots			25.72	25.85	25.48	27.00	22.72	22.85	22.48	24.00
EDGE 1 Tx slot			25.14	25.27	24.92	26.50	16.14	16.27	15.92	17.50
EDGE 2 Tx slots			23.45	23.54	23.22	25.00	17.45	17.54	17.22	19.00
EDGE 3 Tx slots			22.18	22.28	21.92	23.50	17.92	18.02	17.68	19.24
EDGE 4 Tx slots			20.14	20.24	20.07	22.00	17.14	17.24	17.07	19.00

GSM1900 Ant1 DS2 Standalone										
GSM1900			Burst Average Power (dBm)				Frame-Average Power (dBm)			
TX Channel			512	661	810	Limit	512	661	810	Limit
Frequency (MHz)			1852.2	1860	1868.8	(dBm)	1852.2	1860	1868.8	(dBm)
GSM 1 Tx slot			25.64	25.86	25.71	26.90	16.64	16.86	16.71	17.90
GPRS 1 Tx slot			25.53	25.77	25.64	26.90	16.53	16.77	16.64	17.90
GPRS 2 Tx slots			22.53	22.70	22.53	23.90	16.53	16.70	16.53	17.90
GPRS 3 Tx slots			20.75	20.94	20.84	22.10	16.49	16.68	16.58	17.84
GPRS 4 Tx slots			19.94	19.97	19.93	20.90	16.94	16.97	16.93	17.90
EDGE 1 Tx slot			24.13	24.36	24.24	25.00	15.13	15.36	15.24	16.00
EDGE 2 Tx slots			22.48	22.76	22.61	23.50	16.48	16.76	16.61	17.50
EDGE 3 Tx slots			20.66	20.83	20.70	22.10	16.40	16.57	16.44	17.84
EDGE 4 Tx slots			19.68	19.31	19.21	20.00	16.06	16.31	16.21	17.00

WCDMA II Ant1 DS2 Standalone									WCDMA IV Ant1 DS2 Standalone									WCDMA V Ant1 DS2 Standalone								
Band			WCDMA II			WCDMA IV			WCDMA IV			WCDMA V			WCDMA V			WCDMA V			WCDMA V			WCDMA V		
TX Channel			9262	9490	9538	Tune-up			Limit			Tune-up			Limit			Tune-up			Limit			Tune-up		
Rx Channel			9662	9890	9938	(dBm)			(dBm)			(dBm)			(dBm)			(dBm)			(dBm)			(dBm)		
Frequency (MHz)			1932.4	1980	1907.6				1712.4			1732.6			1752.6			4132			4192			4233		
3GPP Rel 99			AMR 12.2Kbps	17.64	17.70	17.41	16.80	16.89	16.88	16.54	17.80	22.31	22.41	22.14	23.20	22.31	22.41	22.14	23.20	22.31	22.41	22.14	23.20	22.31	22.41	22.14
3GPP Rel 99			RMC 12.2Kbps	17.66	17.72	17.42	16.80	16.87	16.71	16.57	17.80	22.32	22.43	22.17	23.20	22.32	22.43	22.17	23.20	22.32	22.43	22.17	23.20	22.32	22.43	22.17
3GPP Rel 6			HSDPA Subtest-1	16.63	16.80	16.49	17.80	15.50	15.74	15.46	16.80	21.22	21.41	21.12	22.20	21.22	21.41	21.12	22.20	21.22	21.41	21.12	22.20	21.22	21.41	21.12
3GPP Rel 6			HSDPA Subtest-2	16.74	16.83	16.40	17.80	15.60	15.74	15.63	16.80	21.22	21.36	21.12	22.20	21.22	21.36	21.12	22.20	21.22	21.36	21.12	22.20	21.22	21.36	21.12
3GPP Rel 6			HSDPA Subtest-3	16.11	16.40	15.95	17.30	14.94	15.31	14.91	16.30	20.66	20.95	20.54	21.70	20.66	20.95	20.54	21.70	20.66	20.95	20.54	21.70	20.66	20.95	20.54
3GPP Rel 6			HSDPA Subtest-4	16.21	16.25	16.01	17.30	15.11	15.17	15.16	16.30	20.82	20.76	20.59	21.70	20.82	20.76	20.59	21.70	20.82	20.76	20.59	21.70	20.82	20.76	20.59
3GPP Rel 6			DC-HSDPA Subtest-1	16.47	16.64	16.33	17.80	15.39	15.57	15.36	16.80	21.00	21.40	21.12	22.20	21.00	21.40	21.12	22.20	21.00	21.40	21.12	22.20	21.00	21.40	21.12
3GPP Rel 6			DC-HSDPA Subtest-2	16.74	16.70	16.24	17.80	15.44	15.71	15.42	16.80	21.02	21.20	20.96	22.20	21.02	21.20	20.96	22.20	21.02	21.20	20.96	22.20	21.02	21.20	20.96
3GPP Rel 6			DC-HSDPA Subtest-3	16.07	16.20	15.93	17.30	14.93	15.19	14.78	16.30	20.57	20.79	20.43	21.70	20.57	20.79	20.43	21.70	20.57	20.79	20.43	21.70	20.57	20.79	20.43
3GPP Rel 6			DC-HSDPA Subtest-4	16.10	16.15	15.92	17.30	14.98	15.13	14.96	16.30	20.66	20.96	20.56	21.70	20.66	20.96	20.56	21.70	20.66	20.96	20.56	21.70	20.66	20.96	20.56
3GPP Rel 6			HSUPA Subtest-1	16.26	16.46	16.32	17.80	15.39	15.74	15.42	16.80	21.18	21.32	21.04	22.20	21.18	21.32	21.04	22.20	21.18	21.32	21.04	22.20	21.18	21.32	21.04
3GPP Rel 6			HSUPA Subtest-2	14.48	14.47	14.24	15.80	13.63	13.72	13.40	14.80	19.12	19.45	19.06	20.20	19.12	19.45	19.06	20.20	19.12	19.45	19.06	20.20	19.12	19.45	19.06
3GPP Rel 6			HSUPA Subtest-3	15.38	15.96	15.15	16.80	14.51	14.78	14.42	15.80	20.13	20.41	19.96	21.20	20.13	20.41	19.96	21.20	20.13	20.41	19.96	21.20	20.13	20.41	19.96
3GPP Rel 6			HSUPA Subtest-4	14.43	14.53	14.19	15.80	13.51	13.66	13.54	14.80	19.18	19.48	19.04	20.20	19.18	19.48	19.04	20.20	19.18	19.48	19.04	20.20	19.18	19.48	19.04
3GPP Rel 6			HSUPA Subtest-5	16.37	16.65	16.17	17.80	15.45	15.84	15.36	16.80	21.06	21.12	21.00	22.20	21.06	21.12	21.00	22.20	21.06	21.12	21.00	22.20	21.06	21.12	21.00



Band 2 ANT1 DS12 Standalone									
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	16.02	16.02	15.97			
20	QPSK	1	49	15.96	15.97	15.97	16.9	0	
20	QPSK	1	99	15.97	16.04	15.91			
20	QPSK	1	0	16.02	16.02	15.95			
20	QPSK	50	24	15.97	15.95	15.98			
20	QPSK	50	50	15.93	15.94	15.92			
20	QPSK	100	0	15.97	16.03	15.91			
20	16QAM	1	0	15.76	15.80	15.75			
20	16QAM	1	49	15.94	15.94	15.90			
20	16QAM	1	99	15.96	16.04	15.93			
20	16QAM	1	0	15.90	15.93	15.92			
20	16QAM	50	24	15.84	15.92	15.85			
20	16QAM	50	50	15.91	16.03	15.91			
20	16QAM	100	0	15.97	16.00	15.90			
20	64QAM	1	0	16.03	16.07	16.05			
20	64QAM	1	49	15.99	16.07	15.96	16.9	0	
20	64QAM	1	99	15.93	15.99	15.98			
20	64QAM	50	0	15.99	16.05	16.01			
20	64QAM	50	24	15.90	15.96	15.94			
20	64QAM	50	50	15.97	16.00	15.99			
20	64QAM	100	0	15.87	15.98	15.88			
20	256QAM	1	0	16.02	16.07	16.01			
20	256QAM	1	49	15.87	15.92	15.89	16.9	0	
20	256QAM	1	99	15.73	15.83	15.89			
20	256QAM	50	24	15.82	15.93	15.92			
20	256QAM	50	50	15.94	15.99	15.79			
20	256QAM	50	24	15.83	15.94	15.83			
20	256QAM	100	0	15.82	15.90	15.85			
Channel									
Frequency [MHz]									
16	QPSK	1	0	15.99	15.92	15.91			
16	QPSK	1	49	15.92	15.93	15.89	16.9	0	
16	QPSK	1	99	15.86	15.92	15.89			
16	QPSK	50	0	15.97	16.03	15.90			
16	QPSK	50	24	15.93	15.95	15.92			
16	QPSK	36	39	15.82	15.89	15.87			
16	QPSK	75	0	15.82	15.97	15.87			
16	16QAM	1	0	15.69	15.78	15.83			
16	16QAM	1	37	15.89	15.98	15.98	16.9	0	
16	16QAM	1	74	15.81	15.87	15.81			
16	16QAM	36	20	15.76	15.87	15.78			
16	16QAM	75	0	15.81	15.97	15.81			
16	64QAM	1	0	15.85	16.01	15.94			
16	64QAM	1	37	15.73	15.83	15.83	16.9	0	
16	64QAM	1	74	15.70	15.84	15.86			
16	64QAM	36	0	15.81	15.89	15.95			
16	64QAM	36	39	15.85	15.92	15.81			
16	64QAM	75	0	15.83	15.82	15.74			
16	256QAM	1	0	15.84	15.94	15.84			
16	256QAM	1	37	15.69	15.70	15.66	16.9	0	
16	256QAM	1	74	15.84	15.85	15.80			
16	256QAM	36	20	15.78	15.89	15.80			
16	256QAM	36	39	15.72	15.77	15.77			
16	256QAM	75	0	15.73	15.85	15.83			
Channel									
Frequency [MHz]									
16	QPSK	1	0	16.05	16.06	15.95			
16	QPSK	1	25	15.89	15.92	15.89	16.9	0	
16	QPSK	1	49	15.85	15.94	15.83			
16	QPSK	50	0	15.96	16.00	15.90			
16	QPSK	25	13	15.89	15.98	15.86			
16	QPSK	25	25	15.86	15.97	15.77			
16	16QAM	1	0	15.70	15.80	15.68			
16	16QAM	1	25	15.88	15.92	15.87	16.9	0	
16	16QAM	1	49	15.73	15.83	15.78			
16	16QAM	25	0	15.79	15.90	15.83			
16	16QAM	25	12	15.81	15.85	15.67			
16	16QAM	50	0	15.77	15.83	15.80			
16	16QAM	50	0	15.84	15.89	15.87			
16	64QAM	1	0	15.92	16.03	15.99			
16	64QAM	1	25	15.73	15.83	15.87	16.9	0	
16	64QAM	1	49	15.87	15.85	15.81			
16	64QAM	25	0	15.92	15.96	15.88			
16	64QAM	25	12	15.73	15.83	15.88			
16	64QAM	50	25	15.80	15.86	15.75			
16	256QAM	1	0	15.74	15.85	15.75			
16	256QAM	1	25	15.65	15.75	15.65			
16	256QAM	1	25	15.71	15.86	15.86	16.9	0	
16	256QAM	1	49	15.69	15.84	15.79			
16	256QAM	25	0	15.65	15.87	15.75			
16	256QAM	25	12	15.68	15.78	15.76			
16	256QAM	25	25	15.68	15.73	15.76			
16	256QAM	50	0	15.65	15.80	15.76			
Channel									
Frequency [MHz]									
3	QPSK	1	0	16.07	16.09	15.97			
3	QPSK	1	0	15.97	15.96	15.79	16.9	0	
3	QPSK	1	8	16.02	16.02	15.87			
3	QPSK	1	14	15.94	15.92	15.88			
3	QPSK	12	0	15.92	15.91	15.78			
3	QPSK	8	4	15.80	15.89	15.84			
3	QPSK	8	7	15.81	15.97	15.88			
3	QPSK	12	0	15.83	15.97	15.88			
3	16QAM	1	0	15.67	15.77	15.71			
3	16QAM	1	8	15.76	15.86	15.82	16.9	0	
3	16QAM	1	16	15.83	15.86	15.75			
3	16QAM	8	0	15.76	16.00	15.87			
3	16QAM	8	4	15.76	15.89	15.72			
3	16QAM	16	0	15.89	15.97	15.82			
3	16QAM	16	0	15.85	15.93	15.84			
3	64QAM	1	0	15.91	15.98	15.79	16.9	0	
3	64QAM	1	14	15.77	15.92	15.75			
3	64QAM	8	0	15.81	15.89	15.80			
3	64QAM	8	7	15.89	15.92	15.72			
3	64QAM	16	0	15.87	15.92	15.79			
3	256QAM	1	0	15.89	15.89	15.64			
3	256QAM	1	8	15.71	15.86	15.69	16.9	0	
3	256QAM	1	16	15.81	15.92	15.79			
3	256QAM	8	0	15.85	15.89	15.74			
3	256QAM	8	4	15.88	15.84	15.72			
3	256QAM	16	0	15.68	15.82	15.76			
3	256QAM	16	0	15.66	15.83	15.83			
Channel									
Frequency [MHz]									
1.4	QPSK	1	0	15.87	16.04	15.80			
1.4	QPSK	1	3	15.80	15.87	15.86			
1.4	QPSK	1	5	15.80	15.84	15.76	16.9	0	
1.4	QPSK	3	0	15.80	16.06	15.78			
1.4	QPSK	3	1	15.80	15.89	15.89			
1.4	QPSK	3	3	15.80	15.80	15.75			
1.4	QPSK	3	5	15.84	15.82	15.89	16.9	0	
1.4	16QAM	1	0	15.74	15.85	15.59			
1.4	16QAM	1	3	15.76	15.89	15.85			
1.4	16QAM	1	5	15.76	16.01	15.85			
1.4	16QAM	3	0	15.82	15.79	15.74			
1.4	16QAM	3	1	15.86	15.94	15.91			
1.4	16QAM	3	3	15.82	15.82	15.82			
1.4	64QAM	1	0	15.82	15.91	15.85			
1.4	64QAM	1	3	15.88	15.89	15.84			
1.4	64QAM	1	5	15.71	15.81	15.86	16.9	0	
1.4	64QAM	3	0	15.81	15.89	15.79			
1.4	256QAM	1	0	15.78	15.83	15.69			
1.4	256QAM	1	3	15.70	15.87	15.72			
1.4	256QAM	1	5	15.82	15.80	15.68			
1.4	256QAM	3	0	15.82	15.80	15.73			
1.4	256QAM	3	1	15.71	15.86	15.47			
1.4	256QAM	3	3	15.80	15.94	15.70	16.9	0	

Band 4 ANT1 DS12 Standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Min [Ch./Freq.]	Power Max [Ch./Freq.]	Power Avg [Ch./Freq.]	Turn-up Time (s)	MPR (dB)	
Channel									
Frequency [MHz]									
20	QPSK	1	0	16.83	16.81	16.69			
20	QPSK	1	49	16.74	16.74	16.64	18	0	
20	QPSK	1	99	16.75	16.89	16.73			
20	QPSK	50	0	16.83	16.88	16.79			
20	QPSK	50	24	16.75	16.75	16.68			
20	QPSK	50	50	16.69	16.77	16.73			
20	QPSK	100	0	16.79	16.88	16.72			
20	16QAM	1	0	16.65	16.80	16.71			
20	16QAM	1	49	16.77	16.82	16.65			
20	16QAM	1	99	16.76	16.82	16.71			
20	16QAM	50	0	16.70	16.74	16.69			
20	16QAM	50	24	16.68	16.83	16.69			
20	16QAM	50	50	16.79	16.87	16.76			
20	16QAM	100	0	16.79	16.87	16.76			
20	16QAM	100	0	16.84	16.82	16.68			
20	256QAM	1	0	16.75	16.81	16.67			
20	256QAM	1	49	16.73	16.77	16.61			
20	256QAM	1	99	16.70	16.79	16.65			
20	256QAM	50	0	16.75	16.80	16.67			
20	256QAM	50	24	16.68	16.84	16.74			
20	256QAM	50	50	16.61	16.74	16.63			
20	256QAM	100	0	16.61	16.74	16.63			
Channel									
Frequency [MHz]									
15	QPSK	1	0	17.17	17.20	17.17			
15	QPSK	1	49	16.72	16.81	16.67			
15	QPSK	1	99	16.68	16.78	16.65			
15	QPSK	1	14	16.65	16.77	16.64			
15	QPSK	30	0	16.77	16.81	16.64			
15	QPSK	30	14	16.69	16.74	16.61			
15	QPSK	30	29	16.58	16.63	16.67			
15	QPSK	75	0	16.74	16.80	16.67			
15	QPSK	75	14	16.70	16.75	16.65			
15	QPSK	1	37	16.64	16.72	16.68			
15	QPSK	1	52	16.73	16.78	16.65			
15	QPSK	30	50	16.65	16.62	16.52			
15	QPSK	30	20	16.66	16.78	16.60			
15	QPSK	75	20	16.72	16.79	16.63			
15	QPSK	75	0	16.64	16.61	16.62			
15	QPSK	1	0	16.59	16.71	16.51			
15	QPSK	1	49	16.62	16.67	16.54			
15	QPSK	1	99	16.62	16.67	16.54			
15	QPSK	30	0	16.62	16.62	16.53			
15	QPSK	30	30	16.60	16.65	16.52			
15	QPSK	75	0	16.58	16.66	16.65			
15	QPSK	75	0	16.58	16.66	16.65			
15	QPSK	1	37	16.61	16.67	16.44			
15	256QAM	1	74	16.61	16.67	16.44			
15	256QAM	1	74	16.61	16.67	16.44			
15	256QAM	30	0	16.61	16.67	16.44			
15	256QAM	30	20	16.64	16.62	16.62			
15	256QAM	30	50	16.54	16.67	16.60			
15	256QAM	75	0	16.54	16.67	16.60			
Channel									
Frequency [MHz]									
10	QPSK	1	0	17.13	17.23	17.18			
10	QPSK	1	26	16.70	16.73	16.53			
10	QPSK	1	49	16.68	16.79	16.69			
10	QPSK	1	99	16.68	16.79	16.69			
10	QPSK	20	0	16.67	16.73	16.61			
10	QPSK	20	12	16.62	16.63	16.59			
10	QPSK	25	0	16.54	16.71	16.71			
10	QPSK	25	12	16.65	16.70	16.61			
10	16QAM	1	0	16.66	16.74	16.62			
10	16QAM	1	26	16.49	16.76	16.63			
10	16QAM	1	49	16.68	16.76	16.62			
10	16QAM	20	0	16.62	16.61	16.51			
10	16QAM	25	12	16.71	16.70	16.61			
10	16QAM	25	12	16.73	16.79	16.63			
10	16QAM	50	0	16.59	16.62	16.49			
10	16QAM	50	0	16.59	16.62	16.49			
10	16QAM	1	0	16.59	16.62	16.49			
10	16QAM	1	49	16.62	16.71	16.57			
10	256QAM	1	26	16.58	16.69	16.57			
10	256QAM	25	12	16.64	16.60	16.54			
10	256QAM	1	0	16.56	16.67	16.57			
10	256QAM	1	0	16.64	16.66	16.56			
10	256QAM	1	26	16.63	16.68	16.56			
10	256QAM	25	12	16.63	16.68	16.56			
10	256QAM	25	12	16.67	16.69	16.67			
10	256QAM	50	0	16.56	16.67	16.63			
10	256QAM	50	0	16.57	16.67	16.57			
Channel									
Frequency [MHz]									
5	QPSK	1	0	16.99	16.98	16.54			
5	QPSK	1	12	16.58	16.64	16.54			
5	QPSK	1	24	16.71	16.72	16.54			
5	QPSK	1	48	16.72	16.77	16.53			
5	QPSK	12	7	16.63	16.61	16.59			
5	QPSK	12	7	16.61	16.63	16.55			
5	QPSK	25	0	16.61	16.63	16.55			
5	QPSK	25	0	16.68	16.78	16.63			
5	QPSK	1	0	16.69	16.68	16.59			
5	QPSK	1	24	16.74	16.74	16.68			
5	QPSK	12	0	16.61	16.65	16.63			
5	QPSK	12	13	16.65	16.67	16.61			
5	QPSK	12	13	16.75	16.82	16.62			
5	QPSK	25	0	16.73	16.70	16.67			
5	QPSK	25	0	16.66	16.66	16.63			
5	QPSK	1	12	16.68	16.77	16.61			
5	QPSK	1	24	16.49	16.62	16.45			
5	QPSK	12	13	16.52	16.68	16.50			
5	QPSK	12	13	16.52	16.65	16.53			
5	QPSK	1	0	16.70	16.70	16.61			
5	256QAM	1	12	16.57	16.67	16.44			
5	256QAM	1	12	16.57	16.67	16.47			
5	256QAM	12	0	16.67	16.76	16.57			
5	256QAM	12	7	16.68	16.81	16.70			
5	256QAM	1	14	16.62	16.64	16.41			
5	256QAM	25	0	16.64	16.72	16.58			
Channel									
Frequency [MHz]									
3	QPSK	1	0	17.15	17.22	17.20			
3	QPSK	1	0	16.80	16.83	16.62			
3	QPSK	1	8	16.58	16.63	16.50			
3	QPSK	1	16	16.57	16.62	16.46			
3	QPSK	8	0	16.73	16.73	16.69			
3	QPSK	8	4	16.60	16.62	16.51			
3	QPSK	8	8	16.61	16.61	16.49			
3	QPSK	16	0	16.72	16.70	16.58			
3	QPSK	16	0	16.63	16.73	16.56			
3	QPSK	8	16	16.73	16.73	16.64			
3	QPSK	1	14	16.67	16.77	16.55			
3	QPSK	8	0	16.67	16.69	16.55			
3	QPSK	8	8	16.75	16.75	16.65			
3	QPSK	8	7	16.73	16.73	16.58			
3	QPSK	16	0	16.61	16.73	16.57			
3	QPSK	16	0	16.65	16.67	16.53			
3	QPSK	1	8	16.63	16.72	16.59			
3	QPSK	1	14	16.61	16.61	16.46			
3	QPSK	8	4	16.60	16.74	16.62			
3	QPSK	8	4	16.67	16.74	16.62			
3	QPSK	16	0	16.61	16.70	16.52			
3	256QAM	1	0	16.61	16.76	16.72			
3	256QAM	1	0	16.61	16.76	16.72			
3	256QAM	1	14	16.62	16.63	16.49			
3	256QAM	8	0	16.60	16.72	16.59			
3	256QAM	8	0	16.60	16.72	16.59			
3	256QAM	8	7	16.48	16.64	16.56			
3	256QAM	16	0	16.58	16.70	16.62			
Channel									
Frequency [MHz]									
1.4	QPSK	1	0	16.68	16.73	16.54			
1.4	QPSK	1	0	16.67	16.67	16.46			
1.4	QPSK	1	6	16.65	16.75	16.62			
1.4	QPSK	3	0	16.66	16.76	16.65			
1.4	QPSK	3	0	16.67	16.67	16.46			
1.4	QPSK	3	3	16.61	16.61	16.67			
1.4	QPSK	6	0	16.70	16.76	16.62			
1.4	QPSK	6	0	16.72	16.72	16.52			
1.4	16QAM	1	0	16.69	16.76	16.62			
1.4	16QAM	1	6	16.69	16.68	16.54			
1.4	16QAM	3	0	16.74	16.74	16.65			
1.4	16QAM	3	1	16.75	16.76	16.62			
1.4	16QAM	3	3	16.75	16.69	16.66			
1.4	16QAM	6	0	16.76	16.71	16.62			
1.4	16QAM	6	0	16.76	16.65	16.51			
1.4	16QAM	1	0	16.59	16.76	16.69			
1.4	16QAM	1	0	16.58	16.69	16.50			
1.4	16QAM	1	6	16.64	16.64	16.49			
1.4	16QAM	1	6	16.53	16.60	16.54			
1.4	16QAM	3	0	16.59	16.68	16.57			
1.4	16QAM	3	0	16.66	16.71	16.57			
1.4	16QAM	3	0	16.65	16.66	16.49			
1.4	256QAM	3	3	16.47	16.57	16.58			



Band 12 Ant1 DS12 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)												
10	QPSK	1	0	22.60	22.76	22.71	24	0				
10	QPSK	1	25	22.59	22.88	22.83						
10	QPSK	1	49	22.62	22.82	22.48						
10	QPSK	25	0	22.66	22.75	22.63	24	0				
10	QPSK	25	12	22.52	22.86	22.82						
10	QPSK	25	25	22.68	22.68	22.58						
10	QPSK	50	0	22.63	22.72	22.69	24	0				
10	16QAM	1	0	22.63	22.74	22.69						
10	16QAM	1	25	22.68	22.63	22.56						
10	16QAM	1	49	22.43	22.47	22.54	23.5	0.5				
10	16QAM	25	0	22.22	22.92	22.18						
10	16QAM	25	12	22.18	22.19	22.13						
10	16QAM	25	25	22.10	22.11	22.10	23.5	0.5				
10	16QAM	50	0	22.21	22.59	22.23						
10	64QAM	1	0	22.22	22.59	22.23						
10	64QAM	1	25	22.13	22.61	22.15	23.5	0.5				
10	64QAM	1	49	22.11	22.12	22.10						
10	64QAM	25	0	21.22	21.28	21.24						
10	64QAM	25	12	21.18	21.16	21.19	22.5	1.5				
10	64QAM	25	25	21.23	21.23	21.24						
10	64QAM	50	0	21.15	21.28	21.18						
10	256QAM	1	0	19.20	19.24	19.13	20.5	3.5				
10	256QAM	1	25	19.07	19.12	19.07						
10	256QAM	1	49	19.06	19.05	19.02						
10	256QAM	25	12	19.13	19.25	19.27	20.5	3.5				
10	256QAM	25	25	19.18	19.25	19.27						
10	256QAM	50	0	19.13	19.27	19.16						
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.56	22.68	22.67	24	0				
5	QPSK	1	12	22.50	22.81	22.48						
5	QPSK	1	24	21.92	22.68	22.34						
5	QPSK	12	0	22.51	22.67	22.56	24	0				
5	QPSK	12	7	22.44	22.65	22.56						
5	QPSK	12	13	22.49	22.63	22.51						
5	QPSK	25	0	22.59	22.66	22.61	24	0				
5	16QAM	1	0	22.54	22.71	22.59						
5	16QAM	1	12	22.49	22.43	22.44						
5	16QAM	1	24	22.37	22.26	22.39	23.5	0.5				
5	16QAM	12	0	22.13	22.17	22.13						
5	16QAM	12	7	22.05	22.04	22.06						
5	16QAM	25	0	22.12	22.18	22.11	23.5	0.5				
5	64QAM	1	0	22.08	22.24	22.17						
5	64QAM	1	24	22.07	22.03	22.03						
5	64QAM	12	0	21.09	21.23	21.17	22.5	1.5				
5	64QAM	12	7	21.06	21.07	21.01						
5	64QAM	25	0	21.08	21.17	21.03						
5	256QAM	1	0	19.12	19.11	18.98	20.5	3.5				
5	256QAM	1	12	18.93	19.08	18.94						
5	256QAM	1	24	18.96	18.91	18.96						
5	256QAM	12	0	19.06	19.24	19.07	20.5	3.5				
5	256QAM	12	7	19.03	19.11	19.20						
5	256QAM	12	13	19.22	19.16	19.16						
5	256QAM	25	0	19.04	19.14	19.11	20.5	3.5				
Channel												
Frequency (MHz)												
3	QPSK	1	0	22.47	22.47	22.19	24	0				
3	QPSK	1	8	22.50	22.50	22.52						
3	QPSK	1	14	22.42	22.50	22.42						
3	QPSK	3	0	22.50	22.50	22.50	24	0				
3	QPSK	3	4	22.45	22.52	22.56						
3	QPSK	3	10	22.49	22.49	22.43						
3	QPSK	15	0	22.58	22.43	22.43	24	0				
3	16QAM	1	0	22.49	22.68	22.56						
3	16QAM	1	8	22.43	22.41	22.48						
3	16QAM	1	14	22.36	22.43	22.43	24	0				
3	16QAM	3	0	22.11	22.27	22.11						
3	16QAM	3	10	22.08	22.63	22.03						
3	16QAM	15	0	22.14	22.21	22.13	23.5	0.5				
3	64QAM	1	0	22.09	22.15	22.18						
3	64QAM	1	8	22.01	22.01	22.03						
3	64QAM	1	14	22.07	22.01	22.01	22.5	1.5				
3	64QAM	3	0	21.09	21.20	21.10						
3	64QAM	3	4	21.13	21.13	21.08						
3	64QAM	8	0	21.20	21.16	21.20	22.5	1.5				
3	64QAM	15	0	21.07	21.15	21.06						
3	256QAM	1	0	19.16	19.19	19.05						
3	256QAM	1	8	18.96	18.97	19.02	20.5	3.5				
3	256QAM	1	14	18.98	18.96	18.95						
3	256QAM	3	0	19.05	19.25	19.04						
3	256QAM	8	0	19.04	19.19	19.19	20.5	3.5				
3	256QAM	8	4	19.19	19.16	19.11						
3	256QAM	15	0	19.06	19.23	19.09						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	22.46	22.47	22.17	24	0				
1.4	QPSK	1	3	22.44	22.59	22.58						
1.4	QPSK	1	5	22.41	22.58	22.36						
1.4	QPSK	3	0	22.53	22.60	22.67	24	0				
1.4	QPSK	3	1	22.45	22.61	22.57						
1.4	QPSK	3	25	22.49	22.62	22.48						
1.4	16QAM	1	0	22.49	22.68	22.56	24	0				
1.4	16QAM	1	8	22.43	22.41	22.48						
1.4	16QAM	1	14	22.36	22.43	22.43						
1.4	16QAM	3	0	22.11	22.27	22.11	23.5	0.5				
1.4	16QAM	3	1	22.49	22.28	22.43						
1.4	16QAM	3	25	22.39	22.41	22.41						
1.4	16QAM	15	0	22.13	22.17	22.13	23.5	0.5				
1.4	64QAM	1	0	22.08	22.24	22.16						
1.4	64QAM	1	8	22.01	22.01	22.03						
1.4	64QAM	1	14	22.07	22.01	22.01	22.5	1.5				
1.4	64QAM	3	0	21.09	21.20	21.10						
1.4	64QAM	3	25	21.09	21.16	21.14						
1.4	64QAM	8	0	21.20	21.16	21.20	22.5	1.5				
1.4	64QAM	15	0	21.07	21.15	21.06						
1.4	256QAM	1	0	19.16	19.19	19.05						
1.4	256QAM	1	8	18.96	18.97	19.02	20.5	3.5				
1.4	256QAM	1	14	18.98	18.96	18.95						
1.4	256QAM	3	0	19.05	19.25	19.04						
1.4	256QAM	8	0	19.04	19.19	19.19	20.5	3.5				
1.4	256QAM	8	4	19.19	19.16	19.11						
1.4	256QAM	15	0	19.06	19.23	19.09						

Band 13 Ant1 DS12 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)									
10	QPSK	1	0	22.32	22.63	22.63	23	0	
10	QPSK	1	25	22.21	22.63	22.63			
10	QPSK	1	49	22.18	22.64	22.43			
10	QPSK	25	0	22.33	22.68	22.59	23.5	0	
10	QPSK	25	12	22.18	22.65	22.54			
10	QPSK	25	25	22.08	22.61	22.54			
10	QPSK	50	0	22.15	22.64	22.63	24	0	
10	16QAM	1	0	22.15	22.64	22.61			
10	16QAM	1	25	22.10	22.47	22.56			
10	16QAM	1	49	22.08	22.45	22.46	23.5	0.5	
10	16QAM	25	0	22.14	22.27	22.39			
10	16QAM	25	12	22.13	22.10	22.07			
10	16QAM	25	25	22.07	22.02	22.02	23.5	0.5	
10	16QAM	50	0	22.13	22.22	22.12			
10	64QAM	1	0	22.15	22.54	22.54	23	0	
10	64QAM	1	25	22.10	22.47	22.46			
10	64QAM	1	49	22.08	22.45	22.46			
10	64QAM	25	0	22.14	22.27	22.39	23.5	0.5	
10	64QAM	25	12	22.13	22.10	22.07			
10	64QAM	25	25	22.07	22.02	22.02			
10	64QAM	50	0	22.13	22.22	22.12	23.5	0.5	
10	64QAM	100	0	22.13	22.22	22.12			
10	256QAM	1	0	19.79	19.87	19.87	20	3	
10	256QAM	1	25	18.82	19.82	19.82			
10	256QAM	1	49	18.82	19.82	19.82			
10	256QAM	25	0	19.85	19.85	19.85	20.5	3	
10	256QAM	25	12	18.81	19.81	19.81			
10	256QAM	25	25	18.79	19.79	19.79			
10	256QAM	50	0	19.81	19.81	19.81	20.5	3	
10	256QAM	100	0	19.81	19.81	19.81			
Channel				776.5	776.5	776.5	Time-up Int. (sec)	MPE (dB)	
5	QPSK	1	0	22.12	22.21	22.05	23	0	
5	QPSK	1	12	22.09	22.08	21.98			
5	QPSK	1	24	22.07	22.03	21.98			
5	QPSK	12	0	22.08	22.12	22.01	23.5	0	
5	QPSK	12	7	21.97	22.07	21.98			
5	QPSK	12	14	21.96	22.01	21.93			
5	QPSK	25	0	21.97	22.03	21.97	24	0	
5	16QAM	1	0	22.16	22.20	22.05			
5	16QAM	1	24	22.06	22.06	21.98			
5	16QAM	12	0	21.98	22.02	21.98	23.5	0	
5	16QAM	12	7	21.87	21.87	21.80			
5	16QAM	12	14	21.83	21.74	21.74			
5	16QAM	12	19	21.50	21.53	21.39	23	0	
5	16QAM	25	0	21.59	21.60	21.66			
5	16QAM	25	12	21.52	21.52	21.36			
5	16QAM	1	12	21.38	21.48	21.32	23.5	0	
5	16QAM	1	24	21.49	21.81	21.47			
5	16QAM	1	36	21.47	21.80	21.43			
5	16QAM	12	7	20.30	20.40	20.30	22	1	
5	16QAM	12	13	20.47	20.51	20.43			
5	16QAM	12	19	20.42	20.73	20.35			
5	256QAM	1	0	18.67	18.75	18.60	20	3	
5	256QAM	1	12	18.36	18.48	18.40			
5	256QAM	1	24	18.36	18.40	18.40			
5	256QAM	12	0	18.58	18.59	18.65	20.5	3	
5	256QAM	12	7	18.47	18.48	18.49			
5	256QAM	12	13	18.56	18.66	18.49			
5	256QAM	1	0	18.63	18.71	18.65	20.5	3	
5	256QAM	1	12	18.63	18.71	18.65			

Band 26 Ant1 DS12 Standalone														
BM (MHz)	Modulation	RB Size	RB Offset	Power Channel	Power Channel	Power Channel	Turnup Int. (dB)	MPR (dB)						
Frequency (MHz)														
15	QPSK	1	0	22.52	22.57	22.61	23.5	0						
15	QPSK	1	37	22.43	22.50	22.45								
15	QPSK	1	74	22.48	22.55	22.41								
15	QPSK	36	0	22.50	22.55	22.54								
15	QPSK	36	20	22.35	22.42	22.38	23.5	0						
15	QPSK	36	36	22.39	22.49	22.42								
15	QPSK	75	0	22.30	22.45	22.33								
15	16QAM	1	0	22.54	22.54	22.50								
15	16QAM	1	37	22.37	22.40	22.39	23.5	0						
15	16QAM	1	74	22.32	22.31	22.45								
15	16QAM	36	0	22.03	22.08	21.98								
15	16QAM	36	20	21.81	21.85	21.80								
15	16QAM	36	39	21.91	21.89	21.86	23.5	0						
15	16QAM	75	0	21.98	22.05	21.95								
15	8QAM	1	37	21.92	21.91	21.87								
15	8QAM	1	74	21.89	21.90	21.84								
15	8QAM	1	0	22.01	22.12	22.01	22.5	1						
15	8QAM	36	20	21.02	21.14	21.06								
15	8QAM	36	39	21.10	21.08	20.99								
15	8QAM	75	0	20.88	20.99	20.87								
15	256QAM	1	0	18.91	18.99	18.95	20.5	3						
15	256QAM	1	37	18.87	18.84	18.87								
15	256QAM	1	74	18.92	18.90	18.91								
15	256QAM	36	0	18.99	19.03	18.98								
15	256QAM	36	20	19.01	19.00	19.07	20.5	3						
15	256QAM	36	39	18.98	19.02	18.91								
15	256QAM	75	0	18.84	18.97	18.88								
Channel														
Frequency (MHz)														
10	QPSK	1	0	22.32	22.31	22.41	23.5	0						
10	QPSK	1	37	22.33	22.43	22.41								
10	QPSK	1	49	22.43	22.45	22.39								
10	QPSK	25	0	22.45	22.48	22.45								
10	QPSK	25	12	22.28	22.38	22.28	23.5	0						
10	QPSK	25	25	22.32	22.45	22.27								
10	QPSK	50	0	22.47	22.37	22.24								
10	16QAM	1	0	22.40	22.50	22.50								
10	16QAM	1	25	22.22	22.27	22.25	23.5	0						
10	16QAM	1	49	22.22	22.27	22.28								
10	16QAM	25	0	21.95	21.97	21.91								
10	16QAM	25	12	21.75	21.72	21.77								
10	16QAM	50	0	21.88	21.96	21.88	23.5	0						
10	8QAM	1	0	21.88	22.08	21.96								
10	8QAM	1	25	21.88	21.70	21.77								
10	8QAM	1	49	21.83	21.84	21.87								
10	8QAM	25	0	20.94	21.05	20.94	22.5	1						
10	8QAM	25	12	20.87	20.99	20.98								
10	8QAM	25	25	20.98	21.04	20.95								
10	8QAM	50	0	20.78	20.83	20.82								
10	256QAM	1	0	18.91	18.95	18.93	20.5	3						
10	256QAM	1	25	18.79	18.75	18.83								
10	256QAM	1	49	18.81	18.86	18.86								
10	256QAM	25	0	18.86	18.86	18.83								
10	256QAM	25	12	18.93	18.92	18.94	20.5	3						
10	256QAM	25	25	18.92	18.88	18.87								
10	256QAM	50	0	18.71	18.89	18.84								
Channel														
Frequency (MHz)														
5	QPSK	1	0	22.12	22.15	22.18	23.5	0						
5	QPSK	1	12	22.28	22.44	22.41								
5	QPSK	1	24	22.44	22.47	22.35								
5	QPSK	12	0	22.39	22.39	22.35								
5	QPSK	12	7	22.29	22.31	22.25	23.5	0						
5	QPSK	12	13	22.27	22.37	22.38								
5	QPSK	25	0	22.36	22.36	22.32								
5	16QAM	1	0	22.48	22.49	22.55								
5	16QAM	1	12	22.34	22.33	22.33	23.5	0						
5	16QAM	1	24	22.20	22.38	22.38								
5	16QAM	12	0	21.98	21.98	21.89								
5	16QAM	12	7	21.78	21.79	21.73								
5	16QAM	12	18	21.76	21.78	21.83	23.5	0						
5	16QAM	25	0	21.88	21.91	21.82								
5	8QAM	1	0	21.94	22.07	21.93								
5	8QAM	1	12	21.88	21.72	21.81								
5	8QAM	1	24	21.85	21.81	21.81	22.5	1						
5	8QAM	12	0	21.00	20.99	20.98								
5	8QAM	12	7	20.95	21.10	21.01								
5	8QAM	12	13	21.06	20.95	20.95								
5	8QAM	25	0	20.74	20.89	20.89	20.5	3						
5	256QAM	1	0	18.87	18.95	18.91								
5	256QAM	1	12	18.73	18.70	18.78								
5	256QAM	1	24	18.80	18.76	18.77								
5	256QAM	12	0	18.95	18.94	18.97	20.5	3						
5	256QAM	12	7	18.89	18.95	18.97								
5	256QAM	12	13	18.94	18.88	18.78								
5	256QAM	25	0	18.75	18.91	18.73								
Channel														
Frequency (MHz)														
3	QPSK	1	0	22.14	22.15	22.19	23.5	0						
3	QPSK	1	8	22.31	22.38	22.31								
3	QPSK	1	14	22.41	22.44	22.27								
3	QPSK	8	0	22.36	22.49	22.48								
3	QPSK	8	4	22.31	22.35	22.26	23.5	0						
3	QPSK	8	7	22.24	22.46	22.37								
3	QPSK	16	0	22.18	22.41	22.23								
3	16QAM	1	0	22.44	22.54	22.53								
3	16QAM	1	8	22.27	22.31	22.28	23.5	0						
3	16QAM	1	14	22.26	22.45	22.45								
3	16QAM	8	0	21.99	22.04	21.88								
3	16QAM	8	4	21.71	21.76	21.71								
3	16QAM	16	0	21.86	21.95	21.87	23.5	0						
3	8QAM	1	0	21.90	22.05	21.83								
3	8QAM	1	8	21.79	21.74	21.82								
3	8QAM	1	14	21.80	21.82	21.82								
3	8QAM	8	0	21.01	21.01	20.92	22.5	1						
3	8QAM	8	4	20.90	21.02	20.99								
3	8QAM	8	7	20.98	21.03	20.99								
3	8QAM	16	0	20.83	20.89	20.79								
3	256QAM	1	0	18.88	18.94	18.93	20.5	3						
3	256QAM	1	8	18.81	18.72	18.75								
3	256QAM	1	14	18.94	18.94	18.96								
3	256QAM	8	0	18.95	18.95	18.92								
3	256QAM	8												

Band 38 ANT1 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	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	18.09	18.17	18.13	19.6	0		
20	QPSK	1	49	17.99	18.10	18.02				
20	QPSK	1	99	17.95	18.12	17.96				
20	QPSK	50	0	18.01	18.13	18.04	19.6	0		
20	QPSK	50	24	18.01	18.09	18.06				
20	QPSK	50	50	17.93	18.03	17.94				
20	QPSK	100	0	17.91	18.07	18.04	19.6	0		
20	16QAM	1	0	18.03	18.13	18.06				
20	16QAM	1	49	18.07	18.14	18.04				
20	16QAM	1	99	17.93	18.05	17.97	19.6	0		
20	16QAM	50	0	17.95	18.12	18.06				
20	16QAM	50	24	17.94	18.06	18.02				
20	16QAM	50	50	17.91	18.08	17.90	19.6	0		
20	16QAM	100	0	17.91	18.08	18.04				
20	64QAM	1	0	17.91	18.05	18.02				
20	64QAM	1	49	17.84	17.99	17.92	19.6	0		
20	64QAM	1	99	18.12	18.15	18.06				
20	64QAM	50	0	17.94	18.09	18.03				
20	64QAM	50	24	18.01	18.11	17.99	19.6	0		
20	64QAM	50	50	18.05	18.14	17.99				
20	64QAM	100	0	17.99	18.13	18.06				
20	256QAM	1	0	17.82	17.97	17.87	19.6	0		
20	256QAM	1	49	17.89	17.92	17.79				
20	256QAM	1	99	17.91	17.94	17.81				
20	256QAM	50	0	17.82	17.96	17.93	19.6	0		
20	256QAM	50	24	17.92	17.96	17.85				
20	256QAM	50	50	17.77	17.85	17.79				
20	256QAM	100	0	17.88	17.94	17.87				
Channel				37825	38000	38175	Tune-up limit	MPR		
Frequency (MHz)				2577.5	2595	2612.5	(dBm)	(dB)		
15	QPSK	1	0	17.94	18.01	18.04	19.6	0		
15	QPSK	1	37	17.86	18.05	17.87				
15	QPSK	1	74	17.79	18.08	17.83				
15	QPSK	36	0	17.88	18.04	17.89	19.6	0		
15	QPSK	36	20	17.89	18.04	17.91				
15	QPSK	36	39	17.85	17.98	17.81				
15	QPSK	75	0	17.87	17.93	17.92	19.6	0		
15	16QAM	1	0	18.01	17.95	17.98				
15	16QAM	1	37	18.02	18.08	17.96				
15	16QAM	1	74	17.84	17.91	17.89	19.6	0		
15	16QAM	36	0	17.84	18.04	18.02				
15	16QAM	36	20	17.88	17.96	17.94				
15	16QAM	36	39	17.84	18.02	17.79	19.6	0		
15	16QAM	75	0	17.74	17.99	18.00				
15	64QAM	1	0	17.76	18.01	17.95				
15	64QAM	1	37	17.80	17.83	17.87	19.6	0		
15	64QAM	1	74	18.07	18.02	17.88				
15	64QAM	36	0	17.77	18.04	17.89				
15	64QAM	36	20	17.93	17.98	17.93	19.6	0		
15	64QAM	36	39	17.99	18.06	17.92				
15	64QAM	75	0	17.94	18.00	17.92				
15	256QAM	1	0	17.75	17.81	17.80	19.6	0		
15	256QAM	1	37	17.84	17.76	17.68				
15	256QAM	1	74	17.76	17.89	17.66				
15	256QAM	36	0	17.71	17.81	17.81	19.6	0		
15	256QAM	36	20	17.77	17.93	17.74				
15	256QAM	36	39	17.70	17.78	17.73				
15	256QAM	75	0	17.80	17.77	17.82				
Channel				37800	38000	38200	Tune-up limit	MPR		
Frequency (MHz)				2575	2595	2615	(dBm)	(dB)		
10	QPSK	1	0	18.07	18.12	18.00	19.6	0		
10	QPSK	1	25	17.98	18.06	17.96				
10	QPSK	1	49	17.89	18.08	17.82				
10	QPSK	25	0	17.94	18.01	17.90	19.6	0		
10	QPSK	25	12	17.97	17.96	17.88				
10	QPSK	25	25	17.90	17.96	17.88				
10	QPSK	50	0	17.76	18.02	17.98	19.6	0		
10	16QAM	1	0	17.88	17.98	17.93				
10	16QAM	1	25	18.04	17.98	17.98				
10	16QAM	1	49	17.75	17.97	17.83	19.6	0		
10	16QAM	25	0	17.91	18.10	18.03				
10	16QAM	25	12	17.90	17.94	17.95				
10	16QAM	25	25	17.81	17.98	17.85	19.6	0		
10	16QAM	50	0	17.83	18.00	18.01				
10	64QAM	1	0	17.75	17.85	17.95				
10	64QAM	1	25	17.89	17.83	17.87	19.6	0		
10	64QAM	1	49	18.02	17.99	17.90				
10	64QAM	25	0	17.87	18.00	17.97				
10	64QAM	25	12	17.84	18.03	17.88	19.6	0		
10	64QAM	25	25	17.93	18.03	17.87				
10	64QAM	50	0	17.92	17.97	17.96				
10	256QAM	1	0	17.73	17.90	17.81	19.6	0		
10	256QAM	1	25	17.74	17.85	17.89				
10	256QAM	1	49	17.77	17.80	17.83				
10	256QAM	25	0	17.74	17.88	17.80	19.6	0		
10	256QAM	25	12	17.89	17.91	17.78				
10	256QAM	25	25	17.71	17.82	17.66				
10	256QAM	50	0	17.80	17.79	17.83				
Channel				37775	38000	38225	Tune-up limit	MPR		
Frequency (MHz)				2572.5	2595	2617.5	(dBm)	(dB)		
5	QPSK	1	0	18.01	18.06	18.08	19.6	0		
5	QPSK	1	12	17.89	18.07	17.98				
5	QPSK	1	24	17.86	18.08	17.82				
5	QPSK	12	0	17.96	18.08	17.92	19.6	0		
5	QPSK	12	7	17.98	18.06	18.00				
5	QPSK	12	13	17.85	17.96	17.92				
5	QPSK	25	0	17.76	17.92	17.96	19.6	0		
5	16QAM	1	0	17.93	18.08	18.01				
5	16QAM	1	12	18.02	18.03	17.87				
5	16QAM	1	24	17.78	18.03	17.80	19.6	0		
5	16QAM	12	0	17.78	17.97	17.99				
5	16QAM	12	7	17.78	17.98	17.95				
5	16QAM	12	13	17.79	18.04	17.76	19.6	0		
5	16QAM	25	0	17.83	17.93	17.99				
5	64QAM	1	0	17.85	17.97	17.87				
5	64QAM	1	12	17.68	17.93	17.82	19.6	0		
5	64QAM	1	24	18.09	18.13	17.89				
5	64QAM	12	0	17.83	17.99	17.87				
5	64QAM	12	7	17.86	17.97	17.82	19.6	0		
5	64QAM	12	13	17.96	18.04	17.92				
5	64QAM	25	0	17.96	18.03	17.98	19.6	0		
5	256QAM	1	0	17.79	17.92	17.74				
5	256QAM	1	12	17.75	17.74	17.62				
5	256QAM	1	24	17.81	17.81	17.63	19.6	0		
5	256QAM	12	0	17.76	17.78	17.76				
5	256QAM	12	7	17.84	17.80	17.71				
5	256QAM	12	13	17.73	17.92	17.72	19.6	0		
5	256QAM	25	0	17.72	17.87	17.78				

Band 41 PC3 Ant1 DSI2 Standalone											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low-Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				39760	40185	40620	41055	41490	19.6	0	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	18.01	17.91	18.25	17.92	17.88	19.6	0	
20	QPSK	1	49	18.03	17.98	18.17	17.93	17.85			
20	QPSK	1	99	17.99	17.85	18.07	17.76	17.80			
20	QPSK	50	0	18.12	17.94	18.21	17.98	17.93			
20	QPSK	50	24	18.05	17.99	18.12	17.89	17.89	19.6	0	
20	QPSK	50	50	17.88	17.97	18.17	18.01	17.93			
20	QPSK	100	0	17.94	17.85	18.10	17.94	17.78			
20	16QAM	1	0	17.94	17.85	18.08	17.90	17.79			
20	16QAM	1	49	18.12	18.03	18.21	17.90	17.89	19.6	0	
20	16QAM	1	99	17.98	17.93	18.18	17.98	17.80			
20	16QAM	50	0	18.06	18.03	18.15	17.88	17.80			
20	16QAM	50	24	18.04	18.08	18.22	17.91	17.93			
20	16QAM	50	50	17.89	17.92	18.10	17.80	17.80	19.6	0	
20	16QAM	100	0	17.93	17.93	18.11	17.87	17.89			
20	64QAM	1	0	18.07	18.07	18.21	18.00	17.96			
20	64QAM	1	49	18.09	18.06	18.22	17.97	17.92	19.6	0	
20	64QAM	1	99	18.04	17.92	18.14	17.91	17.78			
20	64QAM	50	0	18.12	17.98	18.21	17.97	17.84			
20	64QAM	50	24	18.09	17.98	18.18	18.00	17.89			
20	64QAM	50	50	18.06	18.08	18.23	18.05	18.01	19.6	0	
20	64QAM	100	0	18.05	17.99	18.12	17.81	17.79			
20	256QAM	1	0	17.85	17.78	18.01	17.81	17.72			
20	256QAM	1	49	17.77	17.83	17.98	17.78	17.73	19.6	0	
20	256QAM	1	99	17.90	17.92	18.09	17.88	17.81			
20	256QAM	50	0	17.88	17.91	18.04	17.82	17.69			
20	256QAM	50	24	17.91	17.85	18.06	17.86	17.77			
20	256QAM	50	50	17.89	17.83	18.10	17.81	17.81	19.6	0	
20	256QAM	100	0	17.87	17.82	18.08	17.91	17.79			
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	17.92	17.74	18.10	17.74	17.73	19.60	0	
15	QPSK	1	37	17.91	17.82	18.11	17.82	17.68			
15	QPSK	1	74	17.93	17.76	17.94	17.73	17.72			
15	QPSK	36	0	17.94	17.78	18.12	17.89	17.78			
15	QPSK	36	20	18.00	17.92	18.09	17.71	17.79	19.6	0	
15	QPSK	36	39	17.86	17.88	18.07	17.94	17.79			
15	QPSK	75	0	17.77	17.74	18.03	17.88	17.72			
15	16QAM	1	0	17.90	17.67	18.05	17.77	17.75			
15	16QAM	1	37	18.04	17.94	18.09	17.83	17.80	19.6	0	
15	16QAM	1	74	17.89	17.78	18.01	17.81	17.72			
15	16QAM	36	0	18.00	17.94	18.00	17.78	17.68			
15	16QAM	36	20	17.99	18.05	18.12	17.83	17.88			
15	16QAM	36	39	17.80	17.86	18.05	17.68	17.71	19.6	0	
15	16QAM	75	0	17.87	17.79	17.93	17.78	17.75			
15	64QAM	1	0	17.96	18.04	18.19	17.83	17.83			
15	64QAM	1	37	17.97	18.01	18.04	17.84	17.88	19.6	0	
15	64QAM	1	74	17.90	17.82	18.09	17.81	17.75			
15	64QAM	36	0	18.02	17.82	18.15	17.83	17.74			
15	64QAM	36	20	18.04	17.84	18.02	17.87	17.85			
15	64QAM	36	39	17.96	18.06	18.17	17.98	17.98	19.6	0	
15	64QAM	75	0	17.94	17.93	18.08	17.71	17.76			
15	256QAM	1	0	17.69	17.60	17.83	17.64	17.66			
15	256QAM	1	37	17.63	17.77	17.84	17.65	17.62	19.6	0	
15	256QAM	1	74	17.74	17.88	17.91	17.78	17.65			
15	256QAM	36	0	17.84	17.80	17.88	17.73	17.64			
15	256QAM	36	20	17.80	17.74	18.03	17.74	17.74			
15	256QAM	36	39	17.84	17.69	18.08	17.74	17.74	19.6	0	
15	256QAM	75	0	17.78	17.72	17.94	17.78	17.61			
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501	2547	2593	2639	2685			
10	QPSK	1	0	17.86	17.86	18.09	17.77	17.86	19.60	0	
10	QPSK	1	25	17.82	17.87	18.12	17.88	17.73			
10	QPSK	1	49	17.86	17.69	17.91	17.69	17.66			
10	QPSK	25	0	18.07	17.90	18.08	17.89	17.87			
10	QPSK	25	12	17.93	17.85	17.98	17.73	17.74	19.6	0	
10	QPSK	25	25	17.94	17.93	17.99	17.86	17.87			
10	QPSK	50	0	17.90	17.79	17.98	17.89	17.80			
10	16QAM	1	0	17.83	17.67	17.81	17.85	17.69			
10	16QAM	1	25	17.85	17.93	18.06	17.76	17.78	19.6	0	
10	16QAM	1	49	17.85	17.76	18.04	17.81	17.68			
10	16QAM	25	0	17.94	17.97	18.09	17.88	17.87			
10	16QAM	25	12	17.91	18.03	18.17	17.76	17.84			
10	16QAM	25	25	17.85	17.81	18.01	17.72	17.80	19.6	0	
10	16QAM	50	0	17.78	17.82	17.96	17.72	17.82			
10	64QAM	1	0	17.95	17.96	18.11	17.90	17.90			
10	64QAM	1	25	18.05	17.95	18.05	17.81	17.84			
10	64QAM	1	49	17.96	17.84	17.99	17.84	17.72	19.6	0	
10	64QAM	25	0	17.94	17.86	18.08	17.89	17.72			
10	64QAM	25	12	17.95	17.83	18.10	17.95	17.78			
10	64QAM	25	25	17.88	17.96	18.09	17.94	17.89			
10	64QAM	50	0	17.94	17.83	18.05	17.78	17.74	19.6	0	
10	256QAM	1	0	17.69	17.73	17.86	17.63	17.65			
10	256QAM	1	25	17.75	17.79	17.91	17.62	17.62			
10	256QAM	1	49	17.83	17.85	18.01	17.75	17.71			
10	256QAM	25	0	17.79	17.83	17.88	17.70	17.68	19.6	0	
10	256QAM	25	12	17.78	17.72	17.96	17.76	17.64			
10	256QAM	25	25	17.89	17.70	17.98	17.67	17.67			
10	256QAM	50	0	17.81	17.70	17.93	17.76	17.74			
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2685.5	2545.3	2593	2640.0	2692.5			
5	QPSK	1	0	17.92	17.83	18.12	17.88	17.74	19.60	0	
5	QPSK	1	12	17.99	17.89	18.11	17.77	17.76			
5	QPSK	1	24	17.96	17.72	18.03	17.70	17.67			
5	QPSK	12	0	18.00	17.90	18.16	17.86	17.86			
5	QPSK	12	7	18.00	17.87	18.00	17.72	17.74	19.6	0	
5	QPSK	12	13	17.93	17.93	18.03	17.86	17.87			
5	QPSK	25	0	17.85	17.76	18.02	17.86	17.72			
5	16QAM	1	0	17.76	17.77	17.92	17.74	17.64			
5	16QAM	1	12	18.04	17.90	18.05	17.86	17.74	19.6	0	
5	16QAM	1	24	17.82	17.91	18.08	17.86	17.65			
5	16QAM	12	0	17.97	17.98	18.13	17.74	17.74			
5	16QAM	12	7	17.89	18.04	18.14	17.80	17.89			
5	16QAM	12	13	17.72	17.77	17.99	17.68	17.71	19.6	0	
5	16QAM	25	0	17.76	17.77	17.95	17.75	17.77			
5	64QAM	1	0	17.93	18.02	18.04	17.93	17.85			
5	64QAM	1	12	18.02	17.94	18.07	17.88	17.76	19.6	0	
5	64QAM	1	24	17.87	17.81	18.07	17.76	17.71			
5	64QAM	12	0	18.07	17.82	18.09	17.88	17.69			
5	64QAM	12	7	17.99	17.87	18.00	17.80	17.76			
5	64QAM	12	13	17.92	17.91	18.13	18.02	17.90	19.6	0	
5	64QAM	25	0	17.93	17.89	17.96	17.78	17.71			
5	256QAM	1	0	17.69	17.72	17.97	17.74	17.69			
5	256QAM	1	12	17.66	17.66	17.82	17.75	17.61	19.6	0	
5	256QAM	1	24	17.88	17.79	18.02	17.73	17.69			
5	256QAM	12	0	17.71	17.86	17.92	17.75	17.65			
5	256QAM	12	7	17.78	17.69	17.90	17.78	17.68			
5	256QAM	12	13	17.91	17.73	18.00	17.78	17.68	19.6	0	
5	256QAM	25	0	17.75	17.74	17.94	17.82	17.62			

Band 42 Part96 Ant2 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				43190	43340	43490	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3560	3575	3590			
20	QPSK	1	0	21.27	21.55	21.16	22.4	0	
20	QPSK	1	49	21.32	21.33	21.17			
20	QPSK	1	99	21.21	21.25	21.17			
20	QPSK	50	0	21.33	21.37	21.29			
20	QPSK	50	24	21.18	21.40	21.18	22	0.4	
20	QPSK	50	50	21.16	21.24	21.24			
20	QPSK	100	0	20.30	20.33	20.29			
20	16QAM	1	0	21.13	21.26	21.17			
20	16QAM	1	49	21.14	21.19	21.08	22	0.4	
20	16QAM	1	99	21.01	21.23	21.04			
20	16QAM	50	0	21.36	21.12	21.21			
20	16QAM	50	24	21.29	21.22	21.28			
20	16QAM	50	50	21.08	21.20	21.01	21.5	0.9	
20	16QAM	100	0	19.56	19.90	19.52			
20	64QAM	1	0	21.25	21.40	21.35			
20	64QAM	1	49	21.39	21.29	21.28	22	0.4	
20	64QAM	1	99	21.08	21.25	21.11			
20	64QAM	50	0	20.24	20.15	19.98			
20	64QAM	50	24	20.19	20.04	20.18			
20	64QAM	50	50	20.12	20.34	20.12	20.5	1.9	
20	64QAM	100	0	18.66	18.56	18.73			
20	256QAM	1	0	18.31	18.37	18.33			
20	256QAM	1	49	18.27	18.34	18.20	19	3.4	
20	256QAM	1	99	18.13	18.27	18.10			
20	256QAM	50	0	18.19	18.30	18.16			
20	256QAM	50	24	18.37	18.33	18.32			
20	256QAM	50	50	18.14	18.21	18.15	19	3.4	
20	256QAM	100	0	18.32	18.37	18.32			
Channel				43165	43340	43515	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3557.5	3575	3592.5			
15	QPSK	1	0	21.31	21.45	21.16	22.4	0	
15	QPSK	1	37	21.26	21.23	21.20			
15	QPSK	1	74	21.19	21.29	21.17			
15	QPSK	36	0	21.35	21.37	21.21			
15	QPSK	36	20	21.28	21.29	21.22	22	0.4	
15	QPSK	36	39	21.13	21.31	21.15			
15	QPSK	75	0	20.34	20.28	20.21			
15	16QAM	1	0	21.19	21.24	21.24			
15	16QAM	1	37	21.09	21.27	21.17	22	0.4	
15	16QAM	1	74	21.10	21.19	21.01			
15	16QAM	36	0	21.36	21.11	21.20			
15	16QAM	36	20	21.29	21.19	21.20			
15	16QAM	36	39	21.14	21.18	21.03	21.5	0.9	
15	16QAM	75	0	21.36	21.40	21.31			
15	64QAM	1	0	21.20	21.33	21.36			
15	64QAM	1	37	21.27	21.43	21.27	22	0.4	
15	64QAM	1	74	21.20	21.28	21.14			
15	64QAM	36	0	20.24	20.02	20.00			
15	64QAM	36	20	20.21	20.02	20.08			
15	64QAM	36	39	20.18	20.29	20.11	20.5	1.9	
15	64QAM	75	0	20.33	20.48	20.45			
15	256QAM	1	0	18.39	18.36	18.35			
15	256QAM	1	37	18.19	18.42	18.24	19	3.4	
15	256QAM	1	74	18.19	18.20	18.13			
15	256QAM	36	0	18.15	18.30	18.25			
15	256QAM	36	20	18.28	18.30	18.29			
15	256QAM	36	39	18.20	18.29	18.16	19	3.4	
15	256QAM	75	0	18.22	18.32	18.39			
Channel				43140	43340	43540	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3555	3575	3595			
10	QPSK	1	0	21.23	21.49	21.21	22.4	0	
10	QPSK	1	25	21.32	21.25	21.24			
10	QPSK	1	49	21.25	21.35	21.25			
10	QPSK	25	0	21.32	21.42	21.32			
10	QPSK	25	12	21.29	21.31	21.32	22	0.4	
10	QPSK	25	25	21.20	21.23	21.13			
10	QPSK	50	0	20.22	20.38	20.29			
10	16QAM	1	0	21.14	21.27	21.27			
10	16QAM	1	25	21.13	21.19	21.16	22	0.4	
10	16QAM	1	49	21.09	21.15	21.00			
10	16QAM	25	0	21.37	21.15	21.14			
10	16QAM	25	12	21.26	21.14	21.15	21.5	0.9	
10	16QAM	25	25	21.00	21.24	21.08			
10	16QAM	50	0	21.30	21.46	21.26			
10	64QAM	1	0	21.25	21.26	21.27	22	0.4	
10	64QAM	1	25	21.38	21.39	21.28			
10	64QAM	1	49	21.22	21.23	21.18			
10	64QAM	25	0	20.12	20.06	20.00			
10	64QAM	25	12	20.22	20.01	20.14	20.5	1.9	
10	64QAM	25	25	20.20	20.28	20.09			
10	64QAM	50	0	20.43	20.50	20.40			
10	256QAM	1	0	18.38	18.47	18.34	19	3.4	
10	256QAM	1	25	18.29	18.31	18.14			
10	256QAM	1	49	18.19	18.29	18.21			
10	256QAM	25	0	18.21	18.28	18.26			
10	256QAM	25	12	18.37	18.42	18.38	19	3.4	
10	256QAM	25	25	18.14	18.30	18.20			
10	256QAM	50	0	18.31	18.42	18.27			
Channel				43115	43340	43565	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3523.5	3575	3597.5			
5	QPSK	1	0	21.32	21.43	21.24	22.4	0	
5	QPSK	1	12	21.26	21.33	21.22			
5	QPSK	1	24	21.12	21.28	21.23			
5	QPSK	12	0	21.29	21.35	21.26			
5	QPSK	12	7	21.23	21.39	21.26	22	0.4	
5	QPSK	12	13	21.22	21.32	21.16			
5	QPSK	25	0	20.33	20.35	20.35			
5	16QAM	1	0	21.13	21.33	21.24			
5	16QAM	1	12	21.13	21.31	21.14	22	0.4	
5	16QAM	1	24	21.05	21.22	21.09			
5	16QAM	12	0	21.35	21.14	21.14			
5	16QAM	12	7	21.24	21.16	21.17	21.5	0.9	
5	16QAM	12	13	21.10	21.23	21.07			
5	16QAM	25	0	21.29	21.40	21.34			
5	64QAM	1	0	21.24	21.25	21.22			
5	64QAM	1	12	21.36	21.31	21.38	22	0.4	
5	64QAM	1	24	21.23	21.27	21.19			
5	64QAM	12	0	20.19	20.11	20.06			
5	64QAM	12	7	20.19	20.09	20.12	20.5	1.9	
5	64QAM	12	13	20.09	20.30	20.19			
5	64QAM	25	0	20.39	20.49	20.39			
5	256QAM	1	0	18.27	18.45	18.35			
5	256QAM	1	12	18.19	18.36	18.16	19	3.4	
5	256QAM	1	24	18.11	18.16	18.09			
5	256QAM	12	0	18.19	18.27	18.19			
5	256QAM	12	7	18.28	18.30	18.34	19	3.4	
5	256QAM	12	13	18.21	18.33	18.09			
5	256QAM	25	0	18.24	18.36	18.33			

Band 42 Part27Q Ant2 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				42190	42590	42990	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	21.45	21.65	21.39	22.4	0	
20	QPSK	1	49	21.43	21.47	21.37			
20	QPSK	1	99	21.36	21.49	21.40			
20	QPSK	50	0	21.43	21.54	21.42			
20	QPSK	50	24	21.41	21.50	21.42	22	0.4	
20	QPSK	50	50	21.38	21.42	21.36			
20	QPSK	100	0	20.45	20.51	20.45			
20	16QAM	1	0	21.35	21.49	21.39			
20	16QAM	1	49	21.30	21.42	21.29	22	0.4	
20	16QAM	1	99	21.23	21.37	21.22			
20	16QAM	50	0	21.48	21.30	21.36			
20	16QAM	50	24	21.46	21.32	21.40			
20	16QAM	50	50	21.24	21.38	21.24	21.5	0.9	
20	16QAM	100	0	19.66	19.51	19.67			
20	64QAM	1	0	21.37	21.50	21.46			
20	64QAM	1	49	21.50	21.54	21.50			
20	64QAM	1	99	21.33	21.44	21.31	22	0.4	
20	64QAM	50	0	20.36	20.26	20.22			
20	64QAM	50	24	20.40	20.24	20.31			
20	64QAM	50	50	20.33	20.44	20.30			
20	64QAM	100	0	18.55	18.50	18.67	20.5	1.9	
20	256QAM	1	0	18.51	18.58	18.52			
20	256QAM	1	49	18.42	18.53	18.39			
20	256QAM	1	99	18.30	18.39	18.31			
20	256QAM	50	0	18.38	18.52	18.38	19	3.4	
20	256QAM	50	24	18.48	18.54	18.51			
20	256QAM	50	50	18.34	18.46	18.33			
20	256QAM	100	0	18.45	18.53	18.50			
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500	3542.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	21.51	21.60	21.43			22.4
15	QPSK	1	37	21.35	21.39	21.21			
15	QPSK	1	74	21.22	21.43	21.24			
15	QPSK	36	0	21.41	21.46	21.43			
15	QPSK	36	20	21.32	21.37	21.27	22	0.4	
15	QPSK	36	39	21.24	21.32	21.28			
15	QPSK	75	0	21.27	21.37	21.32			
15	16QAM	1	0	21.41	21.39	21.39			
15	16QAM	1	37	21.23	21.39	21.25	22	0.4	
15	16QAM	1	74	21.19	21.25	21.21			
15	16QAM	36	0	21.43	21.33	21.43			
15	16QAM	36	20	21.36	21.40	21.31			
15	16QAM	36	39	21.16	21.33	21.25	21.5	0.9	
15	16QAM	75	0	21.23	21.43	21.34			
15	64QAM	1	0	21.33	21.37	21.32			
15	64QAM	1	37	21.35	21.45	21.42			
15	64QAM	1	74	21.22	21.26	21.22	22	0.4	
15	64QAM	36	0	20.33	20.48	20.45			
15	64QAM	36	20	20.46	20.50	20.39			
15	64QAM	36	39	20.23	20.39	20.32			
15	64QAM	75	0	20.34	20.38	20.26	20.5	1.9	
15	256QAM	1	0	18.34	18.52	18.32			
15	256QAM	1	37	18.31	18.42	18.27			
15	256QAM	1	74	18.31	18.30	18.26			
15	256QAM	36	0	18.32	18.48	18.29	19	3.4	
15	256QAM	36	20	18.36	18.50	18.38			
15	256QAM	36	39	18.21	18.33	18.26			
15	256QAM	75	0	18.28	18.38	18.40			
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455	3500	3545	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	21.53	21.53	21.46			22.4
10	QPSK	1	25	21.28	21.34	21.25			
10	QPSK	1	49	21.29	21.44	21.22			
10	QPSK	25	0	21.42	21.47	21.26			
10	QPSK	25	12	21.25	21.47	21.28	22	0.4	
10	QPSK	25	25	21.26	21.36	21.24			
10	QPSK	50	0	21.37	21.45	21.38			
10	16QAM	1	0	21.33	21.45	21.37			
10	16QAM	1	25	21.26	21.37	21.26	22	0.4	
10	16QAM	1	49	21.14	21.34	21.22			
10	16QAM	25	0	21.49	21.45	21.44			
10	16QAM	25	12	21.30	21.46	21.26			
10	16QAM	25	25	21.23	21.25	21.22	21.5	0.9	
10	16QAM	50	0	21.25	21.38	21.35			
10	64QAM	1	0	21.29	21.43	21.32			
10	64QAM	1	25	21.34	21.40	21.43			
10	64QAM	1	49	21.33	21.39	21.19	22	0.4	
10	64QAM	25	0	20.30	20.45	20.43			
10	64QAM	25	12	20.43	20.50	20.40			
10	64QAM	25	25	20.21	20.39	20.32			
10	64QAM	50	0	20.28	20.41	20.30	20.5	1.9	
10	256QAM	1	0	18.34	18.50	18.37			
10	256QAM	1	25	18.37	18.43	18.33			
10	256QAM	1	49	18.33	18.28	18.22			
10	256QAM	25	0	18.32	18.45	18.34	19	3.4	
10	256QAM	25	12	18.34	18.44	18.38			
10	256QAM	25	25	18.26	18.39	18.19			
10	256QAM	50	0	18.34	18.46	18.31			
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3452.5	3500	3547.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	21.56	21.52	21.45			22.4
5	QPSK	1	12	21.35	21.35	21.34			
5	QPSK	1	24	21.33	21.40	21.22			
5	QPSK	12	0	21.42	21.47	21.29			
5	QPSK	12	7	21.27	21.39	21.34	22	0.4	
5	QPSK	12	13	21.25	21.32	21.29			
5	16QAM	1	0	21.30	21.46	21.29			
5	16QAM	1	12	21.36	21.40	21.35			
5	16QAM	1	12	21.28	21.37	21.24	22	0.4	
5	16QAM	1	24	21.18	21.27	21.16			
5	16QAM	12	0	21.50	21.47	21.32			
5	16QAM	12	7	21.30	21.43	21.33			
5	16QAM	12	13	21.17	21.25	21.24	21.5	0.9	
5	16QAM	25	0	21.29	21.40	21.34			
5	64QAM	1	0	21.27	21.45	21.22			
5	64QAM	1	12	21.34	21.41	21.40			
5	64QAM	1	24	21.23	21.34	21.23	22	0.4	
5	64QAM	12	0	20.39	20.42	20.46			
5	64QAM	12	7	20.37	20.49	20.39			
5	64QAM	12	13	20.15	20.36	20.35			
5	256QAM	1	0	20.26	20.39	20.32	20.5	1.9	
5	256QAM	1	0	18.34	18.54	18.34			
5	256QAM	1	12	18.33	18.46	18.33			
5	256QAM	1	24	18.29	18.27	18.20			
5	256QAM	12	0	18.34	18.46	18.33	19	3.4	
5	256QAM	12	7	18.29	18.44	18.34			
5	256QAM	12	13	18.23	18.29	18.23			
5	256QAM	25	0	18.31	18.41	18.34			

Band 43 Ant2 DS12 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				43590	43990	44390				
Frequency (MHz)				3610	3650	3690				
20	QPSK	1	0	21.56	21.72	21.64	22.4	0		
20	QPSK	1	49	21.53	21.57	21.42				
20	QPSK	1	99	21.56	21.60	21.54				
20	QPSK	50	0	21.62	21.68	21.64				
20	QPSK	50	24	21.61	21.66	21.54	22	0.4		
20	QPSK	50	50	21.55	21.61	21.53				
20	QPSK	100	0	20.53	20.62	20.50				
20	16QAM	1	0	21.48	21.55	21.47				
20	16QAM	1	49	21.50	21.57	21.44	22	0.4		
20	16QAM	1	99	21.46	21.60	21.51				
20	16QAM	50	0	21.40	21.44	21.33				
20	16QAM	50	24	21.34	21.43	21.38				
20	16QAM	50	50	21.38	21.45	21.30	21.5	0.9		
20	16QAM	100	0	19.56	19.63	19.58				
20	64QAM	1	0	21.57	21.65	21.52				
20	64QAM	1	49	21.55	21.63	21.52	22	0.4		
20	64QAM	1	99	21.60	21.66	21.61				
20	64QAM	50	0	20.40	20.46	20.36				
20	64QAM	50	24	20.33	20.46	20.36				
20	64QAM	50	50	20.44	20.48	20.36	20.5	1.9		
20	64QAM	100	0	18.57	18.64	18.53				
20	256QAM	1	0	18.43	18.47	18.35				
20	256QAM	1	49	18.44	18.58	18.48	19	3.4		
20	256QAM	1	99	18.36	18.48	18.39				
20	256QAM	50	0	18.52	18.62	18.51				
20	256QAM	50	24	18.57	18.64	18.57				
20	256QAM	50	50	18.48	18.63	18.55	19	3.4		
20	256QAM	100	0	18.52	18.60	18.54				
Channel				43565	43990	44415	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3607.5	3650	3692.5				
15	QPSK	1	0	21.54	21.67	21.60	22.4	0		
15	QPSK	1	37	21.33	21.44	21.45				
15	QPSK	1	74	21.37	21.57	21.47				
15	QPSK	36	0	21.49	21.58	21.46				
15	QPSK	36	20	21.48	21.55	21.47	22	0.4		
15	QPSK	36	39	21.48	21.53	21.37				
15	QPSK	75	0	21.45	21.55	21.42				
15	16QAM	1	0	21.45	21.41	21.39				
15	16QAM	1	37	21.44	21.46	21.33	22	0.4		
15	16QAM	1	74	21.42	21.56	21.41				
15	16QAM	36	0	21.21	21.34	21.25				
15	16QAM	36	20	21.28	21.36	21.28				
15	16QAM	36	39	21.31	21.34	21.30	21.5	0.9		
15	16QAM	75	0	21.23	21.39	21.26				
15	64QAM	1	0	21.48	21.56	21.47				
15	64QAM	1	37	21.45	21.59	21.46	22	0.4		
15	64QAM	1	74	21.48	21.59	21.47				
15	64QAM	36	0	20.32	20.34	20.25				
15	64QAM	36	20	20.19	20.41	20.25				
15	64QAM	36	39	20.34	20.44	20.33	20.5	1.9		
15	64QAM	75	0	20.26	20.37	20.28				
15	256QAM	1	0	18.25	18.34	18.31				
15	256QAM	1	37	18.43	18.54	18.43	19	3.4		
15	256QAM	1	74	18.28	18.45	18.32				
15	256QAM	36	0	18.39	18.51	18.46				
15	256QAM	36	20	18.40	18.55	18.54				
15	256QAM	36	39	18.39	18.50	18.36	19	3.4		
15	256QAM	75	0	18.48	18.55	18.44				
Channel				43540	43990	44440	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3605	3650	3695				
10	QPSK	1	0	21.53	21.59	21.49	22.4	0		
10	QPSK	1	25	21.37	21.51	21.45				
10	QPSK	1	49	21.41	21.53	21.52				
10	QPSK	25	0	21.46	21.55	21.49				
10	QPSK	25	12	21.46	21.61	21.41	22	0.4		
10	QPSK	25	25	21.41	21.52	21.45				
10	QPSK	50	0	21.51	21.54	21.42				
10	16QAM	1	0	21.35	21.44	21.43				
10	16QAM	1	25	21.47	21.52	21.42	22	0.4		
10	16QAM	1	49	21.41	21.55	21.49				
10	16QAM	25	0	21.16	21.31	21.17				
10	16QAM	25	12	21.21	21.39	21.32				
10	16QAM	25	25	21.36	21.39	21.28	21.5	0.9		
10	16QAM	50	0	21.23	21.32	21.28				
10	64QAM	1	0	21.40	21.59	21.53				
10	64QAM	1	25	21.50	21.53	21.49				
10	64QAM	1	49	21.49	21.56	21.54	22	0.4		
10	64QAM	25	0	20.27	20.31	20.21				
10	64QAM	25	12	20.17	20.39	20.22				
10	64QAM	25	25	20.31	20.34	20.34				
10	64QAM	50	0	20.50	20.50	20.44	20.5	1.9		
10	256QAM	1	0	18.26	18.38	18.27				
10	256QAM	1	25	18.40	18.43	18.39				
10	256QAM	1	49	18.32	18.38	18.24				
10	256QAM	25	0	18.37	18.56	18.45	19	3.4		
10	256QAM	25	12	18.41	18.52	18.56				
10	256QAM	25	25	18.41	18.54	18.41				
10	256QAM	50	0	18.52	18.47	18.41				
Channel				43515	43990	44465	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3602.5	3650	3697.5				
5	QPSK	1	0	21.54	21.63	21.57	22.4	0		
5	QPSK	1	12	21.41	21.51	21.37				
5	QPSK	1	24	21.39	21.56	21.45				
5	QPSK	12	0	21.46	21.64	21.45				
5	QPSK	12	7	21.52	21.57	21.41	22	0.4		
5	QPSK	12	13	21.41	21.54	21.46				
5	QPSK	25	0	21.49	21.59	21.43				
5	16QAM	1	0	21.45	21.40	21.34				
5	16QAM	1	12	21.41	21.45	21.41	22	0.4		
5	16QAM	1	24	21.43	21.56	21.42				
5	16QAM	12	0	21.18	21.31	21.18				
5	16QAM	12	7	21.25	21.38	21.28				
5	16QAM	12	13	21.26	21.38	21.24	21.5	0.9		
5	16QAM	25	0	21.32	21.33	21.22				
5	64QAM	1	0	21.38	21.57	21.53				
5	64QAM	1	12	21.47	21.54	21.51				
5	64QAM	1	24	21.52	21.58	21.49	22	0.4		
5	64QAM	12	0	20.33	20.32	20.26				
5	64QAM	12	7	20.24	20.34	20.22				
5	64QAM	12	13	20.31	20.35	20.37				
5	64QAM	25	0	20.28	20.41	20.24	20.5	1.9		
5	256QAM	1	0	18.27	18.33	18.37	19	3.4		
5	256QAM	1	12	18.38	18.47	18.46				
5	256QAM	1	24	18.30	18.33	18.32				
5	256QAM	12	0	18.42	18.53	18.46				
5	256QAM	12	7	18.45	18.50	18.56	19	3.4		
5	256QAM	12	13	18.46	18.51	18.42				
5	256QAM	25	0	18.45	18.54	18.45				

Reduced Power for DSI2 Simultaneous

GSM850 ANT0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel	126	186	251	126	186	251	
	Frequency (MHz)	824.2	836.4	848.6	824.2	836.4	848.6	
GSM 1 Tx slot		32.66	32.75	32.55	33.50	23.66	23.75	23.55
GPRS 1 Tx slot		32.56	32.74	32.43	33.50	23.56	23.74	23.43
GPRS 2 Tx slots		29.70	29.98	29.66	31.00	23.78	23.98	23.66
GPRS 3 Tx slots		28.12	28.11	27.94	29.00	23.86	23.85	23.68
GPRS 4 Tx slots		26.63	26.78	26.37	27.00	23.63	23.78	23.37
EDGE 1 Tx slot		25.74	25.62	25.62	26.50	16.74	16.62	16.62
EDGE 2 Tx slots		24.06	24.16	23.93	25.00	16.06	16.16	17.93
EDGE 3 Tx slots		22.77	22.82	22.59	23.50	16.51	16.56	16.33
EDGE 4 Tx slots		20.76	20.80	20.65	22.00	17.76	17.80	17.65

GSM900 ANT0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel	512	661	810	512	661	810	
	Frequency (MHz)	1850.2	1880	1909.8	1850.2	1880	1909.8	
GSM 1 Tx slot		29.86	30.02	29.80	30.50	20.86	21.02	20.80
GPRS 1 Tx slot		29.71	29.93	29.67	30.50	20.71	20.93	20.67
GPRS 2 Tx slots		26.30	26.32	26.23	27.00	20.30	20.32	20.23
GPRS 3 Tx slots		23.74	24.13	23.68	25.00	19.48	19.87	19.62
GPRS 4 Tx slots		22.22	22.51	22.38	24.00	19.22	19.51	19.39
EDGE 1 Tx slot		24.97	25.10	25.04	25.50	15.97	16.10	16.04
EDGE 2 Tx slots		23.37	23.45	23.31	24.00	17.37	17.45	17.31
EDGE 3 Tx slots		22.12	22.38	22.25	23.00	17.66	18.12	17.99
EDGE 4 Tx slots		19.88	20.12	19.78	20.50	16.88	17.12	16.78

Band		WCDMA I ANT0			Tune-up Limit (dBm)	WCDMA IV ANT0			Tune-up Limit (dBm)	WCDMA V ANT0			Tune-up Limit (dBm)
TX Channel		9692	9490	9538		1312	1413	1513		4192	4162	4233	
Rx Channel		9692	9690	9693		1537	1633	1738		4367	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	22.94	23.06	22.78	24.00	22.71	22.93	22.88	24.00	23.07	23.16	23.02	24.00
3GPP Rel 99	RMC 12.2Kbps	23.10	23.13	22.91	24.00	22.85	23.05	22.96	24.00	23.26	23.32	23.14	24.00
3GPP Rel 6	HSDPA Subtest-1	22.24	22.17	22.14	23.00	22.12	22.09	22.06	23.00	22.24	22.30	22.25	23.00
3GPP Rel 6	HSDPA Subtest-2	21.96	22.18	22.20	23.00	21.85	22.05	22.07	23.00	22.11	22.22	22.23	23.00
3GPP Rel 6	HSDPA Subtest-3	21.68	21.70	21.42	22.50	21.56	21.59	21.38	22.50	21.74	21.83	21.54	22.50
3GPP Rel 6	HSDPA Subtest-4	21.67	21.65	21.70	22.50	21.57	21.59	21.53	22.50	21.72	21.78	21.75	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.15	22.22	22.19	23.00	22.07	22.15	22.05	23.00	22.23	22.42	22.20	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.38	22.31	22.21	23.00	22.22	22.17	22.14	23.00	22.45	22.34	22.32	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.57	21.82	21.67	22.50	21.54	21.76	21.62	22.50	21.77	21.91	21.83	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.81	21.68	21.38	22.50	21.67	21.64	21.33	22.50	21.88	21.87	21.53	22.50
3GPP Rel 6	HSUPA Subtest-1	22.25	22.34	22.09	23.00	22.20	22.18	21.98	23.00	22.37	22.33	22.16	23.00
3GPP Rel 6	HSUPA Subtest-2	20.27	20.30	20.05	21.00	20.15	20.20	19.93	21.00	20.33	20.43	20.13	21.00
3GPP Rel 6	HSUPA Subtest-3	21.07	21.32	21.23	22.00	20.92	21.15	21.09	22.00	21.09	21.30	21.30	22.00
3GPP Rel 6	HSUPA Subtest-4	19.93	20.13	20.01	21.00	19.73	20.02	19.93	21.00	20.02	20.16	20.04	21.00
3GPP Rel 6	HSUPA Subtest-5	21.86	22.14	22.00	23.00	21.78	22.09	21.98	23.00	21.91	22.18	22.13	23.00



Band 2 Ant0 DS12 Simultaneous										
BW (MHz)	Modulation	RB Size	RB Offset	Chn	Power Chn 1 Chn 2	Power Chn 1 Chn 2	Power Chn 1 Chn 2	Turn-up Int (sec)	MPR (dB)	
Channel										
Frequency (MHz)										
20	QPSK	1	0	22	22.47	22.51	22.31			
20	QPSK	1	49	22	22.22	22.32	22.23	24	0	
20	QPSK	1	99	22	22.22	22.47	22.38			
20	QPSK	50	24	23	23.32	23.43	23.36			
20	QPSK	50	50	22	22.27	22.34	22.22	24	0	
20	QPSK	100	0	22	22.28	22.41	22.36			
10	16QAM	1	0	22	22.28	22.34	22.23			
10	16QAM	1	49	22	22.22	22.24	22.17	24	0	
10	16QAM	50	49	22	22.22	22.24	22.18			
10	16QAM	50	0	21	21.38	21.51	21.51			
10	16QAM	50	24	21	21.38	21.38	21.37	23	1	
10	16QAM	50	50	21	21.33	21.37	21.31			
10	16QAM	100	0	21	21.41	21.54	21.51			
20	QPSK	1	0	21	21.54	21.62	21.61			
20	QPSK	1	49	21	21.45	21.55	21.38	23	1	
20	QPSK	1	99	21	21.47	21.64	21.38			
20	QPSK	50	49	21	20.54	20.57	20.44			
20	QPSK	50	24	20	20.43	20.48	20.41	22	2	
20	QPSK	50	50	20	20.41	20.55	20.33			
20	QPSK	100	0	20	20.44	20.53	20.30			
20	256QAM	1	0	18	18.46	18.61	18.48			
20	256QAM	1	49	18	18.48	18.53	18.46	20	4	
20	256QAM	1	99	18	18.41	18.45	18.43			
20	256QAM	50	0	18	18.47	18.60	18.53			
20	256QAM	50	24	18	18.43	18.55	18.46	20	4	
20	256QAM	50	50	18	18.44	18.39	18.36			
20	256QAM	100	0	18	18.43	18.48	18.49			
Channel										
Frequency (MHz)	1867.5	1880.0	1915.0	Turn-up Int (sec)	MPR (dB)					
15	QPSK	1	0	22	22.40	22.48	22.29			
15	QPSK	1	24	22	22.30	22.39	22.27	24	0	
15	QPSK	1	74	22	22.32	22.37	22.29			
15	QPSK	36	0	22	22.28	22.42	22.38			
15	QPSK	36	36	22	22.17	22.30	22.17	24	0	
15	QPSK	36	39	22	22.20	22.37	22.18			
15	QPSK	75	0	22	22.18	22.39	22.30			
15	QPSK	75	37	22	22.12	22.31	22.24	24	0	
15	QPSK	1	0	21	21.54	21.61	21.61			
15	QPSK	1	24	21	21.51	21.58	21.51			
15	QPSK	1	74	21	21.48	21.56	21.47			
15	QPSK	36	0	21	21.36	21.46	21.34			
15	QPSK	36	36	21	21.28	21.31	21.23	23	1	
15	QPSK	36	39	21	21.25	21.31	21.21			
15	QPSK	75	0	21	21.35	21.49	21.47			
15	QPSK	75	37	21	21.29	21.48	21.37			
15	QPSK	1	0	20	20.43	20.55	20.33			
15	QPSK	1	24	20	20.37	20.48	20.35	22	2	
15	QPSK	1	74	20	20.38	20.50	20.48			
15	QPSK	50	0	20	20.34	20.39	20.32			
15	QPSK	50	24	20	20.36	20.45	20.43			
15	QPSK	50	50	20	20.34	20.38	20.32	20	4	
15	QPSK	100	0	20	20.37	20.46	20.44			
15	256QAM	1	0	18	18.41	18.58	18.41	20	4	
15	256QAM	1	37	18	18.42	18.44	18.40			
15	256QAM	50	74	18	18.43	18.55	18.40			
15	256QAM	36	20	18	18.35	18.42	18.40	20	4	
15	256QAM	75	39	18	18.41	18.42	18.40			
15	256QAM	75	0	18	18.41	18.42	18.40			
Channel										
Frequency (MHz)	1868.0	1880.0	1915.0	Turn-up Int (sec)	MPR (dB)					
10	QPSK	1	0	22	22.43	22.47	22.25			
10	QPSK	1	25	22	22.19	22.28	22.22	24	0	
10	QPSK	1	12	22	22.16	22.30	22.19			
10	QPSK	1	24	22	22.28	22.41	22.28			
10	QPSK	12	8	22	22.32	22.38	22.25			
10	QPSK	12	7	22	22.31	22.28	22.28	24	0	
10	QPSK	12	13	22	22.17	22.32	22.21			
10	QPSK	25	0	22	22.24	22.38	22.35			
10	QPSK	25	10	22	22.28	22.37	22.30			
10	16QAM	1	0	22	22.28	22.37	22.24			
10	16QAM	1	12	22	22.18	22.20	22.14	24	0	
10	16QAM	1	24	22	22.12	22.19	22.05			
10	16QAM	12	0	21	21.27	21.44	21.34			
10	16QAM	12	7	21	21.33	21.38	21.29	23	1	
10	16QAM	12	13	21	21.38	21.45	21.38			
10	16QAM	25	10	21	21.48	21.61	21.49			
10	16QAM	1	12	21	21.40	21.49	21.37	23	1	
10	16QAM	1	24	21	21.29	21.42	21.33			
10	16QAM	12	7	20	20.32	20.39	20.33	22	2	
10	16QAM	12	7	20	20.35	20.39	20.33			
10	16QAM	25	0	20	20.41	20.51	20.48			
10	16QAM	25	10	20	20.43	20.48	20.41	20	4	
10	16QAM	25	12	20	20.39	20.44	20.41			
10	16QAM	1	0	18	18.38	18.54	18.38	20	4	
10	16QAM	1	24	18	18.48	18.47	18.43			
10	16QAM	1	49	18	18.31	18.40	18.33			
10	16QAM	1	24	18	18.39	18.43	18.40			
10	16QAM	12	0	18	18.44	18.54	18.52			
10	16QAM	12	13	18	18.40	18.45	18.43	20	4	
10	16QAM	25	0	18	18.38	18.39	18.33			
10	256QAM	12	13	18	18.38	18.38	18.33			
10	256QAM	50	0	18	18.40	18.45	18.44			
Channel										
Frequency (MHz)	1869.0	1880.0	1900.5	Turn-up Int (sec)	MPR (dB)					
5	QPSK	1	0	22	22.37	22.50	22.23			
5	QPSK	1	24	22	22.32	22.45	22.24	24	0	
5	QPSK	1	14	22	22.32	22.45	22.25			
5	QPSK	8	0	22	22.24	22.35	22.27			
5	QPSK	8	14	22	22.31	22.32	22.24			
5	QPSK	8	7	22	22.26	22.27	22.19	24	0	
5	QPSK	15	0	22	22.25	22.36	22.25			
5	16QAM	1	8	22	22.24	22.14	22.16	24	0	
5	16QAM	1	14	22	22.17	22.12	22.04			
5	16QAM	8	7	21	21.31	21.41	21.30			
5	16QAM	8	4	21	21.31	21.31	21.27	23	1	
5	16QAM	15	7	21	21.36	21.50	21.45			
5	16QAM	1	0	21	21.80	21.86	21.44			
5	16QAM	1	14	21	21.82	21.83	21.33	23	1	
5	16QAM	1	14	21	21.32	21.40	21.25			
5	16QAM	8	0	20	20.48	20.50	20.43			
5	16QAM	8	7	20	20.41	20.38	20.34	22	2	
5	16QAM	8	7	20	20.38	20.30	20.22			
5	256QAM	1	0	18	18.42	18.45	18.39	20	4	
5	256QAM	1	14	18	18.43	18.52	18.39			
5	256QAM	8	14	18	18.41	18.46	18.40			
5	256QAM	8	4	18	18.36	18.42	18.38	20	4	
5	256QAM	8	7	18	18.41	18.37	18.39			
5	256QAM	15	0	18	18.38	18.39	18.33			
Channel										



Band 12 Ant0 DSI2 Simultaneous														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mode Ch / Freq.	Power High Ch / Freq.	Turn-on time (sec)	MPR (dB)						
Channel														
Frequency (MHz)														
10	QPSK	1	0	22.87	22.82	22.79	24	0						
10	QPSK	1	25	22.79	22.79	22.82								
10	QPSK	1	49	22.73	22.82	22.76								
10	QPSK	25	0	22.84	22.80	22.73								
10	QPSK	25	12	22.78	22.83	22.74	24	0						
10	QPSK	25	25	22.62	22.73	22.68								
10	QPSK	50	0	22.59	22.69	22.68								
10	16QAM	1	0	22.75	22.85	22.81								
10	16QAM	1	25	22.69	22.66	22.69	24	0						
10	16QAM	1	49	22.59	22.60	22.58								
10	16QAM	25	0	22.35	22.48	22.40								
10	16QAM	25	12	22.29	22.34	22.32								
10	16QAM	50	0	22.36	22.44	22.39	23.5	0.5						
10	16QAM	50	0	22.40	22.42	22.43								
10	16QAM	1	25	22.35	22.35	22.35								
10	64QAM	1	49	22.33	22.36	22.30								
10	64QAM	25	0	21.33	21.46	21.38	23.5	0.5						
10	64QAM	25	12	21.23	21.28	21.24								
10	64QAM	25	25	21.26	21.21	21.22								
10	64QAM	25	25	21.41	21.16	21.24								
10	256QAM	1	0	19.53	19.61	19.52	20.5	3.5						
10	256QAM	1	25	19.46	19.46	19.46								
10	256QAM	1	49	19.39	19.47	19.35								
10	256QAM	25	0	19.34	19.44	19.35								
10	256QAM	25	12	19.37	19.35	19.35	20.5	3.5						
10	256QAM	25	25	19.35	19.25	19.24								
10	256QAM	50	0	19.38	19.37	19.38								
10	256QAM	50	0	19.38	19.37	19.38								
Channel														
Frequency (MHz)														
5	QPSK	1	0	22.83	22.83	22.69	24	0						
5	QPSK	1	25	22.78	22.69	22.69								
5	QPSK	1	24	22.68	22.68	22.65								
5	QPSK	12	0	22.76	22.81	22.83								
5	QPSK	12	7	22.76	22.74	22.74	24	0						
5	QPSK	12	13	22.59	22.59	22.63								
5	QPSK	25	0	22.74	22.77	22.79								
5	16QAM	1	0	22.61	22.77	22.69								
5	16QAM	1	12	22.54	22.58	22.56	24	0						
5	16QAM	1	24	22.49	22.49	22.53								
5	16QAM	12	0	22.59	22.57	22.59								
5	16QAM	12	7	22.21	22.26	22.21								
5	16QAM	25	0	22.23	22.35	22.28	23.5	0.5						
5	16QAM	25	0	22.23	22.35	22.28								
5	64QAM	1	0	22.29	22.44	22.38								
5	64QAM	1	24	22.29	22.32	22.15								
5	64QAM	12	0	21.23	21.36	21.30	22.5	1.5						
5	64QAM	12	7	21.23	21.27	21.29								
5	64QAM	12	13	21.14	21.12	21.08								
5	64QAM	25	0	21.23	21.33	21.35								
5	256QAM	1	0	19.47	19.47	19.38	20.5	3.5						
5	256QAM	1	12	19.27	19.45	19.38								
5	256QAM	1	24	19.21	19.35	19.22								
5	256QAM	12	0	19.28	19.24	19.24								
5	256QAM	12	7	19.28	19.24	19.24	20.5	3.5						
5	256QAM	12	13	19.28	19.24	19.24								
5	256QAM	25	0	19.25	19.30	19.27								
5	256QAM	25	0	19.25	19.30	19.27								
Channel														
Frequency (MHz)														
3	QPSK	1	0	22.83	22.80	22.72	24	0						
3	QPSK	1	8	22.75	22.82	22.78								
3	QPSK	1	16	22.68	22.82	22.75								
3	QPSK	8	0	22.79	22.77	22.69								
3	QPSK	8	4	22.85	22.74	22.84	24	0						
3	QPSK	8	7	22.85	22.74	22.84								
3	QPSK	16	0	22.80	22.77	22.73								
3	16QAM	1	0	22.63	22.77	22.76								
3	16QAM	1	8	22.60	22.81	22.69	24	0						
3	16QAM	1	14	22.49	22.46	22.54								
3	16QAM	8	0	22.39	22.37	22.39								
3	16QAM	8	4	22.18	22.39	22.22								
3	16QAM	8	7	22.24	22.27	22.07	23.5	0.5						
3	16QAM	16	0	22.34	22.37	22.30								
3	16QAM	16	0	22.32	22.45	22.30								
3	64QAM	1	8	22.29	22.25	22.24								
3	64QAM	1	14	22.28	22.29	22.18	23.5	0.5						
3	64QAM	8	0	21.25	21.41	21.30								
3	64QAM	8	4	21.16	21.14	21.09								
3	64QAM	8	7	21.18	21.15	21.15								
3	64QAM	15	0	21.27	21.36	21.33	22.5	1.5						
3	64QAM	15	0	21.27	21.36	21.33								
3	256QAM	1	0	19.49	19.56	19.42								
3	256QAM	1	8	19.37	19.56	19.30								
3	256QAM	1	14	19.28	19.40	19.25	20.5	3.5						
3	256QAM	8	0	19.22	19.28	19.32								
3	256QAM	8	4	19.22	19.24	19.14								
3	256QAM	8	7	19.10	19.16	19.14								
3	256QAM	15	0	19.24	19.25	19.24								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	22.83	22.80	22.72	24	0						
1.4	QPSK	1	3	22.86	22.84	22.73								
1.4	QPSK	1	5	22.89	22.75	22.69								
1.4	QPSK	1	8	22.80	22.70	22.67								
1.4	QPSK	3	1	22.81	22.65	22.64	24	0						
1.4	QPSK	3	3	22.75	22.75	22.77								
1.4	QPSK	3	5	22.75	22.75	22.77								
1.4	QPSK	6	0	22.63	22.76	22.71								
1.4	16QAM	1	0	22.63	22.78	22.71	24	0						
1.4	16QAM	1	3	22.59	22.52	22.66								
1.4	16QAM	1	5	22.63	22.56	22.50								
1.4	16QAM	3	0	22.21	22.43	22.28								
1.4	16QAM	3	1	22.20	22.26	22.21	23.5	0.5						
1.4	16QAM	3	3	22.26	22.31	22.09								
1.4	16QAM	8	0	22.32	22.41	22.31								
1.4	16QAM	8	3	22.36	22.51	22.37								
1.4	64QAM	1	3	22.29	22.27	22.30	23.5	0.5						
1.4	64QAM	1	5	22.23	22.34	22.18								
1.4	64QAM	3	1	22.27	22.34	22.31								
1.4	64QAM	3	1	22.10	22.22	22.16								
1.4	64QAM	3	3	22.14	22.08	22.13	22.5	1.5						
1.4	64QAM	3	5	21.23	21.50	21.25								
1.4	64QAM	3	8	19.40	19.50	19.40								
1.4	256QAM	1	3	19.41	19.49	19.39	20.5	3.5						
1.4	256QAM	1	5	19.35	19.41	19.24								
1.4	256QAM	1	8	19.22	19.38	19.21								
1.4	256QAM	3	1	19.21	19.24	19.20								
1.4	256QAM	3	2	19.06	19.11	19.02	20.5	3.5						
1.4	256QAM	3	5	19.02	19.08	19.02								
1.4	256QAM	3	8	18.98	19.04	18.98								
1.4	256QAM	3	11	18.94	18.94	18.94								
1.4	256QAM	3	14	18.94	18.94	18.94								
1.4	256QAM	3	17	18.94	18.94	18.94								



Band 26 Ant0 DS12 Simultaneous														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mode Ch / Freq	Power High Ch / Freq	Tune-up Int. (sec)	MPE (dB)						
Channel														
Frequency (MHz)														
15	QPSK	1	0	22.19	22.18	22.43	24	0						
15	QPSK	1	37	22.42	22.42	22.43								
15	QPSK	1	74	22.38	22.38	22.38								
15	QPSK	36	0	22.49	22.54	22.59								
15	QPSK	36	20	22.35	22.43	22.34	24	0						
15	QPSK	36	39	22.41	22.47	22.38								
15	QPSK	75	0	22.26	22.40	22.32								
15	HQAM	1	0	22.41	22.55	22.43								
15	HQAM	1	37	22.42	22.46	22.41	24	0						
15	HQAM	1	74	22.37	22.39	22.38								
15	HQAM	36	0	21.94	22.03	21.99								
15	HQAM	36	20	21.97	21.97	21.91								
15	HQAM	36	39	21.79	21.86	21.81	23.5	0.5						
15	HQAM	75	0	21.94	21.94	21.89								
15	HQAM	1	24	21.95	22.04	21.92								
15	HQAM	1	37	21.93	21.95	21.93								
15	HQAM	1	74	21.79	21.85	21.79	23.5	0.5						
15	HQAM	36	0	20.99	20.97	20.95								
15	HQAM	36	20	20.80	20.80	20.81								
15	HQAM	36	39	20.75	20.81	20.78								
15	HQAM	75	0	20.93	20.99	20.90	22.5	1.5						
15	25SQAM	1	0	19.00	19.07	19.09								
15	25SQAM	1	37	18.94	18.90	18.93								
15	25SQAM	1	74	18.82	18.86	18.85								
15	25SQAM	36	0	18.89	18.98	18.85	20.5	3.5						
15	25SQAM	36	20	18.82	18.82	18.79								
15	25SQAM	36	39	18.74	18.74	18.68								
15	25SQAM	75	0	18.80	18.87	18.79								
Channel														
Frequency (MHz)														
10	QPSK	1	0	22.53	22.57	22.39	24	0						
10	QPSK	1	25	22.57	22.59	22.39								
10	QPSK	1	48	22.24	22.38	22.32								
10	QPSK	25	0	22.38	22.43	22.39								
10	QPSK	25	12	22.53	22.51	22.32	24	0						
10	QPSK	25	25	22.34	22.40	22.38								
10	QPSK	50	0	22.13	22.26	22.23								
10	HQAM	1	0	22.37	22.44	22.32								
10	HQAM	1	25	22.31	22.33	22.27	24	0						
10	HQAM	1	49	22.27	22.26	22.21								
10	HQAM	25	0	21.84	21.99	21.84								
10	HQAM	25	12	21.75	21.77	21.62								
10	HQAM	50	0	21.74	21.85	21.62	23.5	0.5						
10	HQAM	50	0	21.79	21.86	21.77								
10	HQAM	1	0	21.88	21.94	21.84								
10	HQAM	1	25	21.82	21.88	21.77								
10	HQAM	1	49	21.70	21.74	21.65	23.5	0.5						
10	HQAM	25	0	20.82	20.90	20.80								
10	HQAM	25	12	20.75	20.77	20.62								
10	HQAM	25	25	20.82	20.75	20.72								
10	HQAM	50	0	20.89	20.94	20.83	22.5	1.5						
10	25SQAM	1	0	18.96	18.99	18.96								
10	25SQAM	1	25	18.88	18.78	18.78								
10	25SQAM	1	49	18.74	18.77	18.76								
10	25SQAM	25	0	18.74	18.75	18.61	20.5	3.5						
10	25SQAM	25	12	18.75	18.75	18.61								
10	25SQAM	25	25	18.74	18.65	18.64								
10	25SQAM	50	0	18.65	18.78	18.68								
Channel														
Frequency (MHz)														
5	QPSK	1	0	22.48	22.50	22.40	24	0						
5	QPSK	1	12	22.38	22.45	22.37								
5	QPSK	1	24	22.25	22.36	22.32								
5	QPSK	12	0	22.43	22.45	22.43								
5	QPSK	12	7	22.24	22.38	22.27	24	0						
5	QPSK	12	14	22.31	22.41	22.25								
5	QPSK	25	0	22.20	22.34	22.19								
5	HQAM	1	0	22.28	22.52	22.30								
5	HQAM	1	12	22.38	22.38	22.32	24	0						
5	HQAM	1	24	22.29	22.35	22.19								
5	HQAM	12	0	21.86	21.99	21.74								
5	HQAM	12	7	21.73	21.73	21.62								
5	HQAM	12	14	21.64	21.77	21.66	23.5	0.5						
5	HQAM	25	0	21.71	21.88	21.75								
5	HQAM	25	0	21.81	21.96	21.86								
5	HQAM	1	12	21.84	21.77	21.71								
5	HQAM	1	24	21.65	21.72	21.71	23.5	0.5						
5	HQAM	12	0	20.83	20.86	20.71								
5	HQAM	12	7	20.70	20.68	20.72								
5	HQAM	12	14	20.63	20.68	20.67								
5	HQAM	25	0	20.84	20.86	20.78	22.5	1.5						
5	25SQAM	1	0	18.86	18.98	18.81								
5	25SQAM	1	12	18.89	18.80	18.81								
5	25SQAM	1	24	18.73	18.82	18.71								
5	25SQAM	12	0	18.85	18.86	18.78	20.5	3.5						
5	25SQAM	12	7	18.85	18.85	18.78								
5	25SQAM	12	14	18.74	18.73	18.70								
5	25SQAM	25	0	18.74	18.66	18.64								
5	25SQAM	25	12	18.74	18.66	18.64								
Channel														
Frequency (MHz)														
3	QPSK	1	0	22.15	22.13	22.17	24	0						
3	QPSK	1	8	22.39	22.37	22.31								
3	QPSK	1	14	22.50	22.41	22.25								
3	QPSK	8	0	22.45	22.48	22.45								
3	QPSK	8	4	22.30	22.31	22.25	24	0						
3	QPSK	8	7	22.52	22.34	22.26								
3	QPSK	16	0	22.12	22.37	22.17								
3	HQAM	1	0	22.36	22.44	22.34								
3	HQAM	1	8	22.30	22.40	22.27	24	0						
3	HQAM	1	14	22.31	22.28	22.14								
3	HQAM	8	0	21.82	21.96	21.79								
3	HQAM	8	4	21.94	21.78	21.78								
3	HQAM	8	7	21.71	21.76	21.75	23.5	0.5						
3	HQAM	16	0	21.74	21.82	21.65								
3	HQAM	16	0	21.80	22.00	21.67								
3	HQAM	1	8	21.78	21.81	21.68								
3	HQAM	1	14	21.65	21.70	21.68	23.5	0.5						
3	HQAM	8	8	20.78	20.93	20.73								
3	HQAM	8	4	20.89	20.68	20.70								
3	HQAM	8	7	20.84	20.68	20.65								
3	HQAM	16	0	20.83	20.94	20.81	20.5	3.5						
3	25SQAM	1	0	19.94	19.92	19.94								
3	25SQAM	1	8	19.83	19.86	19.86								
3	25SQAM	1	14	18.74	18.82	18.71								
3	25SQAM	8	0	18.94	18.90	18.81	20.5	3.5						
3	25SQAM	8	4	18.77	18.86	18.84								
3	25SQAM	8	7	18.68	18.73	18.70								
3	25SQAM	16	0	18.70	18.79	18.74								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	22.48	22.52	22.38	24	0						
1.4	QPSK	1	3	22.33	22.47	22.29								
1.4	QPSK	1	24	22.24	22.38	22.22								
1.4	QPSK	3	0	22.44	22.47	22.42								
1.4	QPSK	3	0	22.47	22.50	22.42	24	0						
1.4	QPSK	3	3	22.26	22.35	22.25								
1.4	QPSK	3	24	22.22	22.35	22.22								
1.4	HQAM	1	0	22.18	22.32	22.28								
1.4	HQAM	1	3	22.33	22.45	22.33	24	0						
1.4	HQAM	1	24	22.21	22.35	22.27								
1.4	HQAM	3	0	22.31	22.29	22.18								
1.4	HQAM	3	3	22.40	22.38	22.29								
1.4	HQAM	1	3	22.24	22.25	22.22	23.5	0.5						
1.4	HQAM	3	3	21.72	21.74	21.76								
1.4	HQAM	1	24	21.74	21.81	21.74								
1.4	HQAM	3	24	21.67	21.75	21.75								
1.4	HQAM	3	3	21.71	21.68	21.65	22.5	1.5						
1.4	HQAM	3	3	20.88	20.91	20.89								
1.4	25SQAM	1	0	18.90	18.78	18.86								
1.4	25SQAM	1	3	18.74	18.75	18.74								
1.4	25SQAM	1	24	18.76	18.76	18.74	20.5	3.5						
1.4	25SQAM	3	0	18.76	18.72	18.69								
1.4	25SQAM	3	3	18.79	18.64	18.69								
1.4	25SQAM	3	24	18.78	18.74	18.74								
1.4	25SQAM	3	3	18.76	18.72	18.69								
1.4	25SQAM	3	3	18.79	18.64	18.69								

Band 38 PC3 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	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	23.06	23.19	23.04	24	0	
20	QPSK	1	49	23.00	23.08	22.93			
20	QPSK	1	99	23.01	23.04	22.91			
20	QPSK	50	0	23.05	23.08	23.00			
20	QPSK	50	24	22.87	22.85	22.87	24	0	
20	QPSK	50	50	23.00	23.05	23.00			
20	QPSK	100	0	22.98	23.05	22.97			
20	16QAM	1	0	22.98	23.05	22.97			
20	16QAM	1	49	22.92	23.07	22.95	24	0	
20	16QAM	1	99	22.86	23.03	23.01			
20	16QAM	50	0	22.93	23.06	22.95			
20	16QAM	50	24	22.98	23.12	23.05			
20	16QAM	50	50	23.01	23.08	23.03	24	0	
20	16QAM	100	0	22.92	23.06	22.97			
20	64QAM	1	0	22.97	23.15	22.99			
20	64QAM	1	49	22.94	23.05	22.99		24	0
20	64QAM	1	99	23.06	23.13	22.98			
20	64QAM	50	0	22.87	23.00	22.97			
20	64QAM	50	24	23.05	23.11	23.07	24	0	
20	64QAM	50	50	23.06	23.09	22.94			
20	64QAM	100	0	22.97	23.07	23.02			
20	256QAM	1	0	20.93	20.99	20.84	22	2	
20	256QAM	1	49	20.84	20.98	20.85			
20	256QAM	1	99	21.01	21.06	20.91			
20	256QAM	50	0	20.97	21.08	20.94			
20	256QAM	50	24	21.06	21.11	20.97	22	2	
20	256QAM	50	50	20.95	21.05	20.91			
20	256QAM	100	0	20.96	21.07	20.92			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	22.91	23.08	22.89	24	0	
15	QPSK	1	37	22.85	23.04	22.76			
15	QPSK	1	74	22.90	22.86	22.76			
15	QPSK	36	0	22.85	23.02	22.85			
15	QPSK	36	20	22.78	22.90	22.72	24	0	
15	QPSK	36	39	22.85	23.01	22.83			
15	QPSK	75	0	22.93	23.01	22.88			
15	16QAM	1	0	22.81	22.95	22.87			
15	16QAM	1	37	22.88	22.98	22.90	24	0	
15	16QAM	1	74	22.72	22.97	22.98			
15	16QAM	36	0	22.86	22.90	22.79			
15	16QAM	36	20	22.94	22.95	23.02			
15	16QAM	36	39	22.92	23.04	22.97	24	0	
15	16QAM	75	0	22.79	23.01	22.89			
15	64QAM	1	0	22.81	23.01	22.85			
15	64QAM	1	37	22.83	23.01	22.89		24	0
15	64QAM	1	74	22.93	23.01	22.94			
15	64QAM	36	0	22.69	22.83	22.83			
15	64QAM	36	20	22.99	23.02	23.05			
15	64QAM	36	39	22.98	23.04	22.85	24	0	
15	64QAM	75	0	22.82	22.99	22.98			
15	256QAM	1	0	20.77	20.94	20.68			
15	256QAM	1	37	20.75	20.82	20.76		22	2
15	256QAM	1	74	20.86	20.91	20.77			
15	256QAM	36	0	20.91	20.84	20.83			
15	256QAM	36	20	20.99	21.08	20.81	22	2	
15	256QAM	36	39	20.86	20.88	20.77			
15	256QAM	75	0	20.82	21.03	20.86			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	22.99	23.02	22.89	24	0	
10	QPSK	1	25	22.82	23.03	22.86			
10	QPSK	1	49	22.96	22.93	22.84			
10	QPSK	25	0	22.95	22.97	22.84			
10	QPSK	25	12	22.81	22.77	22.82	24	0	
10	QPSK	25	25	22.92	22.95	22.84			
10	QPSK	50	0	22.87	22.94	22.90			
10	16QAM	1	0	22.91	22.98	22.86			
10	16QAM	1	25	22.76	22.91	22.89	24	0	
10	16QAM	1	49	22.79	22.99	22.95			
10	16QAM	25	0	22.90	22.99	22.78			
10	16QAM	25	12	22.86	23.08	22.98		24	0
10	16QAM	25	25	22.94	22.91	22.92			
10	16QAM	50	0	22.75	22.89	22.91			
10	64QAM	1	0	22.80	23.04	22.91	24	0	
10	64QAM	1	25	22.79	22.91	22.86			
10	64QAM	1	49	22.93	23.02	22.89			
10	64QAM	25	0	22.72	22.97	22.94			
10	64QAM	25	12	22.88	23.00	22.95	24	0	
10	64QAM	25	25	22.89	23.07	22.77			
10	64QAM	50	0	22.79	22.95	22.94			
10	256QAM	1	0	20.80	20.87	20.71	22	2	
10	256QAM	1	25	20.72	20.84	20.72			
10	256QAM	1	49	20.97	20.97	20.75			
10	256QAM	25	0	20.93	21.04	20.90			
10	256QAM	25	12	20.95	20.98	20.85	22	2	
10	256QAM	25	25	20.82	20.88	20.86			
10	256QAM	50	0	20.82	21.00	20.82			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	22.95	23.15	22.94	24	0	
5	QPSK	1	12	22.87	22.96	22.80			
5	QPSK	1	24	22.85	22.92	22.83			
5	QPSK	12	0	22.96	23.03	22.84			
5	QPSK	12	7	22.77	22.79	22.78	24	0	
5	QPSK	12	13	22.88	22.89	22.86			
5	QPSK	25	0	22.96	22.96	22.87			
5	16QAM	1	0	22.92	22.89	22.82			
5	16QAM	1	12	22.75	23.05	22.88	24	0	
5	16QAM	1	24	22.76	22.92	22.86			
5	16QAM	12	0	22.80	22.91	22.81			
5	16QAM	12	7	22.86	23.02	23.01		24	0
5	16QAM	12	13	22.83	22.92	22.89			
5	16QAM	25	0	22.74	23.00	22.84			
5	64QAM	1	0	22.94	23.10	22.84	24	0	
5	64QAM	1	12	22.91	22.93	22.90			
5	64QAM	1	24	22.91	23.06	22.82			
5	64QAM	12	0	22.70	22.98	22.88			
5	64QAM	12	7	22.97	22.96	23.04	24	0	
5	64QAM	12	13	22.94	22.94	22.76			
5	64QAM	25	0	22.81	22.89	22.91			
5	256QAM	1	0	20.77	20.85	20.68		22	2
5	256QAM	1	12	20.74	20.86	20.74			
5	256QAM	1	24	20.86	21.02	20.85			
5	256QAM	12	0	20.85	21.03	20.88			
5	256QAM	12	7	20.97	21.01	20.94	22	2	
5	256QAM	12	13	20.86	21.01	20.78			
5	256QAM	25	0	20.82	20.91	20.75			

Band 38 PC2 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	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	25.45	25.62	25.55	27	0	
20	QPSK	1	49	25.45	25.56	25.46			
20	QPSK	1	99	25.40	25.51	25.38			
20	QPSK	50	0	25.45	25.60	25.49			
20	QPSK	50	24	25.49	25.53	25.43	27	0	
20	QPSK	50	50	25.51	25.55	25.46			
20	QPSK	100	0	25.54	25.59	25.46			
20	QPSK	1	0	25.55	25.58	25.46			
20	16QAM	1	49	25.43	25.46	25.43	27	0	
20	16QAM	1	99	25.27	25.45	25.33			
20	16QAM	50	0	25.38	25.49	25.31			
20	16QAM	50	24	25.35	25.45	25.34			
20	16QAM	50	50	25.34	25.42	25.36	27	0	
20	16QAM	100	0	25.27	25.45	25.35			
20	16QAM	1	0	25.43	25.59	25.46			
20	64QAM	1	49	25.42	25.49	25.41			
20	64QAM	1	99	25.31	25.41	25.29	27	0	
20	64QAM	50	0	25.37	25.46	25.30			
20	64QAM	50	24	25.32	25.48	25.30			
20	64QAM	50	50	25.28	25.44	25.38			
20	64QAM	100	0	25.33	25.42	25.25	27	0	
20	256QAM	1	0	24.14	24.31	24.27			
20	256QAM	1	49	24.23	24.30	24.26			
20	256QAM	1	99	24.15	24.28	24.21			
20	256QAM	50	0	23.98	24.13	24.01	25	2	
20	256QAM	50	24	24.18	24.27	24.10			
20	256QAM	50	50	24.19	24.24	24.17			
20	256QAM	100	0	24.10	24.22	24.17			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	25.41	25.51	25.49			
15	QPSK	1	37	25.29	25.50	25.37			
15	QPSK	1	74	25.32	25.48	25.28			
15	QPSK	38	0	25.38	25.56	25.33			
15	QPSK	38	38	25.43	25.46	25.27	27	0	
15	QPSK	75	0	25.50	25.52	25.41			
15	16QAM	1	0	25.49	25.49	25.35			
15	16QAM	1	37	25.31	25.41	25.31			
15	16QAM	1	74	25.13	25.32	25.17	27	0	
15	16QAM	38	0	25.25	25.44	25.29			
15	16QAM	38	20	25.22	25.36	25.19			
15	16QAM	38	38	25.25	25.33	25.32			
15	16QAM	75	0	25.16	25.29	25.26	27	0	
15	64QAM	1	0	25.39	25.46	25.36			
15	64QAM	1	37	25.31	25.45	25.28			
15	64QAM	1	74	25.15	25.36	25.17			
15	64QAM	38	0	25.20	25.28	25.28	27	0	
15	64QAM	38	20	25.23	25.36	25.13			
15	64QAM	38	38	25.22	25.29	25.32			
15	64QAM	75	0	25.29	25.37	25.12			
15	256QAM	1	0	24.03	24.20	24.20	25	2	
15	256QAM	1	37	24.05	24.14	24.22			
15	256QAM	1	74	24.06	24.14	24.04			
15	256QAM	38	0	23.96	24.10	23.95			
15	256QAM	38	20	24.09	24.16	24.02	25	2	
15	256QAM	38	38	24.10	24.20	24.14			
15	256QAM	75	0	23.97	24.05	24.12			
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	25.38	25.44	25.43			
10	QPSK	1	25	25.28	25.53	25.41			
10	QPSK	1	49	25.37	25.46	25.27			
10	QPSK	25	0	25.36	25.43	25.40			
10	QPSK	25	12	25.31	25.48	25.27	27	0	
10	QPSK	25	25	25.45	25.52	25.29			
10	QPSK	50	0	25.44	25.54	25.50			
10	16QAM	1	0	25.40	25.43	25.39			
10	16QAM	1	25	25.30	25.44	25.28	27	0	
10	16QAM	1	49	25.14	25.29	25.24			
10	16QAM	25	0	25.33	25.43	25.26			
10	16QAM	25	12	25.24	25.28	25.23			
10	16QAM	25	25	25.31	25.30	25.18	27	0	
10	16QAM	50	0	25.12	25.30	25.26			
10	16QAM	50	0	25.39	25.54	25.30			
10	64QAM	1	25	25.34	25.39	25.38			
10	64QAM	1	49	25.19	25.25	25.11	27	0	
10	64QAM	25	0	25.20	25.35	25.14			
10	64QAM	25	12	25.23	25.32	25.23			
10	64QAM	25	25	25.20	25.33	25.28			
10	64QAM	50	0	25.21	25.36	25.18	27	0	
10	256QAM	1	0	23.98	24.14	24.20			
10	256QAM	1	25	24.16	24.16	24.15			
10	256QAM	1	49	24.03	24.12	24.09			
10	256QAM	25	0	23.96	24.11	23.86	25	2	
10	256QAM	25	12	24.06	24.10	24.05			
10	256QAM	25	25	24.09	24.16	24.01			
10	256QAM	50	0	23.98	24.13	24.14			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	25.34	25.46	25.44			
5	QPSK	1	12	25.35	25.43	25.32			
5	QPSK	1	24	25.35	25.36	25.33			
5	QPSK	12	0	25.36	25.53	25.47			
5	QPSK	12	7	25.41	25.36	25.38	27	0	
5	QPSK	12	13	25.44	25.48	25.28			
5	QPSK	25	0	25.48	25.57	25.43			
5	16QAM	1	0	25.48	25.46	25.32			
5	16QAM	1	12	25.33	25.42	25.39	27	0	
5	16QAM	1	24	25.22	25.40	25.25			
5	16QAM	12	0	25.33	25.32	25.17			
5	16QAM	12	7	25.24	25.42	25.30			
5	16QAM	12	13	25.25	25.35	25.22	27	0	
5	16QAM	25	0	25.17	25.41	25.21			
5	64QAM	1	0	25.38	25.57	25.28			
5	64QAM	1	12	25.32	25.40	25.27			
5	64QAM	1	24	25.29	25.35	25.18	27	0	
5	64QAM	12	0	25.30	25.33	25.13			
5	64QAM	12	7	25.25	25.46	25.27			
5	64QAM	12	13	25.18	25.30	25.28			
5	64QAM	25	0	25.19	25.32	25.15	25	2	
5	256QAM	1	0	24.04	24.17	24.20			
5	256QAM	1	12	24.15	24.24	24.18			
5	256QAM	1	24	24.11	24.14	24.05			
5	256QAM	12	0	23.98	24.00	23.88	25	2	
5	256QAM	12	7	24.14	24.17	24.07			
5	256QAM	12	13	24.05	24.09	24.06			
5	256QAM	25	0	24.03	24.19	24.14			

Band 41 PC3 Ant0 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	40188	40620	41055	41490	24	0	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	22.91	23.04	23.20	22.98	22.79	24	0	
20	QPSK	1	49	22.90	22.95	23.08	22.96	22.77			
20	QPSK	1	99	22.92	22.90	23.07	22.96	22.85			
20	QPSK	50	0	23.09	23.01	23.17	23.13	23.00			
20	QPSK	50	24	23.07	23.10	23.13	23.04	22.88			
20	QPSK	50	50	23.07	23.08	23.12	23.08	22.89	24	0	
20	QPSK	100	0	23.11	23.02	23.16	23.10	22.99			
20	16QAM	1	0	23.05	22.99	23.12	22.94	22.88			
20	16QAM	1	49	22.90	22.94	23.07	23.04	22.88			
20	16QAM	1	99	23.07	22.96	23.11	22.95	22.81			
20	16QAM	50	0	23.01	23.03	23.14	23.05	22.91	24	0	
20	16QAM	50	24	23.11	23.11	23.17	23.10	22.98			
20	16QAM	50	50	23.03	23.05	23.09	23.04	22.78			
20	16QAM	100	0	22.93	23.00	23.11	23.00	22.78			
20	64QAM	1	0	22.97	22.89	23.06	22.98	22.78	24	0	
20	64QAM	1	49	23.14	23.01	23.17	23.13	22.84			
20	64QAM	1	99	22.96	23.06	23.12	23.06	22.82			
20	64QAM	50	0	23.10	23.10	23.15	23.11	22.96			
20	64QAM	50	24	22.93	22.96	23.02	22.93	22.75			
20	64QAM	50	50	22.96	22.99	23.10	23.00	22.80	24	0	
20	64QAM	100	0	23.15	23.11	23.18	23.16	22.91			
20	256QAM	1	0	21.05	21.05	21.16	20.99	20.91			
20	256QAM	1	49	21.05	21.05	21.12	21.02	20.88			
20	256QAM	1	99	21.02	21.02	21.05	20.90	20.87			
20	256QAM	50	0	20.96	20.97	21.10	20.94	20.86	22	2	
20	256QAM	50	24	20.89	20.99	21.03	20.91	20.78			
20	256QAM	50	50	21.10	21.05	21.14	21.11	20.91			
20	256QAM	100	0	21.14	21.12	21.19	21.16	20.99			
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	24.00	0	
15	QPSK	1	0	22.85	22.93	23.08	22.88	22.73	24	0	
15	QPSK	1	37	22.73	22.83	23.03	22.82	22.65			
15	QPSK	1	74	22.77	22.83	22.98	22.89	22.72			
15	QPSK	36	0	22.82	22.86	23.02	22.92	22.77			
15	QPSK	36	20	22.84	22.98	22.99	22.92	22.77			
15	QPSK	36	39	23.02	22.91	23.03	22.98	22.87	24	0	
15	QPSK	75	0	23.01	22.88	23.03	22.95	22.94			
15	16QAM	1	0	22.96	22.95	23.05	22.91	22.77			
15	16QAM	1	37	22.77	22.76	22.94	22.87	22.75			
15	16QAM	1	74	22.50	22.83	22.88	22.88	22.74			
15	16QAM	36	0	22.85	22.86	23.05	22.90	22.89	24	0	
15	16QAM	36	20	22.95	23.08	23.11	23.00	22.90			
15	16QAM	36	39	22.94	23.02	22.96	22.95	22.63			
15	16QAM	75	0	22.91	22.97	22.94	22.91	22.72			
15	64QAM	1	0	22.88	22.77	23.00	22.84	22.70	24	0	
15	64QAM	1	37	23.03	22.85	23.14	23.10	22.80			
15	64QAM	1	74	22.84	23.03	22.98	22.92	22.76			
15	64QAM	36	0	22.86	23.08	23.07	22.94	22.83			
15	64QAM	36	20	22.84	22.86	22.96	22.86	22.61			
15	64QAM	36	39	22.90	22.93	23.06	22.86	22.72	24	0	
15	64QAM	75	0	23.02	22.99	23.01	22.99	22.81			
15	256QAM	1	0	20.88	21.02	21.01	20.88	20.76			
15	256QAM	1	37	20.97	20.96	20.96	20.87	20.75			
15	256QAM	1	74	20.98	20.93	20.87	20.79	20.75			
15	256QAM	36	0	20.87	20.88	21.06	20.78	20.74	22	2	
15	256QAM	36	20	20.85	20.88	21.00	20.75	20.74			
15	256QAM	36	39	20.98	20.90	20.97	20.93	20.78			
15	256QAM	75	0	21.03	20.97	21.04	20.98	20.85			
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501	2547	2593	2639	2685	24.00	0	
10	QPSK	1	0	22.81	23.02	23.06	22.83	22.64	24	0	
10	QPSK	1	25	22.80	22.78	22.92	22.85	22.75			
10	QPSK	1	49	22.75	22.75	22.92	22.93	22.68			
10	QPSK	25	0	22.95	22.83	23.01	23.01	22.87			
10	QPSK	25	12	22.94	23.04	22.95	22.93	22.74			
10	QPSK	25	25	23.04	22.98	23.07	23.04	22.71	24	0	
10	QPSK	50	0	23.04	22.99	23.05	22.98	22.83			
10	16QAM	1	0	22.99	22.87	22.95	22.83	22.83			
10	16QAM	1	25	22.82	22.79	23.04	22.99	22.71			
10	16QAM	1	49	23.02	22.82	22.98	22.92	22.69			
10	16QAM	25	0	22.90	22.94	22.99	22.91	22.88	24	0	
10	16QAM	25	12	23.01	22.96	23.05	23.04	22.85			
10	16QAM	25	25	22.86	22.95	23.00	22.95	22.63			
10	16QAM	50	0	22.90	22.96	23.03	22.92	22.72			
10	64QAM	1	0	22.93	22.76	22.98	22.90	22.72			
10	64QAM	1	25	23.00	22.99	23.13	23.10	22.71	24	0	
10	64QAM	1	49	22.85	22.71	23.02	22.97	22.72			
10	64QAM	25	0	22.98	23.04	22.97	22.99	22.92			
10	64QAM	25	12	22.87	22.79	22.98	22.86	22.68			
10	64QAM	25	25	22.88	22.93	22.97	22.92	22.70			
10	64QAM	50	0	23.11	23.06	23.12	23.00	22.87	22	2	
10	256QAM	1	0	20.92	20.99	20.98	20.82	20.84			
10	256QAM	1	25	21.00	20.88	20.95	20.87	20.71			
10	256QAM	1	49	20.89	20.87	20.93	20.72	20.76			
10	256QAM	25	0	20.80	20.84	20.97	20.88	20.72			
10	256QAM	25	12	20.73	20.85	20.89	20.89	20.63	22	2	
10	256QAM	25	25	20.98	21.03	20.98	20.98	20.76			
10	256QAM	50	0	21.02	21.02	21.03	21.07	20.85			
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2498.5	2545.8	2593	2640.0	2687.5	24.00	0	
5	QPSK	1	0	22.81	22.92	23.16	22.85	22.71	24	0	
5	QPSK	1	12	22.85	22.82	22.94	22.90	22.68			
5	QPSK	1	24	22.83	22.76	22.98	22.86	22.76			
5	QPSK	12	0	22.99	22.88	23.06	23.02	22.93			
5	QPSK	12	7	22.95	22.93	23.10	22.91	22.71			
5	QPSK	12	13	23.00	23.05	23.08	22.96	22.83	24	0	
5	QPSK	25	0	23.00	22.95	23.06	23.11	22.94			
5	16QAM	1	0	22.97	22.84	23.01	22.85	22.72			
5	16QAM	1	12	22.80	22.77	23.00	22.96	22.78			
5	16QAM	1	24	22.90	22.94	22.96	22.89	22.65			
5	16QAM	12	0	22.89	22.89	23.05	22.95	22.76	24	0	
5	16QAM	12	7	22.99	22.93	23.02	23.00	22.90			
5	16QAM	12	13	22.87	22.88	22.96	22.87	22.71			
5	16QAM	25	0	22.79	22.93	23.00	22.86	22.61			
5	64QAM	1	0	22.86	22.77	23.01	22.86	22.73	24	0	
5	64QAM	1	12	22.99	22.99	23.03	23.10	22.74			
5	64QAM	1	24	22.93	22.98	22.98	22.92	22.85			
5	64QAM	12	0	23.05	22.99	23.06	23.08	22.80			
5	64QAM	12	7	22.82	22.89	22.94	22.81	22.62			
5	64QAM	12	13	22.86	22.84	23.05	22.82	22.73	24	0	
5	64QAM	25	0	23.12	23.00	23.05	23.03	22.84			
5	256QAM	1	0	21.02	21.03	21.14	20.90	20.81			
5	256QAM	1	12	20.96	20.88	20.96	20.92	20.80			
5	256QAM	1	24	20.93	20.94	20.93	20.81	20.73			
5	256QAM	12	0	20.86	20.82	21.02	20.80	20.76	22	2	
5	256QAM	12	7	20.85	20.82	20.98	20.89	20.68			
5	256QAM	12	13	21.02	21.03	21.09	21.02	20.86			
5	256QAM	25	0	21.02	21.00	21.08	21.12	20.94			

GSM850 Ant1 DS2 Simultaneous

TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.6		824.2	836.4	848.6	
GSM 1 Tx slot	30.81	30.95	30.73	32.20	21.81	21.95	21.73	23.20
GPRS 1 Tx slot	30.69	30.82	30.51	32.20	21.69	21.82	21.51	23.20
GPRS 2 Tx slots	27.65	27.68	27.43	29.20	21.65	21.68	21.43	23.20
GPRS 3 Tx slots	25.00	25.12	24.76	25.80	20.74	20.86	20.50	21.54
GPRS 4 Tx slots	24.30	24.36	24.21	26.20	21.30	21.36	21.21	23.20
EDGE 1 Tx slot	25.22	25.27	24.90	26.50	16.22	16.27	15.90	17.50
EDGE 2 Tx slots	23.49	23.54	23.15	25.00	17.49	17.54	17.15	19.00
EDGE 3 Tx slots	22.19	22.28	21.95	23.50	17.93	18.02	17.69	19.24
EDGE 4 Tx slots	20.15	20.24	20.11	22.00	17.15	17.24	17.11	19.00

GSM1900 Ant1 DS2 Simultaneous

TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	24.73	25.03	24.86	25.60	15.73	16.03	15.86	16.60
GPRS 1 Tx slot	24.64	24.91	24.77	25.60	15.64	15.91	15.77	16.60
GPRS 2 Tx slots	20.67	20.73	20.60	22.60	14.67	14.73	14.60	16.60
GPRS 3 Tx slots	19.04	19.23	19.16	20.70	14.78	14.97	14.90	16.44
GPRS 4 Tx slots	18.90	19.12	18.98	19.60	15.90	16.12	15.98	16.60
EDGE 1 Tx slot	24.24	24.46	24.33	25.00	15.24	15.46	15.33	16.00
EDGE 2 Tx slots	21.57	21.79	21.66	22.60	15.57	15.79	15.66	16.60
EDGE 3 Tx slots	19.48	19.68	19.64	20.70	15.20	15.42	15.38	16.44
EDGE 4 Tx slots	18.45	18.72	18.61	19.60	15.45	15.72	15.61	16.60

WCDMA II Ant1 DS2 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
Rx Channel		9692	9690	9698		1537	1638	1738		4387	4407	4468	
Frequency (MHz)		1852.4	1860	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2kbps	16.58	16.62	16.50	17.50	15.55	15.68	15.53	16.50	20.72	20.78	20.59	24.00
3GPP Rel 99	RMIC 12.2kbps	16.61	16.68	16.30	17.50	15.40	15.70	15.55	16.50	20.80	20.86	20.84	21.90
3GPP Rel 6	HSRPA Subtest-1	15.64	15.64	15.61	16.50	14.51	14.64	14.55	15.50	19.62	19.69	19.66	20.90
3GPP Rel 6	HSRPA Subtest-2	15.68	15.63	15.58	16.50	14.73	14.56	14.49	15.50	19.84	19.80	19.79	20.90
3GPP Rel 6	HSRPA Subtest-3	15.09	15.25	14.89	16.00	14.16	14.11	13.90	15.00	19.38	19.46	19.16	20.40
3GPP Rel 6	HSRPA Subtest-4	15.04	15.06	15.02	16.00	13.96	14.07	13.93	15.00	19.34	19.38	19.37	20.40
3GPP Rel 8	DC-HSRPA Subtest-1	15.65	15.65	15.68	16.50	14.62	14.58	14.56	15.50	19.65	19.87	19.89	20.90
3GPP Rel 8	DC-HSRPA Subtest-2	15.95	15.38	15.57	16.50	14.61	14.69	14.55	15.50	19.53	20.01	19.69	20.90
3GPP Rel 8	DC-HSRPA Subtest-3	15.16	15.27	14.96	16.00	14.04	14.12	14.01	15.00	19.41	19.38	19.18	20.40
3GPP Rel 8	DC-HSRPA Subtest-4	15.07	15.10	15.00	16.00	14.03	14.06	13.94	15.00	19.23	19.39	19.35	20.40
3GPP Rel 6	HSUPA Subtest-1	15.58	15.75	15.78	16.50	14.40	14.68	14.55	15.50	19.69	19.81	19.87	20.90
3GPP Rel 6	HSUPA Subtest-2	13.70	13.60	13.48	14.50	12.56	12.65	12.59	13.50	17.79	17.99	17.76	18.90
3GPP Rel 6	HSUPA Subtest-3	14.68	14.57	14.74	15.50	13.55	13.69	13.54	14.50	18.81	19.00	18.78	19.90
3GPP Rel 6	HSUPA Subtest-4	13.71	13.75	13.72	14.50	12.71	12.63	12.54	13.50	17.76	18.02	17.95	18.90
3GPP Rel 6	HSUPA Subtest-5	15.67	15.60	15.58	16.50	14.55	14.69	14.43	15.50	19.81	19.89	19.60	20.90



Band 2 Ant1 DS12 Simultaneous																
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch / Freq.	Power High Ch / Freq.	Power High Ch / Freq.	Turn-up time (sec)	MPR (dB)								
Channel																
Frequency (MHz)																
20	QPSK	1	0	14.31	14.33	14.47	15.6	0								
20	QPSK	1	49	14.34	14.48	14.40										
20	QPSK	1	99	14.47	14.51	14.44										
20	QPSK	50	24	14.38	14.40	14.34										
20	QPSK	50	50	14.37	14.43	14.27	15.6	0								
20	QPSK	1	0	14.37	14.43	14.30										
20	QPSK	1	49	14.30	14.30	14.26										
20	QPSK	50	24	14.32	14.30	14.26										
20	QPSK	50	50	14.31	14.37	14.20	15.6	0								
20	QPSK	1	0	14.34	14.40	14.30										
20	QPSK	1	49	14.37	14.40	14.41										
20	QPSK	50	24	14.38	14.40	14.40										
20	QPSK	100	0	14.34	14.44	14.37	15.6	0								
20	QPSK	100	49	14.47	14.51	14.44										
20	QPSK	1	0	14.37	14.43	14.30										
20	QPSK	1	49	14.30	14.30	14.26										
20	QPSK	50	24	14.32	14.30	14.26	15.6	0								
20	QPSK	50	50	14.31	14.37	14.20										
20	QPSK	1	0	14.34	14.40	14.30										
20	QPSK	1	49	14.37	14.40	14.41										
20	QPSK	50	24	14.38	14.40	14.40	15.6	0								
20	QPSK	50	50	14.38	14.40	14.39										
20	QPSK	1	0	14.46	14.53	14.47										
20	QPSK	1	49	14.46	14.53	14.47										
20	QPSK	50	50	14.44	14.47	14.37	15.6	0								
20	QPSK	50	50	14.44	14.47	14.33										
20	QPSK	1	0	14.43	14.48	14.33										
20	QPSK	1	49	14.43	14.48	14.33										
Channel																
Frequency (MHz)																
15	QPSK	1	0	14.46	14.38	14.41	15.6	0								
15	QPSK	1	37	14.47	14.42	14.22										
15	QPSK	1	74	14.29	14.33	14.33										
15	QPSK	36	0	14.31	14.38	14.19										
15	QPSK	36	39	14.28	14.32	14.13	15.6	0								
15	QPSK	36	39	14.28	14.30	14.18										
15	QPSK	75	0	14.19	14.34	14.34										
15	QPSK	75	37	14.12	14.20	14.16										
15	QPSK	1	37	14.25	14.30	14.16	15.6	0								
15	QPSK	1	74	14.30	14.44	14.36										
15	QPSK	36	0	14.20	14.30	14.16										
15	QPSK	36	39	14.32	14.41	14.33										
15	QPSK	75	0	14.21	14.38	14.18	15.6	0								
15	QPSK	75	37	14.21	14.38	14.18										
15	QPSK	1	0	14.10	14.35	14.25										
15	QPSK	1	49	14.35	14.40	14.36										
15	QPSK	1	74	14.35	14.44	14.36	15.6	0								
15	QPSK	36	0	14.11	14.25	14.17										
15	QPSK	36	39	14.23	14.41	14.33										
15	QPSK	75	0	14.28	14.39	14.29										
15	QPSK	75	37	14.31	14.42	14.16	15.6	0								
15	QPSK	1	0	14.34	14.42	14.38										
15	QPSK	1	25	14.20	14.34	14.24										
15	QPSK	25	49	14.30	14.40	14.30										
15	QPSK	25	12	14.36	14.40	14.15	15.6	0								
15	QPSK	50	0	14.08	14.30	14.19										
15	QPSK	50	1	14.20	14.36	14.23										
15	QPSK	50	24	14.21	14.31	14.16										
15	QPSK	25	49	14.18	14.28	14.31	15.6	0								
15	QPSK	25	12	14.18	14.30	14.26										
15	QPSK	50	24	14.20	14.28	14.08										
15	QPSK	50	50	14.20	14.28	14.08										
15	QPSK	1	0	14.08	14.28	14.19	15.6	0								
15	QPSK	1	25	14.20	14.33	14.29										
15	QPSK	25	49	14.12	14.33	14.28										
15	QPSK	25	12	14.27	14.43	14.30										
15	QPSK	50	0	14.19	14.39	14.19	15.6	0								
15	QPSK	50	1	14.19	14.39	14.19										
15	QPSK	50	24	14.24	14.34	14.03										
15	QPSK	1	49	14.34	14.40	14.36										
15	QPSK	25	12	14.18	14.38	14.16	15.6	0								
15	QPSK	25	49	14.19	14.28	14.28										
15	QPSK	50	24	14.17	14.39	14.26										
15	QPSK	1	12	14.33	14.35	14.28										
15	QPSK	1	24	14.34	14.42	14.28	15.6	0								
15	QPSK	1	49	14.32	14.43	14.26										
15	QPSK	12	7	14.19	14.37	14.23										
15	QPSK	12	13	14.22	14.40	14.30										
15	QPSK	25	12	14.22	14.40	14.30	15.6	0								
15	QPSK	25	49	14.20	14.31	14.28										
15	QPSK	50	0	14.26	14.30	14.19										
15	QPSK	50	1	14.24	14.39	14.26										
15	QPSK	1	24	14.33	14.39	14.26	15.6	0								
15	QPSK	1	49	14.28	14.40	14.21										
15	QPSK	12	7	14.25	14.39	14.25										
15	QPSK	12	13	14.28	14.38	14.44										
15	QPSK	25	12	14.28	14.41	14.28	15.6	0								
15	QPSK	25	49	14.31	14.42	14.26										
15	QPSK	50	0	14.30	14.40	14.30										
15	QPSK	50	1	14.30	14.40	14.26										
Channel																
Frequency (MHz)																
5	QPSK	1	0	14.42	14.41	14.30	15.6	0								
5	QPSK	1	12	14.20	14.33	14.30										
5	QPSK	1	24	14.24	14.38	14.24										
5	QPSK	12	8	14.30	14.41	14.23										
5	QPSK	12	7	14.25	14.35	14.22	15.6	0								
5	QPSK	12	13	14.28	14.40	14.30										
5	QPSK	25	0	14.21	14.30	14.26										
5	QPSK	25	7	14.28	14.39	14.37										
5	QPSK	1	0	14.28	14.39	14.37	15.6	0								
5	QPSK	1	12	14.24	14.34	14.24										
5	QPSK	1	24	14.34	14.44	14.34										
5	QPSK	12	8	14.34	14.44	14.34										
5	QPSK	12	13	14.16	14.35	14.16	15.6	0								
5	QPSK	25	0	14.17	14.30	14.16										
5	QPSK	25	7	14.17	14.30	14.20										
5	QPSK	1	12	14.33	14.35	14.28										
5	QPSK	1	24	14.35	14.43	14.28	15.6	0								
5	QPSK	1	49	14.32	14.43	14.26										
5	QPSK	12	7	14.19	14.37	14.23										
5	QPSK	12	13	14.22	14.40	14.30										
5	QPSK	25	12	14.22	14.31	14.28	15.6	0								
5	QPSK	25	49	14.20	14.31	14.28										
5	QPSK	50	0	14.26	14.30	14.19										
5	QPSK	50	1	14.24	14.39	14.26										
5	QPSK	1	24	14.33	14.39	14.26	15.6	0								
5	QPSK	1	49	14.28	14.40	14.21										
5	QPSK	12	7	14.25	14.39	14.25										
5	QPSK	12	13	14.28	14.38	14.44										
5	QPSK	25	12	14.28	14.41	14.28	15.6	0								
5	QPSK	25	49	14.31	14.42	14.26										
5	QPSK	50	0	14.30	14.42	14.30										
5	QPSK	50	1	14.30	14.42	14.26										
Channel																
Frequency (MHz)																
3	QPSK	1	0	14.43	14.40	14.29	15.6	0								
3	QPSK	1	14	14.40	14.54	14.37										
3	QPSK	8	0	14.27	14.43	14.20										
3	QPSK	8	7	14.31	14.40	14.10										
3	QPSK	15	0	14.12	14.20	14.23	15.6	0								
3	QPSK	15	14	14.20	14.29	14.25										
3	QPSK	1	8	14.23	14.24	14.19										
3	QPSK	1	15	14.26	14.27	14.21	15.6	0								
3	QPSK	8	0	14.15	14.26	14.18										
3	QPSK	8	7	14.29	14.43	14.21										
3	QPSK	15	0	14.19	14.30	14.27										
3	QPSK	1	0	14.26	14.35	14.26	15.6	0								
3	QPSK	1	15	14.28	14.35	14.27										
3	QPSK	15	0	14.33	14.35	14.27										
3	QPSK	15	14	14.33	14.35	14.28										
3	QPSK	8	0	14.24	14.37	14.23	15.6	0								
3	QPSK	8	7	14.29	14.37	14.23										
3	QPSK	15	0	14.34	14.31	14.22										
3	QPSK	15	14	14.32	14.33	14.22										
3	QPSK	1	0	14.23	14.33	14.27	15.6	0								
3	QPSK	1	8	14.32	14.38	14.28										
3	QPSK	1	15	14.31	14.39	14.27										
3	QPSK	8	0	14.29	14.48	14.40										
3	QPSK	8	7	14.31	14.38	14.27	15.6	0								
3	QPSK	15	0	14.31	14.39	14.27										
3	QPSK	15	14	14.31	14.39	14.27										
3	QPSK	1	0	14.31	14.43	14.27										
Channel																
Frequency (MHz)																
1.4	QPSK	1	0	14.46	14.37	14.41	15.6	0								
1.4	QPSK	1	3	14.28	14.34	14.33										
1.4	QPSK	1	3	14.44	14.36	14.34										
1.4	QPSK	3	0	14.30	14.33	14.18										
1.4	QPSK	3	0	14.23	14.43	14.17	15.6	0								
1.4	QPSK	3	3	14.31	14.28	14.14										
1.4	QPSK	3	0	14.11	14.26	14.18										
1.4	QPSK	3	3	14.27	14.37	14.25										
1.4	QPSK	1	0	14.20	14.36	14.22	15.6	0								
1.4	QPSK	1	3	14.22	14.36	14.25										
1.4	QPSK	1	3	14.42	14.32	14.33										
1.4	QPSK	1	3	14.31	14.34	14.24										
1.4	QPSK	3	0	14.25	14.25	14.08	15.6	0								
1.4	QPSK	3	3	14.38	14.36	14.36										
1.4	QPSK	3	0	14.16	14.36	14.24										
1.4	QPSK	3	3	14.22	14.37	14.27										
1.4	QPSK	3	0													



Band 12 Ant1 DS12 Simultaneous												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mode Ch / Freq	Power High Ch / Freq	Turn-up time (min)	MPR (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0	21.98	22.14	22.07	22.4	0				
10	QPSK	1	25	21.97	22.02	21.97						
10	QPSK	1	49	21.98	22.06	21.98						
10	QPSK	25	0	21.90	22.00	22.00						
10	QPSK	25	25	21.93	22.05	21.95	22.4	0				
10	QPSK	50	0	21.97	22.02	21.97						
10	QPSK	50	0	21.98	22.03	21.98						
10	16QAM	1	0	21.90	22.05	21.91						
10	16QAM	1	25	21.87	21.98	21.84	22.4	0				
10	16QAM	1	49	21.90	22.02	21.90						
10	16QAM	25	0	21.83	21.98	21.84						
10	16QAM	25	12	21.89	22.05	21.91						
10	16QAM	25	25	21.90	21.97	21.91	22.4	0				
10	16QAM	50	0	22.04	22.07	21.98						
10	16QAM	50	0	21.97	22.02	21.97						
10	64QAM	1	25	22.02	22.05	21.95						
10	64QAM	1	49	21.88	22.04	21.99	22.4	0				
10	64QAM	25	0	22.00	22.02	21.90						
10	64QAM	25	12	20.99	21.05	20.99						
10	64QAM	25	25	21.02	21.05	21.01						
10	256QAM	1	0	18.93	18.11	18.92	20.5	1.9				
10	256QAM	1	25	18.90	18.12	18.95						
10	256QAM	1	49	18.90	18.15	18.91						
10	256QAM	25	0	19.01	19.08	18.95						
10	256QAM	25	12	19.01	19.08	18.95	20.5	1.9				
10	256QAM	25	25	19.03	19.08	19.00						
10	256QAM	50	0	19.06	19.12	19.06						
Channel												
Frequency (MHz)												
5	QPSK	1	0	21.81	22.00	21.96	22.4	0				
5	QPSK	1	25	21.82	22.01	21.97						
5	QPSK	1	49	21.85	22.06	21.94						
5	QPSK	12	0	21.77	21.84	22.00						
5	QPSK	12	7	21.77	21.80	21.97	22.4	0				
5	QPSK	12	13	21.82	21.96	21.97						
5	QPSK	25	0	21.82	21.95	21.70						
5	16QAM	1	25	21.82	22.01	21.83						
5	16QAM	1	12	21.74	21.88	21.79	22.4	0				
5	16QAM	1	25	21.79	21.89	21.78						
5	16QAM	12	0	21.75	21.85	21.79						
5	16QAM	12	7	21.75	21.85	21.79						
5	16QAM	25	0	21.91	21.90	21.89	22.4	0				
5	64QAM	1	0	21.89	22.01	22.00						
5	64QAM	1	24	21.85	21.93	21.84						
5	64QAM	12	0	20.91	20.99	20.96						
5	64QAM	12	13	20.85	20.89	20.87	22.4	0				
5	64QAM	25	0	20.79	20.87	20.88						
5	256QAM	1	12	18.98	19.01	18.87						
5	256QAM	1	24	18.98	19.12	18.85						
5	256QAM	12	0	18.95	18.97	18.85	20.5	1.9				
5	256QAM	12	7	18.88	18.96	18.87						
5	256QAM	12	13	18.95	18.98	18.95						
5	256QAM	25	0	18.95	19.01	18.95						
Channel												
Frequency (MHz)												
3	QPSK	1	0	21.94	22.07	22.03	22.4	0				
3	QPSK	1	8	21.93	21.96	21.94						
3	QPSK	8	0	21.73	22.04	21.99						
3	QPSK	8	4	21.87	21.90	21.94						
3	QPSK	8	4	21.82	21.84	21.93	22.4	0				
3	QPSK	16	0	21.76	21.84	21.87						
3	16QAM	1	0	21.74	21.82	21.88						
3	16QAM	1	14	21.80	21.96	21.78						
3	16QAM	8	0	21.79	21.81	21.89	22.4	0				
3	16QAM	8	4	21.74	21.80	21.77						
3	16QAM	8	7	21.85	21.81	21.88						
3	16QAM	16	0	21.67	21.68	21.80						
3	64QAM	1	0	21.94	22.00	22.01	22.4	0				
3	64QAM	1	8	21.85	21.96	21.89						
3	64QAM	1	14	21.80	21.89	21.82						
3	64QAM	8	0	20.90	20.98	20.94						
3	64QAM	8	4	20.89	20.97	20.86	22.4	0				
3	64QAM	8	7	20.96	20.90	20.94						
3	64QAM	15	0	20.83	20.91	20.85						
3	256QAM	1	0	18.84	18.88	18.87						
3	256QAM	1	8	18.83	18.87	18.80	20.5	1.9				
3	256QAM	1	14	19.02	19.11	18.94						
3	256QAM	8	0	18.89	18.95	18.86						
3	256QAM	8	7	18.88	19.05	18.80						
3	256QAM	8	4	18.87	18.85	18.88	20.5	1.9				
3	256QAM	15	0	18.97	19.10	18.90						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	22.08	22.02	22.05	22.4	0				
1.4	QPSK	1	3	21.91	21.95	21.98						
1.4	QPSK	1	5	21.80	21.85	21.84						
1.4	QPSK	3	1	21.86	21.92	21.89						
1.4	QPSK	3	1	21.85	21.93	21.89	22.4	0				
1.4	QPSK	3	3	21.89	21.95	21.77						
1.4	QPSK	8	0	21.72	21.96	21.70						
1.4	16QAM	1	0	21.73	21.95	21.84						
1.4	16QAM	1	3	21.76	21.83	21.80	22.4	0				
1.4	16QAM	1	5	21.73	21.82	21.87						
1.4	16QAM	3	0	21.75	21.82	21.89						
1.4	16QAM	3	1	21.80	21.84	21.74						
1.4	16QAM	8	0	21.81	21.89	21.78	22.4	0				
1.4	16QAM	8	0	21.84	22.04	21.81						
1.4	64QAM	1	0	21.90	21.99	22.01						
1.4	64QAM	1	3	21.88	21.89	21.73						
1.4	64QAM	1	5	21.77	21.88	21.96	22.4	0				
1.4	64QAM	3	0	21.91	22.01	21.88						
1.4	64QAM	3	1	21.97	21.96	21.87						
1.4	64QAM	3	3	21.89	21.88	21.99						
1.4	256QAM	1	0	18.92	19.08	18.87	20.5	1.9				
1.4	256QAM	1	3	18.91	19.08	18.87						
1.4	256QAM	1	5	18.92	19.05	18.91						
1.4	256QAM	3	0	18.87	19.05	18.84						
1.4	256QAM	3	3	18.90	18.90	18.92	20.5	1.9				
1.4	256QAM	8	0	18.88	19.09	18.97						

Band 13 Ant1 DS12 Simultaneous										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mode Ch / Freq	Power High Ch / Freq	Turn-up time (min)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0		21.70				22	0
10	QPSK	1	25		21.67					
10	QPSK	1	49		21.64					
10	QPSK	1	73		21.61					
10	QPSK	25	12		21.63				22	0
10	QPSK	25	25		21.61					
10	QPSK	50	0		21.65					
10	16QAM	1	0		21.72					
10	16QAM	1	25		21.68				22	0
10	16QAM	1	49		21.71					
10	16QAM	25	0		21.59					
10	16QAM	25	12		21.60					
10	16QAM	25	25		21.59				22	0
10	16QAM	50	0		21.60					
10	64QAM	1	0		21.72				22	0
10	64QAM	1	25		21.68					
10	64QAM	1	49		21.67					
10	64QAM	1	73		21.58					
10	64QAM	25	12		21.67				22	0
10	64QAM	25	25		21.67					
10	64QAM	50	0		21.67					
10	256QAM	1	0		21.70					
10	256QAM	1	25		21.68				20	2
10	256QAM	1	49		21.67					
10	256QAM	1	73		21.58					
10	256QAM	25	12		21.67					
10	256QAM	25	25		21.66				20	2
10	256QAM	50	0		21.66					
10	1024QAM	1	0		21.69				20	2
10	1024QAM	1	25		21.67					
10	1024QAM	1	49		21.58					
10	1024QAM	1	73		21.57					
10	1024QAM	25	12		21.67				22	0
10	1024QAM	25	25		21.67					
10	1024QAM	50	0		21.67					
10	4096QAM	1	0		21.69					
10	4096QAM	1	25		21.67				22	0
10	4096QAM	1	49		21.58					
10	4096QAM	1	73		21.57					
10	4096QAM	25	12		21.67					
10	4096QAM	25	25		21.66				22	0
10	4096QAM	50	0		21.66					
10	16384QAM	1	0		21.69				20	2
10	16384QAM	1	25		21.67					
10	16384QAM	1	49		21.58					
10	16384QAM	1	73		21.57					
10	16384QAM	25	12		21.67				22	0
10	16384QAM	25	25		21.66					
10	16384QAM	50	0		21.66					
10	65536QAM	1	0		21.69					
10	65536QAM	1	25		21.67				20	2
10	65536QAM	1	49		21.58					
10	65536QAM	1	73		21.57					
10	65536QAM	25	12		21.67					
10	65536QAM	25	25		21.66				20	2
10	65536QAM	50	0		21.66					
10	262144QAM	1	0		21.69				20	2
10	262144QAM	1	25		21.67					
10	262144QAM	1	49		21.58					
10	262144QAM	1	73		21.57					
10	262144QAM	25	12		21.67				22	0
10	262144QAM	25	25		21.66					
10	262144QAM	50	0		21.66					
10	1048576QAM	1	0		21.69					
10	1048576QAM	1	25		21.67				20	2
10	1048576QAM	1	49		21.58					
10	1048576QAM	1	73		21.57					
10	1048576QAM	25	12		21.67					
10	1048576QAM	25	25		21.66				20	2
10	1048576QAM	50	0		21.66					
10	4194304QAM	1	0		21.69				20	2
10	4194304QAM	1	25		21.67					
10	4194304QAM	1	49		21.58					
10	4194304QAM	1	73		21.57					
10	4194304QAM	25	12		21.67				22	0
10	4194304QAM	25	25		21.66					
10	4194304QAM	50	0		21.66					
10	16777344QAM	1	0		21.69					
10	16777344QAM	1	25		21.67				20	2
10	16777344QAM	1	49		21.58					
10	16777344QAM	1	73		21.57					
10	16777344QAM	25	12		21.67					
10	16777344QAM	25	25		21.66				20	2
10	16777344QAM	50	0		21.66					
10	67100160QAM	1	0		21.69				20	2
10	67100160QAM	1	25		21.67					
10	67100160QAM	1	49		21.58					
10	67100160QAM	1	73		21.57					
10	67100160QAM	25	12		21.67				22	0
10	67100160QAM	25	25		21.66					
10	67100160QAM	50	0		21.66					
10	270592000QAM	1	0		21.69					
10	270592000QAM	1	25		21.67				20	2
10	270592000QAM	1	49		21.58					
10	270592000QAM	1	73		21.57					
10	270592000QAM	25	12		21.67					
10	270592000QAM	25	25		21.66				20	2
10	270592000QAM	50	0		21.66					
10	1082368000QAM	1	0		21.69				20	2
10	1082368000QAM	1	25		21.67					
10	1082368000QAM	1	49		21.58					
10	1082368000QAM	1	73		21.57					
10	1082368000QAM	25	12		21.67				22	0
10	1082368000QAM	25	25		21.66					
10	1082368000QAM	50	0		21.66					
10	4329472000QAM	1	0		21.69					
10	4329472000QAM	1	25		21.67				20	2
10	4329472000QAM	1	49		21.58					
10	4329472000QAM	1	73		21.57					
10	4329472000QAM	25	12		21.67					
10	4329472000QAM	25	25		21.66				20	2
10	4329472000QAM	50	0		21.66					
10	17317888000QAM	1	0		21.69				20	2
10	17317888000QAM	1	25		21.67					
10	17317888000QAM	1	49		21.58					
10	17317888000QAM	1	73		21.57					
10	17317888000QAM	25	12		21.67				22	0
10	17317888000QAM	25	25		21.66					
10	17317888000QAM	50	0		21.66					
10	69271552000QAM	1	0		21.69					
10	69271552000QAM	1	25		21.67				20	2
10	69271552000QAM	1	49		21.58					
10	69271552000QAM	1	73		21.57					
10	69271552000QAM	25	12		21.67					
10	69271552000QAM	25	25		21.66				20	2
10	69271552000QAM	50	0		21.66					
10	277086400000QAM	1	0		21.69				20	2
10	277086400000QAM	1	25		21.67					
10	277086400000QAM	1	49		21.58					
10	277086400000QAM	1	73		21.57					
10	277086400000QAM	25	12		21.67				22	0
10	277086400000QAM	25	25		21.66					
10	277086400000QAM	50	0		21.66					
10	1108345600000QAM	1	0		21.69					
10	1108345600000QAM	1	25		21.67				20	2
10	1108345600000QAM	1	49		21.58					
10	1108345600000QAM	1	73		21.57					
10	1108345600000QAM	25	12		21.67					
10	1108345600000QAM	25	25		21.66				20	2
10	1108345600000QAM	50	0		21.66					
10	4433382400000QAM	1	0		21.69				20	2
10	4433382400000QAM	1	25		21.67					
10	4433382400000QAM	1	49		21.58					
10	4433382400000QAM	1	73		21.57					
10	4433382400000QAM	25	12		21.67				22	0
10	4433382400000QAM	25	25		21.66					
10	4433382400000QAM	50	0		21.66					
10	17733529600000QAM	1	0		21.69					
10	17733529600000QAM	1	25		21.67				20	2
10	17733529600000QAM	1	49		21.58					
10	17733529600000QAM	1	73		21.57					
10	17733529600000QAM	25	12		21.67					
10	17733529600000QAM	25	25		21.66				20	2
10	17733529600000QAM	50	0		21.66					
10	70934118400000QAM	1	0		21.69				20	2
10	70934118400000QAM	1	25		21.67					
10	70934118400000QAM	1	49		21.58					
10	70934118400000QAM	1	73		21.57					
10	70934118400000QAM	25	12		21.67				22	0
10	70934118400000QAM	25	25		21.66					
10	70934118400000QAM	50	0		21.66					
10	283736473600000QAM	1	0		21.69					
10	283736473600000QAM	1	25		21.67				20	2
10	283736473600000QAM	1	49		21.58					
10	283736473600000QAM	1	73		21.57					
10	283736473600000QAM	25	12		21.67					
10	283736473600000QAM	25	25		21.66				20	2
10	283736473600000QAM	50	0		21.66					
10	1134945888000000QAM	1	0		21.69				20	2
10	1134945888000000QAM	1	25		21.67					
10	1134945888000000QAM	1	49		21.58					
10	1134945888000000QAM	1	73		21.57					
10	1134945888000000QAM	25	12		21.					

Band 26 Ant1 DS12 Simultaneous										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq. (dBm)	Power High Ch / Freq. (dBm)	Power Max Ch / Freq. (dBm)	Power Min Ch / Freq. (dBm)	Tune-up Int. (dBm)	MPR (dB)	
Channel										
Frequency (MHz)										
15	QPSK	1	0	20.88	20.88	20.79		22.2	0	
15	QPSK	1	37	20.88	20.88	20.79				
15	QPSK	1	74	20.79	20.83	20.79				
15	QPSK	36	0	20.79	20.88	20.83		22.2	0	
15	QPSK	36	36	20.76	20.85	20.72				
15	QPSK	75	0	20.65	20.85	20.88				
15	QPSK	75	37	20.77	20.89	20.78		22.2	0	
15	16QAM	1	0	20.68	20.83	20.78		22.2	0	
15	16QAM	1	37	20.76	20.89	20.78				
15	16QAM	14	0	20.78	20.91	20.83				
15	16QAM	36	0	20.74	20.85	20.78		22.2	0	
15	16QAM	36	36	20.77	20.89	20.74				
15	16QAM	36	39	20.82	20.96	20.86				
15	16QAM	75	0	20.60	20.94	20.79				
15	16QAM	1	0	20.67	20.75	20.66		22.2	0	
15	16QAM	1	37	20.73	20.89	20.71				
15	16QAM	1	74	20.84	20.89	20.80				
15	16QAM	36	0	20.72	20.88	20.74		22.2	0	
15	16QAM	36	36	20.85	20.93	20.78				
15	16QAM	36	39	20.78	20.91	20.87				
15	16QAM	75	0	20.68	20.92	20.87				
15	256QAM	1	0	18.82	18.94	18.94		20.5	1.7	
15	256QAM	1	37	18.86	19.07	18.96				
15	256QAM	14	0	18.87	19.03	18.99				
15	256QAM	36	0	18.85	19.87	18.84		20.5	1.7	
15	256QAM	36	39	18.89	19.03	18.96				
15	256QAM	75	0	18.88	19.07	18.94				
Channel										
Frequency (MHz)										
10	QPSK	1	0	20.88	20.88	20.63		22.2	0	
10	QPSK	1	36	20.88	20.79	20.63				
10	QPSK	1	49	20.62	20.74	20.61				
10	QPSK	25	0	20.72	20.90	20.82		22.2	0	
10	QPSK	25	12	20.65	20.77	20.68				
10	QPSK	25	25	20.73	20.80	20.68				
10	QPSK	50	0	20.65	20.77	20.68		22.2	0	
10	16QAM	1	0	20.63	20.69	20.60				
10	16QAM	1	25	20.58	20.86	20.74		22.2	0	
10	16QAM	1	49	20.69	20.96	20.73				
10	16QAM	1	74	20.61	20.71	20.63				
10	16QAM	25	12	20.64	20.81	20.58		22.2	0	
10	16QAM	25	25	20.68	20.86	20.66				
10	16QAM	50	0	20.72	20.90	20.73				
10	16QAM	1	0	20.75	20.87	20.82		22.2	0	
10	16QAM	1	49	20.68	20.87	20.75				
10	16QAM	1	49	20.80	20.86	20.75				
10	16QAM	25	0	20.67	20.76	20.70				
10	16QAM	25	12	20.61	20.85	20.64		22.2	0	
10	16QAM	25	25	20.74	20.83	20.84				
10	16QAM	50	0	20.85	20.89	20.75				
10	256QAM	1	0	18.79	18.91	18.77		20.5	1.7	
10	256QAM	1	25	18.81	19.05	18.88				
10	256QAM	14	0	18.85	19.05	18.96				
10	256QAM	25	0	18.75	18.83	18.71		20.5	1.7	
10	256QAM	25	12	18.78	18.90	18.84				
10	256QAM	25	25	18.82	18.95	18.85				
10	256QAM	50	0	18.88	19.05	18.85				
Channel										
Frequency (MHz)										
5	QPSK	1	0	20.88	20.96	20.77		22.2	0	
5	QPSK	1	12	20.67	20.86	20.63				
5	QPSK	1	24	20.68	20.73	20.63				
5	QPSK	12	0	20.71	20.84	20.90		22.2	0	
5	QPSK	12	7	20.63	20.84	20.77				
5	QPSK	12	13	20.72	20.81	20.62				
5	QPSK	25	0	20.63	20.81	20.60		22.2	0	
5	16QAM	1	0	20.57	20.80	20.65				
5	16QAM	1	12	20.68	20.83	20.60				
5	16QAM	1	24	20.69	20.88	20.71				
5	16QAM	12	0	20.64	20.96	20.64		22.2	0	
5	16QAM	12	7	20.67	20.80	20.61				
5	16QAM	12	13	20.89	20.87	20.84				
5	16QAM	25	0	20.68	20.78	20.74		22.2	0	
5	16QAM	25	0	20.84	20.87	20.65				
5	16QAM	1	12	20.57	20.85	20.57				
5	16QAM	1	24	20.74	20.71	20.77				
5	16QAM	12	0	20.62	20.77	20.67		22.2	0	
5	16QAM	12	7	20.73	20.81	20.75				
5	16QAM	12	13	20.72	20.78	20.62				
5	16QAM	25	0	20.71	20.75	20.78				
5	16QAM	25	0	20.77	20.84	18.90		20.5	1.7	
5	256QAM	1	0	18.77	18.87	18.86				
5	256QAM	1	12	18.79	18.82	18.85				
5	256QAM	12	0	18.79	18.88	18.86		20.5	1.7	
5	256QAM	12	7	18.72	18.89	18.78				
5	256QAM	12	13	18.78	18.92	18.81				
5	256QAM	25	0	18.85	18.94	18.86				
Channel										
Frequency (MHz)										
3	QPSK	1	0	20.75	20.85	20.62		22.2	0	
3	QPSK	1	8	20.82	20.78	20.73				
3	QPSK	1	14	20.58	20.86	20.68				
3	QPSK	8	0	20.68	20.86	20.60		22.2	0	
3	QPSK	8	4	20.57	20.85	20.80				
3	QPSK	8	7	20.63	20.73	20.70				
3	QPSK	15	0	20.54	20.75	20.62				
3	16QAM	1	0	20.65	20.71	20.61		22.2	0	
3	16QAM	1	8	20.58	20.73	20.74				
3	16QAM	1	14	20.65	20.86	20.67				
3	16QAM	8	0	20.65	20.77	20.64		22.2	0	
3	16QAM	8	4	20.73	20.79	20.62				
3	16QAM	8	7	20.86	20.84	20.76				
3	16QAM	15	0	20.75	20.81	20.65		20.5	1.7	
3	16QAM	1	0	20.74	20.83	20.69				
3	16QAM	1	8	20.62	20.81	20.62		22.2	0	
3	16QAM	1	14	20.80	20.74	20.73				
3	16QAM	8	0	20.64	20.78	20.73		22.2	0	
3	16QAM	8	4	20.80	20.81	20.74				
3	16QAM	8	7	20.65	20.78	20.71				
3	16QAM	1	0	20.73	20.87	20.78				
3	256QAM	1	0	18.78	18.91	18.81		20.5	1.7	
3	256QAM	1	8	18.82	18.94	18.84				
3	256QAM	1	14	18.81	18.88	18.82				
3	256QAM	8	0	18.77	18.93	18.89		20.5	1.7	
3	256QAM	8	4	18.87	18.80	18.71				
3	256QAM	8	7	18.85	18.90	18.81				
3	256QAM	15	0	18.80	18.93	18.89				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	20.50	20.96	20.67		22.2	0	
1.4	QPSK	3	0	20.79	20.87	20.79				
1.4	QPSK	1	5	20.63	20.79	20.65				
1.4	QPSK	3	0	20.76	20.89	20.79		22.2	0	
1.4	QPSK	3	0	20.67	20.72	20.74				
1.4	QPSK	3	3	20.68	20.78	20.68				
1.4	QPSK	6	0	20.66	20.75	20.63		22.2	0	
1.4	16QAM	1	0	20.65	20.65	20.63				
1.4	16QAM	1	3	20.69	20.86	20.63		22.2	0	
1.4	16QAM	1	5	20.70	20.76	20.71				
1.4	16QAM	3	0	20.67	20.69	20.63				
1.4	16QAM	3	1	20.61	20.81	20.70				
1.4	16QAM	6	0	20.79	20.86	20.62		22.2	0	
1.4	16QAM	6	0	20.78	20.77	20.72				
1.4	16QAM	1	0	20.80	20.88	20.77				
1.4	16QAM	1	3	20.78	20.75	20.74		22.2	0	
1.4	16QAM	1	5	20.79	20.76	20.70				
1.4	16QAM	3	0	20.65	20.80	20.76				
1.4	16QAM	3	0	20.76	20.83	20.67				
1.4	16QAM	3	3	20.70	20.84	20.78				
1.4	16QAM	6	0	20.84	20.85	20.79		22.2	0	
1.4	256QAM	1	0	18.75	18.92	18.90				
1.4	256QAM	1	3	18.83	18.93	18.78		20.5	1.7	
1.4	256QAM	1	5	18.84	18.87	18.86				
1.4	256QAM	3	0	18.74	18.87	18.89				
1.4	256QAM	3	1	18.74	18.90	18.80				
1.4	256QAM	3	3	18.84	18.80	18.81				
1.4	256QAM	6	0	18.87	18.98	18.87		20.5	1.7	

Band 38 PC3 Ant1 DS12 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	16.64	16.70	16.67	18.3	0	
20	QPSK	1	49	16.62	16.66	16.52			
20	QPSK	1	99	16.58	16.65	16.48			
20	QPSK	50	0	16.49	16.60	16.47	18.3	0	
20	QPSK	50	24	16.45	16.55	16.39			
20	QPSK	50	50	16.44	16.56	16.50			
20	QPSK	100	0	16.52	16.56	16.40	18.3	0	
20	16QAM	1	0	16.53	16.56	16.52			
20	16QAM	1	49	16.49	16.66	16.51			
20	16QAM	1	99	16.49	16.66	16.64	18.3	0	
20	16QAM	50	0	16.48	16.54	16.39			
20	16QAM	50	24	16.47	16.61	16.57			
20	16QAM	50	50	16.53	16.58	16.47	18.3	0	
20	16QAM	100	0	16.63	16.65	16.58			
20	64QAM	1	0	16.48	16.54	16.37			
20	64QAM	1	49	16.55	16.63	16.51	18.3	0	
20	64QAM	1	99	16.51	16.55	16.49			
20	64QAM	50	0	16.44	16.55	16.52			
20	64QAM	50	24	16.57	16.64	16.54	18.3	0	
20	64QAM	50	50	16.53	16.58	16.47			
20	64QAM	100	0	16.57	16.64	16.56			
20	256QAM	1	0	16.42	16.53	16.45	18.3	0	
20	256QAM	1	49	16.60	16.68	16.66			
20	256QAM	1	99	16.47	16.56	16.52			
20	256QAM	50	0	16.54	16.65	16.55	18.3	0	
20	256QAM	50	24	16.50	16.59	16.44			
20	256QAM	50	50	16.49	16.57	16.43			
20	256QAM	100	0	16.61	16.64	16.51	18.3	0	
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	16.47	16.61	16.59	18.3	0	
15	QPSK	1	37	16.52	16.48	16.38			
15	QPSK	1	74	16.44	16.48	16.44			
15	QPSK	36	0	16.34	16.44	16.41	18.3	0	
15	QPSK	36	20	16.41	16.38	16.33			
15	QPSK	36	39	16.38	16.54	16.40			
15	QPSK	75	0	16.40	16.49	16.31	18.3	0	
15	16QAM	1	0	16.43	16.40	16.38			
15	16QAM	1	37	16.32	16.59	16.39			
15	16QAM	1	74	16.38	16.49	16.50	18.3	0	
15	16QAM	36	0	16.46	16.38	16.34			
15	16QAM	36	20	16.40	16.50	16.47			
15	16QAM	36	39	16.42	16.47	16.44	18.3	0	
15	16QAM	75	0	16.56	16.53	16.53			
15	64QAM	1	0	16.31	16.41	16.39			
15	64QAM	1	37	16.48	16.60	16.41	18.3	0	
15	64QAM	1	74	16.40	16.39	16.45			
15	64QAM	36	0	16.33	16.38	16.46			
15	64QAM	36	20	16.55	16.52	16.39	18.3	0	
15	64QAM	36	39	16.48	16.49	16.43			
15	64QAM	75	0	16.39	16.57	16.43			
15	256QAM	1	0	16.35	16.41	16.40	18.3	0	
15	256QAM	1	37	16.57	16.57	16.61			
15	256QAM	1	74	16.36	16.43	16.44			
15	256QAM	36	0	16.34	16.33	16.39	18.3	0	
15	256QAM	36	20	16.34	16.43	16.38			
15	256QAM	36	39	16.35	16.54	16.39			
15	256QAM	75	0	16.54	16.47	16.36	18.3	0	
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	16.50	16.61	16.62	18.3	0	
10	QPSK	1	25	16.57	16.49	16.42			
10	QPSK	1	49	16.48	16.48	16.42			
10	QPSK	25	0	16.47	16.45	16.44	18.3	0	
10	QPSK	25	12	16.34	16.37	16.39			
10	QPSK	25	25	16.34	16.43	16.47			
10	QPSK	50	0	16.38	16.39	16.36	18.3	0	
10	16QAM	1	0	16.43	16.42	16.38			
10	16QAM	1	25	16.45	16.60	16.39			
10	16QAM	1	49	16.33	16.54	16.52	18.3	0	
10	16QAM	25	0	16.35	16.48	16.37			
10	16QAM	25	12	16.44	16.45	16.42			
10	16QAM	25	25	16.33	16.54	16.33	18.3	0	
10	16QAM	50	0	16.59	16.57	16.44			
10	64QAM	1	0	16.33	16.45	16.32			
10	64QAM	1	25	16.37	16.58	16.38	18.3	0	
10	64QAM	1	49	16.38	16.39	16.44			
10	64QAM	25	0	16.33	16.41	16.49			
10	64QAM	25	12	16.45	16.57	16.39	18.3	0	
10	64QAM	25	25	16.38	16.46	16.44			
10	64QAM	50	0	16.45	16.55	16.44			
10	256QAM	1	0	16.36	16.35	16.42	18.3	0	
10	256QAM	1	25	16.49	16.53	16.56			
10	256QAM	1	49	16.32	16.42	16.45			
10	256QAM	25	0	16.48	16.47	16.48	18.3	0	
10	256QAM	25	12	16.32	16.42	16.35			
10	256QAM	25	25	16.32	16.41	16.37			
10	256QAM	50	0	16.55	16.55	16.39	18.3	0	
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	16.57	16.65	16.64	18.3	0	
5	QPSK	1	12	16.60	16.54	16.49			
5	QPSK	1	24	16.47	16.51	16.42			
5	QPSK	12	0	16.38	16.57	16.42	18.3	0	
5	QPSK	12	7	16.31	16.43	16.36			
5	QPSK	12	13	16.38	16.41	16.41			
5	QPSK	25	0	16.50	16.40	16.32	18.3	0	
5	16QAM	1	0	16.42	16.38	16.42			
5	16QAM	1	12	16.41	16.51	16.41			
5	16QAM	1	24	16.40	16.54	16.47	18.3	0	
5	16QAM	12	0	16.39	16.46	16.33			
5	16QAM	12	7	16.35	16.57	16.41			
5	16QAM	12	13	16.43	16.52	16.33	18.3	0	
5	16QAM	25	0	16.60	16.48	16.40			
5	64QAM	1	0	16.37	16.47	16.32			
5	64QAM	1	12	16.44	16.47	16.47	18.3	0	
5	64QAM	1	24	16.35	16.47	16.43			
5	64QAM	12	0	16.37	16.48	16.37			
5	64QAM	12	7	16.45	16.56	16.47	18.3	0	
5	64QAM	12	13	16.46	16.49	16.38			
5	64QAM	25	0	16.47	16.54	16.51			
5	256QAM	1	0	16.34	16.44	16.39	18.3	0	
5	256QAM	1	12	16.42	16.61	16.52			
5	256QAM	1	24	16.39	16.52	16.34			
5	256QAM	12	0	16.49	16.60	16.41	18.3	0	
5	256QAM	12	7	16.48	16.53	16.38			
5	256QAM	12	13	16.31	16.51	16.36			
5	256QAM	25	0	16.56	16.62	16.40	18.3	0	
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5	Tune-up limit (dBm)	MPR (dB)	

Band 38 PC2 Ant1 DS12 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	38160			
Frequency (MHz)				2587	2595	2610			
20	QPSK	1	0	18.31	18.47	18.26			
20	QPSK	1	49	18.23	18.36	18.19	19.9		0
20	QPSK	1	99	18.32	18.39	18.27			
20	QPSK	50	0	18.41	18.43	18.25			
20	QPSK	50	24	18.29	18.40	18.28			
20	QPSK	50	50	18.32	18.37	18.29	19.9		0
20	QPSK	100	0	18.30	18.34	18.30			
20	16QAM	1	0	18.27	18.37	18.26			
20	16QAM	1	49	18.24	18.32	18.17	19.9		0
20	16QAM	1	99	18.31	18.34	18.29			
20	16QAM	50	0	18.23	18.40	18.25			
20	16QAM	50	24	18.26	18.39	18.22	19.9		0
20	16QAM	50	50	18.28	18.33	18.31			
20	16QAM	100	0	18.17	18.33	18.21			
20	64QAM	1	0	18.30	18.38	18.29			
20	64QAM	1	49	18.31	18.36	18.28	19.9		0
20	64QAM	1	99	18.37	18.42	18.30			
20	64QAM	50	0	18.30	18.39	18.36			
20	64QAM	50	24	18.32	18.38	18.21	19.9		0
20	64QAM	50	50	18.14	18.29	18.16			
20	64QAM	100	0	18.22	18.30	18.13			
20	256QAM	1	0	18.24	18.31	18.20			
20	256QAM	1	49	18.24	18.35	18.30	19.9		0
20	256QAM	1	99	18.28	18.40	18.25			
20	256QAM	50	0	18.24	18.29	18.17			
20	256QAM	50	24	18.29	18.32	18.16	19.9		0
20	256QAM	50	50	18.27	18.38	18.27			
20	256QAM	100	0	18.27	18.32	18.18			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	18.14	18.30	18.19			
15	QPSK	1	37	18.17	18.18	18.08	19.9		0
15	QPSK	1	74	18.15	18.31	18.09			
15	QPSK	38	0	18.27	18.32	18.11			
15	QPSK	38	20	18.24	18.37	18.14	19.9		0
15	QPSK	38	39	18.24	18.29	18.15			
15	QPSK	75	0	18.17	18.26	18.14			
15	16QAM	1	0	18.19	18.30	18.21			
15	16QAM	1	37	18.08	18.20	18.02	19.9		0
15	16QAM	1	74	18.15	18.24	18.23			
15	16QAM	38	0	18.09	18.26	18.09			
15	16QAM	38	20	18.12	18.25	18.17	19.9		0
15	16QAM	38	39	18.18	18.27	18.18			
15	16QAM	75	0	18.02	18.23	18.12			
15	64QAM	1	0	18.16	18.20	18.26			
15	64QAM	1	37	18.21	18.23	18.25	19.9		0
15	64QAM	1	74	18.29	18.29	18.16			
15	64QAM	38	0	18.26	18.29	18.31			
15	64QAM	38	20	18.14	18.33	18.09	19.9		0
15	64QAM	38	39	18.05	18.21	18.09			
15	64QAM	75	0	18.06	18.27	18.03			
15	256QAM	1	0	18.08	18.28	18.17			
15	256QAM	1	37	18.18	18.23	18.26	19.9		0
15	256QAM	1	74	18.21	18.33	18.19			
15	256QAM	38	0	18.20	18.27	18.08			
15	256QAM	38	20	18.26	18.29	18.07	19.9		0
15	256QAM	38	39	18.16	18.26	18.13			
15	256QAM	75	0	18.23	18.24	18.09			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	18.26	18.40	18.23	19.9		0
10	QPSK	1	25	18.19	18.32	18.16			
10	QPSK	1	49	18.21	18.33	18.18			
10	QPSK	25	0	18.31	18.25	18.10			
10	QPSK	25	12	18.12	18.36	18.16	19.9		0
10	QPSK	25	25	18.16	18.32	18.12			
10	QPSK	50	0	18.25	18.16	18.04			
10	16QAM	1	0	18.20	18.30	18.16			
10	16QAM	1	25	18.19	18.23	18.02	19.9		0
10	16QAM	1	49	18.15	18.21	18.19			
10	16QAM	25	0	18.08	18.32	18.07			
10	16QAM	25	12	18.17	18.33	18.06	19.9		0
10	16QAM	25	25	18.15	18.29	18.18			
10	16QAM	50	0	18.15	18.31	18.08			
10	64QAM	1	0	18.23	18.30	18.20			
10	64QAM	1	25	18.19	18.34	18.20	19.9		0
10	64QAM	1	49	18.21	18.30	18.27			
10	64QAM	25	0	18.24	18.31	18.34			
10	64QAM	25	12	18.19	18.20	18.14	19.9		0
10	64QAM	25	25	18.09	18.16	18.12			
10	64QAM	50	0	18.15	18.14	18.09			
10	256QAM	1	0	18.08	18.24	18.12			
10	256QAM	1	25	18.12	18.23	18.13	19.9		0
10	256QAM	1	49	18.13	18.28	18.18			
10	256QAM	25	0	18.13	18.18	18.08			
10	256QAM	25	12	18.19	18.25	18.04	19.9		0
10	256QAM	25	25	18.16	18.26	18.14			
10	256QAM	50	0	18.15	18.28	18.06			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	18.18	18.32	18.11			
5	QPSK	1	12	18.18	18.22	18.07	19.9		0
5	QPSK	1	24	18.21	18.29	18.16			
5	QPSK	12	0	18.29	18.33	18.13			
5	QPSK	12	7	18.14	18.24	18.15	19.9		0
5	QPSK	12	13	18.19	18.19	18.27			
5	QPSK	25	0	18.23	18.22	18.17			
5	16QAM	1	0	18.19	18.30	18.16			
5	16QAM	1	12	18.17	18.29	18.09	19.9		0
5	16QAM	1	24	18.25	18.25	18.07			
5	16QAM	12	0	18.13	18.35	18.07			
5	16QAM	12	7	18.12	18.28	18.07	19.9		0
5	16QAM	12	13	18.24	18.23	18.24			
5	16QAM	25	0	18.07	18.17	18.19			
5	64QAM	1	0	18.21	18.26	18.13			
5	64QAM	1	12	18.20	18.24	18.17	19.9		0
5	64QAM	1	24	18.14	18.28	18.23			
5	64QAM	12	0	18.26	18.22	18.16			
5	64QAM	12	7	18.15	18.32	18.07	19.9		0
5	64QAM	12	13	18.05	18.21	18.03			
5	64QAM	25	0	18.08	18.23	17.95			
5	256QAM	1	0	18.08	18.21	18.06			
5	256QAM	1	12	18.19	18.30	18.18	19.9		0
5	256QAM	1	24	18.23	18.33	18.16			
5	256QAM	12	0	18.18	18.16	18.08			
5	256QAM	12	7	18.25	18.26	18.01	19.9		0
5	256QAM	12	13	18.09	18.29	18.22			
5	256QAM	25	0	18.13	18.15	18.14			

Band 41 PC3 Ant1 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				39760	40185	40620	41055	41490	18.3	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	16.53	16.58	16.73	16.44	16.35	18.3	0
20	QPSK	1	49	16.43	16.46	16.61	16.41	16.34		
20	QPSK	1	99	16.55	16.60	16.64	16.47	16.37		
20	QPSK	50	0	16.62	16.67	16.69	16.56	16.56		
20	QPSK	50	24	16.54	16.56	16.68	16.50	16.49	18.3	0
20	QPSK	50	50	16.39	16.39	16.56	16.35	16.43		
20	QPSK	100	0	16.68	16.59	16.71	16.57	16.48		
20	16QAM	1	0	16.62	16.60	16.70	16.54	16.51		
20	16QAM	1	49	16.48	16.45	16.59	16.32	16.36	18.3	0
20	16QAM	1	99	16.60	16.53	16.70	16.44	16.53		
20	16QAM	50	0	16.57	16.63	16.67	16.49	16.52		
20	16QAM	50	24	16.49	16.60	16.62	16.39	16.39		
20	16QAM	50	50	16.54	16.58	16.67	16.47	16.41	18.3	0
20	16QAM	100	0	16.38	16.42	16.55	16.33	16.36		
20	64QAM	1	0	16.57	16.53	16.63	16.48	16.44		
20	64QAM	1	49	16.62	16.53	16.69	16.51	16.52		
20	64QAM	1	99	16.53	16.61	16.64	16.46	16.52	18.3	0
20	64QAM	50	0	16.51	16.53	16.66	16.46	16.45		
20	64QAM	50	24	16.55	16.52	16.64	16.49	16.41		
20	64QAM	50	50	16.63	16.51	16.66	16.41	16.48		
20	64QAM	100	0	16.46	16.52	16.58	16.32	16.44	18.3	0
20	256QAM	1	0	16.57	16.48	16.63	16.38	16.42		
20	256QAM	1	49	16.68	16.62	16.71	16.55	16.52		
20	256QAM	1	99	16.58	16.46	16.61	16.39	16.40		
20	256QAM	50	0	16.66	16.60	16.71	16.47	16.49	18.3	0
20	256QAM	50	24	16.45	16.46	16.62	16.38	16.46		
20	256QAM	50	50	16.44	16.53	16.57	16.44	16.42		
20	256QAM	100	0	16.60	16.52	16.69	16.52	16.42		
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	16.40	16.43	16.67	16.34	16.39	18.30	0
15	QPSK	1	37	16.40	16.39	16.44	16.39	16.38		
15	QPSK	1	74	16.52	16.45	16.58	16.30	16.33		
15	QPSK	36	0	16.48	16.60	16.58	16.44	16.42		
15	QPSK	36	20	16.49	16.39	16.54	16.36	16.35	18.3	0
15	QPSK	36	39	16.32	16.33	16.52	16.38	16.30		
15	QPSK	75	0	16.53	16.56	16.56	16.50	16.40		
15	16QAM	1	0	16.54	16.49	16.67	16.46	16.36		
15	16QAM	1	37	16.37	16.31	16.49	16.39	16.36	18.3	0
15	16QAM	1	74	16.51	16.47	16.65	16.39	16.45		
15	16QAM	36	0	16.51	16.57	16.60	16.36	16.43		
15	16QAM	36	20	16.40	16.45	16.56	16.36	16.32		
15	16QAM	36	39	16.47	16.47	16.51	16.31	16.33	18.3	0
15	16QAM	75	0	16.34	16.34	16.38	16.37	16.32		
15	64QAM	1	0	16.50	16.35	16.59	16.41	16.42		
15	64QAM	1	37	16.57	16.43	16.60	16.39	16.36		
15	64QAM	1	74	16.50	16.54	16.47	16.42	16.38	18.3	0
15	64QAM	36	0	16.39	16.36	16.31	16.38	16.36		
15	64QAM	36	20	16.53	16.35	16.61	16.36	16.33		
15	64QAM	36	39	16.46	16.41	16.50	16.33	16.44		
15	64QAM	75	0	16.43	16.46	16.45	16.33	16.31	18.3	0
15	256QAM	1	0	16.43	16.39	16.47	16.34	16.37		
15	256QAM	1	37	16.57	16.59	16.56	16.51	16.38		
15	256QAM	1	74	16.53	16.31	16.47	16.39	16.35		
15	256QAM	36	0	16.58	16.55	16.59	16.36	16.34	18.3	0
15	256QAM	36	20	16.31	16.34	16.58	16.32	16.32		
15	256QAM	36	39	16.39	16.45	16.52	16.35	16.36		
15	256QAM	75	0	16.45	16.49	16.56	16.41	16.37		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	16.50	16.55	16.56	16.39	16.32	18.30	0
10	QPSK	1	25	16.35	16.44	16.52	16.35	16.31		
10	QPSK	1	49	16.48	16.52	16.53	16.44	16.39		
10	QPSK	25	0	16.45	16.53	16.53	16.50	16.44		
10	QPSK	25	12	16.37	16.54	16.57	16.42	16.41	18.3	0
10	QPSK	25	25	16.32	16.32	16.52	16.32	16.37		
10	QPSK	50	0	16.63	16.54	16.61	16.48	16.37		
10	16QAM	1	0	16.51	16.46	16.58	16.50	16.34		
10	16QAM	1	25	16.44	16.39	16.43	16.35	16.38	18.3	0
10	16QAM	1	49	16.52	16.49	16.59	16.34	16.35		
10	16QAM	25	0	16.44	16.57	16.56	16.43	16.39		
10	16QAM	25	12	16.40	16.44	16.57	16.35	16.32		
10	16QAM	25	25	16.51	16.42	16.56	16.31	16.32	18.3	0
10	16QAM	50	0	16.36	16.37	16.42	16.36	16.31		
10	64QAM	1	0	16.53	16.48	16.53	16.40	16.36		
10	64QAM	1	49	16.49	16.47	16.50	16.31	16.41		
10	64QAM	25	0	16.40	16.45	16.60	16.30	16.31	18.3	0
10	64QAM	25	12	16.39	16.42	16.56	16.42	16.33		
10	64QAM	25	25	16.58	16.38	16.56	16.47	16.40		
10	64QAM	50	0	16.32	16.44	16.52	16.32	16.38		
10	256QAM	1	0	16.54	16.37	16.47	16.35	16.39	18.3	0
10	256QAM	1	25	16.62	16.51	16.56	16.50	16.41		
10	256QAM	1	49	16.55	16.33	16.46	16.37	16.38		
10	256QAM	25	0	16.61	16.52	16.60	16.34	16.41		
10	256QAM	25	12	16.37	16.35	16.47	16.39	16.31	18.3	0
10	256QAM	25	25	16.37	16.46	16.43	16.30	16.31		
10	256QAM	50	0	16.43	16.44	16.45	16.46	16.35		
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2545.8	2593	2640.0	2687.5		
5	QPSK	1	0	16.41	16.53	16.57	16.38	16.37	18.30	0
5	QPSK	1	12	16.39	16.39	16.44	16.33	16.32		
5	QPSK	1	24	16.47	16.54	16.55	16.40	16.31		
5	QPSK	12	0	16.45	16.50	16.63	16.46	16.54		
5	QPSK	12	7	16.39	16.46	16.57	16.47	16.33	18.3	0
5	QPSK	12	13	16.32	16.38	16.43	16.38	16.32		
5	QPSK	25	0	16.62	16.53	16.54	16.40	16.33		
5	16QAM	1	0	16.51	16.52	16.66	16.38	16.40		
5	16QAM	1	12	16.45	16.37	16.51	16.36	16.37	18.3	0
5	16QAM	1	24	16.45	16.45	16.57	16.35	16.43		
5	16QAM	12	0	16.40	16.46	16.63	16.33	16.44		
5	16QAM	12	7	16.47	16.51	16.57	16.34	16.37		
5	16QAM	12	13	16.48	16.48	16.61	16.35	16.34	18.3	0
5	16QAM	25	0	16.38	16.39	16.42	16.30	16.31		
5	64QAM	1	0	16.53	16.44	16.46	16.46	16.39		
5	64QAM	1	12	16.59	16.40	16.53	16.38	16.43		
5	64QAM	1	24	16.38	16.51	16.59	16.34	16.46	18.3	0
5	64QAM	12	0	16.44	16.41	16.50	16.36	16.32		
5	64QAM	12	7	16.40	16.35	16.60	16.33	16.34		
5	64QAM	12	13	16.57	16.43	16.49	16.44	16.42		
5	64QAM	25	0	16.43	16.46	16.45	16.32	16.34	18.3	0
5	256QAM	1	0	16.40	16.32	16.58	16.38	16.39		
5	256QAM	1	12	16.55	16.45	16.55	16.49	16.43		
5	256QAM	1	24	16.49	16.40	16.44	16.35	16.32		
5	256QAM	12	0	16.52	16.46	16.55	16.36	16.43	18.3	0
5	256QAM	12	7	16.33	16.33	16.54	16.36	16.38		
5	256QAM	12	13	16.37	16.51	16.52	16.41	16.30		
5	256QAM	25	0	16.56	16.47	16.59	16.48	16.39		

Band 42 Part96 Ant2 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				43190	43340	43490			
Frequency (MHz)				3560	3575	3590			
20	QPSK	1	0	20.32	20.57	20.23	21.1	0	
20	QPSK	1	49	20.20	20.37	20.34			
20	QPSK	1	99	20.09	20.41	20.18			
20	QPSK	50	0	20.20	20.50	20.28	21.1	0	
20	QPSK	50	24	20.24	20.26	20.22			
20	QPSK	50	50	20.24	20.28	20.28			
20	QPSK	100	0	20.10	20.42	20.36	21.1	0	
20	16QAM	1	0	20.26	20.27	20.18			
20	16QAM	1	49	20.19	20.32	20.13			
20	16QAM	1	99	20.02	20.14	19.97	21.1	0	
20	16QAM	50	0	20.35	20.18	20.16			
20	16QAM	50	24	20.35	20.16	20.27			
20	16QAM	50	50	19.96	20.35	20.14	21.1	0	
20	16QAM	100	0	19.54	19.57	19.58			
20	64QAM	1	0	20.25	20.38	20.32			
20	64QAM	1	49	20.31	20.30	20.27	21.1	0	
20	64QAM	1	99	20.18	20.31	20.10			
20	64QAM	50	0	20.26	20.28	20.20			
20	64QAM	50	24	20.34	20.24	20.23	20.5	0.6	
20	64QAM	50	50	20.35	20.33	20.21			
20	64QAM	100	0	18.57	18.58	18.60			
20	256QAM	1	0	18.38	18.49	18.46	19	2.1	
20	256QAM	1	49	18.41	18.38	18.42			
20	256QAM	1	99	18.17	18.31	18.20			
20	256QAM	50	0	18.24	18.57	18.33	19	2.1	
20	256QAM	50	24	18.55	18.48	18.52			
20	256QAM	50	50	18.29	18.37	18.28			
20	256QAM	100	0	18.48	18.43	18.50			
Channel				43165	43340	43515	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3557.5	3575	3592.5			
15	QPSK	1	0	20.39	20.44	20.22	21.1	0	
15	QPSK	1	37	20.23	20.28	20.15			
15	QPSK	1	74	20.03	20.29	20.09			
15	QPSK	36	0	20.33	20.29	20.06	21.1	0	
15	QPSK	36	20	20.29	20.19	20.15			
15	QPSK	36	39	20.11	20.21	20.15			
15	QPSK	75	0	20.04	20.24	20.13	21.1	0	
15	16QAM	1	0	20.14	20.32	20.34			
15	16QAM	1	37	20.08	20.16	20.11			
15	16QAM	1	74	19.92	20.11	20.05	21.1	0	
15	16QAM	36	0	20.30	20.14	20.23			
15	16QAM	36	20	20.19	20.16	20.16			
15	16QAM	36	39	20.02	20.21	20.12	21.1	0	
15	16QAM	75	0	20.21	20.24	20.22			
15	64QAM	1	0	20.28	20.34	20.16			
15	64QAM	1	37	20.08	20.23	20.29	21.1	0	
15	64QAM	1	74	20.10	20.19	20.08			
15	64QAM	36	0	20.19	20.35	20.35			
15	64QAM	36	20	20.28	20.28	20.32	20.5	0.6	
15	64QAM	36	39	20.25	20.33	20.20			
15	64QAM	75	0	20.26	20.24	20.15			
15	256QAM	1	0	18.40	18.50	18.25	19	2.1	
15	256QAM	1	37	18.35	18.34	18.25			
15	256QAM	1	74	18.30	18.18	18.22			
15	256QAM	36	0	18.33	18.44	18.31	19	2.1	
15	256QAM	36	20	18.19	18.49	18.29			
15	256QAM	36	39	18.09	18.24	18.18			
15	256QAM	75	0	18.20	18.24	18.31			
Channel				43140	43340	43540	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3555	3575	3595			
10	QPSK	1	0	20.37	20.30	20.25	21.1	0	
10	QPSK	1	25	20.13	20.16	20.15			
10	QPSK	1	49	20.17	20.26	20.16			
10	QPSK	25	0	20.27	20.42	20.17	21.1	0	
10	QPSK	25	12	20.16	20.44	20.10			
10	QPSK	25	25	20.05	20.27	20.14			
10	QPSK	50	0	20.19	20.36	20.23	21.1	0	
10	16QAM	1	0	20.13	20.24	20.24			
10	16QAM	1	25	20.19	20.32	20.12			
10	16QAM	1	49	19.94	20.25	20.02	21.1	0	
10	16QAM	25	0	20.27	20.25	20.18			
10	16QAM	25	12	20.20	20.29	20.12			
10	16QAM	25	25	20.10	20.08	20.09	21.1	0	
10	16QAM	50	0	20.20	20.26	20.28			
10	64QAM	1	0	20.05	20.23	20.10			
10	64QAM	1	25	20.22	20.14	20.31	21.1	0	
10	64QAM	1	49	20.08	20.13	20.05			
10	64QAM	25	0	20.30	20.37	20.41			
10	64QAM	25	12	20.28	20.28	20.37	20.5	0.6	
10	64QAM	25	25	20.12	20.30	20.22			
10	64QAM	50	0	20.10	20.30	20.22			
10	256QAM	1	0	18.32	18.45	18.29	19	2.1	
10	256QAM	1	25	18.40	18.37	18.20			
10	256QAM	1	49	18.24	18.22	18.23			
10	256QAM	25	0	18.36	18.42	18.26	19	2.1	
10	256QAM	25	12	18.22	18.38	18.33			
10	256QAM	25	25	18.22	18.26	18.23			
10	256QAM	50	0	18.19	18.40	18.25			
Channel				43115	43340	43565	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3552.5	3575	3597.5			
5	QPSK	1	0	20.38	20.34	20.22	21.1	0	
5	QPSK	1	12	20.19	20.13	20.20			
5	QPSK	1	24	20.22	20.19	19.99			
5	QPSK	12	0	20.27	20.40	20.19	21.1	0	
5	QPSK	12	7	20.16	20.23	20.11			
5	QPSK	12	13	20.20	20.19	20.18			
5	QPSK	25	0	20.10	20.36	20.15	21.1	0	
5	16QAM	1	0	20.21	20.23	20.23			
5	16QAM	1	12	20.16	20.25	20.15			
5	16QAM	1	24	20.07	20.15	19.97	21.1	0	
5	16QAM	12	0	20.38	20.42	20.17			
5	16QAM	12	7	20.06	20.30	20.07			
5	16QAM	12	13	20.06	20.20	20.09	21.1	0	
5	16QAM	25	0	20.12	20.25	20.22			
5	64QAM	1	0	20.15	20.23	20.20			
5	64QAM	1	12	20.27	20.28	20.31	21.1	0	
5	64QAM	1	24	20.10	20.26	20.04			
5	64QAM	12	0	20.28	20.33	20.37			
5	64QAM	12	7	20.29	20.28	20.36	20.5	0.6	
5	64QAM	12	13	20.05	20.34	20.25			
5	64QAM	25	0	20.25	20.37	20.25			
5	256QAM	1	0	18.33	18.54	18.26	19	2.1	
5	256QAM	1	12	18.29	18.39	18.32			
5	256QAM	1	24	18.33	18.24	18.20			
5	256QAM	12	0	18.22	18.43	18.38	19	2.1	
5	256QAM	12	7	18.29	18.37	18.24			
5	256QAM	12	13	18.09	18.11	18.20			
5	256QAM	25	0	18.20	18.41	18.17			

Band 43 Ant2 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 Frequency (MHz)				43590 3610	43990 3650	44390 3690			
20	QPSK	1	0	20.51	20.73	20.49	21.1	0	
20	QPSK	1	49	20.54	20.43	20.38			
20	QPSK	1	99	20.53	20.54	20.49			
20	QPSK	50	0	20.50	20.69	20.58			
20	QPSK	50	24	20.62	20.67	20.57	21.1	0	
20	QPSK	50	50	20.56	20.48	20.46			
20	QPSK	100	0	20.51	20.65	20.55			
20	16QAM	1	0	20.42	20.44	20.48			
20	16QAM	1	49	20.52	20.47	20.33	21.1	0	
20	16QAM	1	99	20.34	20.59	20.50			
20	16QAM	50	0	20.30	20.48	20.22			
20	16QAM	50	24	20.36	20.37	20.27			
20	16QAM	50	50	20.28	20.33	20.33	21.1	0	
20	16QAM	100	0	19.54	19.58	19.70			
20	64QAM	1	0	20.61	20.55	20.51			
20	64QAM	1	49	20.48	20.50	20.45			
20	64QAM	1	99	20.55	20.54	20.65	21.1	0	
20	64QAM	50	0	20.36	20.44	20.35			
20	64QAM	50	24	20.37	20.45	20.49			
20	64QAM	50	50	20.40	20.47	20.37			
20	64QAM	100	0	18.66	18.70	18.64	20.5	0.6	
20	256QAM	1	0	18.45	18.46	18.43			
20	256QAM	1	49	18.40	18.68	18.48			
20	256QAM	1	99	18.35	18.52	18.40			
20	256QAM	50	0	18.50	18.60	18.64	19	2.1	
20	256QAM	50	24	18.58	18.68	18.67			
20	256QAM	50	50	18.45	18.53	18.53			
20	256QAM	100	0	18.61	18.57	18.64			
Channel Frequency (MHz)				43565 3607.5	43990 3650	44415 3692.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	20.49	20.68	20.46	21.1	0	
15	QPSK	1	37	20.32	20.40	20.35			
15	QPSK	1	74	20.23	20.61	20.48			
15	QPSK	36	0	20.45	20.44	20.36			
15	QPSK	36	20	20.45	20.56	20.41	21.1	0	
15	QPSK	36	39	20.48	20.45	20.33			
15	QPSK	75	0	20.33	20.58	20.45			
15	16QAM	1	0	20.48	20.28	20.41			
15	16QAM	1	37	20.31	20.36	20.18	21.1	0	
15	16QAM	1	74	20.28	20.59	20.38			
15	16QAM	36	0	20.20	20.30	20.16			
15	16QAM	36	20	20.14	20.27	20.28			
15	16QAM	36	39	20.30	20.22	20.24	21.1	0	
15	16QAM	75	0	20.25	20.37	20.27			
15	64QAM	1	0	20.46	20.46	20.38			
15	64QAM	1	37	20.37	20.47	20.44			
15	64QAM	1	74	20.43	20.45	20.47	21.1	0	
15	64QAM	36	0	20.35	20.46	20.28			
15	64QAM	36	20	20.24	20.48	20.36			
15	64QAM	36	39	20.45	20.40	20.32			
15	64QAM	75	0	20.27	20.40	20.29	20.5	0.6	
15	256QAM	1	0	18.30	18.37	18.39			
15	256QAM	1	37	18.47	18.54	18.42			
15	256QAM	1	74	18.37	18.50	18.39			
15	256QAM	36	0	18.50	18.53	18.48	19	2.1	
15	256QAM	36	20	18.53	18.56	18.55			
15	256QAM	36	39	18.47	18.57	18.46			
15	256QAM	75	0	18.46	18.66	18.52			
Channel Frequency (MHz)				43540 3605	43990 3650	44440 3695	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	20.47	20.47	20.45	21.1	0	
10	QPSK	1	25	20.26	20.36	20.45			
10	QPSK	1	49	20.30	20.43	20.48			
10	QPSK	25	0	20.39	20.51	20.50			
10	QPSK	25	12	20.44	20.51	20.32	21.1	0	
10	QPSK	25	25	20.37	20.43	20.44			
10	QPSK	50	0	20.40	20.43	20.36			
10	16QAM	1	0	20.30	20.31	20.34			
10	16QAM	1	25	20.43	20.53	20.29	21.1	0	
10	16QAM	1	49	20.34	20.45	20.42			
10	16QAM	25	0	20.07	20.32	20.12			
10	16QAM	25	12	20.18	20.38	20.36			
10	16QAM	25	25	20.31	20.31	20.15	21.1	0	
10	16QAM	50	0	20.17	20.25	20.18			
10	64QAM	1	0	20.41	20.59	20.41			
10	64QAM	1	25	20.53	20.48	20.39			
10	64QAM	1	49	20.39	20.49	20.46	21.1	0	
10	64QAM	25	0	20.37	20.42	20.29			
10	64QAM	25	12	20.18	20.45	20.32			
10	64QAM	25	25	20.39	20.41	20.32			
10	64QAM	50	0	20.49	20.48	20.47	20.5	0.6	
10	256QAM	1	0	18.40	18.36	18.39			
10	256QAM	1	25	18.45	18.42	18.46			
10	256QAM	1	49	18.37	18.36	18.38			
10	256QAM	25	0	18.34	18.63	18.41	19	2.1	
10	256QAM	25	12	18.44	18.59	18.59			
10	256QAM	25	25	18.53	18.54	18.51			
10	256QAM	50	0	18.54	18.44	18.43			
Channel Frequency (MHz)				43515 3602.5	43990 3650	44465 3697.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	20.54	20.50	20.47	21.1	0	
5	QPSK	1	12	20.41	20.51	20.29			
5	QPSK	1	24	20.31	20.43	20.42			
5	QPSK	12	0	20.36	20.63	20.44			
5	QPSK	12	7	20.44	20.61	20.31	21.1	0	
5	QPSK	12	13	20.34	20.52	20.34			
5	QPSK	25	0	20.44	20.59	20.46			
5	16QAM	1	0	20.32	20.25	20.26			
5	16QAM	1	12	20.34	20.46	20.36	21.1	0	
5	16QAM	1	24	20.32	20.51	20.33			
5	16QAM	12	0	20.13	20.22	20.12			
5	16QAM	12	7	20.16	20.40	20.28			
5	16QAM	12	13	20.27	20.39	20.12	21.1	0	
5	16QAM	25	0	20.24	20.33	20.25			
5	64QAM	1	0	20.36	20.59	20.45			
5	64QAM	1	12	20.47	20.52	20.39			
5	64QAM	1	24	20.47	20.56	20.45	21.1	0	
5	64QAM	12	0	20.30	20.43	20.22			
5	64QAM	12	7	20.28	20.35	20.30			
5	64QAM	12	13	20.29	20.49	20.39			
5	64QAM	25	0	20.39	20.39	20.31	20.5	0.6	
5	256QAM	1	0	18.36	18.38	18.33			
5	256QAM	1	12	18.40	18.58	18.58			
5	256QAM	1	24	18.38	18.32	18.36			
5	256QAM	12	0	18.51	18.54	18.44	19	2.1	
5	256QAM	12	7	18.58	18.63	18.63			
5	256QAM	12	13	18.54	18.54	18.46			
5	256QAM	25	0	18.40	18.66	18.53			

Reduced Power for DSI3 Standalone

GSM850 An10 DSI3 Standalone								
GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			
TX Channel	126	160	251		126	160	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.66	32.75	32.55		33.50	23.66	23.75	23.55
GPRS 1 Tx slot	32.56	32.74	32.43	33.50	23.56	23.74	23.43	24.50
GPRS 2 Tx slots	29.78	29.98	29.66	31.00	23.78	23.98	23.66	25.00
GPRS 3 Tx slots	28.12	28.11	27.94	29.00	23.66	23.65	23.68	24.74
GPRS 4 Tx slots	26.63	26.78	26.37	27.00	23.63	23.78	23.37	24.00
EDGE 1 Tx slot	25.74	25.82	25.62	26.50	16.74	16.82	16.62	17.50
EDGE 2 Tx slots	24.06	24.16	23.93	25.00	16.06	16.16	15.93	19.00
EDGE 3 Tx slots	22.77	22.82	22.59	23.50	16.51	16.56	16.33	19.54
EDGE 4 Tx slots	20.76	20.80	20.65	22.00	17.76	17.80	17.65	19.00

GSM1900 An10 DSI3 Standalone								
GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)		Tune-up Limit (dBm)	
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1860	1909.8		1850.2	1860	1909.8	
CSM	30.00	29.70	29.76		30.00	20.70	20.76	
GPRS 1 Tx slot	29.63	29.68	29.50	30.00	20.63	20.68	20.50	21.00
GPRS 2 Tx slots	26.17	26.28	26.07	27.00	20.17	20.28	20.07	21.00
GPRS 3 Tx slots	24.45	24.55	24.33	25.00	20.19	20.29	20.07	20.74
GPRS 4 Tx slots	22.08	22.23	22.08	24.00	19.08	19.23	19.08	21.00
EDGE 1 Tx slot	25.32	25.36	25.18	25.50	16.32	16.36	16.18	16.50
EDGE 2 Tx slots	23.54	23.65	23.40	24.00	17.54	17.65	17.40	18.00
EDGE 3 Tx slots	22.35	22.47	22.29	23.00	16.09	16.21	16.03	16.74
EDGE 4 Tx slots	20.10	20.23	19.99	20.50	17.10	17.23	16.99	17.50

WCDMA R An10 DSI3 Standalone							WCDMA T An10 DSI3 Standalone							WCDMA V An10 DSI3 Standalone						
Band	WCDMA R			Tune-up Limit (dBm)	WCDMA T			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)		WCDMA V			Tune-up Limit (dBm)			
	9262	9490	9538		1312	1413	1513		4132	4182	4233			4132	4182	4233				
TX Channel	9662	9800	9938		1537	1638	1738		4357	4407	4458			4357	4407	4458				
Frequency (MHz)	1922.4	1930	1937.6		1712.4	1722.5	1732.6		1922.4	1930	1937.6			1922.4	1930	1937.6				
3GPP Rel 99	19.71	19.89	19.55	20.70	18.14	18.29	18.24	19.50	23.07	23.16	23.02	24.00		23.07	23.16	23.02	24.00			
3GPP Rel 99	RMC 12.2Kbps	19.85	19.92	19.67	20.70	18.23	18.44	18.35	19.50	23.26	23.32	23.14	24.00		23.26	23.32	23.14	24.00		
3GPP Rel 6	HSDPA Subtest-1	19.01	18.94	18.90	19.70	17.53	17.47	17.48	18.50	22.24	22.30	22.25	23.00		22.24	22.30	22.25	23.00		
3GPP Rel 6	HSDPA Subtest-2	18.80	18.96	19.01	19.70	17.20	17.37	17.49	18.50	22.11	22.22	22.23	23.00		22.11	22.22	22.23	23.00		
3GPP Rel 6	HSDPA Subtest-3	18.51	18.52	18.16	19.20	17.00	17.01	16.84	18.00	21.74	21.83	21.54	22.50		21.74	21.83	21.54	22.50		
3GPP Rel 6	HSDPA Subtest-4	18.50	18.46	18.51	19.20	16.96	17.01	16.95	18.00	21.72	21.78	21.75	22.50		21.72	21.78	21.75	22.50		
3GPP Rel 6	DC-HSDPA Subtest-1	18.98	19.02	18.98	19.70	17.49	17.58	17.47	18.50	22.23	22.42	22.20	23.00		22.23	22.42	22.20	23.00		
3GPP Rel 6	DC-HSDPA Subtest-2	19.19	19.08	18.99	19.70	17.58	17.55	17.51	18.50	22.45	22.34	22.32	23.00		22.45	22.34	22.32	23.00		
3GPP Rel 6	DC-HSDPA Subtest-3	18.34	18.57	18.45	19.20	17.00	17.14	17.08	18.00	21.77	21.91	21.83	22.50		21.77	21.91	21.83	22.50		
3GPP Rel 6	DC-HSDPA Subtest-4	18.64	18.51	18.22	19.20	17.05	17.11	16.74	18.00	21.86	21.97	21.53	22.50		21.86	21.97	21.53	22.50		
3GPP Rel 6	HSUPA Subtest-1	19.11	19.03	18.93	19.70	17.63	17.63	17.42	18.50	22.37	22.33	22.16	23.00		22.37	22.33	22.16	23.00		
3GPP Rel 6	HSUPA Subtest-2	17.05	17.11	16.83	17.70	15.61	15.57	15.34	16.50	20.33	20.43	20.13	21.00		20.33	20.43	20.13	21.00		
3GPP Rel 6	HSUPA Subtest-4	17.86	18.17	18.00	18.70	16.24	16.55	16.46	17.50	21.09	21.30	21.30	22.00		21.09	21.30	21.30	22.00		
3GPP Rel 6	HSUPA Subtest-5	16.76	16.95	16.79	17.70	15.15	15.48	15.26	16.50	20.02	20.16	20.04	21.00		20.02	20.16	20.04	21.00		
3GPP Rel 6	HSUPA Subtest-5	16.66	16.94	16.61	19.70	17.18	17.57	17.34	18.50	21.91	22.18	22.13	23.00		21.91	22.18	22.13	23.00		



Band 2 Ant0 DS13 Standalone											
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Turn-up Int (sec)	MPR (dB)		
Channel											
1860 1861 1862 1863 1864 1865 1866 1867 1868 1869 1870											
20	QPSK	1	0	19.85	19.88	19.78	21.2	0			
20	QPSK	1	49	19.83	19.89	19.84					
20	QPSK	1	99	19.72	19.82	19.84					
20	QPSK	1	149	19.74	19.84	19.86					
20	QPSK	50	50	19.78	19.77	19.69	21.2	0			
20	QPSK	100	0	19.83	19.82	19.80					
20	QPSK	100	49	19.87	19.87	19.87					
20	16QAM	1	49	19.73	19.75	19.87					
20	16QAM	50	99	19.81	19.83	19.82	21.2	0			
20	16QAM	50	49	19.87	19.87	19.87					
20	16QAM	50	24	19.72	19.73	19.77					
20	16QAM	50	50	19.76	19.75	19.84					
20	16QAM	100	0	19.86	19.87	19.93	21.2	0			
20	16QAM	1	0	19.86	19.81	19.84					
20	16QAM	1	99	19.85	19.90	19.92					
20	16QAM	50	0	19.89	19.90	19.97					
20	64QAM	1	0	19.86	19.82	19.86	21.2	0			
20	64QAM	50	49	19.86	19.87	19.87					
20	64QAM	50	24	19.89	19.90	19.85					
20	64QAM	50	50	19.83	19.81	19.73					
20	256QAM	1	49	19.49	19.53	19.46	20	1.2			
20	256QAM	1	99	19.48	19.50	19.43					
20	256QAM	50	0	19.47	19.49	19.43					
20	256QAM	50	24	19.46	19.44	19.45					
20	256QAM	50	50	19.44	19.39	19.36	20	1.2			
20	256QAM	100	0	19.43	19.48	19.49					
Channel				18675	18680	19010	19015	Turn-up Int (sec)	MPR (dB)		
Frequency (MHz)											
15	QPSK	1	0	19.70	19.87	19.75	21.2	0			
15	QPSK	1	37	19.62	19.68	19.59					
15	QPSK	1	74	19.68	19.71	19.71					
15	QPSK	36	0	19.68	19.83	19.82					
15	QPSK	36	20	19.78	19.87	19.86	21.2	0			
15	QPSK	36	49	19.83	19.82	19.82					
15	QPSK	75	0	19.81	19.83	19.73					
15	16QAM	1	37	19.79	19.70	19.82					
15	16QAM	1	74	19.80	19.89	19.86	21.2	0			
15	16QAM	36	0	19.76	19.72	19.80					
15	16QAM	36	20	19.65	19.71	19.71					
15	16QAM	75	0	19.79	19.80	19.80					
15	64QAM	1	0	19.84	19.82	19.86	21.2	0			
15	64QAM	1	49	19.82	19.83	19.87					
15	64QAM	1	74	19.80	19.79	19.83					
15	64QAM	36	0	19.88	19.77	19.71					
15	256QAM	1	0	19.81	19.82	19.82	21.2	0			
15	256QAM	36	39	19.81	19.71	19.86					
15	256QAM	75	0	19.74	19.81	19.84					
15	256QAM	1	0	19.41	19.35	19.35					
15	256QAM	1	37	19.42	19.44	19.44	20	1.2			
15	256QAM	1	74	19.38	19.40	19.40					
15	256QAM	36	19	19.43	19.35	19.40					
15	256QAM	36	20	19.38	19.42	19.41					
15	256QAM	75	0	19.41	19.42	19.40	20	1.2			
15	256QAM	75	0	19.41	19.42	19.40					
Channel				18915	18920	19010	19015	Turn-up Int (sec)	MPR (dB)		
Frequency (MHz)											
15	QPSK	1	0	19.72	19.97	19.87	21.2	0			
15	QPSK	1	12	19.61	19.74	19.54					
15	QPSK	1	25	19.68	19.74	19.74					
15	QPSK	12	0	19.80	19.90	19.83					
15	QPSK	12	7	19.75	19.74	19.89	21.2	0			
15	QPSK	12	19	19.67	19.69	19.84					
15	QPSK	25	0	19.79	19.69	19.77					
15	QPSK	25	0	19.77	19.75	19.75					
15	16QAM	1	12	19.75	19.81	19.86	21.2	0			
15	16QAM	1	24	19.57	19.51	19.54					
15	16QAM	1	37	19.74	19.72	19.71					
15	16QAM	12	7	19.63	19.70	19.62					
15	16QAM	12	13	19.72	19.77	19.54	21.2	0			
15	16QAM	12	19	19.69	19.76	19.84					
15	16QAM	1	0	19.91	19.93	19.86					
15	16QAM	1	12	19.72	19.87	19.86					
15	16QAM	12	7	19.75	19.78	19.79	21.2	0			
15	16QAM	12	13	19.74	19.76	19.81					
15	16QAM	25	0	19.73	19.74	19.84					
15	16QAM	25	0	19.74	19.74	19.83					
15	256QAM	1	12	19.39	19.44	19.41	20	1.2			
15	256QAM	1	24	19.33	19.43	19.40					
15	256QAM	1	37	19.44	19.44	19.52					
15	256QAM	12	7	19.40	19.33	19.40					
15	256QAM	12	13	19.46	19.36	19.33	20	1.2			
15	256QAM	12	13	19.46	19.36	19.33					
Channel				18915	18960	19010	19015	Turn-up Int (sec)	MPR (dB)		
Frequency (MHz)											
3	QPSK	1	0	19.84	19.84	19.84	21.2	0			
3	QPSK	1	8	19.84	19.74	19.81					
3	QPSK	1	14	19.80	19.74	19.70					
3	QPSK	8	0	19.85	19.87	19.89					
3	QPSK	8	7	19.82	19.81	19.86	21.2	0			
3	16QAM	1	0	19.81	19.82	19.76					
3	16QAM	1	8	19.78	19.72	19.85					
3	16QAM	1	8	19.88	19.71	19.83					
3	16QAM	8	7	19.74	19.72	19.81	21.2	0			
3	16QAM	8	4	19.86	19.73	19.86					
3	16QAM	8	4	19.82	19.84	19.71					
3	16QAM	15	0	19.71	19.79	19.79					
3	16QAM	15	0	19.82	19.88	19.81	21.2	0			
3	16QAM	15	0	19.86	19.82	19.82					
3	16QAM	1	8	19.71	19.88	19.95					
3	16QAM	1	14	19.73	19.84	19.79					
3	16QAM	8	4	19.85	19.83	19.81	21.2	0			
3	16QAM	8	4	19.78	19.77	19.75					
3	16QAM	8	7	19.89	19.70	19.71					
3	16QAM	8	7	19.84	19.73	19.79					
3	16QAM	1	0	19.83	19.82	19.59	20	1.2			
3	256QAM	1	8	19.41	19.46	19.40					
3	256QAM	1	14	19.46	19.32	19.40					
3	256QAM	8	0	19.42	19.49	19.46					
3	256QAM	8	7	19.43	19.37	19.40	20	1.2			
3	256QAM	8	7	19.41	19.31	19.29					
3	256QAM	15	0	19.38	19.38	19.39					
3	256QAM	15	0	19.38	19.38	19.39					
Channel				18970	18980	19000	19005	Turn-up Int (sec)	MPR (dB)		
Frequency (MHz)											
1.4	QPSK	1	0	19.71	19.84	19.71	21.2	0			
1.4	QPSK	1	8	19.87	19.86	19.86					
1.4	QPSK	1	5	19.57	19.69	19.71					
1.4	QPSK	3	0	19.66	19.68	19.68					
1.4	QPSK	3	0	19.75	19.66	19.66	21.2	0			
1.4	QPSK	3	3	19.66	19.68	19.59					
1.4	QPSK	3	3	19.71	19.69	19.70					
1.4	QPSK	15	0	19.86	19.82	19.82					
1.4	16QAM	1	0	19.91	19.94	19.90	21.2	0			
1.4	16QAM	1	8	19.87	19.87	19.87					
1.4	16QAM	1	5	19.84	19.85	19.85					
1.4	16QAM	3	0	19.87	19.82	19.81					
1.4	16QAM	3	0	19.78	19.68	19.63	21.2	0			
1.4	16QAM	3	3	19.81	19.81	19.81					
1.4	16QAM	1	3	19.40	19.47	19.38					
1.4	256QAM	1	5	19.37	19.34	19.34					
1.4	256QAM	1	8	19.46	19.44	19.44	20	1.2			
1.4	256QAM	1	3	19.38	19.37	19.39					
1.4	256QAM	3	0	19.41	19.48	19.48					
1.4	256QAM	3	0	19.41	19.48	19.48					



Band 12 Ant0 DS13 Standalone														
BW (MHz)	Modulation	Channel	RB Offset	Power Low Ch / Freq.	Power Mode Ch / Freq.	Power High Ch / Freq.	Turn-up time (sec)	MPR (dB)						
Channel														
Frequency (MHz)														
10	QPSK	1	0	22.87	22.82	22.79	24	0						
10	QPSK	1	25	22.78	22.87	22.82								
10	QPSK	1	49	22.73	22.82	22.76								
10	QPSK	25	0	22.84	22.80	22.74								
10	QPSK	25	25	22.75	22.84	22.79	24	0						
10	QPSK	50	0	22.82	22.73	22.68								
10	QPSK	50	25	22.73	22.78	22.73								
10	16QAM	1	0	22.75	22.85	22.81								
10	16QAM	1	25	22.69	22.86	22.80	24	0						
10	16QAM	1	49	22.60	22.80	22.75								
10	16QAM	25	0	22.35	22.48	22.45								
10	16QAM	25	12	22.29	22.34	22.32								
10	16QAM	25	25	22.33	22.39	22.30	23.5	0.5						
10	16QAM	50	0	22.36	22.44	22.39								
10	16QAM	50	25	22.42	22.32	22.43								
10	64QAM	1	0	22.40	22.50	22.47								
10	64QAM	1	25	22.35	22.45	22.40	23.5	0.5						
10	64QAM	1	49	22.33	22.38	22.30								
10	64QAM	25	0	21.33	21.46	21.38								
10	64QAM	25	12	21.23	21.28	21.24								
10	64QAM	25	25	21.26	21.21	21.22	22.5	1.5						
10	64QAM	50	0	21.30	21.41	21.35								
10	256QAM	1	0	19.53	19.61	19.52								
10	256QAM	1	25	19.46	19.48	19.46								
10	256QAM	1	49	19.40	19.44	19.35	20.5	3.5						
10	256QAM	25	0	19.34	19.44	19.35								
10	256QAM	25	12	19.37	19.35	19.35								
10	256QAM	25	25	19.35	19.25	19.24								
10	256QAM	50	0	19.38	19.37	19.38	19.5-19.5	MPR (dB)						
Channel														
Frequency (MHz)														
5	QPSK	1	0	22.83	22.83	22.69	24	0						
5	QPSK	1	25	22.78	22.87	22.82								
5	QPSK	1	49	22.68	22.69	22.69								
5	QPSK	12	0	22.78	22.81	22.83								
5	QPSK	12	7	22.68	22.74	22.76	24	0						
5	QPSK	12	13	22.59	22.59	22.63								
5	QPSK	25	0	22.74	22.77	22.79								
5	16QAM	1	12	22.54	22.58	22.56								
5	16QAM	1	24	22.49	22.49	22.53	24	0						
5	16QAM	12	0	22.39	22.57	22.29								
5	16QAM	12	7	22.21	22.26	22.21								
5	16QAM	25	0	21.23	21.23	21.23								
5	16QAM	25	0	22.23	22.35	22.28	23.5	0.5						
5	64QAM	1	0	22.29	22.44	22.38								
5	64QAM	1	24	22.29	22.52	22.15								
5	64QAM	12	0	21.23	21.36	21.30								
5	64QAM	12	13	21.14	21.12	21.08	22.5	1.5						
5	64QAM	25	0	21.23	21.33	21.35								
5	256QAM	1	12	19.27	19.46	19.36								
5	256QAM	1	24	19.27	19.31	19.32								
5	256QAM	12	0	19.21	19.35	19.22	20.5	3.5						
5	256QAM	12	7	19.16	19.24	19.24								
5	256QAM	25	0	19.25	19.30	19.27								
5	256QAM	25	0	19.25	19.30	19.27								
Channel														
Frequency (MHz)														
3	QPSK	1	0	22.83	22.80	22.72	24	0						
3	QPSK	1	8	22.75	22.82	22.78								
3	QPSK	1	16	22.68	22.77	22.70								
3	QPSK	8	0	22.79	22.77	22.69								
3	QPSK	8	4	22.65	22.74	22.64	24	0						
3	QPSK	8	12	22.54	22.81	22.61								
3	QPSK	16	0	22.80	22.77	22.73								
3	16QAM	1	0	22.63	22.77	22.76								
3	16QAM	1	8	22.60	22.81	22.69	24	0						
3	16QAM	1	14	22.49	22.46	22.54								
3	16QAM	8	0	22.30	22.37	22.36								
3	16QAM	8	4	22.18	22.30	22.22								
3	16QAM	8	7	22.24	22.27	22.07	23.5	0.5						
3	16QAM	16	0	22.33	22.30	22.30								
3	64QAM	1	0	22.32	22.45	22.30								
3	64QAM	1	8	22.29	22.25	22.24								
3	64QAM	1	14	21.26	21.41	21.30	22.5	1.5						
3	64QAM	8	4	21.16	21.14	21.09								
3	64QAM	8	7	21.18	21.15	21.15								
3	64QAM	16	0	21.27	21.36	21.33								
3	256QAM	1	0	19.40	19.56	19.42	20.5	3.5						
3	256QAM	1	8	19.31	19.35	19.30								
3	256QAM	1	14	19.28	19.40	19.25								
3	256QAM	8	0	19.22	19.24	19.14								
3	256QAM	8	7	19.10	19.16	19.14	20.5	3.5						
3	256QAM	16	0	19.24	19.25	19.24								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	22.83	22.80	22.72	24	0						
1.4	QPSK	1	3	22.69	22.75	22.69								
1.4	QPSK	1	5	22.66	22.84	22.73								
1.4	QPSK	3	1	22.80	22.70	22.67								
1.4	QPSK	3	3	22.61	22.65	22.64	24	0						
1.4	QPSK	6	0	22.77	22.78	22.67								
1.4	16QAM	1	0	22.60	22.80	22.74								
1.4	16QAM	1	3	22.59	22.82	22.66								
1.4	16QAM	3	0	22.63	22.76	22.71	24	0						
1.4	16QAM	3	1	22.21	22.43	22.28								
1.4	16QAM	3	1	22.20	22.26	22.21								
1.4	16QAM	6	0	22.26	22.31	22.08								
1.4	16QAM	6	0	22.32	22.41	22.31	23.5	0.5						
1.4	64QAM	1	0	22.36	22.61	22.37								
1.4	64QAM	1	3	22.29	22.27	22.30								
1.4	64QAM	1	6	22.23	22.34	22.18								
1.4	64QAM	3	0	22.27	22.34	22.31	22.5	1.5						
1.4	64QAM	3	0	21.24	21.50	21.25								
1.4	256QAM	1	0	19.40	19.50	19.40								
1.4	256QAM	1	3	19.41	19.57	19.39								
1.4	256QAM	1	6	19.35	19.41	19.24	20.5	3.5						
1.4	256QAM	3	0	19.22	19.39	19.21								
1.4	256QAM	3	0	19.21	19.24	19.20								
1.4	256QAM	3	3	19.06	19.11	19.20								
1.4	256QAM	6	0	19.25	19.28	19.32	20.5	3.5						
Channel														
Frequency (MHz)														

Band 13

Band 26 Ant0 DS13 Standalone											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mode Ch / Freq.	Power High Ch / Freq.	Tune-up Int. (dB)	MPR (dB)			
Channel											
Frequency (MHz)											
15	QPSK	1	0	22.42	22.42	22.48	23.5	0			
15	QPSK	1	37	22.42	22.42	22.43					
15	QPSK	1	74	22.38	22.50	22.38					
15	QPSK	3	0	22.40	22.44	22.39	23.5	0			
15	QPSK	36	20	22.35	22.43	22.34					
15	QPSK	36	36	22.41	22.47	22.39					
15	QPSK	75	0	22.25	22.40	22.35	23.5	0			
15	16QAM	1	0	22.41	22.55	22.43					
15	16QAM	1	37	22.42	22.46	22.41					
15	16QAM	14	22	22.37	22.39	22.38	23.5	0			
15	16QAM	36	0	21.94	22.03	21.90					
15	16QAM	36	20	21.87	21.87	21.87					
15	16QAM	36	36	21.79	21.86	21.81	23.5	0			
15	16QAM	75	0	21.84	21.94	21.88					
15	16QAM	1	0	21.95	22.04	21.95					
15	16QAM	1	37	21.93	21.88	21.83	23.5	0			
15	16QAM	1	74	21.79	21.85	21.79					
15	16QAM	3	0	20.80	20.87	20.80					
15	16QAM	36	20	20.80	20.80	20.81	22.5	1			
15	16QAM	36	36	20.75	20.81	20.78					
15	16QAM	75	0	20.83	20.98	20.90					
15	256QAM	1	0	19.00	19.07	19.00	20.5	3			
15	256QAM	1	37	18.84	18.90	18.93					
15	256QAM	14	24	18.82	18.82	18.85					
15	256QAM	36	0	18.89	18.98	18.85	20.5	3			
15	256QAM	36	20	18.82	18.82	18.85					
15	256QAM	36	36	18.83	18.74	18.78					
15	256QAM	75	0	18.80	18.87	18.79	20.5	3			
Channel		26740	26740	26740	Tune-up Int. (dB)	MPR (dB)					
Frequency (MHz)		811.5	811.5	844.0							
10	QPSK	1	0	22.53	22.57	22.39	23.5	0			
10	QPSK	1	25	22.37	22.39	22.37					
10	QPSK	1	49	22.24	22.38	22.32					
10	QPSK	25	0	22.38	22.43	22.39	23.5	0			
10	QPSK	25	12	22.23	22.31	22.30					
10	QPSK	25	25	22.34	22.40	22.32					
10	QPSK	50	0	22.13	22.26	22.23	23.5	0			
10	16QAM	1	0	22.37	22.44	22.32					
10	16QAM	1	25	22.31	22.33	22.27					
10	16QAM	1	49	22.27	22.26	22.21	23.5	0			
10	16QAM	25	0	21.84	21.99	21.84					
10	16QAM	25	12	21.75	21.77	21.82					
10	16QAM	25	25	21.84	21.82	21.87	23.5	0			
10	16QAM	50	0	21.79	21.86	21.77					
10	16QAM	1	0	21.88	21.94	21.80					
10	16QAM	25	25	21.82	21.83	21.87	22.5	1			
10	16QAM	1	49	21.70	21.74	21.68					
10	16QAM	25	0	20.82	20.90	20.80					
10	16QAM	25	12	20.75	20.77	20.80	20.5	3			
10	16QAM	25	25	20.82	20.75	20.72					
10	16QAM	50	0	20.89	20.94	20.83					
10	256QAM	1	0	18.86	18.99	18.86	20.5	3			
10	256QAM	1	25	18.89	18.76	18.78					
10	256QAM	14	24	18.74	18.77	18.76					
10	256QAM	25	0	18.74	18.84	18.64	20.5	3			
10	256QAM	25	12	18.75	18.78	18.75					
10	256QAM	25	25	18.65	18.78	18.64					
Channel		26715	26665	26915	Tune-up Int. (dB)	MPR (dB)					
Frequency (MHz)		811.5	811.5	847.0							
5	QPSK	1	0	22.48	22.60	22.40	23.5	0			
5	QPSK	1	12	22.38	22.45	22.37					
5	QPSK	1	24	22.25	22.35	22.30					
5	QPSK	12	0	22.43	22.45	22.43	23.5	0			
5	QPSK	12	7	22.24	22.38	22.27					
5	QPSK	12	13	22.31	22.41	22.28					
5	QPSK	25	0	22.20	22.34	22.19	23.5	0			
5	16QAM	1	0	22.28	22.35	22.15					
5	16QAM	1	0	22.28	22.35	22.30					
5	16QAM	12	0	21.86	21.96	21.78	23.5	0			
5	16QAM	12	7	21.73	21.73	21.80					
5	16QAM	12	13	21.64	21.77	21.68					
5	16QAM	25	0	21.71	21.86	21.69	23.5	0			
5	16QAM	25	0	21.81	21.96	21.85					
5	16QAM	1	12	21.84	21.77	21.71					
5	16QAM	24	24	21.65	21.72	21.71	22.5	1			
5	16QAM	12	0	20.83	20.86	20.71					
5	16QAM	12	7	20.70	20.68	20.72					
5	16QAM	12	13	20.63	20.68	20.67	22.5	1			
5	16QAM	25	0	20.84	20.86	20.78					
5	16QAM	25	0	18.89	18.86	18.87					
5	256QAM	1	0	18.89	18.80	18.81	20.5	3			
5	256QAM	1	24	18.73	18.82	18.71					
5	256QAM	1	0	18.82	18.85	18.78					
5	256QAM	12	7	18.74	18.73	18.70	20.5	3			
5	256QAM	12	13	18.74	18.68	18.64					
5	256QAM	25	0	18.65	18.76	18.65					
Channel		8166	8176	8196	Tune-up Int. (dB)	MPR (dB)					
Frequency (MHz)		811.5	811.5	847.0							
3	QPSK	1	0	22.53	22.53	22.43	23.5	0			
3	QPSK	1	8	22.29	22.37	22.31					
3	QPSK	8	4	22.29	22.31	22.20					
3	QPSK	8	4	22.42	22.48	22.40	23.5	0			
3	QPSK	8	7	22.30	22.31	22.20					
3	QPSK	8	7	22.32	22.34	22.26					
3	QPSK	15	3	22.12	22.37	22.21	23.5	0			
3	16QAM	1	0	22.38	22.44	22.34					
3	16QAM	1	8	22.20	22.40	22.27					
3	16QAM	14	14	22.31	22.28	22.14	23.5	0			
3	16QAM	8	0	21.82	21.96	21.79					
3	16QAM	8	4	21.84	21.78	21.78					
3	16QAM	15	0	21.74	21.82	21.85	23.5	0			
3	16QAM	15	0	21.80	22.00	21.87					
3	16QAM	8	0	21.87	21.88	21.84	20.5	3			
3	16QAM	8	4	18.77	18.86	18.84					
3	16QAM	8	7	18.80	18.82	18.83					
3	256QAM	15	0	19.76	19.79	19.74	20.5	3			
3	256QAM	8	0	20.69	20.68	20.69					
3	256QAM	8	4	20.64	20.68	20.65					
3	256QAM	8	7	20.58	20.61	20.59	20.5	3			
3	256QAM	1	0	18.94	19.02	18.94					
3	256QAM	1	8	18.93	18.90	18.94					
3	256QAM	1	8	18.90	18.87	18.92	20.5	3			
3	256QAM	8	0	18.84	18.90	18.81					
3	256QAM	8	4	18.77	18.86	18.84					
3	256QAM	8	7	18.80	18.82	18.83	20.5	3			
3	256QAM	1	0	18.94	18.92	18.94					
3	256QAM	1	8	18.93	18.90	18.94					
3	256QAM	1	8	18.74	18.82	18.74	20.5	3			
3	256QAM	8	0	18.76	18.72	18.69					
3	256QAM	8	7	18.79	18.64	18.69					
3	256QAM	8	7	18.74	18.78	18.74	20.5	3			
3	256QAM	8	4	20.88	20.91	20.85					
3	256QAM	8	7	20.90	20.89	20.90					
3	256QAM	1	0	18.90	18.78	18.86	20.5	3			
3	256QAM	1	8	18.74	18.70	18.74					
3	256QAM	1	8	18.76	18.72	18.69					
3	256QAM	8	0	18.79	18.64	18.69	20.5	3			
3	256QAM	8	7	18.74	18.78	18.74					
3	256QAM	8	4	20.88	20.91	20.85					



Band 38 Ant0 PC3 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	23.06	23.19	23.04	24	0	
20	QPSK	1	49	23.00	23.08	22.93			
20	QPSK	1	99	23.01	23.04	22.91			
20	QPSK	50	0	23.05	23.08	23.00			
20	QPSK	50	24	22.87	22.85	22.87	24	0	
20	QPSK	50	50	23.08	23.06	23.00			
20	QPSK	100	0	22.99	23.05	22.97			
20	16QAM	1	0	22.98	23.05	22.97			
20	16QAM	1	49	22.92	23.07	22.95	24	0	
20	16QAM	1	99	22.86	23.03	23.01			
20	16QAM	50	0	22.93	23.06	22.95			
20	16QAM	50	24	22.98	23.12	23.05	24	0	
20	16QAM	50	50	23.01	23.08	23.03			
20	16QAM	100	0	22.92	23.06	22.97			
20	64QAM	1	0	22.97	23.15	22.99			
20	64QAM	1	49	22.94	23.05	22.99	24	0	
20	64QAM	1	99	23.06	23.13	22.98			
20	64QAM	50	0	22.87	23.00	22.97			
20	64QAM	50	24	23.05	23.11	23.07	24	0	
20	64QAM	50	50	23.08	23.09	23.04			
20	64QAM	100	0	22.97	23.07	23.02			
20	256QAM	1	0	20.93	20.99	20.84	22	2	
20	256QAM	1	49	20.84	20.98	20.85			
20	256QAM	1	99	21.01	21.06	20.91			
20	256QAM	50	0	20.97	21.08	20.94			
20	256QAM	50	24	21.06	21.11	20.97	22	2	
20	256QAM	50	50	20.95	21.05	20.91			
20	256QAM	100	0	20.96	21.07	20.92			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	22.91	23.08	22.89	24	0	
15	QPSK	1	37	22.85	23.04	22.76			
15	QPSK	1	74	22.90	22.86	22.76			
15	QPSK	36	0	22.95	23.02	22.86			
15	QPSK	36	20	22.78	22.90	22.72	24	0	
15	QPSK	36	39	22.85	23.01	22.83			
15	QPSK	75	0	22.93	23.01	22.88			
15	16QAM	1	0	22.81	22.95	22.87			
15	16QAM	1	37	22.88	22.98	22.90	24	0	
15	16QAM	1	74	22.72	22.87	22.98			
15	16QAM	36	0	22.86	22.90	22.78			
15	16QAM	36	20	22.94	22.95	23.02	24	0	
15	16QAM	36	39	22.92	23.04	22.97			
15	16QAM	75	0	22.79	23.01	22.89			
15	64QAM	1	0	22.81	23.01	22.85			
15	64QAM	1	37	22.83	23.01	22.89	24	0	
15	64QAM	1	74	22.93	23.01	22.98			
15	64QAM	36	0	22.69	22.85	22.83			
15	64QAM	36	20	22.99	23.02	23.05	24	0	
15	64QAM	36	39	22.98	23.04	22.85			
15	64QAM	75	0	22.82	22.99	22.98			
15	256QAM	1	0	20.77	20.94	20.68	22	2	
15	256QAM	1	37	20.75	20.82	20.76			
15	256QAM	1	74	20.86	20.91	20.77			
15	256QAM	36	0	20.81	20.94	20.83			
15	256QAM	36	20	20.99	21.08	20.81	22	2	
15	256QAM	36	39	20.86	20.88	20.77			
15	256QAM	75	0	20.82	21.03	20.86			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	22.99	23.02	22.89	24	0	
10	QPSK	1	25	22.95	23.03	22.98			
10	QPSK	1	49	22.96	22.93	22.84			
10	QPSK	25	0	22.95	22.97	22.84			
10	QPSK	25	12	22.81	22.77	22.82	24	0	
10	QPSK	25	25	22.92	22.95	22.84			
10	QPSK	50	0	22.87	22.94	22.90			
10	16QAM	1	0	22.91	22.88	22.86			
10	16QAM	1	25	22.76	22.91	22.89	24	0	
10	16QAM	1	49	22.79	22.99	22.95			
10	16QAM	25	0	22.90	22.99	22.78			
10	16QAM	25	12	22.86	23.08	22.98	24	0	
10	16QAM	25	25	22.94	22.91	22.92			
10	16QAM	50	0	22.75	22.89	22.91			
10	64QAM	1	0	22.80	23.04	22.91			
10	64QAM	1	25	22.79	22.91	22.96	24	0	
10	64QAM	1	49	22.93	23.02	22.89			
10	64QAM	25	0	22.72	22.97	22.94			
10	64QAM	25	12	22.88	23.00	22.95	24	0	
10	64QAM	25	25	22.89	23.07	22.77			
10	64QAM	50	0	22.79	22.95	22.94			
10	256QAM	1	0	20.80	20.87	20.71	22	2	
10	256QAM	1	25	20.72	20.84	20.72			
10	256QAM	1	49	20.97	20.97	20.75			
10	256QAM	25	0	20.93	21.04	20.90			
10	256QAM	25	12	20.95	20.98	20.85	22	2	
10	256QAM	25	25	20.82	20.88	20.86			
10	256QAM	50	0	20.82	21.00	20.82			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	22.95	23.16	22.94	24	0	
5	QPSK	1	12	22.87	22.96	22.80			
5	QPSK	1	24	22.85	22.92	22.83			
5	QPSK	12	0	22.96	23.03	22.84			
5	QPSK	12	7	22.77	22.79	22.78	24	0	
5	QPSK	12	13	22.88	22.89	22.86			
5	QPSK	25	0	22.96	22.98	22.87			
5	16QAM	1	0	22.92	22.89	22.82			
5	16QAM	1	12	22.75	23.05	22.88	24	0	
5	16QAM	1	24	22.76	22.92	22.86			
5	16QAM	12	0	22.80	22.91	22.81			
5	16QAM	12	7	22.86	23.02	23.01	24	0	
5	16QAM	12	13	22.83	22.92	22.89			
5	16QAM	25	0	22.74	23.00	22.84			
5	64QAM	1	0	22.94	23.10	22.84			
5	64QAM	1	12	22.91	22.93	22.90	24	0	
5	64QAM	1	24	22.91	23.06	22.82			
5	64QAM	12	0	22.70	22.98	22.88			
5	64QAM	12	7	22.97	22.96	23.04	24	0	
5	64QAM	12	13	22.94	22.94	22.76			
5	64QAM	25	0	22.81	22.89	22.91			
5	256QAM	1	0	20.77	20.85	20.68	22	2	
5	256QAM	1	12	20.74	20.86	20.74			
5	256QAM	1	24	20.86	21.02	20.85			
5	256QAM	12	0	20.85	21.03	20.88			
5	256QAM	12	7	20.97	21.01	20.94	22	2	
5	256QAM	12	13	20.86	21.01	20.78			
5	256QAM	25	0	20.82	20.91	20.75			

Band 38 PC2 Ant0 DS13 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	25.45	25.62	25.55	27	0	
20	QPSK	1	49	25.45	25.56	25.46			
20	QPSK	1	99	25.40	25.51	25.38			
20	QPSK	50	0	25.45	25.60	25.49			
20	QPSK	50	24	25.49	25.53	25.43	27	0	
20	QPSK	50	50	25.51	25.55	25.40			
20	QPSK	100	0	25.54	25.59	25.57			
20	16QAM	1	0	25.55	25.58	25.46			
20	16QAM	1	49	25.43	25.46	25.43	27	0	
20	16QAM	1	99	25.27	25.45	25.33			
20	16QAM	50	0	25.38	25.49	25.31			
20	16QAM	50	24	25.35	25.45	25.34			
20	16QAM	50	50	25.34	25.42	25.36	27	0	
20	16QAM	100	0	25.27	25.45	25.35			
20	64QAM	1	0	25.43	25.59	25.46			
20	64QAM	1	49	25.42	25.49	25.41			
20	64QAM	1	99	25.31	25.41	25.29	27	0	
20	64QAM	50	0	25.37	25.46	25.30			
20	64QAM	50	24	25.32	25.48	25.30			
20	64QAM	50	50	25.28	25.44	25.38			
20	64QAM	100	0	25.33	25.42	25.25	27	0	
20	256QAM	1	0	24.14	24.31	24.27			
20	256QAM	1	49	24.23	24.30	24.26			
20	256QAM	1	99	24.15	24.28	24.21			
20	256QAM	50	0	23.98	24.13	24.01	25	2	
20	256QAM	50	24	24.18	24.27	24.10			
20	256QAM	50	50	24.18	24.24	24.17			
20	256QAM	100	0	24.10	24.22	24.17			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	25.41	25.51	25.49			
15	QPSK	1	37	25.29	25.50	25.37			
15	QPSK	1	74	25.32	25.48	25.26			
15	QPSK	38	0	25.35	25.56	25.33			
15	QPSK	38	20	25.43	25.46	25.27	27	0	
15	QPSK	38	39	25.45	25.49	25.29			
15	QPSK	75	0	25.50	25.52	25.31			
15	16QAM	1	0	25.49	25.54	25.45			
15	16QAM	1	37	25.31	25.41	25.25	27	0	
15	16QAM	1	74	25.13	25.32	25.17			
15	16QAM	38	0	25.25	25.44	25.29			
15	16QAM	38	20	25.22	25.36	25.19			
15	16QAM	38	39	25.25	25.33	25.32	27	0	
15	16QAM	75	0	25.16	25.29	25.26			
15	64QAM	1	0	25.39	25.46	25.36			
15	64QAM	1	37	25.36	25.45	25.28			
15	64QAM	1	74	25.15	25.36	25.17	27	0	
15	64QAM	38	0	25.20	25.28	25.28			
15	64QAM	38	20	25.23	25.36	25.13			
15	64QAM	38	39	25.22	25.29	25.32			
15	64QAM	75	0	25.29	25.37	25.12	25	2	
15	256QAM	1	0	24.03	24.20	24.20			
15	256QAM	1	37	24.05	24.14	24.04			
15	256QAM	1	74	24.06	24.14	24.04			
15	256QAM	38	0	23.96	24.10	23.95	25	2	
15	256QAM	38	20	24.09	24.16	24.02			
15	256QAM	38	39	24.10	24.20	24.14			
15	256QAM	75	0	23.97	24.05	24.12			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2573	2595	2615	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	25.36	25.44	25.43			
10	QPSK	1	25	25.28	25.53	25.41			
10	QPSK	1	49	25.37	25.46	25.27			
10	QPSK	25	0	25.36	25.43	25.40			
10	QPSK	25	12	25.31	25.48	25.27	27	0	
10	QPSK	25	25	25.45	25.52	25.29			
10	QPSK	50	0	25.44	25.54	25.50			
10	16QAM	1	0	25.40	25.43	25.39			
10	16QAM	1	25	25.30	25.44	25.28	27	0	
10	16QAM	1	49	25.14	25.29	25.24			
10	16QAM	25	0	25.33	25.43	25.26			
10	16QAM	25	12	25.24	25.38	25.23			
10	16QAM	25	25	25.31	25.30	25.18	27	0	
10	16QAM	50	0	25.12	25.30	25.26			
10	64QAM	1	0	25.39	25.54	25.30			
10	64QAM	1	25	25.34	25.39	25.38			
10	64QAM	1	49	25.19	25.25	25.11	27	0	
10	64QAM	25	0	25.20	25.35	25.14			
10	64QAM	25	12	25.23	25.32	25.23			
10	64QAM	25	25	25.20	25.33	25.28			
10	64QAM	50	0	25.21	25.31	25.18	25	2	
10	256QAM	1	0	23.98	24.14	24.20			
10	256QAM	1	25	24.16	24.16	24.15			
10	256QAM	1	49	24.03	24.12	24.09			
10	256QAM	25	0	23.96	24.11	23.86	25	2	
10	256QAM	25	12	24.06	24.10	24.05			
10	256QAM	25	25	24.09	24.10	24.01			
10	256QAM	50	0	23.98	24.13	24.14			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	25.34	25.46	25.44			
5	QPSK	1	12	25.35	25.43	25.32			
5	QPSK	1	24	25.35	25.36	25.33			
5	QPSK	12	0	25.36	25.53	25.47			
5	QPSK	12	7	25.41	25.36	25.39	27	0	
5	QPSK	12	13	25.44	25.48	25.28			
5	QPSK	25	0	25.48	25.57	25.43			
5	16QAM	1	0	25.48	25.46	25.32			
5	16QAM	1	12	25.33	25.42	25.39	27	0	
5	16QAM	1	24	25.22	25.40	25.25			
5	16QAM	12	0	25.33	25.32	25.17			
5	16QAM	12	7	25.24	25.42	25.30			
5	16QAM	12	13	25.25	25.35	25.22	27	0	
5	16QAM	25	0	25.17	25.41	25.21			
5	64QAM	1	0	25.38	25.57	25.28			
5	64QAM	1	12	25.32	25.40	25.27			
5	64QAM	1	24	25.29	25.35	25.18	27	0	
5	64QAM	12	0	25.30	25.33	25.13			
5	64QAM	12	7	25.25	25.46	25.27			
5	64QAM	12	13	25.18	25.30	25.28			
5	64QAM	25	0	25.19	25.32	25.15	25	2	
5	256QAM	1	0	24.04	24.17	24.20			
5	256QAM	1	12	24.15	24.24	24.18			
5	256QAM	1	24	24.11	24.14	24.05			
5	256QAM	12	0	23.98	24.00	23.98	25	2	
5	256QAM	12	7	24.14	24.17	24.07			
5	256QAM	12	13	24.05	24.09	24.05			
5	256QAM	25	0	24.03	24.24	24.14			



Band 41 PC3 Ant0 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	24	0		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	22.91	23.04	23.20	22.95	22.79	24	0		
20	QPSK	1	49	22.90	22.95	23.08	22.96	22.77				
20	QPSK	1	99	22.92	22.90	23.07	22.96	22.85				
20	QPSK	50	0	23.09	23.01	23.17	23.13	23.00				
20	QPSK	50	24	23.07	23.10	23.13	23.04	22.88	24	0		
20	QPSK	50	50	23.07	23.08	23.12	23.08	22.89				
20	QPSK	100	0	23.11	23.02	23.16	23.13	22.99				
20	16QAM	1	0	23.05	22.99	23.12	22.94	22.88				
20	16QAM	1	49	22.90	22.94	23.07	23.04	22.88	24	0		
20	16QAM	1	99	23.07	22.96	23.11	22.95	22.81				
20	16QAM	50	0	23.01	23.03	23.14	23.05	22.91				
20	16QAM	50	24	23.11	23.11	23.17	23.10	22.98				
20	16QAM	50	50	23.03	23.05	23.08	23.00	22.78	24	0		
20	16QAM	100	0	22.93	23.00	23.11	23.00	22.78				
20	64QAM	1	0	22.97	22.89	23.06	22.98	22.78				
20	64QAM	1	49	23.14	23.01	23.17	23.13	22.84				
20	64QAM	1	99	22.96	23.06	23.12	23.06	22.82	24	0		
20	64QAM	50	0	23.10	23.10	23.15	23.11	22.96				
20	64QAM	50	24	22.93	22.96	23.02	22.93	22.75				
20	64QAM	50	50	22.86	22.99	23.10	23.00	22.80				
20	64QAM	100	0	23.15	23.11	23.16	23.16	22.91	24	0		
20	256QAM	1	0	21.05	21.05	21.16	20.99	20.91				
20	256QAM	1	49	21.05	21.05	21.12	21.02	20.88				
20	256QAM	1	99	21.02	21.02	21.05	20.90	20.87				
20	256QAM	50	0	20.96	20.97	21.10	20.94	20.86	22	2		
20	256QAM	50	24	20.89	20.99	21.03	20.91	20.78				
20	256QAM	50	50	21.10	21.05	21.10	21.11	20.91				
20	256QAM	100	0	21.14	21.12	21.19	21.16	20.99				
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5				
15	QPSK	1	0	22.85	22.93	23.08	22.88	22.73	24.00	0		
15	QPSK	1	37	22.73	22.83	23.03	22.82	22.65				
15	QPSK	1	74	22.77	22.83	22.98	22.89	22.72				
15	QPSK	36	0	22.82	22.86	23.01	22.92	22.77				
15	QPSK	36	20	22.94	22.98	22.99	22.92	22.77	24	0		
15	QPSK	36	39	23.02	22.91	23.03	22.98	22.87				
15	QPSK	75	0	23.01	22.88	23.03	22.95	22.94				
15	16QAM	1	0	22.96	22.95	23.05	22.91	22.77				
15	16QAM	1	37	22.77	22.76	22.94	22.87	22.75	24	0		
15	16QAM	1	74	22.90	22.83	22.98	22.88	22.74				
15	16QAM	36	0	22.85	22.86	23.07	22.92	22.89				
15	16QAM	36	20	22.95	23.08	23.11	23.00	22.90				
15	16QAM	36	39	22.94	23.02	22.96	22.95	22.63	24	0		
15	16QAM	75	0	22.91	22.97	22.94	22.91	22.72				
15	64QAM	1	0	22.88	22.77	23.00	22.84	22.70				
15	64QAM	1	37	23.03	22.85	23.14	23.10	22.80				
15	64QAM	1	74	22.84	23.03	22.98	22.92	22.76	24	0		
15	64QAM	36	0	22.86	23.06	23.07	22.83	22.70				
15	64QAM	36	20	22.84	22.86	22.96	22.86	22.61				
15	64QAM	36	39	22.90	22.93	23.06	22.86	22.72				
15	64QAM	75	0	23.02	22.99	23.01	22.99	22.81	22	2		
15	256QAM	1	0	20.88	21.02	21.01	20.88	20.76				
15	256QAM	1	37	20.97	20.96	20.96	20.87	20.75				
15	256QAM	1	74	20.98	20.93	20.87	20.79	20.75				
15	256QAM	36	0	20.87	20.88	21.06	20.78	20.69	22	2		
15	256QAM	36	20	20.85	20.88	21.00	20.75	20.74				
15	256QAM	36	39	20.98	20.90	20.97	20.93	20.78				
15	256QAM	75	0	21.03	20.97	21.04	20.98	20.85				
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2501	2547	2593	2639	2685				
10	QPSK	1	0	22.81	23.02	23.06	22.83	22.64	24.00	0		
10	QPSK	1	25	22.80	22.78	22.92	22.85	22.75				
10	QPSK	1	49	22.75	22.75	22.92	22.93	22.68				
10	QPSK	25	0	22.95	22.83	23.01	23.01	22.87				
10	QPSK	25	12	22.94	23.04	22.95	22.93	22.74	24	0		
10	QPSK	25	25	23.04	22.98	23.07	23.04	22.71				
10	QPSK	50	0	23.04	22.89	23.05	22.98	22.83				
10	16QAM	1	0	22.99	22.87	22.95	22.83	22.72				
10	16QAM	1	25	22.82	22.79	23.04	22.90	22.71	24	0		
10	16QAM	1	49	23.02	22.82	22.98	22.92	22.69				
10	16QAM	25	0	22.90	22.94	22.99	22.91	22.88				
10	16QAM	25	12	23.01	22.96	23.05	23.04	22.85				
10	16QAM	25	25	22.86	22.95	23.00	22.95	22.63	24	0		
10	16QAM	50	0	22.90	22.96	23.03	22.92	22.72				
10	64QAM	1	0	22.93	22.76	22.98	22.90	22.72				
10	64QAM	1	25	23.00	22.99	23.13	23.00	22.71				
10	64QAM	1	49	22.85	22.91	23.02	22.97	22.72	24	0		
10	64QAM	25	0	22.98	23.04	22.97	22.99	22.92				
10	64QAM	25	12	22.87	22.79	22.98	22.86	22.68				
10	64QAM	25	25	22.88	22.93	22.97	22.92	22.70				
10	64QAM	50	0	23.11	23.06	23.12	23.00	22.87	24	0		
10	256QAM	1	0	20.92	20.99	20.98	20.82	20.84				
10	256QAM	1	25	21.00	20.88	20.95	20.87	20.71				
10	256QAM	1	49	20.89	20.87	20.93	20.72	20.76				
10	256QAM	25	0	20.80	20.84	20.97	20.88	20.72	22	2		
10	256QAM	25	12	20.73	20.85	20.89	20.89	20.63				
10	256QAM	25	25	20.98	21.03	20.98	20.98	20.76				
10	256QAM	50	0	21.02	21.02	21.03	21.07	20.85				
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5				
5	QPSK	1	0	22.81	22.92	23.16	22.88	22.71	24.00	0		
5	QPSK	1	12	22.85	22.82	22.84	22.90	22.68				
5	QPSK	1	24	22.83	22.76	22.88	22.86	22.76				
5	QPSK	12	0	22.99	22.88	23.06	23.02	22.93				
5	QPSK	12	13	22.95	22.93	23.05	23.00	22.71	24	0		
5	QPSK	12	13	23.00	23.05	23.08	22.96	22.83				
5	QPSK	25	0	23.00	22.95	23.06	23.11	22.94				
5	16QAM	1	0	22.97	22.84	23.01	22.85	22.72				
5	16QAM	1	12	22.80	22.77	23.00	22.96	22.78	24	0		
5	16QAM	1	24	22.90	22.89	22.95	22.89	22.65				
5	16QAM	12	0	22.89	22.89	23.05	22.95	22.76				
5	16QAM	12	13	22.99	22.93	23.02	23.00	22.80				
5	16QAM	12	13	22.87	22.88	22.96	22.87	22.71	24	0		
5	16QAM	25	0	22.79	22.93	23.00	22.86	22.61				
5	64QAM	1	0	22.86	22.77	23.01	22.86	22.73				
5	64QAM	1	12	22.99	22.99	23.03	23.10	22.74				
5	64QAM	1	24	22.93	22.98	22.99	22.92	22.70	24	0		
5	64QAM	12	0	23.05	22.99	23.08	23.08	22.85				
5	64QAM	12	13	22.82	22.89	23.04	22.80	22.62				
5	64QAM	12	13	22.86	22.84	23.05	22.82	22.73				
5	64QAM	25	0	23.12	23.00	23.05	23.03	22.84	22	2		
5	256QAM	1	0	21.02	21.03	21.14	20.90	20.81				
5	256QAM	1	24	20.93	20.94	20.93	20.81	20.73				
5	256QAM	12	0	20.86	20.82	21.08	20.80	20.76				
5	256QAM	12	13	20.88	20.82	20.99	20.80	20.68	22	2		
5	256QAM	12	13	21.02	21.03	21.09	21.02	20.86				
5	256QAM	25	0	21.02	21.00	21.08	21.12	20.94				



GSM900 Ant 1 DSS3 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	Limit (dBm)	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8		
GSM 1 Tx slot	32.35	32.42	32.18	33.50	23.35	23.42	23.18	24.50	
GPRS 1 Tx slot	32.29	32.31	32.06	33.50	23.29	23.31	23.06	24.50	
GPRS 2 Tx slots	29.91	29.93	29.69	31.00	23.91	23.93	23.69	25.00	
GPRS 3 Tx slots	27.67	27.64	27.52	29.00	23.41	23.38	23.26	24.74	
GPRS 4 Tx slots	26.29	26.21	26.01	27.00	23.29	23.21	23.01	24.00	
EDGE 1 Tx slot	25.16	25.24	25.11	26.50	16.16	16.24	16.11	17.50	
EDGE 2 Tx slots	23.48	23.63	23.42	25.00	17.48	17.63	17.42	19.00	
EDGE 3 Tx slots	22.26	22.42	22.25	23.50	16.00	16.16	17.99	19.24	
EDGE 4 Tx slots	20.22	20.35	20.28	22.00	17.22	17.35	17.28	19.00	

GSM1900 Ant 1 DSS3 Standalone									
Burst Average Power (dBm)				Tuneup Limit (dBm)	Frame Average Power (dBm)				Tuneup Limit (dBm)
TX Channel	512	661	810		512	661	810	1909	
Frequency (MHz)	1850.2	1860	1909.8		1850.2	1860	1909.8		
GSM 1 Tx slot	26.98	27.09	27.03	28.40	17.98	18.09	18.03	19.40	
GPRS 1 Tx slot	26.90	27.10	26.95	28.40	17.80	18.10	17.95	19.40	
GPRS 2 Tx slots	23.61	23.71	23.58	25.40	17.61	17.71	17.58	19.40	
GPRS 3 Tx slots	21.74	22.01	21.92	23.60	17.48	17.75	17.66	19.34	
GPRS 4 Tx slots	20.55	20.79	20.70	22.40	17.55	17.79	17.70	19.40	
EDGE 1 Tx slot	24.27	24.48	24.31	25.00	15.27	15.48	15.31	16.00	
EDGE 2 Tx slots	22.66	22.88	22.76	24.00	16.66	16.88	16.76	18.00	
EDGE 3 Tx slots	21.49	21.71	21.58	23.00	17.23	17.45	17.32	18.74	
EDGE 4 Tx slots	19.26	19.46	19.31	20.50	16.26	16.46	16.31	17.50	

WCDMA # Ant 1 DSS3 Standalone										WCDMA # Ant 1 DSS3 Standalone										WCDMA V Ant 1 DSS3 Standalone									
Band		WCDMA #			Tune-up Limit (dBm)	WCDMA #V			Tune-up Limit (dBm)			WCDMA V			Tune-up Limit (dBm)			WCDMA V			Tune-up Limit (dBm)			WCDMA V			Tune-up Limit (dBm)		
Rx Channel		9262	9490	9538		1312	1413	1513				4132	4162	4233				4357	4407	4468				4567	4607	4668			
Frequency (MHz)		1852.4	1860	1907.6		1712.4	1732.6	1762.6				836.4	836.4	846.6				836.4	836.4	846.6				836.4	836.4	846.6			
3GPP Rel 99	AMR 12.2Kbps	17.06	17.03	16.81	18.00	16.84	17.12	16.84	18.70	22.96	23.02	22.84	24.00					22.96	23.02	22.84	24.00								
3GPP Rel 99	RM-C 12.2Kbps	17.19	17.20	16.89	18.00	17.02	17.19	17.01	18.70	23.08	23.15	22.92	24.00					23.08	23.15	22.92	24.00								
3GPP Rel 6	HSDPA Subtest-1	16.29	16.40	16.22	17.00	16.23	16.25	16.22	17.70	22.10	22.05	21.90	23.00					22.10	22.05	21.90	23.00								
3GPP Rel 6	HSDPA Subtest-2	16.03	16.31	16.23	17.00	16.07	16.19	16.22	17.70	22.01	22.06	21.88	23.00					22.01	22.06	21.88	23.00								
3GPP Rel 6	HSDPA Subtest-3	15.90	15.85	15.62	16.50	15.74	15.87	15.60	17.20	21.51	21.57	21.43	22.50					21.51	21.57	21.43	22.50								
3GPP Rel 6	HSDPA Subtest-4	15.76	15.76	15.77	16.50	15.67	15.69	15.69	17.20	21.50	21.62	21.39	22.50					21.50	21.62	21.39	22.50								
3GPP Rel 6	DC-HSDPA Subtest-1	16.36	16.36	16.20	17.00	16.12	16.25	16.20	17.70	22.01	22.16	22.00	23.00					22.01	22.16	22.00	23.00								
3GPP Rel 6	DC-HSDPA Subtest-2	16.43	16.34	16.44	17.00	16.40	16.34	16.21	17.70	21.98	22.07	21.92	23.00					21.98	22.07	21.92	23.00								
3GPP Rel 6	DC-HSDPA Subtest-3	15.82	15.95	15.74	16.50	15.67	15.88	15.71	17.20	21.50	21.64	21.45	22.50					21.50	21.64	21.45	22.50								
3GPP Rel 6	DC-HSDPA Subtest-4	15.93	15.87	15.58	16.50	15.78	15.79	15.57	17.20	21.51	21.59	21.38	22.50					21.51	21.59	21.38	22.50								
3GPP Rel 6	HSUPA Subtest-1	16.39	16.46	16.07	17.00	16.39	16.35	16.09	17.70	22.03	22.12	22.03	23.00					22.03	22.12	22.03	23.00								
3GPP Rel 6	HSUPA Subtest-2	14.34	14.45	14.33	15.00	14.75	14.72	14.62	15.70	19.94	20.14	19.94	21.00					19.94	20.14	19.94	21.00								
3GPP Rel 6	HSUPA Subtest-3	15.11	15.39	15.41	16.00	15.02	15.31	15.20	16.70	21.03	21.06	21.01	22.00					21.03	21.06	21.01	22.00								
3GPP Rel 6	HSUPA Subtest-4	14.06	14.18	14.06	15.00	14.41	14.67	14.59	15.70	19.99	20.10	19.99	21.00					19.99	20.10	19.99	21.00								
3GPP Rel 6	HSUPA Subtest-5	16.00	16.19	16.12	17.00	15.95	16.06	16.04	17.70	22.06	22.06	21.92	23.00					22.06	22.06	21.92	23.00								



Band 2 Ant 1 DS13 Standalone												
BW (MHz)	Modulation	RIS Size	RIS 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	16.45	16.46	16.43			17.7	0		
20	QPSK	1	49	16.33	16.41	16.32						
20	QPSK	1	99	16.30	16.40	16.30						
20	QPSK	50	0	16.28	16.38	16.33						
20	QPSK	50	24	16.34	16.37	16.35						
20	QPSK	50	50	16.29	16.31	16.37						
20	QPSK	100	0	16.35	16.37	16.32						
20	QPSK	100	24	16.41	16.38	16.35						
20	16QAM	1	49	16.32	16.32	16.37			17.7	0		
20	16QAM	1	99	16.29	16.29	16.30						
20	16QAM	50	0	16.33	16.41	16.32						
20	16QAM	50	24	16.40	16.40	16.38						
20	16QAM	50	50	16.33	16.31	16.36						
20	16QAM	100	0	16.36	16.40	16.27						
20	64QAM	1	0	16.32	16.30	16.33						
20	64QAM	1	49	16.32	16.26	16.26			17.7	0		
20	64QAM	1	99	16.27	16.30	16.38						
20	64QAM	50	0	16.29	16.30	16.31						
20	64QAM	50	24	16.40	16.40	16.38						
20	64QAM	50	50	16.27	16.30	16.40						
20	64QAM	100	0	16.36	16.40	16.27						
20	256QAM	1	49	16.31	16.30	16.33			17.7	0		
20	256QAM	1	99	16.33	16.38	16.38						
20	256QAM	50	0	16.27	16.30	16.36						
20	256QAM	50	24	16.35	16.30	16.35						
20	256QAM	50	50	16.38	16.38	16.26						
20	256QAM	100	0	16.31	16.36	16.25						
Channel												
Frequency (MHz)												
15	QPSK	1	0	16.38	16.33	16.26			17.7	0		
15	QPSK	1	49	16.37	16.33	16.33						
15	QPSK	1	74	16.15	16.20	16.22						
15	QPSK	36	0	16.10	16.22	16.19						
15	QPSK	36	39	16.30	16.35	16.19			17.7	0		
15	QPSK	36	39	16.15	16.20	16.19						
15	QPSK	75	0	16.18	16.20	16.22						
15	16QAM	1	0	16.20	16.34	16.21						
15	16QAM	1	37	16.25	16.28	16.32			17.7	0		
15	16QAM	1	74	16.16	16.20	16.26						
15	16QAM	36	0	16.25	16.29	16.28						
15	16QAM	36	20	16.19	16.31	16.28			17.7	0		
15	16QAM	36	20	16.24	16.20	16.37						
15	16QAM	75	0	16.24	16.20	16.37						
15	64QAM	1	0	16.22	16.21	16.18			17.7	0		
15	64QAM	1	37	16.27	16.26	16.30						
15	64QAM	1	74	16.24	16.32	16.33						
15	64QAM	36	0	16.21	16.27	16.17			17.7	0		
15	64QAM	36	39	16.26	16.36	16.30						
15	64QAM	36	39	16.15	16.32	16.15						
15	64QAM	75	0	16.28	16.34	16.13						
15	256QAM	1	37	16.27	16.30	16.24			17.7	0		
15	256QAM	1	74	16.21	16.31	16.27						
15	256QAM	36	0	16.24	16.36	16.26						
15	256QAM	36	39	16.31	16.30	16.22						
15	256QAM	36	39	16.26	16.34	16.21			17.7	0		
15	256QAM	75	0	16.31	16.26	16.14						
Channel												
Frequency (MHz)												
10	QPSK	1	0	16.37	16.33	16.26			17.7	0		
10	QPSK	1	25	16.17	16.23	16.26						
10	QPSK	1	49	16.23	16.23	16.18						
10	QPSK	12	0	16.20	16.30	16.26						
10	QPSK	25	13	16.28	16.33	16.09			17.7	0		
10	QPSK	25	25	16.17	16.21	16.31						
10	QPSK	25	25	16.26	16.26	16.26						
10	16QAM	1	0	16.30	16.31	16.35			17.7	0		
10	16QAM	1	25	16.29	16.28	16.24						
10	16QAM	25	13	16.23	16.20	16.14			17.7	0		
10	16QAM	25	13	16.28	16.28	16.24						
10	16QAM	50	0	16.20	16.25	16.33						
10	16QAM	50	0	16.23	16.23	16.37						
10	64QAM	1	0	16.26	16.19	16.19			17.7	0		
10	64QAM	1	49	16.18	16.37	16.22						
10	64QAM	25	0	16.21	16.33	16.19			17.7	0		
10	64QAM	25	13	16.25	16.30	16.23						
10	64QAM	25	25	16.21	16.34	16.12						
10	64QAM	50	0	16.24	16.26	16.23			17.7	0		
10	64QAM	50	0	16.31	16.26	16.17						
10	256QAM	1	25	16.26	16.21	16.21			17.7	0		
10	256QAM	1	49	16.18	16.21	16.31						
10	256QAM	25	13	16.26	16.25	16.18						
10	256QAM	25	25	16.26	16.33	16.23						
10	256QAM	50	0	16.28	16.30	16.14						
Channel												
Frequency (MHz)												
5	QPSK	1	0	16.33	16.30	16.29			17.7	0		
5	QPSK	1	12	16.16	16.26	16.25						
5	QPSK	1	24	16.22	16.27	16.25			17.7	0		
5	QPSK	12	7	16.17	16.21	16.29						
5	QPSK	12	7	16.21	16.30	16.24			17.7	0		
5	QPSK	12	13	16.24	16.15	16.23						
5	QPSK	25	13	16.25	16.33	16.20			17.7	0		
5	16QAM	1	0	16.35	16.33	16.28						
5	16QAM	1	12	16.15	16.30	16.31			17.7	0		
5	16QAM	12	7	16.19	16.27	16.29						
5	16QAM	12	13	16.27	16.37	16.18			17.7	0		
5	16QAM	25	0	16.33	16.31	16.24						
5	16QAM	25	0	16.15	16.29	16.21			17.7	0		
5	64QAM	1	0	16.29	16.33	16.26						
5	64QAM	1	14	16.22	16.29	16.26			17.7	0		
5	64QAM	1	24	16.23	16.27	16.30						
5	64QAM	8	7	16.24	16.28	16.20			17.7	0		
5	64QAM	16	0	16.30	16.18	16.18						
5	256QAM	1	0	16.30	16.18	16.18			17.7	0		
5	256QAM	1	8	16.24	16.28	16.27						
5	256QAM	1	14	16.20	16.29	16.29			17.7	0		
5	256QAM	1	14	16.38	16.28	16.20						
5	256QAM	8	0	16.17	16.29	16.24			17.7	0		
5	256QAM	8	4	16.18	16.20	16.28						
5	256QAM	16	0	16.26	16.30	16.14			17.7	0		
5	256QAM	16	0	16.20	16.23	16.18						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	16.42	16.33	16.31			17.7	0		
1.4	QPSK	1	3	16.18	16.20	16.36						
1.4	QPSK	1	5	16.20	16.23	16.26			17.7	0		
1.4	QPSK	1	3	16.14	16.20	16.32						
1.4	QPSK	3	1	16.24	16.20	16.13			17.7	0		
1.4	QPSK	3	1	16.17	16.26	16.29						
1.4	16QAM	1	0	16.32	16.30	16.38			17.7	0		
1.4	16QAM	1	3	16.32	16.30	16.38						
1.4	16QAM	1	5	16.26	16.27	16.29			17.7	0		
1.4	16QAM	1	3	16.28	16.29	16.26						
1.4	16QAM	3	0	16.31	16.23	16.30			17.7	0		
1.4	16QAM	3	0	16.25	16.28	16.20						
1.4	16QAM	5	0	16.32	16.30	16.32			17.7	0		
1.4	16QAM	5	0	16.28	16.27	16.29						
1.4	16QAM	8	0	16.31	16.23	16.30			17.7	0		
1.4	16QAM	8	0	16.28	16.28	16.08						



Band 12 Ant 1 DS13 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)												
10	QPSK	1	0	22.60	22.76	22.71			23.5	0		
10	QPSK	1	25	22.59	22.68	22.63						
10	QPSK	1	49	22.58	22.62	22.48						
10	QPSK	25	0	22.66	22.75	22.63			23.5	0		
10	QPSK	25	1	22.52	22.66	22.62						
10	QPSK	25	25	22.68	22.68	22.58						
10	QPSK	50	0	22.63	22.72	22.69			23.5	0		
10	16QAM	1	0	22.63	22.74	22.69						
10	16QAM	1	25	22.66	22.63	22.56						
10	16QAM	1	49	22.43	22.47	22.54			23.5	0		
10	16QAM	25	0	22.64	22.72	22.68						
10	16QAM	25	25	22.68	22.68	22.58						
10	16QAM	50	0	22.61	22.69	22.63			22.5	1		
10	84QAM	1	0	22.62	22.70	22.63						
10	84QAM	1	25	22.53	22.47	22.50						
10	84QAM	1	49	22.43	22.47	22.55			23.5	0		
10	84QAM	25	0	22.51	22.52	22.50						
10	84QAM	25	12	21.56	21.56	21.54						
10	84QAM	25	25	21.63	21.63	21.64			22.5	1		
10	84QAM	50	0	21.55	21.66	21.58						
10	256QAM	1	0	19.60	19.64	19.63						
10	256QAM	1	25	19.47	19.52	19.47			20.5	3		
10	256QAM	1	49	19.46	19.45	19.42						
10	256QAM	25	0	19.56	19.59	19.56						
10	256QAM	25	12	19.58	19.65	19.67			20.5	3		
10	256QAM	25	25	19.72	19.65	19.63						
10	256QAM	50	0	19.63	19.67	19.65						
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.50	22.47	22.48			23.5	0		
5	QPSK	1	12	22.50	22.51	22.36						
5	QPSK	1	24	21.92	22.07	22.03						
5	QPSK	12	0	22.51	22.64	22.54			23.5	0		
5	QPSK	12	7	22.39	22.49	22.33						
5	QPSK	12	13	22.41	22.35	22.30						
5	QPSK	25	0	22.49	22.47	22.43			23.5	0		
5	16QAM	1	0	22.36	22.50	22.36						
5	16QAM	1	24	22.15	22.18	22.33						
5	16QAM	1	24	22.15	22.19	22.33			23.5	0		
5	16QAM	12	0	22.39	22.51	22.38						
5	16QAM	12	7	22.49	22.23	22.26						
5	16QAM	25	0	22.33	22.48	22.41			23.5	0		
5	84QAM	1	0	22.34	22.45	22.44						
5	84QAM	1	12	22.38	22.47	22.42						
5	84QAM	1	24	22.42	22.37	22.32			22.5	1		
5	84QAM	12	7	21.39	21.44	21.32						
5	84QAM	12	13	21.54	21.48	21.52						
5	84QAM	25	0	21.44	21.59	21.27			20.5	3		
5	256QAM	1	0	19.36	19.30	19.30						
5	256QAM	1	12	19.28	19.20	19.22						
5	256QAM	1	24	19.38	19.22	19.20			20.5	3		
5	256QAM	12	0	19.35	19.36	19.35						
5	256QAM	12	7	19.28	19.43	19.45						
5	256QAM	12	13	19.61	19.44	19.43			20.5	3		
5	256QAM	25	0	19.25	19.45	19.42						
5	256QAM	25	0	19.25	19.45	19.42						
Channel												
Frequency (MHz)												
3	QPSK	1	0	22.51	22.48	22.48			23.5	0		
3	QPSK	1	14	22.32	22.40	22.34						
3	QPSK	8	4	22.33	22.54	22.45						
3	QPSK	8	7	22.35	22.61	22.46			23.5	0		
3	16QAM	1	0	22.30	22.53	22.39						
3	16QAM	1	8	22.32	22.28	22.28						
3	16QAM	8	0	22.45	22.43	22.36			23.5	0		
3	16QAM	8	4	22.45	22.29	22.29						
3	16QAM	15	0	22.32	22.60	22.36						
3	84QAM	1	0	22.32	22.45	22.32			23.5	0		
3	84QAM	1	8	22.44	22.38	22.34						
3	84QAM	1	14	22.42	22.23	22.39						
3	84QAM	8	0	21.31	21.40	21.46			22.5	1		
3	84QAM	8	4	21.37	21.45	21.50						
3	84QAM	8	7	21.48	21.41	21.44						
3	84QAM	15	0	21.34	21.39	21.27			20.5	3		
3	256QAM	1	0	19.21	19.46	19.31						
3	256QAM	1	8	19.22	19.26	19.26						
3	256QAM	1	14	19.37	19.16	19.16			20.5	3		
3	256QAM	8	0	19.41	19.56	19.46						
3	256QAM	8	4	19.42	19.34	19.40						
3	256QAM	8	7	19.55	19.34	19.34			20.5	3		
3	256QAM	15	0	19.22	19.45	19.44						
3	256QAM	15	0	19.22	19.45	19.44						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	22.44	22.49	22.52			23.5	0		
1.4	QPSK	1	3	22.30	22.51	22.32						
1.4	QPSK	1	5	22.31	22.37	22.22						
1.4	QPSK	3	0	22.55	22.49	22.35			23.5	0		
1.4	QPSK	3	1	22.21	22.51	22.43						
1.4	QPSK	3	3	22.32	22.44	22.36						
1.4	16QAM	1	0	22.44	22.52	22.48			23.5	0		
1.4	16QAM	1	0	22.54	22.45	22.40						
1.4	16QAM	1	3	22.34	22.33	22.28						
1.4	16QAM	1	5	22.28	22.24	22.15			23.5	0		
1.4	16QAM	3	0	22.33	22.63	22.29						
1.4	16QAM	3	1	22.46	22.19	22.41						
1.4	16QAM	6	0	22.37	22.63	22.34			23.5	0		
1.4	84QAM	1	0	22.52	22.49	22.49						
1.4	84QAM	1	3	22.36	22.21	22.25						
1.4	84QAM	1	5	22.35	22.27	22.24			23.5	0		
1.4	84QAM	3	0	22.52	22.49	22.44						
1.4	84QAM	3	1	22.25	22.52	22.33						
1.4	84QAM	3	3	22.41	22.38	22.48			22.5	1		
1.4	84QAM	6	0	21.29	21.62	21.36						
1.4	256QAM	1	0	19.36	19.49	19.24						
1.4	256QAM	1	3	19.24	19.23	19.16			20.5	3		
1.4	256QAM	1	5	19.33	19.36	19.20						
1.4	256QAM	3	0	19.38	19.43	19.31						
1.4	256QAM	3	1	19.27	19.45	19.53			20.5	3		
1.4	256QAM	3	3	19.41	19.36	19.53						
1.4	256QAM	6	0	19.22	19.40	19.48						

Band 13 Ant 1 DS13 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)										
10	QPSK	1	0	22.52	22.52	22.55	23.5	0		
10	QPSK	1	25	22.51	22.51	22.55				
10	QPSK	1	49	22.14	22.14	22.43				
10	QPSK	25	0	22.53	22.53	22.59	23.5	0		
10	QPSK	25	12	22.53	22.53	22.54				
10	QPSK	25	25	22.08	22.08	22.54				
10	16QAM	1	0	22.53	22.53	22.63	23.5	0		
10	16QAM	1	25	22.10	22.10	22.47				
10	16QAM	1	49	22.45	22.45	22.46				
10	16QAM	25	0	22.14	22.14	22.39	23.5	0.5		
10	16QAM	25	12	22.38	22.38	22.10				
10	16QAM	25	25	22.11	22.11	22.07	23.5	0.5		
10	16QAM	50	0	22.54	22.54	22.65				
10	16QAM	50	12	22.39	22.39	22.10	23.5	0.5		
10	16QAM	50	25	22.15	22.15	22.07				
10	16QAM	1	26	21.84	21.84	21.85	23.5	0.5		
10	16QAM	1	49	21.60	21.60	21.60				
10	16QAM	25	12	21.85	21.85	21.85	23.5	0.5		
10	16QAM	25	25	21.84	21.84	21.85				
10	16QAM	50	0	22.51	22.51	22.51	23.5	1.5		
10	16QAM	50	12	22.05	22.05	22.05				
10	256QAM	1	0	18.79	18.79	18.80	23.5	3.5		
10	256QAM	1	25	18.62	18.62	18.62				
10	256QAM	1	49	18.52	18.52	18.52	23.5	3.5		
10	256QAM	25	0	18.80	18.80	18.80				
10	256QAM	25	12	18.61	18.61	18.61	23.5	3.5		
10	256QAM	25	25	18.71	18.71	18.71				
10	256QAM	50	0	18.81	18.81	18.81	23.5	3.5		
10	256QAM	50	12	18.62	18.62	18.62				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.12	22.21	22.21	23.5	0		
5	QPSK	1	12	22.09	22.09	21.98				
5	QPSK	1	25	21.97	21.97	22.03				
5	QPSK	12	0	22.08	22.12	22.21	23.5	0		
5	QPSK	12	7	21.97	22.02	21.98				
5	QPSK	12	19	21.96	21.96	21.81				
5	QPSK	25	0	21.97	22.03	21.97	23.5	0		
5	16QAM	1	0	22.16	22.20	22.20				
5	16QAM	1	12	21.97	22.06	21.98				
5	16QAM	1	25	21.98	21.98	21.96	23.5	0		
5	16QAM	12	0	21.58	21.67	21.80				
5	16QAM	12	12	21.48	21.53	21.44				
5	16QAM	12	19	21.50	21.53	21.63	23.5	0.5		
5	16QAM	25	0	21.59	21.70	21.80				
5	16QAM	25	12	21.65	21.65	21.73				
5	16QAM	1	12	21.38	21.48	21.30	23.5	0.5		
5	16QAM	1	24	21.49	21.61	21.47				
5	16QAM	1	25	21.48	21.58	21.63				
5	16QAM	12	0	20.30	20.40	20.30	23.5	1.5		
5	16QAM	12	19	20.47	20.51	20.45				
5	16QAM	25	0	20.46	20.73	20.59				
5	256QAM	1	0	18.87	1.975	18.88	23.5	3.5		
5	256QAM	1	12	18.36	18.48	18.48				
5	256QAM	1	24	18.33	18.43	18.46				
5	256QAM	12	0	18.68	18.68	18.65	23.5	3.5		
5	256QAM	12	7	18.47	18.48	18.48				
5	256QAM	12	13	18.58	18.58	18.49				

Band 26 Ant 1 DS13 Standalone																				
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Tuneup Band (MHz)	MPR (dB)												
Channel																				
Frequency (MHz)																				
15	QPSK	1	0	22.63	22.65	22.61	24	0												
15	QPSK	1	37	22.43	22.50	22.45														
15	QPSK	1	74	22.48	22.55	22.41	24	0												
15	QPSK	36	0	22.50	22.59	22.54														
15	QPSK	36	20	22.35	22.42	22.38	24	0												
15	QPSK	36	36	22.39	22.49	22.42														
15	QPSK	75	0	22.50	22.45	22.33	24	0												
15	16QAM	1	0	22.54	22.64	22.58														
15	16QAM	1	37	22.37	22.40	22.38	24	0												
15	16QAM	1	74	22.52	22.51	22.45														
15	16QAM	36	0	22.53	22.58	21.98	23.5	0.5												
15	16QAM	36	20	21.81	21.84	21.86														
15	16QAM	36	36	21.91	21.86	21.90	22.5	1.5												
15	16QAM	75	0	21.98	22.02	21.95														
15	64QAM	1	0	22.01	22.12	22.01	23.5	0.5												
15	64QAM	1	37	21.82	21.81	21.87														
15	64QAM	1	74	21.89	21.90	21.86	22.5	1.5												
15	64QAM	36	0	21.06	21.10	21.08														
15	64QAM	36	20	21.10	21.08	20.99	20.5	3.5												
15	64QAM	36	36	21.10	21.08	20.99														
15	256QAM	1	0	18.91	18.96	18.96	20.5	3.5												
15	256QAM	1	37	18.87	18.94	18.87														
15	256QAM	1	74	18.92	18.90	18.91	20.5	3.5												
15	256QAM	36	0	18.99	18.95	18.97														
15	256QAM	36	20	19.01	19.00	19.07	20.5	3.5												
15	256QAM	36	36	18.98	19.02	18.91														
15	256QAM	75	0	18.94	18.97	18.97														
Channel																				
Frequency (MHz)																				
10	QPSK	1	0	22.52	22.61	22.41	24	0												
10	QPSK	1	25	22.33	22.43	22.41														
10	QPSK	1	49	22.43	22.45	22.30	24	0												
10	QPSK	25	0	22.45	22.48	22.48														
10	QPSK	25	12	22.39	22.38	22.38	24	0												
10	QPSK	25	25	22.32	22.45	22.27														
10	QPSK	50	0	22.17	22.37	22.24	24	0												
10	16QAM	1	0	22.42	22.59	22.50														
10	16QAM	1	25	22.22	22.27	22.30	23.5	0.5												
10	16QAM	1	49	22.22	22.36	22.36														
10	16QAM	25	0	21.95	21.97	21.91	23.5	0.5												
10	16QAM	25	12	21.75	21.76	21.74														
10	16QAM	25	25	21.79	21.75	21.73	22.5	1.5												
10	16QAM	50	0	21.88	21.96	21.88														
10	64QAM	1	0	21.88	22.06	21.95	23.5	0.5												
10	64QAM	1	25	21.88	21.76	21.80														
10	64QAM	1	49	21.53	21.84	21.87	22.5	1.5												
10	64QAM	25	0	20.94	21.05	20.94														
10	64QAM	25	12	20.87	21.02	20.95	20.5	3.5												
10	64QAM	25	25	20.95	21.04	20.95														
10	64QAM	50	0	20.78	20.93	20.82	20.5	3.5												
10	256QAM	1	0	18.81	18.86	18.86														
10	256QAM	1	25	18.79	18.75	18.83	20.5	3.5												
10	256QAM	1	49	18.81	18.86	18.86														
10	256QAM	25	0	18.85	18.86	18.85	20.5	3.5												
10	256QAM	25	12	18.93	18.92	18.94														
10	256QAM	25	25	18.92	18.88	18.87	20.5	3.5												
10	256QAM	50	0	18.71	18.88	18.84														
Channel																				
Frequency (MHz)																				
5	QPSK	1	0	22.52	22.52	22.45	24	0												
5	QPSK	1	12	22.28	22.44	22.41														
5	QPSK	1	24	22.44	22.47	22.35	24	0												
5	QPSK	12	0	22.39	22.52	22.49														
5	QPSK	12	7	22.29	22.31	22.25	24	0												
5	QPSK	12	13	22.27	22.37	22.38														
5	QPSK	25	0	22.26	22.42	22.36	24	0												
5	16QAM	1	0	22.48	22.49	22.55														
5	16QAM	1	12	22.34	22.33	22.33	24	0												
5	16QAM	1	24	22.29	22.36	22.36														
5	16QAM	12	0	21.98	21.98	21.89	23.5	0.5												
5	16QAM	12	7	21.76	21.79	21.73														
5	16QAM	12	13	21.79	21.75	21.83	23.5	0.5												
5	16QAM	25	0	21.88	21.91	21.82														
5	16QAM	1	24	21.85	21.81	21.81	22.5	1.5												
5	16QAM	12	0	21.00	20.99	20.98														
5	16QAM	12	7	20.95	21.10	21.05	20.5	3.5												
5	16QAM	12	13	21.06	20.95	20.95														
5	16QAM	25	0	20.74	20.99	20.80	20.5	3.5												
5	256QAM	1	0	18.87	18.95	18.81														
5	256QAM	1	12	18.73	18.70	18.76	20.5	3.5												
5	256QAM	1	24	18.80	18.76	18.77														
5	256QAM	12	0	18.95	18.94	18.92	20.5	3.5												
5	256QAM	12	7	18.89	18.95	18.97														
5	256QAM	12	13	18.94	18.88	18.78	20.5	3.5												
5	256QAM	25	0	18.75	18.91	18.79														
Channel																				
Frequency (MHz)																				
3	QPSK	1	0	22.53	22.53	22.45	24	0												
3	QPSK	1	8	22.31	22.38	22.40														
3	QPSK	1	14	22.41	22.44	22.37	24	0												
3	QPSK	3	0	22.35	22.49	22.48														
3	QPSK	3	4	22.31	22.35	22.26	24	0												
3	QPSK	8	7	22.24	22.46	22.37														
3	QPSK	15	0	22.19	22.41	22.23	24	0												
3	16QAM	1	0	22.44	22.54	22.53														
3	16QAM	1	8	22.27	22.31	22.28	24	0												
3	16QAM	1	14	22.35	22.45	22.45														
3	16QAM	8	0	21.99	22.04	21.88	23.5	0.5												
3	16QAM	8	4	21.77	21.76	21.71														
3	16QAM	15	0	21.86	21.95	21.87	23.5	0.5												
3	16QAM	15	8	21.79	21.74	21.82														
3	64QAM	1	0	21.79	21.74	21.87	22.5	1.5												
3	64QAM	1	14	21.81	21.82	21.82														
3	64QAM	1	28	21.51	21.81	21.81	22.5	1.5												
3	64QAM	8	0	20.90	21.02	20.99														
3	64QAM	8	7	20.88	21.03	20.96	20.5	3.5												
3	64QAM	15	0	18.98	18.98	18.98														
3	256QAM	1	0	18.86	18.94	18.82	20.5	3.5												
3	256QAM	1	8	18.81	18.72	18.76														
3	256QAM	1	14	18.84	18.84	18.84	20.5	3.5												
3	256QAM	8	0	18.95	18.96	18.94														
3	256QAM	8	7	18.88	18.95	18.92	20.5	3.5												
3	256QAM	15	0	18.78	18.95	18.88														
3	256QAM	15	7	18.80	18.83	18.82	20.5	3.5												
Channel																				
Frequency (MHz)																				
1.4	QPSK	1	0	22.60	22.60	22.43			24	0										
1.4	QPSK	1	8	22.39	22.39	22.31														
1.4	QPSK	1	16	22.42	22.43	22.29	24	0												
1.4	QPSK	3	0	22.36	22.50	22.44														
1.4	QPSK	3	8	22.32	22.31	22.29	24	0												
1.4	QPSK	3	16	22.29	22.38	22.31														
1.4	QPSK	15	0	22.25	22.38	22.31	26	0												
1.4	16QAM	1	0	22.49	22.50	22.49														
1.4	16QAM	1	8	22.32	22.36	22.27	24	0												
1.4	16QAM	1	16	22.45	22.37	22.31														
1.4	16QAM	3	0	22.47	22.50	22.39	24	0												
1.4	16QAM	3	8	22.22	22.32	22.28														
1.4	16QAM	3	16	22.25	22.35	22.30	24	0												
1.4	16QAM	15	0	21.86	21.88	21.88														
1.4	16QAM	15	8	21.88	21.96	21.87	20.5	3.5												
1.4	256QAM	1	0	18.92	18.91	18.98														
1.4	256QAM	1	8	18.96	18.96	18.96	20.5	3.5												
1.4	256QAM	6	0	18.77	18.80	18.79														



Band 38 PC3 Ant 1 DS13 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)				25800	25950	26100			
20	QPSK	1	0	20.60	20.68	20.65	22.2	0	
20	QPSK	1	49	20.39	20.43	20.63			
20	QPSK	1	99	20.29	20.45	20.62			
20	QPSK	50	0	20.38	20.65	20.61	22.2	0	
20	QPSK	50	24	20.37	20.41	20.60			
20	QPSK	50	50	20.32	20.49	20.56			
20	QPSK	100	0	20.39	20.46	20.61	22.2	0	
20	16QAM	1	0	20.30	20.43	20.58			
20	16QAM	1	49	20.36	20.45	20.65			
20	16QAM	1	99	20.31	20.43	20.59	22.2	0	
20	16QAM	50	0	20.36	20.42	20.61			
20	16QAM	50	24	20.34	20.41	20.63			
20	16QAM	50	50	20.31	20.44	20.63	22.2	0	
20	16QAM	100	0	20.34	20.40	20.60			
20	64QAM	1	0	20.38	20.43	20.56			
20	64QAM	1	49	20.33	20.42	20.55	22.2	0	
20	64QAM	1	99	20.34	20.44	20.65			
20	64QAM	50	0	20.33	20.44	20.63			
20	64QAM	50	24	20.37	20.43	20.60	22.2	0	
20	64QAM	50	50	20.35	20.46	20.63			
20	64QAM	100	0	20.38	20.43	20.62			
20	256QAM	1	0	19.90	20.12	19.97	21	1.2	
20	256QAM	1	49	19.92	20.10	19.90			
20	256QAM	1	99	19.92	20.01	19.94			
20	256QAM	50	0	19.87	19.99	19.93	21	1.2	
20	256QAM	50	24	19.92	20.03	19.88			
20	256QAM	50	50	19.89	20.02	19.83			
20	256QAM	100	0	19.95	19.96	19.91	20	1.2	
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	20.49	20.60	20.54		22.2	0
15	QPSK	1	37	20.26	20.35	20.56			
15	QPSK	1	74	20.23	20.36	20.48	22.2	0	
15	QPSK	36	0	20.30	20.52	20.59			
15	QPSK	36	20	20.27	20.33	20.47			
15	QPSK	36	39	20.34	20.39	20.50	22.2	0	
15	QPSK	75	0	20.31	20.38	20.30			
15	16QAM	1	0	20.34	20.36	20.48			
15	16QAM	1	37	20.27	20.35	20.55	22.2	0	
15	16QAM	1	74	20.34	20.30	20.47			
15	16QAM	36	0	20.23	20.33	20.53	22.2	0	
15	16QAM	36	20	20.20	20.32	20.55			
15	16QAM	36	39	20.21	20.37	20.53			
15	16QAM	75	0	20.21	20.26	20.51	22.2	0	
15	64QAM	1	0	20.31	20.30	20.44			
15	64QAM	1	37	20.25	20.29	20.46	22.2	0	
15	64QAM	1	74	20.28	20.37	20.56			
15	64QAM	36	0	20.22	20.35	20.57	22.2	0	
15	64QAM	36	20	20.27	20.32	20.49			
15	64QAM	36	39	20.28	20.39	20.54			
15	64QAM	75	0	20.24	20.34	20.52	21	1.2	
15	256QAM	1	0	19.85	19.95	19.81			
15	256QAM	1	37	19.85	20.05	19.73			
15	256QAM	1	74	19.81	19.94	19.89	21	1.2	
15	256QAM	36	0	19.76	19.83	19.84			
15	256QAM	36	20	19.85	19.85	19.73			
15	256QAM	36	39	19.84	19.92	19.67	21	1.2	
15	256QAM	75	0	19.79	19.94	19.77			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	20.52	20.58	20.57		22.2	0
10	QPSK	1	25	20.27	20.31	20.50			
10	QPSK	1	49	20.34	20.32	20.48	22.2	0	
10	QPSK	25	0	20.28	20.55	20.52			
10	QPSK	25	12	20.24	20.33	20.53			
10	QPSK	25	25	20.24	20.40	20.46	22.2	0	
10	QPSK	50	0	20.31	20.34	20.32			
10	16QAM	1	0	20.34	20.35	20.44			
10	16QAM	1	25	20.28	20.31	20.56	22.2	0	
10	16QAM	1	49	20.25	20.35	20.49			
10	16QAM	25	0	20.25	20.33	20.48			
10	16QAM	25	12	20.24	20.34	20.57	22.2	0	
10	16QAM	25	25	20.34	20.36	20.56			
10	16QAM	50	0	20.20	20.31	20.53			
10	64QAM	1	0	20.32	20.30	20.44	22.2	0	
10	64QAM	1	25	20.21	20.29	20.42			
10	64QAM	1	49	20.20	20.30	20.58			
10	64QAM	25	0	20.20	20.31	20.55	22.2	0	
10	64QAM	25	12	20.30	20.35	20.48			
10	64QAM	25	25	20.24	20.36	20.53			
10	64QAM	50	0	20.30	20.36	20.55	21	1.2	
10	256QAM	1	0	19.76	19.97	19.85			
10	256QAM	1	25	19.75	19.99	19.87			
10	256QAM	1	49	19.88	19.94	19.81	21	1.2	
10	256QAM	25	0	19.78	19.85	19.88			
10	256QAM	25	12	19.76	19.81	19.80			
10	256QAM	25	25	19.81	20.00	19.71	20	1.2	
10	256QAM	50	0	19.90	19.92	19.77			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	20.51	20.61	20.55		22.2	0
5	QPSK	1	12	20.32	20.30	20.50			
5	QPSK	1	24	20.28	20.38	20.55	22.2	0	
5	QPSK	12	0	20.28	20.51	20.48			
5	QPSK	12	7	20.31	20.28	20.51			
5	QPSK	12	13	20.23	20.37	20.45	22.2	0	
5	QPSK	25	0	20.32	20.32	20.27			
5	16QAM	1	0	20.28	20.35	20.48			
5	16QAM	1	12	20.23	20.38	20.55	22.2	0	
5	16QAM	1	24	20.35	20.29	20.47			
5	16QAM	12	0	20.25	20.36	20.55			
5	16QAM	12	7	20.27	20.32	20.50	22.2	0	
5	16QAM	12	13	20.35	20.36	20.52			
5	16QAM	25	0	20.27	20.28	20.50			
5	64QAM	1	0	20.30	20.30	20.43	22.2	0	
5	64QAM	1	12	20.23	20.30	20.43			
5	64QAM	1	24	20.21	20.37	20.54			
5	64QAM	12	0	20.23	20.33	20.51	22.2	0	
5	64QAM	12	7	20.26	20.29	20.51			
5	64QAM	12	13	20.26	20.40	20.56			
5	64QAM	25	0	20.26	20.32	20.55	22.2	0	
5	256QAM	1	0	19.87	20.08	19.87			
5	256QAM	1	12	19.78	19.99	19.74			
5	256QAM	1	24	19.76	19.90	19.84	21	1.2	
5	256QAM	12	0	19.78	19.87	19.81			
5	256QAM	12	7	19.85	19.86	19.81			
5	256QAM	12	13	19.75	19.99	19.74	21	1.2	
5	256QAM	25	0	19.87	19.80	19.86			

Band 38 PC2 Ant 1 DS13 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)				25850	25905	26010			
20	QPSK	1	0	22.38	22.42	22.40	23.8	0	
20	QPSK	1	49	22.34	22.35	22.34			
20	QPSK	1	99	22.32	22.32	22.30			
20	QPSK	50	0	22.28	22.38	22.31			
20	QPSK	50	24	22.31	22.31	22.35	23.8	0	
20	QPSK	50	50	22.33	22.37	22.34			
20	QPSK	100	0	22.28	22.36	22.30			
20	16QAM	1	0	22.30	22.37	22.28			
20	16QAM	1	49	22.26	22.37	22.35	23.8	0	
20	16QAM	50	0	22.33	22.38	22.31			
20	16QAM	50	24	22.33	22.37	22.31			
20	16QAM	50	50	22.29	22.36	22.30			
20	16QAM	100	0	22.27	22.35	22.33	23.8	0	
20	84QAM	1	0	22.27	22.36	22.32			
20	84QAM	1	49	22.27	22.37	22.29			
20	84QAM	1	99	22.30	22.32	22.32			
20	84QAM	50	0	22.31	22.31	22.31	23.8	0	
20	84QAM	50	24	22.30	22.37	22.36			
20	84QAM	50	50	22.29	22.36	22.34			
20	84QAM	100	0	22.33	22.34	22.35			
20	256QAM	1	0	22.32	22.37	22.28	23.8	0	
20	256QAM	1	49	22.32	22.34	22.30			
20	256QAM	1	99	22.29	22.37	22.33			
20	256QAM	50	0	22.32	22.35	22.35			
20	256QAM	50	24	22.26	22.31	22.36	23.8	0	
20	256QAM	50	50	22.28	22.34	22.36			
20	256QAM	100	0	22.32	22.37	22.31			
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	22.29	22.35	22.28	23.8	0	
15	QPSK	1	37	22.22	22.28	22.22			
15	QPSK	1	74	22.25	22.21	22.19			
15	QPSK	38	0	22.22	22.32	22.24			
15	QPSK	38	20	22.20	22.24	22.24	23.8	0	
15	QPSK	38	39	22.24	22.33	22.22			
15	QPSK	75	0	22.23	22.27	22.25			
15	16QAM	1	0	22.23	22.28	22.20			
15	16QAM	1	37	22.19	22.30	22.27	23.8	0	
15	16QAM	1	74	22.18	22.19	22.28			
15	16QAM	38	0	22.22	22.34	22.25			
15	16QAM	38	20	22.24	22.30	22.25			
15	16QAM	38	39	22.23	22.28	22.23	23.8	0	
15	16QAM	75	0	22.20	22.26	22.21			
15	84QAM	1	0	22.17	22.30	22.20			
15	84QAM	1	37	22.18	22.28	22.21			
15	84QAM	1	74	22.24	22.27	22.25	23.8	0	
15	84QAM	38	0	22.19	22.31	22.23			
15	84QAM	38	20	22.22	22.32	22.32			
15	84QAM	38	39	22.19	22.32	22.27			
15	84QAM	75	0	22.28	22.22	22.25	23.8	0	
15	256QAM	1	0	22.24	22.31	22.18			
15	256QAM	1	37	22.25	22.28	22.23			
15	256QAM	1	74	22.20	22.25	22.23			
15	256QAM	38	0	22.22	22.27	22.24	23.8	0	
15	256QAM	38	20	22.16	22.24	22.25			
15	256QAM	38	39	22.19	22.29	22.32			
15	256QAM	75	0	22.26	22.33	22.27			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	22.31	22.37	22.34	23.8	0	
10	QPSK	1	25	22.25	22.23	22.24			
10	QPSK	1	49	22.27	22.26	22.20			
10	QPSK	25	0	22.18	22.34	22.24			
10	QPSK	25	12	22.22	22.26	22.24	23.8	0	
10	QPSK	25	25	22.22	22.33	22.22			
10	QPSK	50	0	22.23	22.26	22.24			
10	16QAM	1	25	22.23	22.31	22.20			
10	16QAM	1	25	22.19	22.30	22.29	23.8	0	
10	16QAM	1	49	22.20	22.20	22.26			
10	16QAM	25	0	22.24	22.32	22.26			
10	16QAM	25	12	22.23	22.26	22.24			
10	16QAM	25	25	22.18	22.30	22.22	23.8	0	
10	16QAM	50	0	22.16	22.29	22.23			
10	84QAM	1	25	22.22	22.29	22.18			
10	84QAM	1	49	22.19	22.25	22.28			
10	84QAM	25	0	22.24	22.23	22.24	23.8	0	
10	84QAM	25	12	22.20	22.29	22.29			
10	84QAM	25	25	22.22	22.25	22.25			
10	84QAM	50	0	22.27	22.23	22.26			
10	256QAM	1	25	22.26	22.28	22.22	23.8	0	
10	256QAM	1	25	22.26	22.23	22.21			
10	256QAM	1	49	22.23	22.28	22.24			
10	256QAM	25	0	22.24	22.26	22.24			
10	256QAM	25	12	22.18	22.23	22.30	23.8	0	
10	256QAM	25	25	22.24	22.26	22.30			
10	256QAM	50	0	22.25	22.33	22.24			
Channel				3717.5	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	22.29	22.33	22.33	23.8	0	
5	QPSK	1	12	22.22	22.26	22.24			
5	QPSK	1	24	22.17	22.22	22.23			
5	QPSK	12	0	22.19	22.26	22.23			
5	QPSK	12	7	22.22	22.20	22.25	23.8	0	
5	QPSK	12	13	22.27	22.32	22.29			
5	QPSK	25	0	22.27	22.28	22.22			
5	16QAM	1	0	22.25	22.31	22.17			
5	16QAM	1	12	22.15	22.27	22.27	23.8	0	
5	16QAM	1	24	22.14	22.23	22.26			
5	16QAM	12	0	22.24	22.29	22.20			
5	16QAM	12	7	22.27	22.31	22.20			
5	16QAM	12	13	22.18	22.29	22.24	23.8	0	
5	16QAM	25	0	22.15	22.28	22.27			
5	84QAM	1	0	22.17	22.27	22.20			
5	84QAM	1	12	22.16	22.30	22.23			
5	84QAM	1	24	22.18	22.23	22.20	23.8	0	
5	84QAM	12	0	22.25	22.25	22.26			
5	84QAM	12	7	22.20	22.25	22.22			
5	84QAM	12	13	22.21	22.28	22.24			
5	84QAM	25	0	22.24	22.26	22.24	23.8	0	
5	256QAM	1	0	22.21	22.27	22.19			
5	256QAM	1	12	22.28	22.23	22.21			
5	256QAM	1	24	22.22	22.27	22.26			
5	256QAM	12	0	22.26	22.23	22.26	23.8	0	
5	256QAM	12	7	22.18	22.27	22.27			
5	256QAM	12	13	22.22	22.29	22.30			
5	256QAM	25	0	22.21	22.31	22.24			



Band 41 PC3 Ant 1 DS13 Standalone													
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power High Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)			
Channel													
Frequency (MHz)				39750	40185	40620	41055	41490					
20	QPSK	1	0	20.70	20.58	20.71	20.40	20.42	22.2	0			
20	QPSK	1	49	20.39	20.43	20.63	20.43	20.32					
20	QPSK	1	99	20.29	20.45	20.62	20.40	20.33					
20	QPSK	50	0	20.38	20.45	20.61	20.43	20.29					
20	QPSK	50	24	20.37	20.41	20.60	20.36	20.32					
20	QPSK	50	50	20.32	20.44	20.63	20.33	20.29	22.2	0			
20	QPSK	100	0	20.39	20.46	20.57	20.36	20.33					
20	16QAM	1	0	20.30	20.43	20.58	20.37	20.33					
20	16QAM	1	49	20.36	20.45	20.65	20.41	20.28					
20	16QAM	1	99	20.31	20.43	20.59	20.42	20.37					
20	16QAM	50	0	20.36	20.42	20.61	20.34	20.32	22.2	0			
20	16QAM	50	24	20.34	20.41	20.63	20.40	20.30					
20	16QAM	50	50	20.31	20.44	20.63	20.33	20.29					
20	16QAM	100	0	20.34	20.40	20.60	20.37	20.29					
20	84QAM	1	0	20.38	20.43	20.56	20.40	20.36	22.2	0			
20	84QAM	1	49	20.33	20.42	20.55	20.39	20.37					
20	84QAM	1	99	20.34	20.44	20.65	20.41	20.35					
20	84QAM	50	0	20.33	20.44	20.63	20.34	20.33					
20	84QAM	50	24	20.37	20.43	20.60	20.36	20.32					
20	84QAM	50	50	20.35	20.46	20.63	20.42	20.32	22.2	0			
20	84QAM	100	0	20.38	20.43	20.62	20.40	20.36					
20	256QAM	1	0	20.32	20.47	20.62	20.36	20.33					
20	256QAM	1	49	20.37	20.45	20.57	20.43	20.30					
20	256QAM	1	99	20.33	20.41	20.58	20.40	20.28					
20	256QAM	50	0	20.37	20.41	20.60	20.39	20.37	21	1.2			
20	256QAM	50	24	20.36	20.44	20.56	20.42	20.37					
20	256QAM	50	50	20.35	20.45	20.56	20.37	20.33					
20	256QAM	100	0	20.37	20.48	20.63	20.34	20.28					
Channel													
Frequency (MHz)				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)			
				2503.5	2548.3	2593	2637.8	2682.5					
15	QPSK	1	0	20.40	20.43	20.60	20.42	20.32	22.2	0			
15	QPSK	1	37	20.29	20.32	20.52	20.35	20.24					
15	QPSK	1	74	20.22	20.36	20.50	20.32	20.24					
15	QPSK	36	0	20.26	20.36	20.52	20.34	20.26					
15	QPSK	36	39	20.27	20.33	20.49	20.31	20.26					
15	QPSK	36	75	20.26	20.40	20.47	20.25	20.28	22.2	0			
15	QPSK	75	0	20.29	20.37	20.52	20.25	20.21					
15	16QAM	1	0	20.20	20.36	20.49	20.32	20.25					
15	16QAM	1	37	20.24	20.39	20.54	20.35	20.22					
15	16QAM	1	74	20.21	20.32	20.50	20.36	20.20					
15	16QAM	36	0	20.26	20.37	20.51	20.37	20.26	22.2	0			
15	16QAM	36	20	20.28	20.32	20.58	20.31	20.21					
15	16QAM	36	39	20.26	20.34	20.51	20.23	20.22					
15	16QAM	75	0	20.29	20.29	20.55	20.32	20.21					
15	84QAM	1	0	20.32	20.35	20.48	20.31	20.25					
15	84QAM	1	37	20.29	20.34	20.45	20.34	20.28	22.2	0			
15	84QAM	1	74	20.22	20.32	20.54	20.33	20.20					
15	84QAM	36	0	20.28	20.34	20.53	20.34	20.26					
15	84QAM	36	20	20.33	20.37	20.50	20.31	20.22					
15	84QAM	36	39	20.25	20.35	20.58	20.33	20.26					
15	84QAM	75	0	20.26	20.36	20.52	20.32	20.31	21	1.2			
15	256QAM	1	0	20.25	20.42	20.50	20.28	20.22					
15	256QAM	1	37	20.32	20.35	20.47	20.34	20.26					
15	256QAM	1	74	20.22	20.32	20.46	20.28	20.23					
15	256QAM	36	0	20.29	20.32	20.45	20.34	20.25					
15	256QAM	36	20	20.25	20.37	20.52	20.37	20.31	21	1.2			
15	256QAM	36	39	20.25	20.37	20.48	20.28	20.28					
15	256QAM	75	0	20.28	20.38	20.51	20.22	20.20					
Channel													
Frequency (MHz)				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)			
				2501	2547	2593	2639	2685					
10	QPSK	1	0	20.39	20.47	20.65	20.43	20.36	22.20	0			
10	QPSK	1	25	20.28	20.33	20.55	20.33	20.24					
10	QPSK	1	49	20.23	20.38	20.55	20.33	20.29					
10	QPSK	25	0	20.30	20.35	20.50	20.36	20.20					
10	QPSK	25	12	20.25	20.34	20.48	20.28	20.23					
10	QPSK	25	25	20.23	20.43	20.49	20.25	20.22	22.2	0			
10	QPSK	50	0	20.34	20.34	20.53	20.24	20.24					
10	16QAM	1	0	20.25	20.32	20.52	20.34	20.27					
10	16QAM	1	25	20.32	20.40	20.58	20.31	20.23					
10	16QAM	1	49	20.22	20.34	20.55	20.31	20.30					
10	16QAM	25	0	20.27	20.36	20.54	20.29	20.28	22.2	0			
10	16QAM	25	12	20.25	20.31	20.54	20.36	20.21					
10	16QAM	25	25	20.20	20.37	20.57	20.26	20.22					
10	16QAM	50	0	20.25	20.31	20.56	20.25	20.22					
10	84QAM	1	0	20.34	20.32	20.47	20.34	20.26					
10	84QAM	1	25	20.22	20.32	20.49	20.33	20.26	22.2	0			
10	84QAM	1	49	20.29	20.34	20.57	20.31	20.31					
10	84QAM	25	0	20.29	20.38	20.54	20.26	20.28					
10	84QAM	25	12	20.32	20.35	20.54	20.25	20.22					
10	84QAM	25	25	20.28	20.38	20.58	20.37	20.21					
10	84QAM	50	0	20.30	20.37	20.53	20.30	20.31	21	1.2			
10	256QAM	1	0	20.21	20.35	20.55	20.31	20.28					
10	256QAM	1	25	20.28	20.34	20.47	20.31	20.24					
10	256QAM	1	49	20.23	20.35	20.47	20.31	20.19					
10	256QAM	25	0	20.28	20.35	20.48	20.27	20.26					
10	256QAM	25	12	20.31	20.33	20.47	20.33	20.29	21	1.2			
10	256QAM	25	25	20.23	20.41	20.46	20.27	20.20					
10	256QAM	50	0	20.30	20.41	20.52	20.30	20.21					
Channel													
Frequency (MHz)				2498.5	42145	42620	41093	41665	Tune-up limit (dBm)	MPR (dB)			
5	QPSK	1	0	20.37	20.51	20.64	20.39	20.36	22.20	0			
5	QPSK	1	12	20.28	20.36	20.57	20.34	20.21					
5	QPSK	1	24	20.20	20.40	20.53	20.36	20.26					
5	QPSK	12	0	20.33	20.33	20.56	20.38	20.20					
5	QPSK	12	7	20.30	20.35	20.56	20.38	20.22					
5	QPSK	12	13	20.24	20.41	20.45	20.29	20.26	22.2	0			
5	QPSK	25	0	20.31	20.38	20.50	20.31	20.28					
5	16QAM	1	0	20.21	20.33	20.51	20.29	20.23					
5	QPSK	1	12	20.25	20.36	20.53	20.31	20.20					
5	16QAM	1	24	20.24	20.37	20.51	20.35	20.22					
5	16QAM	12	0	20.29	20.31	20.56	20.28	20.22	22.2	0			
5	16QAM	12	7	20.24	20.29	20.56	20.29	20.23					
5	16QAM	12	13	20.25	20.34	20.57	20.22	20.24					
5	16QAM	25	0	20.29	20.35	20.53	20.32	20.22					
5	84QAM	1	0	20.33	20.35	20.47	20.36	20.29					
5	84QAM	1	12	20.28	20.32	20.45	20.32	20.26	22.2	0			
5	84QAM	1	24	20.24	20.34	20.56	20.36	20.27					
5	84QAM	12	0	20.28	20.39	20.58	20.30	20.25					
5	84QAM	12	7	20.27	20.34	20.49	20.29	20.20					
5	84QAM	12	13	20.27	20.41	20.53	20.34	20.25					
5	84QAM	25	0	20.33	20.31	20.50	20.36	20.27	21	1.2			
5	256QAM	1	0	20.24	20.39	20.52	20.28	20.28					
5	256QAM	1	12	20.27	20.37	20.45	20.39	20.25					
5	256QAM	1	24	20.26	20.37	20.51	20.34	20.22					
5	256QAM	12	0	20.28	20.30	20.49	20.32	20.33					
5	256QAM	12	13	20.22	20.35	20.46	20.32	20.23	21	1.2			
5	256QAM	25	0	20.31	20.42	20.54	20.28	20.16					



Band 42 Part27Q Ant 2 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				42190	42590	42990	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	21.45	21.65	21.39	22.5	0	
20	QPSK	1	49	21.43	21.47	21.37			
20	QPSK	1	99	21.36	21.49	21.40			
20	QPSK	50	0	21.43	21.54	21.42	22	0.5	
20	QPSK	50	24	21.41	21.50	21.42			
20	QPSK	50	50	21.38	21.42	21.36			
20	QPSK	100	0	20.45	20.51	20.45	22	0.5	
20	16QAM	1	0	21.35	21.49	21.39			
20	16QAM	1	49	21.30	21.42	21.29			
20	16QAM	1	99	21.23	21.37	21.22	21.5	1	
20	16QAM	50	0	21.48	21.30	21.36			
20	16QAM	50	24	21.46	21.32	21.40			
20	16QAM	50	50	21.24	21.39	21.24	22	0.5	
20	16QAM	100	0	19.66	19.51	19.67			
20	64QAM	1	0	21.37	21.50	21.46			
20	64QAM	1	49	21.50	21.54	21.50	20.5	2	
20	64QAM	1	99	21.33	21.44	21.31			
20	64QAM	50	0	20.36	20.26	20.22			
20	64QAM	50	24	20.40	20.24	20.31	19	3.5	
20	64QAM	50	50	20.33	20.44	20.30			
20	64QAM	100	0	18.55	18.50	18.67			
20	256QAM	1	0	18.51	18.58	18.52	19	3.5	
20	256QAM	1	49	18.42	18.53	18.39			
20	256QAM	1	99	18.30	18.39	18.31			
20	256QAM	50	0	18.38	18.52	18.38	19	3.5	
20	256QAM	50	24	18.48	18.24	18.51			
20	256QAM	50	50	18.34	18.43	18.33			
20	256QAM	100	0	18.45	18.53	18.50	Tune-up limit (dBm)	MPR (dB)	
Channel				42165	42590	43015			
Frequency (MHz)				3457.5	3500	3542.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	21.51	21.60	21.43		22.5	
15	QPSK	1	37	21.35	21.39	21.32	22	0.5	
15	QPSK	1	74	21.22	21.43	21.24			
15	QPSK	36	0	21.41	21.46	21.29			
15	QPSK	36	20	21.32	21.37	21.27	21.5	1	
15	QPSK	36	39	21.24	21.32	21.28			
15	QPSK	75	0	21.27	21.37	21.32			
15	16QAM	1	0	21.41	21.39	21.39	22	0.5	
15	16QAM	1	37	21.23	21.39	21.25			
15	16QAM	1	74	21.19	21.25	21.21			
15	16QAM	36	0	21.43	21.33	21.43	20.5	2	
15	16QAM	36	20	21.36	21.40	21.31			
15	16QAM	36	39	21.16	21.33	21.25			
15	16QAM	75	0	21.23	21.43	21.34	22	0.5	
15	64QAM	1	0	21.33	21.37	21.32			
15	64QAM	1	37	21.35	21.45	21.42			
15	64QAM	1	74	21.22	21.29	21.22	19	3.5	
15	64QAM	36	0	20.33	20.46	20.45			
15	64QAM	36	20	20.46	20.50	20.39			
15	64QAM	36	39	20.23	20.39	20.32	19	3.5	
15	64QAM	75	0	20.34	20.38	20.26			
15	256QAM	1	0	18.34	18.52	18.32			
15	256QAM	1	37	18.31	18.42	18.27	19	3.5	
15	256QAM	1	74	18.31	18.30	18.26			
15	256QAM	36	0	18.32	18.48	18.29			
15	256QAM	36	20	18.36	18.50	18.38	19	3.5	
15	256QAM	36	39	18.21	18.33	18.26			
15	256QAM	75	0	18.28	18.38	18.40			
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	21.53	21.53	21.46	22.5	0	
10	QPSK	1	25	21.26	21.34	21.26			
10	QPSK	1	49	21.29	21.44	21.22			
10	QPSK	25	0	21.42	21.47	21.26	22	0.5	
10	QPSK	25	12	21.25	21.47	21.28			
10	QPSK	25	25	21.26	21.36	21.24			
10	QPSK	50	0	21.37	21.45	21.38	22	0.5	
10	16QAM	1	0	21.33	21.45	21.37			
10	16QAM	1	25	21.26	21.37	21.26			
10	16QAM	1	49	21.14	21.34	21.22	21.5	1	
10	16QAM	25	0	21.49	21.45	21.44			
10	16QAM	25	12	21.30	21.46	21.26			
10	16QAM	25	25	21.23	21.25	21.22	22	0.5	
10	16QAM	50	0	21.25	21.38	21.35			
10	64QAM	1	0	21.29	21.43	21.32			
10	64QAM	1	25	21.34	21.40	21.43	20.5	2	
10	64QAM	1	49	21.33	21.39	21.19			
10	64QAM	25	0	20.30	20.45	20.43			
10	64QAM	25	12	20.43	20.50	20.40	19	3.5	
10	64QAM	25	25	20.21	20.39	20.32			
10	64QAM	50	0	20.28	20.41	20.30			
10	256QAM	1	0	18.34	18.50	18.37	19	3.5	
10	256QAM	1	25	18.37	18.43	18.33			
10	256QAM	1	49	18.33	18.29	18.22			
10	256QAM	25	0	18.32	18.45	18.34	19	3.5	
10	256QAM	25	12	18.34	18.44	18.38			
10	256QAM	25	25	18.26	18.39	18.19			
10	256QAM	50	0	18.34	18.46	18.31	Tune-up limit (dBm)	MPR (dB)	
Channel				42115	42590	43065			
Frequency (MHz)				3421.5	3500	3517.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK		0	21.56	21.52	21.45		22.5	
5	QPSK	1	12	21.35	21.35	21.34	22	0.5	
5	QPSK	1	24	21.33	21.40	21.22			
5	QPSK	12	0	21.42	21.47	21.29			
5	QPSK	12	7	21.27	21.39	21.34	22	0.5	
5	QPSK	12	13	21.25	21.32	21.29			
5	QPSK	25	0	21.30	21.46	21.29			
5	16QAM	1	0	21.36	21.40	21.35	22	0.5	
5	16QAM	1	12	21.28	21.37	21.24			
5	16QAM	1	24	21.18	21.27	21.16			
5	16QAM	12	0	21.50	21.47	21.32	21.5	1	
5	16QAM	12	7	21.30	21.43	21.33			
5	16QAM	12	13	21.17	21.25	21.24			
5	16QAM	25	0	21.29	21.40	21.34	22	0.5	
5	64QAM	1	0	21.27	21.45	21.22			
5	64QAM	1	12	21.34	21.41	21.40			
5	64QAM	1	24	21.23	21.34	21.23	20.5	2	
5	64QAM	12	0	20.39	20.42	20.46			
5	64QAM	12	7	20.39	20.49	20.39			
5	64QAM	12	13	20.15	20.36	20.35	19	3.5	
5	64QAM	25	0	20.26	20.39	20.32			
5	256QAM	1	0	18.34	18.54	18.34			
5	256QAM	1	12	18.33	18.46	18.33	19	3.5	
5	256QAM	1	24	18.29	18.27	18.20			
5	256QAM	12	0	18.34	18.46	18.33			
5	256QAM	12	7	18.29	18.44	18.34	19	3.5	
5	256QAM	12	13	18.23	18.29	18.23			
5	256QAM	25	0	18.31	18.41	18.34			

Band 42 Part96 Ant 2 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				43190	43340	43490	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3560	3575	3590			
20	QPSK	1	0	21.27	21.55	21.16	22.5	0	
20	QPSK	1	49	21.32	21.33	21.17			
20	QPSK	1	99	21.21	21.25	21.17			
20	QPSK	50	0	21.33	21.37	21.29			
20	QPSK	50	24	21.18	21.40	21.18	22	0.5	
20	QPSK	50	50	21.16	21.24	21.24			
20	QPSK	100	0	20.50	20.33	20.29			
20	16QAM	1	0	21.13	21.26	21.17			
20	16QAM	1	49	21.14	21.19	21.08	22	0.5	
20	16QAM	1	99	21.01	21.23	21.04			
20	16QAM	50	0	21.36	21.12	21.21			
20	16QAM	50	24	21.29	21.22	21.28			
20	16QAM	50	50	21.08	21.08	21.01	21.5	1	
20	16QAM	100	0	19.56	19.90	19.52			
20	64QAM	1	0	21.25	21.40	21.35			
20	64QAM	1	49	21.39	21.29	21.28			
20	64QAM	1	99	21.08	21.25	21.11	22	0.5	
20	64QAM	50	0	20.24	20.15	19.98			
20	64QAM	50	24	20.19	20.04	20.18			
20	64QAM	100	0	20.12	20.34	20.12			
20	64QAM	100	0	18.66	18.56	18.73	20.5	2	
20	256QAM	1	0	18.31	18.37	18.33			
20	256QAM	1	49	18.27	18.34	18.20			
20	256QAM	1	99	18.13	18.27	18.10			
20	256QAM	50	0	18.19	18.30	18.16	19	3.5	
20	256QAM	50	24	18.37	18.33	18.32			
20	256QAM	50	50	18.14	18.17	18.15			
20	256QAM	100	0	18.32	18.37	18.32			
Channel				43165	43340	43515	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3557.5	3575	3592.5			
15	QPSK	1	0	21.31	21.45	21.16	22.5	0	
15	QPSK	1	37	21.26	21.23	21.20			
15	QPSK	1	74	21.19	21.29	21.17			
15	QPSK	36	0	21.23	21.37	21.11			
15	QPSK	36	20	21.28	21.29	21.22	22	0.5	
15	QPSK	36	39	21.13	21.31	21.15			
15	QPSK	75	0	20.34	20.28	20.21			
15	16QAM	1	0	21.19	21.24	21.24			
15	16QAM	1	37	21.09	21.27	21.17	22	0.5	
15	16QAM	1	74	21.01	21.19	21.01			
15	16QAM	36	0	21.35	21.11	21.20			
15	16QAM	36	20	21.29	21.19	21.20			
15	16QAM	36	39	21.14	21.18	21.03	21.5	1	
15	16QAM	75	0	21.36	21.40	21.31			
15	64QAM	1	0	21.20	21.33	21.36			
15	64QAM	1	37	21.27	21.43	21.27			
15	64QAM	1	74	21.20	21.38	21.14	22	0.5	
15	64QAM	36	0	20.24	20.02	20.00			
15	64QAM	36	20	20.21	20.02	20.08			
15	64QAM	36	39	20.18	20.29	20.11			
15	64QAM	75	0	20.33	20.48	20.45	20.5	2	
15	256QAM	1	0	18.39	18.36	18.35			
15	256QAM	1	37	18.15	18.42	18.24			
15	256QAM	1	74	18.19	18.20	18.13			
15	256QAM	36	0	18.15	18.30	18.25	19	3.5	
15	256QAM	36	20	18.28	18.30	18.19			
15	256QAM	36	39	18.20	18.29	18.26			
15	256QAM	75	0	18.22	18.32	18.39			
Channel				43120	43340	43540	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3553	3575	3596			
10	QPSK	1	0	21.23	21.49	21.41	22.5	0	
10	QPSK	1	25	21.32	21.25	21.24			
10	QPSK	1	49	21.25	21.35	21.25			
10	QPSK	25	0	21.32	21.42	21.32			
10	QPSK	25	12	21.29	21.31	21.32	22	0.5	
10	QPSK	25	25	21.20	21.23	21.13			
10	QPSK	50	0	20.22	20.38	20.29			
10	16QAM	1	0	21.14	21.27	21.17			
10	16QAM	1	25	21.13	21.19	21.16	22	0.5	
10	16QAM	1	49	21.09	21.15	21.00			
10	16QAM	25	0	21.37	21.15	21.14			
10	16QAM	25	12	21.26	21.14	21.15			
10	16QAM	25	25	21.00	21.24	21.08	21.5	1	
10	16QAM	50	0	21.30	21.46	21.26			
10	64QAM	1	0	21.25	21.36	21.27			
10	64QAM	1	25	21.30	21.39	21.28			
10	64QAM	1	49	21.22	21.23	21.18	22	0.5	
10	64QAM	25	0	20.12	20.06	20.00			
10	64QAM	25	12	20.22	20.01	20.14			
10	64QAM	25	25	20.20	20.28	20.19			
10	64QAM	50	0	20.43	20.50	20.40	20.5	2	
10	256QAM	1	0	18.38	18.47	18.34			
10	256QAM	1	25	18.29	18.31	18.14			
10	256QAM	1	49	18.19	18.29	18.21			
10	256QAM	25	0	18.21	18.28	18.26	19	3.5	
10	256QAM	25	12	18.37	18.42	18.38			
10	256QAM	25	25	18.14	18.30	18.20			
10	256QAM	50	0	18.31	18.42	18.27			
Channel				43115	43340	43565	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3552.5	3575	3597.5			
5	QPSK	1	0	21.32	21.43	21.24	22.5	0	
5	QPSK	1	12	21.26	21.33	21.21			
5	QPSK	1	24	21.12	21.28	21.23			
5	QPSK	12	0	21.29	21.35	21.26			
5	QPSK	12	7	21.23	21.39	21.28	22	0.5	
5	QPSK	12	13	21.22	21.32	21.16			
5	QPSK	25	0	20.33	20.35	20.35			
5	16QAM	1	0	21.13	21.33	21.24			
5	16QAM	1	12	21.13	21.31	21.14	22	0.5	
5	16QAM	1	24	21.05	21.22	21.14			
5	16QAM	12	0	21.35	21.41	21.09			
5	16QAM	12	7	21.24	21.16	21.27			
5	16QAM	12	13	21.10	21.23	21.07	21.5	1	
5	16QAM	25	0	21.29	21.40	21.34			
5	64QAM	1	0	21.24	21.25	21.22			
5	64QAM	1	12	21.36	21.31	21.38			
5	64QAM	1	24	21.23	21.27	21.21	22	0.5	
5	64QAM	12	0	20.19	20.11	20.06			
5	64QAM	12	7	20.19	20.09	20.12			
5	64QAM	12	13	20.09	20.30	20.19			
5	64QAM	25	0	20.39	20.49	20.39	20.5	2	
5	256QAM	1	0	18.27	18.45	18.35			
5	256QAM	1	12	18.19	18.36	18.16			
5	256QAM	1	24	18.11	18.16	18.09			
5	256QAM	12	0	18.19	18.27	18.19	19	3.5	
5	256QAM	12	7	18.28	18.30	18.34			
5	256QAM	12	13	18.21	18.33	18.09			
5	256QAM	25	0	18.24	18.36	18.33			



Band 43 Ant 2 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				43990	43990	44390	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3610	3650	3690			
20	QPSK	1	0	21.56	21.72	21.64	22.5	0	
20	QPSK	1	49	21.53	21.57	21.42			
20	QPSK	1	99	21.56	21.60	21.54			
20	QPSK	50	0	21.62	21.68	21.64	22	0.5	
20	QPSK	50	24	21.61	21.66	21.54			
20	QPSK	50	50	21.55	21.61	21.53			
20	QPSK	100	0	20.53	20.62	20.50	22	0.5	
20	16QAM	1	0	21.48	21.55	21.47			
20	16QAM	1	49	21.50	21.57	21.44			
20	16QAM	1	99	21.46	21.60	21.51	21.5	1	
20	16QAM	50	0	21.40	21.44	21.33			
20	16QAM	50	24	21.34	21.43	21.38			
20	16QAM	50	50	21.38	21.45	21.30	22	0.5	
20	16QAM	100	0	19.56	19.63	19.58			
20	64QAM	1	0	21.57	21.65	21.52			
20	64QAM	1	49	21.55	21.63	21.52	22	0.5	
20	64QAM	1	99	21.60	21.66	21.61			
20	64QAM	50	0	20.40	20.46	20.36			
20	64QAM	50	24	20.33	20.46	20.36	20.5	2	
20	64QAM	50	50	20.44	20.48	20.36			
20	64QAM	100	0	18.57	18.64	18.53			
20	256QAM	1	0	18.43	18.47	18.35	19	3.5	
20	256QAM	1	49	18.44	18.58	18.48			
20	256QAM	1	99	18.36	18.48	18.39			
20	256QAM	50	0	18.52	18.62	18.51	19	3.5	
20	256QAM	50	24	18.57	18.64	18.57			
20	256QAM	50	50	18.48	18.63	18.54			
20	256QAM	100	0	18.52	18.60	18.54	19	3.5	
Channel				44165	44215	44265 <th></th>			
Frequency (MHz)				3657.5	3662.5	3667.5 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	21.54	21.67	21.60	22.5	0	
15	QPSK	1	37	21.33	21.44	21.45			
15	QPSK	1	74	21.37	21.57	21.47			
15	QPSK	36	0	21.49	21.58	21.48	22	0.5	
15	QPSK	36	20	21.48	21.55	21.47			
15	QPSK	36	39	21.48	21.53	21.37			
15	QPSK	75	0	21.45	21.55	21.42	22	0.5	
15	16QAM	1	0	21.45	21.41	21.39			
15	16QAM	1	37	21.44	21.46	21.33			
15	16QAM	1	74	21.42	21.56	21.41	21.5	1	
15	16QAM	36	0	21.21	21.34	21.25			
15	16QAM	36	20	21.28	21.36	21.28			
15	16QAM	36	39	21.31	21.34	21.30	22	0.5	
15	16QAM	75	0	21.23	21.39	21.26			
15	64QAM	1	0	21.48	21.56	21.47			
15	64QAM	1	37	21.45	21.59	21.46	22	0.5	
15	64QAM	1	74	21.48	21.59	21.47			
15	64QAM	36	0	20.32	20.34	20.25			
15	64QAM	36	20	20.19	20.41	20.25	20.5	2	
15	64QAM	36	39	20.34	20.44	20.33			
15	64QAM	75	0	20.26	20.37	20.28			
15	256QAM	1	0	18.25	18.34	18.31	19	3.5	
15	256QAM	1	37	18.43	18.54	18.43			
15	256QAM	1	74	18.28	18.45	18.32			
15	256QAM	36	0	18.39	18.51	18.46	19	3.5	
15	256QAM	36	20	18.40	18.55	18.54			
15	256QAM	36	39	18.39	18.50	18.36			
15	256QAM	75	0	18.48	18.55	18.44	19	3.5	
Channel				44140	44215	44290 <th></th>			
Frequency (MHz)				3655	3662.5	3670 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	21.53	21.59	21.49	22.5	0	
10	QPSK	1	25	21.37	21.51	21.45			
10	QPSK	1	49	21.41	21.53	21.52			
10	QPSK	25	0	21.46	21.55	21.49	22	0.5	
10	QPSK	25	12	21.46	21.61	21.41			
10	QPSK	25	25	21.41	21.52	21.45			
10	QPSK	50	0	21.51	21.54	21.42	22	0.5	
10	16QAM	1	0	21.35	21.44	21.43			
10	16QAM	1	25	21.47	21.52	21.42			
10	16QAM	1	49	21.41	21.55	21.49	21.5	1	
10	16QAM	25	0	21.16	21.31	21.17			
10	16QAM	25	12	21.21	21.39	21.32			
10	16QAM	25	25	21.36	21.39	21.28	22	0.5	
10	16QAM	50	0	21.23	21.32	21.28			
10	64QAM	1	0	21.40	21.59	21.53			
10	64QAM	1	25	21.50	21.53	21.49	20.5	2	
10	64QAM	1	49	21.49	21.56	21.54			
10	64QAM	25	0	20.27	20.31	20.21			
10	64QAM	25	12	20.17	20.39	20.22	19	3.5	
10	64QAM	25	25	20.31	20.34	20.34			
10	64QAM	50	0	20.50	20.50	20.44			
10	256QAM	1	0	18.26	18.38	18.27	19	3.5	
10	256QAM	1	25	18.40	18.43	18.39			
10	256QAM	1	49	18.32	18.38	18.24			
10	256QAM	25	0	18.37	18.56	18.45	19	3.5	
10	256QAM	25	12	18.41	18.52	18.56			
10	256QAM	25	25	18.41	18.54	18.41			
10	256QAM	50	0	18.52	18.47	18.41	19	3.5	
Channel				44115	44215	44315 <th></th>			
Frequency (MHz)				3652.5	3662.5	3672.5 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	21.54	21.63	21.57	22.5	0	
5	QPSK	1	12	21.41	21.51	21.37			
5	QPSK	1	24	21.39	21.56	21.45			
5	QPSK	12	0	21.46	21.64	21.45	22	0.5	
5	QPSK	12	7	21.52	21.57	21.41			
5	QPSK	12	13	21.41	21.54	21.46			
5	QPSK	25	0	21.49	21.59	21.43	22	0.5	
5	16QAM	1	0	21.45	21.40	21.34			
5	16QAM	1	12	21.41	21.45	21.41			
5	16QAM	1	24	21.43	21.56	21.42	21.5	1	
5	16QAM	12	0	21.18	21.31	21.18			
5	16QAM	12	7	21.25	21.38	21.28			
5	16QAM	12	13	21.26	21.38	21.24	22	0.5	
5	16QAM	25	0	21.32	21.33	21.22			
5	64QAM	1	0	21.38	21.57	21.53			
5	64QAM	1	12	21.47	21.54	21.51	22	0.5	
5	64QAM	1	24	21.52	21.58	21.49			
5	64QAM	12	0	20.33	20.32	20.26			
5	64QAM	12	7	20.24	20.34	20.22	20.5	2	
5	64QAM	12	13	20.31	20.35	20.37			
5	64QAM	25	0	20.28	20.41	20.24			
5	256QAM	1	0	18.27	18.33	18.37	19	3.5	
5	256QAM	1	12	18.38	18.47	18.46			
5	256QAM	1	24	18.30	18.33	18.32			
5	256QAM	12	0	18.42	18.53	18.46	19	3.5	
5	256QAM	12	7	18.45	18.50	18.56			
5	256QAM	12	13	18.46	18.51	18.42			
5	256QAM	25	0	18.45	18.54	18.45	19	3.5	
Channel				44115	44215	44315 <th></th>			
Frequency (MHz)				3652.5	3662.5	3672.5	Tune-up limit (dBm)	MPR (dB)	

Band 48 Ant 2 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	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3560	3609	3641	3690			
20	QPSK	1	0	21.63	21.85	21.64	21.72	22.5	0	
20	QPSK	1	49	21.66	21.69	21.62	21.61			
20	QPSK	1	99	21.63	21.73	21.69	21.69			
20	QPSK	50	0	21.65	21.75	21.69	21.64	22	0.5	
20	QPSK	50	24	21.61	21.73	21.63	21.68			
20	QPSK	50	50	21.68	21.71	21.66	21.66			
20	QPSK	100	0	20.70	20.74	20.69	20.62	22	0.5	
20	16QAM	1	0	21.54	21.63	21.54	21.50			
20	16QAM	1	49	21.57	21.68	21.62	21.64			
20	16QAM	1	99	21.49	21.60	21.55	21.46	21.5	1	
20	16QAM	50	0	21.32	21.46	21.38	21.34			
20	16QAM	50	24	21.33	21.47	21.35	21.35			
20	16QAM	50	50	21.37	21.39	21.31	21.29	22	0.5	
20	16QAM	100	0	19.69	19.76	19.63	19.63			
20	64QAM	1	0	21.66	21.74	21.59	21.66			
20	64QAM	1	49	21.63	21.68	21.54	21.58	20.5	2	
20	64QAM	1	99	21.65	21.70	21.62	21.65			
20	64QAM	50	0	20.28	20.46	20.32	20.35			
20	64QAM	50	24	20.24	20.35	20.30	20.27	19	3.5	
20	64QAM	50	50	20.29	20.38	20.34	20.31			
20	64QAM	100	0	18.76	18.80	18.73	18.71			
20	256QAM	1	0	18.72	18.78	18.69	18.72	19	3.5	
20	256QAM	1	49	18.64	18.69	18.59	18.54			
20	256QAM	1	99	18.59	18.72	18.62	18.66			
20	256QAM	50	0	18.57	18.71	18.63	18.57	19	3.5	
20	256QAM	50	24	18.57	18.64	18.56	18.51			
20	256QAM	50	50	18.61	18.66	18.56	18.55			
20	256QAM	100	0	18.73	18.76	18.65	18.68	Channel	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				35515	35820	36160	36685			
15	QPSK	1	0	21.72	21.76	21.50	21.61	22.5	0	
15	QPSK	1	37	21.59	21.65	21.47	21.55			
15	QPSK	1	74	21.59	21.66	21.60	21.65			
15	QPSK	36	0	21.55	21.56	21.54	21.59	22	0.5	
15	QPSK	36	20	21.46	21.58	21.58	21.57			
15	QPSK	75	0	21.63	21.64	21.55	21.50			
15	16QAM	1	0	21.49	21.59	21.49	21.44	22	0.5	
15	16QAM	1	37	21.51	21.61	21.52	21.58			
15	16QAM	1	74	21.39	21.50	21.48	21.32			
15	16QAM	36	0	21.22	21.42	21.30	21.22	21.5	1	
15	16QAM	36	20	21.31	21.39	21.24	21.26			
15	16QAM	36	20	21.21	21.29	21.29	21.10			
15	16QAM	75	0	21.28	21.42	21.21	21.33	22	0.5	
15	64QAM	1	0	21.59	21.65	21.50	21.51			
15	64QAM	1	37	21.50	21.61	21.41	21.51			
15	64QAM	1	74	21.54	21.56	21.41	21.54	20.5	2	
15	64QAM	36	0	20.40	20.40	20.32	20.32			
15	64QAM	36	20	20.27	20.39	20.31	20.30			
15	64QAM	36	39	20.25	20.33	20.27	20.31	19	3.5	
15	64QAM	75	0	20.48	20.49	20.39	20.34			
15	256QAM	1	0	18.61	18.66	18.59	18.59			
15	256QAM	1	37	18.58	18.56	18.55	18.44	22	0.5	
15	256QAM	1	74	18.46	18.69	18.58	18.60			
15	256QAM	36	0	18.52	18.61	18.59	18.52			
15	256QAM	36	20	18.44	18.49	18.48	18.41	19	3.5	
15	256QAM	36	39	18.48	18.53	18.48	18.51			
15	256QAM	75	0	18.62	18.63	18.53	18.58			
Channel				55290	55815	56165	56680	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3535	367.5	3642.5	3695			
10	QPSK	1	0	21.71	21.74	21.54	21.60	22.5	0	
10	QPSK	1	25	21.54	21.63	21.52	21.53			
10	QPSK	1	49	21.55	21.63	21.61	21.56			
10	QPSK	25	0	21.53	21.69	21.60	21.50	22	0.5	
10	QPSK	25	12	21.48	21.64	21.55	21.61			
10	QPSK	25	25	21.54	21.58	21.62	21.58			
10	QPSK	50	0	21.57	21.63	21.61	21.56	22	0.5	
10	16QAM	1	0	21.41	21.55	21.45	21.42			
10	16QAM	1	25	21.51	21.53	21.51	21.60			
10	16QAM	1	49	21.38	21.45	21.44	21.33	21.5	1	
10	16QAM	25	0	21.28	21.42	21.40	21.37			
10	16QAM	25	12	21.27	21.46	21.36	21.33			
10	16QAM	25	25	21.42	21.43	21.35	21.33	22	0.5	
10	16QAM	50	0	21.40	21.41	21.37	21.35			
10	16QAM	1	0	21.52	21.64	21.46	21.58			
10	64QAM	1	25	21.52	21.58	21.41	21.44	20.5	2	
10	64QAM	1	49	21.62	21.58	21.49	21.60			
10	64QAM	25	0	20.30	20.41	20.21	20.44			
10	64QAM	25	12	20.36	20.41	20.34	20.22	19	3.5	
10	64QAM	25	25	20.28	20.28	20.28	20.23			
10	64QAM	50	0	20.41	20.46	20.36	20.38			
10	256QAM	1	0	18.64	18.70	18.62	18.61	22	0.5	
10	256QAM	1	25	18.53	18.59	18.55	18.51			
10	256QAM	1	49	18.45	18.63	18.51	18.60			
10	256QAM	25	0	18.46	18.65	18.59	18.48	21	3.5	
10	256QAM	25	12	18.44	18.50	18.42	18.42			
10	256QAM	25	25	18.53	18.57	18.48	18.46			
10	256QAM	50	0	18.67	18.64	18.51	18.63	Channel	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				35525	35810	36170	36715			
5	QPSK	1	0	21.79	21.75	21.60	21.63	22.5	0	
5	QPSK	1	12	21.60	21.66	21.53	21.53			
5	QPSK	1	24	21.53	21.59	21.63	21.61			
5	QPSK	12	0	21.62	21.71	21.62	21.59	22	0.5	
5	QPSK	12	7	21.54	21.61	21.67	21.61			
5	QPSK	12	13	21.65	21.57	21.61	21.53			
5	QPSK	25	0	21.56	21.61	21.63	21.56	21.5	1	
5	16QAM	1	0	21.48	21.51	21.45	21.40			
5	16QAM	1	12	21.43	21.56	21.57	21.60			
5	16QAM	1	24	21.44	21.55	21.46	21.43	20.5	2	
5	16QAM	12	0	21.32	21.43	21.34	21.41			
5	16QAM	12	7	21.26	21.45	21.33	21.26			
5	16QAM	12	13	21.38	21.43	21.37	21.26	19	3.5	
5	16QAM	25	0	21.35	21.42	21.31	21.36			
5	64QAM	1	0	21.56	21.61	21.53	21.56			
5	64QAM	1	12	21.57	21.56	21.44	21.55	22	0.5	
5	64QAM	1	24	21.59	21.60	21.50	21.58			
5	64QAM	12	0	20.38	20.38	20.24	20.38			
5	64QAM	12	7	20.21	20.39	20.25	20.21	20.5	2	
5	64QAM	12	13	20.21	20.33	20.20	20.31			
5	64QAM	25	0	20.43	20.47	20.41	20.48			
5	256QAM	1	0	18.64	18.71	18.58	18.57	19	3.5	
5	256QAM	1	12	18.51	18.65	18.56	18.48			
5	256QAM	1	24	18.49	18.64	18.56	18.55			
5	256QAM	12	0	18.45	18.62	18.49	18.45	22	0.5	
5	256QAM	12	7	18.46	18.51	18.43	18.40			
5	256QAM	12	13	18.55	18.59	18.39	18.54			
5	256QAM	25	0	18.59	18.71	18.55	18.46	Channel	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				35525	3607	3643	3697.5			

Reduced Power for DSI3 Simultaneous



Band 2 Ant 0 DS13 Simultaneous

BW [MHz]	Modulation	RB Size	RB Offset	Power Max Ch./F.Freq.	Power Min Ch./F.Freq.	Power Min Ch./F.Freq.	Turn-on Time (sec)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	0	18.10	18.10	18.09	19.5	0
20	QPSK	1	49	18.09	18.09	18.10		
20	QPSK	50	0	18.03	18.03	18.02		
20	QPSK	50	24	17.99	18.03	17.92		
20	QPSK	100	0	18.04	18.11	18.02		
20	16QAM	1	49	18.03	18.13	18.00	19.5	0
20	16QAM	1	99	18.04	18.11	17.88		
20	16QAM	50	0	18.00	18.07	17.96		
20	16QAM	50	24	18.00	18.11	17.84		
20	16QAM	100	0	18.00	18.11	18.00		
20	64QAM	1	49	18.07	18.10	17.99	19.5	0
20	64QAM	1	99	18.07	18.10	17.99		
20	64QAM	50	0	18.11	18.14	18.00		
20	64QAM	50	24	17.93	18.04	17.93		
20	64QAM	100	0	17.94	18.06	17.92		
20	256QAM	1	49	17.97	18.09	17.96	19.5	0
20	256QAM	1	99	18.01	18.12	18.00		
20	256QAM	50	0	17.99	18.05	17.94		
20	256QAM	50	24	17.98	18.03	17.92		
20	256QAM	100	0	17.98	18.10	18.02		
20	256QAM	100	0	18.03	18.07	18.03	Turn-on Time (sec)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	0	18.02	18.05	17.95	19.5	0
15	QPSK	1	49	17.98	18.07	17.87		
15	QPSK	1	99	17.91	18.01	17.83		
15	QPSK	1	74	17.89	18.02	17.91		
15	QPSK	36	0	17.88	18.07	17.81		
15	QPSK	36	49	17.85	18.02	17.86	18.5	0
15	QPSK	36	99	17.86	18.02	17.81		
15	QPSK	75	0	17.89	18.02	17.86		
15	16QAM	1	1	17.87	18.03	17.86		
15	16QAM	1	37	17.86	18.02	17.96		
15	16QAM	1	74	17.81	18.02	17.86	19.5	0
15	16QAM	36	0	18.01	18.06	17.86		
15	16QAM	36	99	17.92	17.97	17.86		
15	16QAM	75	0	17.83	17.83	17.87		
15	16QAM	75	0	17.83	17.83	17.87		
15	256QAM	1	37	17.83	18.00	17.84	19.5	0
15	256QAM	1	74	17.86	18.06	18.05		
15	256QAM	36	0	17.86	18.02	17.86		
15	256QAM	36	20	17.92	17.93	17.85		
15	256QAM	36	99	17.90	18.04	17.85		
15	256QAM	75	0	17.83	17.87	17.87	18.5	0
15	256QAM	75	0	17.83	17.87	17.87		
15	256QAM	75	0	17.83	17.87	17.87		
15	256QAM	75	0	17.83	17.87	17.87		
15	256QAM	75	0	17.83	17.87	17.87		
15	256QAM	75	0	17.83	17.87	17.87		
15	256QAM	75	0	17.83	17.87	17.87		
Channel								
Frequency (MHz)								
10	QPSK	1	0	18.03	18.06	18.03	19.5	0
10	QPSK	1	25	17.98	17.89	17.83		
10	QPSK	1	49	17.86	18.01	17.88		
10	QPSK	25	13	17.95	18.08	18.02		
10	QPSK	25	25	17.84	17.89	17.86		
10	16QAM	1	0	17.83	17.94	17.99	18.5	0
10	16QAM	1	25	17.84	18.05	18.08		
10	16QAM	1	49	17.80	17.86	17.87		
10	16QAM	25	12	17.90	17.94	17.89		
10	16QAM	25	12	17.81	17.86	17.86		
10	16QAM	25	12	17.83	17.88	17.82	19.5	0
10	16QAM	50	0	17.91	18.03	17.93		
10	16QAM	50	1	17.85	18.06	17.85		
10	16QAM	1	0	17.83	17.94	17.99		
10	16QAM	1	49	17.83	18.00	17.97		
10	16QAM	25	0	17.87	18.06	17.86	18.5	0
10	16QAM	25	12	17.87	18.01	17.85		
10	16QAM	25	12	17.87	18.01	17.85		
10	16QAM	25	12	17.87	18.01	17.85		
10	16QAM	25	12	17.87	18.01	17.85		
10	256QAM	1	25	17.90	18.04	17.87	19.5	0
10	256QAM	1	49	17.81	18.02	17.83		
10	256QAM	1	25	18.04	18.02	17.98		
10	256QAM	1	49	17.85	18.07	17.85		
10	256QAM	1	25	17.90	18.04	17.87		
10	256QAM	12	15	17.86	18.02	17.81	18.5	0
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81	19.5	0
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81	18.5	0
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81	19.5	0
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81	18.5	0
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81	19.5	0
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81	18.5	0
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81	19.5	0
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81	18.5	0
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81	19.5	0
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81	18.5	0
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81	19.5	0
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81	18.5	0
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81	19.5	0
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81	18.5	0
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81	19.5	0
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81	18.5	0
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81	19.5	0
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81	18.5	0
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81	19.5	0
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81	18.5	0
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02	17.81		
10	256QAM	12	15	17.86	18.02</			



Band 12 Ant 0 DSI3 Simultaneous												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Time-up Int. (sec)	MFR (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.87	22.82	22.79	24	0				
10	QPSK	1	25	22.79	22.89	22.82						
10	QPSK	1	49	22.73	22.62	22.76						
10	QPSK	25	0	22.84	22.80	22.73	24	0				
10	QPSK	25	12	22.68	22.79	22.74						
10	QPSK	25	25	22.69	22.73	22.68						
10	QPSK	50	0	22.86	22.86	22.82	24	0				
10	16QAM	1	0	22.75	22.69	22.81						
10	16QAM	1	25	22.68	22.68	22.69						
10	16QAM	1	49	22.59	22.60	22.58	24	0				
10	16QAM	25	0	22.35	22.68	22.40						
10	16QAM	25	12	22.29	22.34	22.32						
10	16QAM	25	25	22.10	22.62	22.10	22.5	0.5				
10	16QAM	50	0	22.38	22.64	22.30						
10	64QAM	1	0	22.40	22.59	22.43						
10	64QAM	1	25	22.36	22.25	22.30	23.5	0.5				
10	64QAM	1	49	22.33	22.39	22.30						
10	64QAM	25	0	21.35	21.46	21.38						
10	64QAM	25	12	21.23	21.26	21.24	22.5	1.5				
10	64QAM	25	25	21.28	21.21	21.22						
10	64QAM	50	0	21.36	21.41	21.38						
10	256QAM	1	0	19.53	19.41	19.52	20.5	3.5				
10	256QAM	1	25	19.46	19.48	19.46						
10	256QAM	1	49	19.41	19.45	19.35						
10	256QAM	25	12	19.31	19.34	19.27	20.5	3.5				
10	256QAM	25	25	19.19	19.25	19.24						
10	256QAM	50	0	19.27	19.30	19.27						
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.83	22.83	22.89	24	0				
5	QPSK	1	12	22.78	22.77	22.78						
5	QPSK	1	24	22.68	22.69	22.69						
5	QPSK	12	0	22.76	22.81	22.83	24	0				
5	QPSK	12	7	22.68	22.74	22.82						
5	QPSK	12	13	22.59	22.59	22.63						
5	QPSK	25	0	22.74	22.77	22.79	24	0				
5	16QAM	1	25	22.71	22.77	22.69						
5	16QAM	1	12	22.54	22.55	22.56						
5	16QAM	1	24	22.49	22.49	22.53	23.5	0.5				
5	16QAM	12	0	22.29	22.27	22.29						
5	16QAM	12	7	22.21	22.26	22.21						
5	16QAM	25	0	22.23	22.55	22.28	23.5	0.5				
5	64QAM	1	0	22.29	22.44	22.38						
5	64QAM	1	24	22.25	22.52	22.15						
5	64QAM	12	0	21.23	21.59	21.30	22.5	1.5				
5	64QAM	12	7	21.23	21.52	21.06						
5	64QAM	12	13	21.14	21.12	21.06						
5	64QAM	25	0	21.23	21.53	21.35	20.5	3.5				
5	256QAM	1	0	19.37	19.45	19.36						
5	256QAM	1	24	19.27	19.31	19.32						
5	256QAM	12	0	19.25	19.24	19.25	20.5	3.5				
5	256QAM	12	7	19.25	19.24	19.14						
5	256QAM	12	13	19.08	19.11	19.16						
5	256QAM	25	0	19.02	19.05	19.07	20.5	3.5				
Channel												
Frequency (MHz)												
3	QPSK	1	0	22.83	22.83	22.89	24	0				
3	QPSK	1	14	22.62	22.67	22.70						
3	QPSK	1	8	22.75	22.82	22.78						
3	QPSK	8	4	22.55	22.74	22.64	24	0				
3	QPSK	8	7	22.54	22.61	22.64						
3	QPSK	8	1	22.63	22.77	22.76						
3	16QAM	1	8	22.65	22.61	22.59	24	0				
3	16QAM	1	0	22.49	22.48	22.54						
3	16QAM	8	0	22.30	22.37	22.36						
3	16QAM	8	4	22.24	22.27	22.27	23.5	0.5				
3	16QAM	15	0	22.33	22.30	22.30						
3	64QAM	1	0	22.32	22.45	22.39	23.5	0.5				
3	64QAM	1	8	22.28	22.25	22.34						
3	64QAM	1	14	22.28	22.29	22.18						
3	64QAM	8	0	21.25	21.41	21.30	22.5	1.5				
3	64QAM	8	4	21.16	21.14	21.08						
3	64QAM	8	7	21.18	21.15	21.15						
3	64QAM	15	0	21.27	21.35	21.33	20.5	3.5				
3	256QAM	1	0	19.48	19.55	19.42						
3	256QAM	1	8	19.31	19.26	19.38						
3	256QAM	1	14	19.28	19.40	19.25	20.5	3.5				
3	256QAM	8	4	19.22	19.24	19.14						
3	256QAM	8	7	19.10	19.16	19.14						
3	256QAM	15	0	19.24	19.25	19.34	20.5	3.5				
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	22.81	22.83	22.87	24	0				
1.4	QPSK	1	5	22.86	22.84	22.73						
1.4	QPSK	1	5	22.59	22.75	22.69						
1.4	QPSK	3	0	22.77	22.80	22.80	24	0				
1.4	QPSK	3	1	22.60	22.70	22.67						
1.4	QPSK	3	3	22.51	22.65	22.54						
1.4	16QAM	1	0	22.78	22.75	22.77	24	0				
1.4	16QAM	1	0	22.63	22.78	22.71						
1.4	16QAM	1	5	22.59	22.52	22.66						
1.4	16QAM	1	5	22.53	22.58	22.63	24	0				
1.4	16QAM	3	1	22.21	22.43	22.28						
1.4	16QAM	3	1	22.20	22.28	22.21						
1.4	16QAM	6	0	22.32	22.41	22.31	23.5	0.5				
1.4	64QAM	1	0	22.35	22.51	22.37						
1.4	64QAM	1	5	22.29	22.27	22.30						
1.4	64QAM	1	5	22.23	22.34	22.18	23.5	0.5				
1.4	64QAM	3	0	22.27	22.34	22.31						
1.4	64QAM	3	3	22.14	22.08	22.13						
1.4	64QAM	6	0	21.23	21.30	21.26	22.5	1.5				
1.4	256QAM	1	0	19.40	19.50	19.40						
1.4	256QAM	1	3	19.41	19.37	19.39						
1.4	256QAM	1	5	19.35	19.41	19.24	20.5	3.5				
1.4	256QAM	3	0	19.22	19.39	19.21						
1.4	256QAM	3	1	19.21	19.24	19.20						
1.4	256QAM	3	0	19.06	19.11	19.20	20.5	3.5				
1.4	256QAM	6	0	19.25	19.26	19.37						

Band 13 Ant 0 DSI3 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Time-up Int. (sec)	MFR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.82	22.82	22.82	24	0	
10	QPSK	1	25	22.38	22.38	22.38			
10	QPSK	1	49	22.38	22.66	22.61			
10	QPSK	25	0	22.45	22.45	22.37	24	0	
10	QPSK	25	12	22.44	22.73	22.66			
10	QPSK	25	25	22.31	22.76	22.74			
10	QPSK	50	0	22.38	22.38	22.38	24	0	
10	16QAM	1	0	22.48	22.48	22.48			
10	16QAM	1	25	22.37	22.64	22.76			
10	16QAM	1	49	22.30	22.60	22.57	23.5	0.5	
10	16QAM	25	0	22.37	22.37	22.37			
10	16QAM	25	12	21.98	22.34	22.32			
10	16QAM	25	25	21.80	22.29	22.01	23.5	0.5	
10	16QAM	50	0	22.01	22.01	22.01			
10	16QAM	50	12	21.82	22.18	22.16			
10	16QAM	1	26	21.97	21.97	21.97	23.5	0.5	
10	16QAM	1	49	22.01	22.01	22.01			
10	16QAM	25	12	20.96	22.32	22.30			
10	16QAM	25	25	20.89	22.27	22.00	22.5	1.5	
10	16QAM	50	0	21.03	21.03	21.03			
10	256QAM	1	0	19.12	19.12	19.12			
10	256QAM	1	25	18.99	18.99	18.99	20.5	3.5	
10	256QAM	1	49	18.86	18.86	18.86			
10	256QAM	25	0	19.01	19.01	19.01			
10	256QAM	25	12	18.84	18.84	18.84	20.5	3.5	
10	256QAM	25	25	18.79	18.79	18.79			
10	256QAM	50	0	19.01	19.01	19.01			
				Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Time-up Int. (sec)	MFR (dB)	
5	QPSK	1	0	776.9	776.9	776.5	24	0	
5	QPSK	1	12	772.9	772.9	772.4			
5	QPSK	1	24	772.1	772.1	771.6			
5	QPSK	12	0	772.1	772.1	771.6	24	0	
5	QPSK	12	7	772.1	772.6	772.4			
5	QPSK	12	14	771.1	771.4	771.4			
5	QPSK	25	0	772.0	772.0	772.0	24	0	
5	16QAM	1	0	772.6	772.6	772.6			
5	16QAM	1	24	772.0	772.4	772.4			
5	16QAM	12	0	771.9	771.4	771.9	23.5	0.5	
5	16QAM	12	7	771.9	771.9	771.9			
5	16QAM	12	13	771.8	771.8	771.8			
5	16QAM	25	0	771.9	771.9	771.8	23.5	0.5	
5	16QAM	25	12	771.7	771.7	771.6			
5	16QAM	1	12	771.8	771.9	771.8			
5	16QAM	1	24	771.2	771.7	771.8	23.5	0.5	
5	16QAM	12	7	771.6	771.6	771.6			
5	16QAM	12	7	770.8	770.9	770.7			
5	16QAM	12	13	770.4	770.8	770.7	22	1.5	
5	16QAM	25	0	770.6	770.6	770.4			
5	256QAM	1	0	18.91	19.01	18.90			
5	256QAM	1	12	18.74	18.91	18.89	20.5	3.5	
5	256QAM	1	24	18.62	18.76	18.67			
5	256QAM	12	0	18.84	18.88	18.88			
5	256QAM	12	7	18.62	18.75	18.68	20.5	3.5	
5	256QAM	12	13	18.72	18.73	18.73			
5	256QAM	25	0	18.85	18.94	18.90			



Band 26 Ant 0 DS13 Simultaneous																		
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Turn-up time (sec)	MPR (dB)										
Channel																		
Frequency (MHz)																		
15	QPSK	1	0	22.59	22.64	22.48	23.5	0										
15	QPSK	1	37	22.42	22.52	22.43												
15	QPSK	1	74	22.38	22.50	22.38												
15	QPSK	36	0	22.49	22.54	22.50	23.5	0										
15	QPSK	36	20	22.35	22.43	22.34												
15	QPSK	36	36	22.41	22.47	22.39												
15	QPSK	75	0	22.26	22.40	22.32	23.5	0										
15	16QAM	1	0	22.41	22.55	22.43												
15	16QAM	1	37	22.42	22.45	22.41												
15	16QAM	1	74	22.37	22.39	22.28	23	0.5										
15	16QAM	36	0	21.94	22.03	21.90												
15	16QAM	36	20	21.87	21.87	21.87												
15	16QAM	36	36	21.79	21.86	21.81	22	1.5										
15	16QAM	75	0	21.84	21.94	21.88												
15	16QAM	1	0	21.95	22.04	21.95												
15	16QAM	1	37	21.93	21.98	21.93	20	3.5										
15	16QAM	1	74	21.79	21.85	21.79												
15	16QAM	36	0	20.89	20.97	20.85												
15	16QAM	36	20	20.86	20.90	20.91	20	3.5										
15	16QAM	36	36	20.75	20.81	20.78												
15	16QAM	75	0	20.93	20.99	20.90												
15	256QAM	1	0	18.60	18.67	18.60	20	3.5										
15	256QAM	1	37	18.94	18.90	18.93												
15	256QAM	1	74	18.82	18.82	18.78												
15	256QAM	36	0	18.83	18.84	18.85	20	3.5										
15	256QAM	36	20	18.82	18.82	18.78												
15	256QAM	36	36	18.83	18.74	18.68												
15	256QAM	75	0	18.80	18.87	18.79	23.5	0										
Channel																		
Frequency (MHz)																		
10	QPSK	1	0	22.63	22.57	22.39	23.5	0										
10	QPSK	1	26	22.36	22.39	22.31												
10	QPSK	1	49	22.24	22.38	22.32												
10	QPSK	25	0	22.26	22.43	22.39	23.5	0										
10	QPSK	25	12	22.23	22.31	22.22												
10	QPSK	25	25	22.34	22.40	22.36												
10	QPSK	50	0	22.13	22.26	22.23	23.5	0										
10	16QAM	1	0	22.37	22.44	22.32												
10	16QAM	1	25	22.31	22.33	22.27												
10	16QAM	1	49	22.27	22.27	22.27	23	0.5										
10	16QAM	25	0	21.84	21.99	21.84												
10	16QAM	25	12	21.75	21.77	21.82												
10	16QAM	25	25	21.82	21.77	21.68	22	0.5										
10	16QAM	50	0	21.79	21.88	21.77												
10	16QAM	1	0	21.88	21.94	21.84												
10	16QAM	1	25	21.82	21.82	21.82	22	1.5										
10	16QAM	1	49	21.75	21.74	21.65												
10	16QAM	25	0	20.82	20.90	20.80												
10	16QAM	25	12	20.75	20.77	20.66	20	3.5										
10	16QAM	25	25	20.82	20.75	20.72												
10	16QAM	50	0	20.89	20.94	20.83												
10	256QAM	1	0	18.65	18.65	18.65	20	3.5										
10	256QAM	1	25	18.89	18.76	18.78												
10	256QAM	1	49	18.74	18.77	18.76												
10	256QAM	25	0	18.74	18.84	18.78	20	3.5										
10	256QAM	25	12	18.75	18.75	18.81												
10	256QAM	25	25	18.74	18.65	18.64												
10	256QAM	50	0	18.65	18.78	18.68	23.5	0										
Channel																		
Frequency (MHz)																		
5	QPSK	1	0	22.48	22.48	22.32	23.5	0										
5	QPSK	1	12	22.38	22.45	22.37												
5	QPSK	1	24	22.25	22.39	22.30												
5	QPSK	12	0	22.43	22.46	22.46	23.5	0										
5	QPSK	12	7	22.24	22.38	22.27												
5	QPSK	12	13	22.31	22.41	22.25												
5	QPSK	25	0	22.20	22.34	22.20	23.5	0										
5	16QAM	1	0	22.29	22.52	22.30												
5	16QAM	1	12	22.38	22.35	22.32												
5	16QAM	1	24	22.28	22.35	22.35	23	0.5										
5	16QAM	12	0	21.88	21.95	21.79												
5	16QAM	12	13	21.66	21.77	21.68												
5	16QAM	25	0	21.71	21.89	21.78	23	0.5										
5	16QAM	1	0	21.81	21.96	21.86												
5	16QAM	1	12	21.84	21.77	21.71												
5	16QAM	1	24	21.65	21.72	21.75	22	1.5										
5	16QAM	12	0	20.83	20.86	20.71												
5	16QAM	12	5	20.70	20.68	20.70												
5	16QAM	12	13	20.83	20.68	20.67	20	3.5										
5	16QAM	25	0	20.84	20.86	20.78												
5	256QAM	1	0	18.88	18.98	18.87												
5	256QAM	1	12	18.89	18.80	18.81	20	3.5										
5	256QAM	1	24	18.73	18.82	18.71												
5	256QAM	12	0	18.83	18.85	18.78												
5	256QAM	12	7	18.74	18.73	18.79	20	3.5										
5	256QAM	12	13	18.74	18.66	18.64												
5	256QAM	25	0	18.66	18.78	18.78												
Channel																		
Frequency (MHz)																		
3	QPSK	1	0	22.63	22.63	22.31	23.5	0										
3	QPSK	1	8	22.59	22.57	22.31												
3	QPSK	1	14	22.29	22.42	22.25												
3	QPSK	3	0	22.42	22.48	22.46	23.5	0										
3	QPSK	3	4	22.50	22.31	22.20												
3	QPSK	3	7	22.52	22.34	22.28												
3	QPSK	15	0	22.12	22.37	22.23	23.5	0										
3	16QAM	1	0	22.36	22.44	22.34												
3	16QAM	1	8	22.30	22.40	22.27												
3	16QAM	1	14	22.25	22.40	22.27	23	0.5										
3	16QAM	3	0	21.82	21.96	21.79												
3	16QAM	3	4	21.76	21.78	21.78												
3	16QAM	3	7	21.71	21.76	21.76	22	1.5										
3	16QAM	15	0	21.74	21.82	21.81												
3	16QAM	1	0	21.85	21.90	21.87												
3	16QAM	1	8	21.78	21.81	21.79	20	3.5										
3	16QAM	1	14	21.65	21.70	21.68												
3	16QAM	3	0	20.83	20.86	20.71												
3	16QAM	3	4	20.69	20.68	20.70	20	1.5										
3	16QAM	3	7	20.84	20.68	20.65												
3	16QAM	15	0	20.94	20.96	20.91												
3	256QAM	1	0	18.94	19.02	18.94	20	3.5										
3	256QAM	1	8	18.83	18.85	18.80												
3	256QAM	1	14	18.72	18.82	18.71												
3	256QAM	3	0	18.82	18.92	18.81	20	3.5										
3	256QAM	3	4	18.84	18.80	18.81												
3	256QAM	3	7	18.77	18.68	18.68												
3	256QAM	15	0	18.66	18.78	18.68	23.5	0										
3	256QAM	1	0	18.78	18.87	18.79												
3	256QAM	1	8	18.70	18.73	18.74												
Channel																		
Frequency (MHz)																		
1.4	QPSK	1	0	22.48	22.52	22.36	23.5	0										
1.4	QPSK	1	8	22.33	22.47	22.29												
1.4	QPSK	1	15	22.24	22.46	22.23												
1.4	QPSK	3	0	22.47	22.49	22.42	23.5	0										
1.4	QPSK	3	8	22.38	22.31	22.28												
1.4	QPSK	3	15	22.28	22.39	22.28												
1.4	QPSK	15	0	22.12	22.32	22.26	23.5	0										
1.4	16QAM	1	0	22.29	22.43	22.29												
1.4	16QAM	1	8	22.27	22.38	22.29												
1.4	16QAM	1	15	22.23	22.35	22.28	23	0.5										
1.4	16QAM	3	0	21.81	21.98	21.81												
1.4	16QAM	3	8	21.74	21.85	21.84												
1.4	16QAM	1	0	21.90	22.00	21.88	22	1.5										
1.4	16QAM	1	8	21.82	21.87	21.86												
1.4	16QAM	1	15	21.70	21.78	21.78												
1.4	16QAM	3	0	21.71	21.69	21.75	22	1.5										
1.4	16QAM	3	8	21.61	21.70	21.70												
1.4	16QAM	3	15	21.50	21.74	21.68												
1.4	16QAM	15	0	21.50	21.74	21.74	23.5	0										
1.4	16QAM	1	0	21.61	21.70	21.70												
1.4	16QAM	1	8	21.51	21.71	21.71												
1.4	16QAM	1	15	21.45	21.68	21.68	20	3.5										
1.4	16QAM	3	0	21.50	21.70	21.68												
1.4	16QAM	3	8	21.40	21.65	21.65												
1.4	16QAM	3	15	21.30	21.52	21.52	20	3.5										
1.4	16QAM	15	0	21.36	21.57	21.57												
1.4	16QAM	1	0	21.46	21.62	21.62												
1.4	256QAM	1	0	18.76	18.72	18.69	20	3.5										
1.4	256QAM	1	8	18.68	18.70	18.68												
1.4	256QAM	1	15	18.54	18.61	18.61												
1.4	256QAM	3	0	18.70	18.78	18.78	20	3.5										
1.4	256QAM	3	8	18.60	18.92	18.92												
1.4	256QAM	3	15	18.76	18.72	18.69												
1.4	256QAM	15	0	18.82	18.94	18.94	23.5	0										
1.4	256QAM	1	0	18.71	18.76	18.76												
1.4	256QAM	1	8	18.62	18.78	18.78												

Band 38 PC3 Ant 0 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			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	22.47	22.61	22.53	24	0	
20	QPSK	1	49	22.43	22.57	22.50			
20	QPSK	1	99	22.40	22.54	22.47			
20	QPSK	50	0	22.45	22.59	22.54			
20	QPSK	50	24	22.36	22.49	22.41	24	0	
20	QPSK	50	50	22.41	22.52	22.42			
20	QPSK	100	0	22.42	22.50	22.42			
20	16QAM	1	0	22.54	22.59	22.45			
20	16QAM	1	49	22.45	22.58	22.44	24	0	
20	16QAM	1	99	22.52	22.56	22.47			
20	16QAM	50	0	22.47	22.57	22.53			
20	16QAM	50	24	22.40	22.49	22.42			
20	16QAM	50	50	22.51	22.56	22.43	24	0	
20	16QAM	100	0	22.36	22.50	22.47			
20	64QAM	1	0	22.42	22.50	22.46			
20	64QAM	1	49	22.39	22.50	22.38			
20	64QAM	1	99	22.37	22.50	22.35	24	0	
20	64QAM	50	0	22.50	22.59	22.45			
20	64QAM	50	24	22.52	22.58	22.49			
20	64QAM	50	50	22.34	22.48	22.39			
20	64QAM	100	0	22.40	22.50	22.42	22	2	
20	256QAM	1	0	20.97	21.01	20.94			
20	256QAM	1	49	20.99	21.04	20.93			
20	256QAM	1	99	20.85	20.95	20.90			
20	256QAM	50	0	20.87	20.97	20.86	22	2	
20	256QAM	50	24	20.91	21.01	20.86			
20	256QAM	50	50	20.99	21.03	20.99			
20	256QAM	100	0	20.87	20.94	20.85			
Channel				37825	38000	38175	Tune-up limit	MPR	
Frequency (MHz)				2577.5	2595	2612.5	(dBm)	(dB)	
15	QPSK	1	0	22.41	22.49	22.39	24	0	
15	QPSK	1	37	22.29	22.51	22.47			
15	QPSK	1	74	22.29	22.44	22.43			
15	QPSK	36	0	22.33	22.48	22.40			
15	QPSK	36	20	22.24	22.46	22.30	24	0	
15	QPSK	36	39	22.34	22.42	22.28			
15	QPSK	75	0	22.33	22.43	22.39			
15	16QAM	1	0	22.49	22.55	22.36			
15	16QAM	1	37	22.40	22.50	22.40	24	0	
15	16QAM	1	74	22.39	22.47	22.32			
15	16QAM	36	0	22.41	22.51	22.40			
15	16QAM	36	20	22.33	22.41	22.29			
15	16QAM	36	39	22.43	22.44	22.45	24	0	
15	16QAM	75	0	22.29	22.45	22.33			
15	64QAM	1	0	22.32	22.36	22.38			
15	64QAM	1	37	22.33	22.37	22.26			
15	64QAM	1	74	22.23	22.44	22.24	24	0	
15	64QAM	36	0	22.37	22.47	22.30			
15	64QAM	36	20	22.46	22.49	22.38			
15	64QAM	36	39	22.30	22.33	22.27			
15	64QAM	75	0	22.31	22.45	22.36	22	2	
15	256QAM	1	0	20.89	20.92	20.90			
15	256QAM	1	37	20.91	21.00	20.83			
15	256QAM	1	74	20.77	20.87	20.76			
15	256QAM	36	0	20.74	20.80	20.76	22	2	
15	256QAM	36	20	20.81	20.91	20.82			
15	256QAM	36	39	20.93	20.98	20.93			
15	256QAM	75	0	20.77	20.90	20.75			
Channel				37800	38000	38200	Tune-up limit	MPR	
Frequency (MHz)				2575	2595	2615	(dBm)	(dB)	
10	QPSK	1	0	22.38	22.59	22.42	24	0	
10	QPSK	1	25	22.28	22.47	22.36			
10	QPSK	1	49	22.36	22.42	22.42			
10	QPSK	25	0	22.41	22.50	22.49			
10	QPSK	25	12	22.32	22.41	22.30	24	0	
10	QPSK	25	25	22.31	22.42	22.34			
10	QPSK	50	0	22.35	22.43	22.34			
10	16QAM	1	0	22.40	22.49	22.30			
10	16QAM	1	25	22.31	22.45	22.41	24	0	
10	16QAM	1	49	22.48	22.43	22.34			
10	16QAM	25	0	22.34	22.50	22.50			
10	16QAM	25	12	22.34	22.44	22.38			
10	16QAM	25	25	22.48	22.44	22.40	24	0	
10	16QAM	50	0	22.30	22.41	22.33			
10	64QAM	1	0	22.31	22.39	22.38			
10	64QAM	1	25	22.26	22.38	22.25			
10	64QAM	1	49	22.24	22.45	22.26	24	0	
10	64QAM	25	0	22.42	22.54	22.31			
10	64QAM	25	12	22.40	22.43	22.36			
10	64QAM	25	25	22.25	22.41	22.25			
10	64QAM	50	0	22.35	22.39	22.38	22	2	
10	256QAM	1	0	20.91	20.94	20.90			
10	256QAM	1	25	20.96	20.98	20.82			
10	256QAM	1	49	20.82	20.82	20.80			
10	256QAM	25	0	20.79	20.86	20.75	22	2	
10	256QAM	25	12	20.83	20.95	20.76			
10	256QAM	25	25	20.89	20.95	20.92			
10	256QAM	50	0	20.73	20.88	20.71			
Channel				37775	38000	38225	Tune-up limit	MPR	
Frequency (MHz)				2572.5	2595	2617.5	(dBm)	(dB)	
5	QPSK	1	0	22.36	22.58	22.43	24	0	
5	QPSK	1	12	22.32	22.43	22.41			
5	QPSK	1	24	22.31	22.46	22.40			
5	QPSK	12	0	22.36	22.46	22.43			
5	QPSK	12	7	22.28	22.39	22.30	24	0	
5	QPSK	12	13	22.37	22.45	22.33			
5	QPSK	25	0	22.31	22.39	22.39			
5	16QAM	1	0	22.50	22.48	22.32			
5	16QAM	1	12	22.34	22.45	22.35	24	0	
5	16QAM	1	24	22.46	22.46	22.35			
5	16QAM	12	0	22.40	22.54	22.47			
5	16QAM	12	7	22.36	22.41	22.29			
5	16QAM	12	13	22.41	22.46	22.49	24	0	
5	16QAM	25	0	22.33	22.36	22.39			
5	64QAM	1	0	22.30	22.37	22.40			
5	64QAM	1	12	22.34	22.35	22.32			
5	64QAM	1	24	22.33	22.44	22.24	24	0	
5	64QAM	12	0	22.38	22.53	22.40			
5	64QAM	12	7	22.37	22.54	22.36			
5	64QAM	12	13	22.29	22.39	22.32			
5	64QAM	25	0	22.31	22.46	22.28	22	2	
5	256QAM	1	0	20.90	20.92	20.82			
5	256QAM	1	12	20.96	20.91	20.84	22	2	
5	256QAM	1	24	20.78	20.91	20.78			
5	256QAM	12	0	20.79	20.91	20.79			
5	256QAM	12	7	20.83	20.93	20.72			
5	256QAM	12	13	20.95	20.98	20.84	22	2	
5	256QAM	25	0	20.77	20.81	20.75			

Band 41 PC3 Ant 0 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	24	0	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	22.56	22.52	22.64	22.48	22.32	24	0	
20	QPSK	1	49	22.37	22.37	22.51	22.32	22.24			
20	QPSK	1	99	22.46	22.56	22.59	22.40	22.30			
20	QPSK	50	0	22.49	22.52	22.57	22.39	22.30			
20	QPSK	50	24	22.49	22.45	22.53	22.31	22.20			
20	QPSK	50	50	22.43	22.42	22.56	22.42	22.26	24	0	
20	QPSK	100	0	22.40	22.38	22.53	22.39	22.19			
20	16QAM	1	0	22.52	22.49	22.60	22.38	22.31			
20	16QAM	1	49	22.40	22.49	22.54	22.38	22.29			
20	16QAM	1	99	22.46	22.45	22.56	22.40	22.28			
20	16QAM	50	0	22.43	22.46	22.57	22.44	22.30	24	0	
20	16QAM	50	24	22.50	22.55	22.58	22.44	22.28			
20	16QAM	50	50	22.45	22.46	22.59	22.39	22.32			
20	16QAM	100	0	22.51	22.56	22.60	22.46	22.29			
20	64QAM	1	0	22.55	22.43	22.58	22.44	22.28	24	0	
20	64QAM	1	49	22.51	22.48	22.58	22.35	22.28			
20	64QAM	1	99	22.48	22.41	22.52	22.27	22.21			
20	64QAM	50	0	22.45	22.41	22.54	22.37	22.29			
20	64QAM	50	24	22.43	22.51	22.58	22.33	22.32			
20	64QAM	50	50	22.51	22.39	22.54	22.29	22.24	24	0	
20	64QAM	100	0	22.46	22.44	22.54	22.40	22.27			
20	256QAM	1	0	20.92	20.85	20.95	20.73	20.68			
20	256QAM	1	49	20.93	20.86	21.00	20.81	20.72			
20	256QAM	1	99	20.99	20.88	21.02	20.80	20.77			
20	256QAM	50	0	20.85	20.90	20.99	20.83	20.74	22	2	
20	256QAM	50	24	20.82	20.81	20.94	20.74	20.60			
20	256QAM	50	50	20.97	20.94	21.04	20.84	20.69			
20	256QAM	100	0	20.95	20.93	21.05	20.84	20.79			
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	24.00	0	
15	QPSK	1	0	22.48	22.45	22.56	22.35	22.22			
15	QPSK	1	37	22.33	22.25	22.43	22.28	22.14	24	0	
15	QPSK	1	74	22.36	22.50	22.52	22.31	22.22			
15	QPSK	36	0	22.42	22.43	22.49	22.34	22.26			
15	QPSK	36	20	22.44	22.38	22.48	22.22	22.12			
15	QPSK	36	39	22.38	22.32	22.48	22.31	22.18			
15	QPSK	75	0	22.35	22.30	22.45	22.28	22.20	24	0	
15	16QAM	1	0	22.47	22.36	22.49	22.25	22.33			
15	16QAM	1	37	22.32	22.35	22.41	22.32	22.22			
15	16QAM	1	74	22.33	22.37	22.42	22.27	22.20			
15	16QAM	36	0	22.36	22.37	22.50	22.40	22.26			
15	16QAM	36	20	22.39	22.46	22.45	22.35	22.18	24	0	
15	16QAM	36	39	22.35	22.32	22.55	22.24	22.23			
15	16QAM	75	0	22.47	22.49	22.53	22.34	22.25			
15	64QAM	1	0	22.42	22.36	22.45	22.39	22.21			
15	64QAM	1	37	22.37	22.41	22.44	22.22	22.24			
15	64QAM	1	74	22.44	22.38	22.38	22.23	22.11	24	0	
15	64QAM	36	0	22.39	22.34	22.42	22.34	22.30			
15	64QAM	36	20	22.33	22.43	22.54	22.19	22.30			
15	64QAM	36	39	22.40	22.35	22.48	22.18	22.21			
15	64QAM	75	0	22.33	22.29	22.45	22.31	22.26			
15	256QAM	1	0	20.80	20.76	20.84	20.64	20.64	22	2	
15	256QAM	1	37	20.82	20.80	20.91	20.73	20.64			
15	256QAM	1	74	20.89	20.78	20.88	20.65	20.69			
15	256QAM	36	20	20.77	20.78	20.85	20.71	20.76			
15	256QAM	36	39	20.79	20.66	20.89	20.69	20.58			
15	256QAM	36	75	20.86	20.87	20.98	20.72	20.65	22	2	
15	256QAM	75	0	20.91	20.84	20.96	20.76	20.76			
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501	2547	2593	2639	2685	24.00	0	
10	QPSK	1	0	22.50	22.45	22.59	22.31	22.25			
10	QPSK	1	25	22.26	22.26	22.44	22.26	22.16	24	0	
10	QPSK	1	49	22.37	22.45	22.48	22.36	22.25			
10	QPSK	25	0	22.44	22.38	22.54	22.30	22.24			
10	QPSK	25	12	22.42	22.31	22.46	22.18	22.17			
10	QPSK	25	25	22.30	22.38	22.50	22.33	22.20	24	0	
10	QPSK	50	0	22.26	22.26	22.46	22.29	22.21			
10	16QAM	1	0	22.41	22.40	22.45	22.29	22.21			
10	16QAM	1	25	22.35	22.40	22.51	22.26	22.22			
10	16QAM	1	49	22.39	22.34	22.47	22.36	22.22			
10	16QAM	25	0	22.31	22.34	22.52	22.34	22.22	24	0	
10	16QAM	25	12	22.40	22.49	22.54	22.35	22.21			
10	16QAM	25	25	22.36	22.33	22.54	22.29	22.32			
10	16QAM	50	0	22.38	22.43	22.48	22.40	22.28			
10	64QAM	1	0	22.49	22.34	22.55	22.37	22.21	24	0	
10	64QAM	1	25	22.47	22.33	22.54	22.30	22.24			
10	64QAM	1	49	22.35	22.30	22.49	22.24	22.21			
10	64QAM	25	0	22.31	22.27	22.39	22.25	22.26			
10	64QAM	25	12	22.40	22.37	22.51	22.26	22.23			
10	64QAM	25	25	22.39	22.34	22.48	22.19	22.16	22	2	
10	64QAM	50	0	22.40	22.35	22.49	22.27	22.26			
10	256QAM	1	0	20.79	20.82	20.86	20.68	20.67			
10	256QAM	1	25	20.84	20.74	20.94	20.74	20.66			
10	256QAM	1	49	20.94	20.78	20.99	20.68	20.79			
10	256QAM	25	0	20.75	20.80	20.92	20.72	20.74	22	2	
10	256QAM	25	12	20.75	20.74	20.89	20.70	20.54			
10	256QAM	25	25	20.90	20.86	20.90	20.77	20.61			
10	256QAM	50	0	20.88	20.82	20.91	20.78	20.78			
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2498.5	2545.3	2593	2640.0	2687.5	24.00	0	
5	QPSK	1	0	22.48	22.44	22.58	22.35	22.29			
5	QPSK	1	12	22.29	22.33	22.42	22.18	22.17	24	0	
5	QPSK	1	24	22.41	22.43	22.48	22.28	22.27			
5	QPSK	12	0	22.44	22.48	22.49	22.29	22.30			
5	QPSK	12	7	22.36	22.32	22.42	22.23	22.16			
5	QPSK	12	13	22.33	22.29	22.42	22.28	22.28	24	0	
5	QPSK	25	0	22.30	22.34	22.43	22.25	22.17			
5	16QAM	1	0	22.39	22.40	22.54	22.30	22.22			
5	16QAM	1	12	22.32	22.40	22.42	22.33	22.30			
5	16QAM	1	24	22.40	22.42	22.44	22.30	22.19	24	0	
5	16QAM	12	0	22.39	22.43	22.48	22.37	22.31			
5	16QAM	12	7	22.40	22.48	22.55	22.34	22.29			
5	16QAM	12	13	22.35	22.43	22.47	22.33	22.27			
5	16QAM	25	0	22.39	22.45	22.55	22.32	22.27			
5	64QAM	1	0	22.43	22.37	22.45	22.37	22.30	24	0	
5	64QAM	1	12	22.46	22.43	22.50	22.31	22.18			
5	64QAM	1	24	22.44	22.29	22.43	22.12	22.17			
5	64QAM	12	0	22.31	22.30	22.41	22.26	22.24			
5	64QAM	12	7	22.30	22.37	22.45	22.21	22.25			
5	64QAM	12	13	22.47	22.30	22.48	22.15	22.20	24	0	
5	64QAM	25	0	22.39	22.33	22.43	22.32	22.19			
5	256QAM	1	0	20.77	20.74	20.84	20.63	20.68			
5	256QAM	1	12	20.78	20.77	20.93	20.73	20.73			
5	256QAM	1	24	20.91	20.77	20.99	20.72	20.74	22	2	
5	256QAM	12	0	20.79	20.79	20.85	20.76	20.74			
5	256QAM	12	7	20.77	20.68	20.91	20.67	20.55			
5	256QAM	12	13	20.94	20.81	20.98	20.74	20.75			
5	256QAM	25	0	20.85	20.80	20.91	20.79	20.75	22	2	

GSM850 Ant 1 DSS Simultaneous

TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.6		824.2	836.4	848.6	
GSM 1 Tx slot	32.35	32.42	32.18	33.50	23.35	23.42	23.18	24.50
GPRS 1 Tx slot	32.29	32.31	32.06	33.50	23.29	23.31	23.06	24.50
GPRS 2 Tx slots	29.91	29.93	29.69	31.00	23.91	23.93	23.69	25.00
GPRS 3 Tx slots	27.67	27.64	27.52	29.00	23.41	23.38	23.26	24.74
GPRS 4 Tx slots	26.29	26.21	26.01	27.00	23.29	23.21	23.01	24.00
EDGE 1 Tx slot	25.16	25.24	25.11	26.50	16.16	16.24	16.11	17.50
EDGE 2 Tx slots	23.48	23.63	23.42	25.00	17.48	17.63	17.42	19.00
EDGE 3 Tx slots	22.28	22.42	22.25	23.50	16.00	16.16	17.99	19.24
EDGE 4 Tx slots	20.22	20.35	20.28	22.00	17.22	17.35	17.28	19.00

GSM1900 Ant 1 DSS Simultaneous

TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1860	1909.8		1850.2	1860	1909.8	
GSM 1 Tx slot	24.05	24.35	24.13	25.30	15.05	15.35	15.13	16.30
GPRS 1 Tx slot	23.98	24.28	24.07	25.30	14.98	15.28	15.07	16.30
GPRS 2 Tx slots	20.81	21.05	20.89	22.30	14.81	15.05	14.89	16.30
GPRS 3 Tx slots	19.11	19.31	19.09	20.50	14.85	15.05	14.83	16.24
GPRS 4 Tx slots	18.22	18.48	18.33	19.30	15.22	15.48	15.33	16.30
EDGE 1 Tx slot	24.16	24.40	24.15	25.00	15.16	15.40	15.15	16.00
EDGE 2 Tx slots	21.03	21.25	21.03	22.30	15.03	15.25	15.03	16.30
EDGE 3 Tx slots	19.94	19.22	19.02	20.50	14.68	14.96	14.76	16.24
EDGE 4 Tx slots	17.97	18.16	17.91	19.30	14.97	15.16	14.91	16.30

WCDMA II Ant 1 DSS Simultaneous

WCDMA IV Ant 1 DSS Simultaneous

WCDMA V Ant 1 DSS Simultaneous

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9490	9538		1312	1413	1513		4132	4162	4233	
Rx Channel		8692	8990	9008		1597	1638	1738		4567	4497	4468	
Frequency (MHz)		1852.4	1860	1907.8		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	15.49	15.59	15.27	16.70	15.57	15.62	15.39	16.90	22.23	22.30	22.03	23.30
3GPP Rel 99	RM-C 12.2Kbps	15.63	15.67	15.40	16.70	15.59	15.71	15.56	16.90	22.25	22.34	22.05	23.30
3GPP Rel 6	HSDPA Subtest-1	14.78	14.86	14.79	15.70	14.57	14.83	14.73	15.90	21.21	21.12	20.93	22.30
3GPP Rel 6	HSDPA Subtest-2	14.72	14.81	14.74	15.70	14.77	14.68	14.70	15.90	21.09	21.19	21.06	22.30
3GPP Rel 6	HSDPA Subtest-3	14.10	14.17	14.25	15.20	14.16	14.14	14.27	15.40	20.71	20.80	20.57	21.80
3GPP Rel 6	HSDPA Subtest-4	14.09	14.25	14.28	15.20	14.06	14.16	14.31	15.40	20.69	20.83	20.58	21.80
3GPP Rel 6	DC-HSDPA Subtest-1	14.71	14.61	14.83	15.70	14.53	14.64	14.89	15.90	21.13	21.18	21.20	22.30
3GPP Rel 6	DC-HSDPA Subtest-2	14.80	14.77	14.69	15.70	14.66	14.68	14.77	15.90	21.16	21.24	21.04	22.30
3GPP Rel 6	DC-HSDPA Subtest-3	14.26	14.15	14.26	15.20	14.27	14.05	14.25	15.40	20.64	20.78	20.68	21.80
3GPP Rel 6	DC-HSDPA Subtest-4	14.19	14.10	14.19	15.20	14.10	14.25	14.22	15.40	20.65	20.65	20.43	21.80
3GPP Rel 6	HSUPA Subtest-1	14.60	14.86	14.76	15.70	14.79	14.65	14.72	15.90	21.21	21.27	21.26	22.30
3GPP Rel 6	HSUPA Subtest-2	12.78	12.70	12.86	13.70	12.65	12.46	12.77	13.90	19.14	19.28	19.12	20.30
3GPP Rel 6	HSUPA Subtest-3	13.64	13.85	13.70	14.70	13.71	13.75	13.67	14.90	20.19	20.23	20.06	21.30
3GPP Rel 6	HSUPA Subtest-4	12.66	12.64	12.79	13.70	12.68	12.60	12.84	13.90	19.00	19.30	19.14	20.30
3GPP Rel 6	HSUPA Subtest-5	14.69	14.88	14.70	15.70	14.61	14.74	14.75	15.90	21.13	21.11	21.14	22.30



Band 2 Ant 1 DS13 Simultaneous

BW [MHz]	Modulation	RIS Size	RIS Offset	Power Low Ch./Fires	Power Hsp Ch./Fires	Power Hsp Ch./Fires	Turn-up Time (sec)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	15.84	15.86	15.87	17	0		
20	QPSK	1	49	15.78	15.84	15.81				
20	QPSK	1	99	15.82	15.87	15.79				
20	QPSK	50	0	15.76	15.80	15.83				
20	QPSK	50	24	15.73	15.80	15.74	17	0		
20	QPSK	50	49	15.82	15.86	15.76				
20	QPSK	100	0	15.71	15.82	15.78				
20	16QAM	1	0	15.78	15.80	15.82				
20	16QAM	1	49	15.81	15.86	15.75	17	0		
20	16QAM	1	99	15.80	15.82	15.80				
20	16QAM	50	0	15.71	15.80	15.79				
20	16QAM	50	24	15.82	15.80	15.86				
20	16QAM	50	49	15.77	15.82	15.79	17	0		
20	16QAM	100	0	15.87	15.80	15.84				
20	16QAM	1	0	15.80	15.80	15.81				
20	16QAM	1	49	15.88	15.80	15.86				
20	16QAM	1	99	15.77	15.84	15.81	17	0		
20	16QAM	50	0	15.86	15.80	15.85				
20	16QAM	50	24	15.75	15.82	15.75				
20	16QAM	50	49	15.87	15.80	15.80				
20	16QAM	100	0	15.80	15.80	15.84	17	0		
20	256QAM	1	49	15.71	15.83	15.72				
20	256QAM	1	99	15.72	15.86	15.78				
20	256QAM	50	0	15.74	15.80	15.74				
20	256QAM	50	24	15.84	15.81	15.80	17	0		
20	256QAM	50	49	15.87	15.80	15.80				
20	256QAM	100	0	15.78	15.81	15.77				
20	256QAM	100	0	15.80	15.80	15.80				
Channel										
Frequency (MHz)										
15	QPSK	1	0	15.87	15.86	15.79	17	0		
15	QPSK	1	49	15.88	15.80	15.79				
15	QPSK	1	74	15.74	15.77	15.84				
15	QPSK	36	0	15.80	15.77	15.80				
15	QPSK	36	39	15.80	15.80	15.80	17	0		
15	QPSK	36	39	15.79	15.81	15.80				
15	QPSK	75	0	15.79	15.80	15.80				
15	16QAM	1	0	15.70	15.81	15.80				
15	16QAM	1	37	15.85	15.70	15.59	17	0		
15	16QAM	1	74	15.77	15.80	15.75				
15	16QAM	36	39	15.81	15.84	15.71				
15	16QAM	36	39	15.73	15.78	15.78		17	0	
15	16QAM	75	0	15.82	15.80	15.80				
15	16QAM	75	0	15.84	15.79	15.80				
15	16QAM	75	0	15.74	15.70	15.66				
15	16QAM	1	0	15.82	15.70	15.65	17	0		
15	16QAM	1	37	15.73	15.77	15.68				
15	16QAM	1	74	15.69	15.70	15.74				
15	16QAM	36	39	15.80	15.80	15.81				
15	16QAM	36	39	15.80	15.77	15.69	17	0		
15	16QAM	75	0	15.80	15.77	15.69				
15	16QAM	75	0	15.80	15.77	15.69				
15	16QAM	75	0	15.80	15.77	15.69				
15	256QAM	1	37	15.85	15.70	15.80	17	0		
15	256QAM	1	74	15.82	15.81	15.68				
15	256QAM	36	39	15.73	15.84	15.66				
15	256QAM	36	39	15.73	15.84	15.66			17	0
15	256QAM	75	0	15.80	15.77	15.69				
15	256QAM	75	0	15.80	15.77	15.69				
15	256QAM	75	0	15.80	15.77	15.69				
15	256QAM	75	0	15.80	15.77	15.69				
Channel										
Frequency (MHz)										
15	QPSK	1	0	15.87	15.86	15.79	17	0		
15	QPSK	1	49	15.88	15.80	15.79				
15	QPSK	1	74	15.74	15.77	15.84				
15	QPSK	36	0	15.80	15.77	15.80				
15	QPSK	36	39	15.80	15.80	15.80	17	0		
15	QPSK	36	39	15.79	15.81	15.80				
15	QPSK	75	0	15.79	15.80	15.80				
15	16QAM	1	0	15.70	15.81	15.80				
15	16QAM	1	37	15.85	15.70	15.59	17	0		
15	16QAM	1	74	15.77	15.80	15.75				
15	16QAM	36	39	15.81	15.84	15.71				
15	16QAM	36	39	15.73	15.78	15.78		17	0	
15	16QAM	75	0	15.82	15.80	15.80				
15	16QAM	75	0	15.84	15.79	15.80				
15	16QAM	75	0	15.74	15.70	15.66				
15	16QAM	1	0	15.82	15.70	15.65	17	0		
15	16QAM	1	37	15.73	15.77	15.68				
15	16QAM	1	74	15.69	15.70	15.74				
15	16QAM	36	39	15.80	15.80	15.81				
15	16QAM	36	39	15.80	15.77	15.69	17	0		
15	16QAM	75	0	15.80	15.77	15.69				
15	16QAM	75	0	15.80	15.77	15.69				
15	16QAM	75	0	15.80	15.77	15.69				
15	256QAM	1	37	15.85	15.70	15.80	17	0		
15	256QAM	1	74	15.82	15.81	15.68				
15	256QAM	36	39	15.73	15.84	15.66				
15	256QAM	36	39	15.73	15.84	15.66			17	0
15	256QAM	75	0	15.80	15.77	15.69				
15	256QAM	75	0	15.80	15.77	15.69				
15	256QAM	75	0	15.80	15.77	15.69				
15	256QAM	75	0	15.80	15.77	15.69				
Channel										
Frequency (MHz)										
15	QPSK	1	0	15.87	15.86	15.79	17	0		
15	QPSK	1	49	15.88	15.80	15.79				
15	QPSK	1	74	15.74	15.77	15.84				
15	QPSK	36	0	15.80	15.77	15.80				
15	QPSK	36	39	15.80	15.80	15.80	17	0		
15	QPSK	36	39	15.79	15.81	15.80				
15	QPSK	75	0	15.79	15.80	15.80				
15	16QAM	1	0	15.70	15.81	15.80				
15	16QAM	1	37	15.85	15.70	15.59	17	0		
15	16QAM	1	74	15.77	15.80	15.75				
15	16QAM	36	39	15.81	15.84	15.71				
15	16QAM	36	39	15.73	15.78	15.78		17	0	
15	16QAM	75	0	15.82	15.80	15.80				
15	16QAM	75	0	15.84	15.79	15.80				
15	16QAM	75	0	15.74	15.70	15.66				
15	16QAM	1	0	15.82	15.70	15.65	17	0		
15	16QAM	1	37	15.73	15.77	15.68				
15	16QAM	1	74	15.69	15.70	15.74				
15	16QAM	36	39	15.80	15.80	15.81				
15	16QAM	36	39	15.80	15.77	15.69	17	0		
15	16QAM	75	0	15.80	15.77	15.69				
15	16QAM	75	0	15.80	15.77	15.69				
15	16QAM	75	0	15.80	15.77	15.69				
15	256QAM	1	37	15.85	15.70	15.80	17	0		
15	256QAM	1	74	15.82	15.81	15.68				
15	256QAM	36	39	15.73	15.84	15.66				
15	256QAM	36	39	15.73	15.84	15.66			17	0
15	256QAM	75	0	15.80	15.77	15.69				
15	256QAM	75	0	15.80	15.77	15.69				
15	256QAM	75	0	15.80	15.77	15.69				
15	256QAM	75	0	15.80	15.77	15.69				
Channel										
Frequency (MHz)										
15	QPSK	1	0	15.87	15.86	15.79	17	0		
15	QPSK	1	49	15.88	15.80	15.79				
15	QPSK	1	74	15.74	15.77	15.84				
15	QPSK	36	0	15.80	15.77	15.80				
15	QPSK	36	39	15.80	15.80	15.80	17	0		
15	QPSK	36	39	15.79	15.81	15.80				
15	QPSK	75	0	15.79	15.80	15.80				
15	16QAM	1	0	15.70	15.81	15.80				
15	16QAM	1	37	15.85	15.70	15.59	17	0		
15	16QAM	1	74	15.77	15.80	15.75				
15	16QAM	36	39	15.81	15.84	15.71				
15	16QAM	36	39	15.73	15.78	15.78		17	0	
15	16QAM	75	0	15.82	15.80	15.80				
15	16QAM	75	0	15.84	15.79	15.80				
15	16QAM	75	0	15.74	15.70	15.66				
15	16QAM	1	0	15.82	15.70	15.65	17	0		
15	16QAM	1	37	15.73	15.77	15.68				
15	16QAM	1	74	15.69	15.70	15.74				
15	16QAM	36	39	15.80	15.80	15.81				
15	16QAM	36	39	15.80	15.77	15.69	17	0		
15	16QAM	75	0	15.80	15.77	15.69				
15	16QAM	75	0	15.80	15.77	15.69				
15	16QAM	75	0	15.80	15.77	15.69				
15	256QAM	1	37	15.85	15.70	15.80	17	0		
15	256QAM	1	74	15.82	15.81	15.68				
15	256QAM	36	39	15.73	15.84	15.66				
15	256QAM	36	39	15.73	15.84	15.66			17	0
15	256QAM	75	0	15.80	15.77	15.69				
15	256QAM	75	0	15.80	15.77	15.69				
15	256QAM	75	0	15.80	15.77	15.69				
15	256QAM	75	0	15.80	15.77	15.69				
Channel										
Frequency (MHz)										
15	QPSK	1	0	15.87	15.86	15.79	17	0		
15	QPSK	1	49	15.88	15.80	15.79				
15	QPSK	1	74	15.74	15.77	15.84				
15	QPSK	36	0	15.80	15.77	15.80				
15	QPSK	36	39	15.80	15.80	15.80	17	0		
15	QPSK	36	39	15.79	15.81	15.80				
15	QPSK	75	0	15.79	15.80	15.80				
15	16QAM	1	0	15.70	15.81	15.80				
15	16QAM	1	37	15.85	15.70	15.59	17	0		
15	16QAM	1	74	15.77	15.80	15.75				
15	16QAM	36	39	15.81	15.84	15.71				
15	16QAM	36	39	15.73	15.78	15.78		17	0	
15	16QAM	75	0	15.82	15.80	15.80				
15	16QAM	75	0	15.84	15.79	15.80				
15	16QAM	75	0	15.74	15.70	15.66				
15	16QAM	1	0	15.82	15.70	15.65	17	0		
15	16QAM	1	37	15.73	15.77	15.68				
15	16QAM	1	74	15.69	15.70	15.74				
15	16QAM	36	39	15.80	15.80	15.81				
15	16QAM	36	39	15.80	15.77	15.69	17	0		
15	16QAM	75	0	15.80	15.77	15.69				
15	16QAM	75	0	15.80	15.77	15.69				
15	16QAM	75	0	15.80	15.77	15.69				
15	256QAM	1	37	15.85	15.70	15.80	17	0		
15	256QAM	1	74	15.82	15.81	15.68				
15	256QAM	36	39	15.73						



Band 12 Ant 1 DSI3 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq.	Power Mid Ch./F.Freq.	Power High Ch./F.Freq.	Time-up Int. (sec)	MPE (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.60	22.76	22.71			
10	QPSK	1	25	22.22	22.32	22.63			
10	QPSK	1	49	22.55	22.62	22.48			23.5
10	QPSK	25	0	22.66	22.75	22.63			
10	QPSK	25	1	22.52	22.65	22.62			
10	QPSK	25	25	22.58	22.68	22.58			23.5
10	QPSK	50	0	22.63	22.72	22.69			
10	QPSK	50	1	22.53	22.74	22.64			
10	16QAM	1	25	22.58	22.53	22.56			23.5
10	16QAM	1	49	22.43	22.47	22.54			
10	16QAM	25	0	22.22	22.32	22.18			
10	16QAM	25	12	22.18	22.19	22.13			23
10	16QAM	25	25	22.10	22.11	22.15			
10	16QAM	50	0	22.21	22.29	22.23			
10	84QAM	1	0	22.22	22.30	22.23			
10	84QAM	1	25	22.13	22.07	22.15			23
10	84QAM	1	49	22.11	22.12	22.10			
10	84QAM	25	0	21.22	21.28	21.24			
10	84QAM	25	12	21.18	21.16	21.19			22
10	84QAM	25	25	21.23	21.23	21.24			
10	84QAM	50	0	21.15	21.28	21.18			
10	256QAM	1	0	19.27	19.24	19.13			20
10	256QAM	1	25	19.27	19.12	19.07			3.5
10	256QAM	1	49	19.06	19.05	19.02			
10	256QAM	25	0	19.23	19.13	19.14			
10	256QAM	25	12	19.18	19.25	19.27			20
10	256QAM	25	25	19.32	19.25	19.23			3.5
10	256QAM	50	0	19.07	19.14	19.11			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.36	22.68	22.67			
5	QPSK	1	24	22.32	22.61	22.48			23.5
5	QPSK	1	24	21.92	22.07	22.03			
5	QPSK	12	0	22.31	22.57	22.56			
5	QPSK	12	7	22.44	22.55	22.56			23.5
5	QPSK	12	13	22.49	22.63	22.51			
5	QPSK	25	0	22.59	22.68	22.61			
5	QPSK	25	1	22.54	22.71	22.59			
5	16QAM	1	12	22.45	22.43	22.44			23.5
5	16QAM	1	24	22.37	22.26	22.39			
5	16QAM	12	0	22.13	22.17	22.13			
5	16QAM	12	7	22.05	22.04	22.06			23
5	16QAM	12	13	22.03	22.08	22.06			0.5
5	16QAM	25	0	22.12	22.18	22.11			
5	84QAM	1	0	22.08	22.24	22.17			
5	84QAM	1	24	22.07	22.03	22.03			22
5	84QAM	12	0	21.09	21.23	21.17			0.5
5	84QAM	12	13	21.15	21.05	21.10			22
5	84QAM	25	0	21.09	21.17	21.03			1.5
5	256QAM	1	0	19.26	19.23	19.02			
5	256QAM	1	12	19.25	19.08	19.04			20
5	256QAM	1	24	18.96	18.91	18.96			3.5
5	256QAM	12	0	19.23	19.11	19.05			
5	256QAM	12	13	19.22	19.16	19.14			20
5	256QAM	25	0	19.08	19.14	19.11			3.5
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	22.44	22.47	22.12			
1.4	QPSK	1	5	22.41	22.59	22.58			23.5
1.4	QPSK	3	0	22.53	22.60	22.67			
1.4	QPSK	3	1	22.45	22.61	22.57			
1.4	16QAM	1	0	22.49	22.62	22.48			23.5
1.4	16QAM	1	0	22.49	22.68	22.56			
1.4	16QAM	1	8	22.43	22.41	22.48			23.5
1.4	16QAM	8	0	22.11	22.27	22.11			
1.4	16QAM	8	4	22.08	22.03	22.03			23
1.4	16QAM	15	0	22.14	22.21	22.13			
1.4	84QAM	1	0	22.09	22.15	22.18			23
1.4	84QAM	1	6	22.01	22.01	22.03			0.5
1.4	84QAM	1	14	22.07	22.01	22.01			
1.4	84QAM	8	0	21.09	21.20	21.10			
1.4	84QAM	8	4	21.13	21.13	21.08			22
1.4	84QAM	8	7	21.20	21.16	21.20			1.5
1.4	84QAM	15	0	21.07	21.15	21.06			
1.4	256QAM	1	0	19.16	19.13	19.02			
1.4	256QAM	1	14	18.96	18.97	19.02			20
1.4	256QAM	8	4	18.98	18.96	18.95			3.5
1.4	256QAM	8	4	18.94	19.19	19.19			20
1.4	256QAM	8	7	19.19	19.16	19.11			3.5
1.4	256QAM	15	0	19.09	19.23	19.09			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	22.44	22.47	22.12			
1.4	QPSK	1	5	22.41	22.59	22.58			23.5
1.4	QPSK	3	0	22.53	22.60	22.67			
1.4	QPSK	3	1	22.45	22.61	22.57			
1.4	16QAM	1	0	22.49	22.62	22.48			23.5
1.4	16QAM	1	0	22.49	22.68	22.56			
1.4	16QAM	1	8	22.43	22.41	22.48			23.5
1.4	16QAM	8	0	22.11	22.27	22.11			
1.4	16QAM	8	4	22.08	22.03	22.03			23
1.4	16QAM	15	0	22.14	22.21	22.13			
1.4	84QAM	1	0	22.09	22.15	22.18			23
1.4	84QAM	1	6	22.01	22.01	22.03			0.5
1.4	84QAM	1	14	22.07	22.01	22.01			
1.4	84QAM	8	0	21.09	21.20	21.10			
1.4	84QAM	8	4	21.13	21.13	21.08			22
1.4	84QAM	8	7	21.20	21.16	21.20			1.5
1.4	84QAM	15	0	21.07	21.15	21.06			
1.4	256QAM	1	0	19.16	19.13	19.02			
1.4	256QAM	1	14	18.96	18.96	18.97			20
1.4	256QAM	8	4	18.97	19.20	19.05			3.5
1.4	256QAM	8	4	19.11	19.13	19.22			
1.4	256QAM	3	1	19.19	19.11	19.12			20
1.4	256QAM	5	0	19.05	19.21	19.12			3.5

Band 13 Ant 1 DSI3 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq.	Power Mid Ch./F.Freq.	Power High Ch./F.Freq.	Time-up Int. (sec)	MPE (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.32	22.62	22.61			
10	QPSK	1	25	22.21	22.35	22.63			23.5
10	QPSK	1	49	22.14	22.40	22.43			
10	QPSK	25	0	22.35	22.60	22.59			
10	QPSK	25	12	22.18	22.58	22.54			23.5
10	QPSK	25	25	22.08	22.47	22.54			
10	QPSK	50	0	22.15	22.64	22.61			
10	16QAM	1	0	22.30	22.59	22.61			
10	16QAM	1	25	22.13	22.47	22.55			23.5
10	16QAM	1	49	22.05	22.45	22.46			
10	16QAM	25	0	22.14	22.27	22.39			
10	16QAM	25	12	21.52	21.10	22.07			23
10	16QAM	25	25	22.07	22.02	22.02			0.5
10	16QAM	50	0	22.13	22.22	22.12			
10	84QAM	1	0	22.11	22.18	22.12			
10	84QAM	1	25	21.91	22.00	21.88			23
10	84QAM	1	49	21.91	22.00	21.88			0.5
10	84QAM	25	0	21.10	21.24	21.20			
10	84QAM	25	12	21.11	21.10	21.16			22
10	84QAM	25	25	21.14	21.20	21.20			1.5
10	84QAM	50	0	21.13	21.20	21.12			
10	256QAM	1	0	19.16	19.22	19.08			
10	256QAM	1	25	19.03	19.07	19.03			20
10	256QAM	1	49	18.93	19.01	18.98			3.5
10	256QAM	25	0	19.12	19.26	19.19			
10	256QAM	25	12	19.15	19.11	19.22			20
10	256QAM	25	25	19.19	19.18	19.23			3.5
10	256QAM	50	0	19.05	19.18	19.07			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.12	22.21	22.25			
5	QPSK	1	12	22.09	22.08	21.96			23.5
5	QPSK	1	24	21.97	22.07	22.03			
5	QPSK	12	0	22.08	22.12	22.21			
5	QPSK	12	7	21.97	22.07	21.98			23.5
5	QPSK	12	13	21.96	22.07	21.93			
5	QPSK	25	0	21.97	22.03	21.97			
5	16QAM	1	0	22.16	22.20	22.25			23.5
5	16QAM	1	12	21.97	22.06	21.96			
5	16QAM	1	24	21.92	22.02	21.98			
5	16QAM	12	0	21.58	21.67	21.60			23
5	16QAM	12	7	21.45	21.53	21.44			0.5
5	16QAM	12	13	21.50	21.63	21.53			
5	16QAM	25	0	21.59	21.67	21.60			23.5
5	16QAM	25	1	21.58	21.63	21.63			
5	16QAM	1	12	21.18	21.48	21.30			0.5
5	84QAM	1	0	21.49	21.61	21.47			
5	84QAM	1	12	21.51	21.58	21.63			23
5	84QAM	12	0	20.30	20.40	20.30			1.5
5	84QAM	12	13	20.47	20.51	20.45			
5	84QAM	25	0	20.46	20.73	20.69			
5	84QAM	25	1	19.87	1.35	19.80			20
5	256QAM	1	12	18.36	18.43	18.40			3.5
5	256QAM	1	24	18.36	18.43	18.40			
5	256QAM	12	0	18.58	18.68	18.65			20
5	256QAM	12	7	18.47	18.48	18.45			3.5
5	256QAM	12	13	18.58	18.56	18.49			
5	256QAM	25	0	18.63	18.63	18.65			



Band 26 Ant 1 DS13 Simultaneous																		
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freqs	Power Mid Ch / Freqs	Power High Ch / Freqs	Tune-up Band (MHz)	MPR (dB)										
Channel																		
Frequency (MHz)																		
15	QPSK	1	0	22.63	22.65	22.61	24	0										
15	QPSK	1	37	22.43	22.50	22.45												
15	QPSK	1	74	22.48	22.55	22.41	24	0										
15	QPSK	36	0	22.50	22.59	22.54												
15	QPSK	36	20	22.35	22.42	22.38	24	0										
15	QPSK	36	36	22.39	22.49	22.42												
15	QPSK	75	0	22.50	22.45	22.33	24	0										
15	16QAM	1	0	22.54	22.64	22.59												
15	16QAM	1	37	22.37	22.40	22.38	24	0										
15	16QAM	1	74	22.52	22.51	22.45												
15	16QAM	36	0	22.53	22.58	21.99	23.5	0.5										
15	16QAM	36	20	21.81	21.84	21.82												
15	16QAM	36	36	21.91	21.86	21.90	22.5	1.5										
15	16QAM	75	0	21.99	22.02	21.95												
15	64QAM	1	0	22.01	22.12	22.01	23.5	0.5										
15	64QAM	1	37	21.92	21.81	21.87												
15	64QAM	1	74	21.89	21.80	21.94	22.5	1.5										
15	64QAM	36	0	21.06	21.10	21.07												
15	64QAM	36	20	21.02	21.14	21.06	20.5	3.5										
15	64QAM	36	36	21.10	21.08	20.99												
15	256QAM	1	0	19.01	19.09	18.95	20.5	3.5										
15	256QAM	1	37	18.97	18.84	18.87												
15	256QAM	1	74	18.92	18.90	18.91	20.5	3.5										
15	256QAM	36	0	18.99	19.03	18.98												
15	256QAM	36	20	19.01	19.00	19.07	19.5	3.5										
15	256QAM	36	36	18.98	19.02	18.91												
15	256QAM	75	0	18.94	18.97	18.94												
Channel																		
Frequency (MHz)																		
10	QPSK	1	0	22.52	22.61	22.41	24	0										
10	QPSK	1	26	22.33	22.43	22.41												
10	QPSK	1	49	22.43	22.45	22.30	24	0										
10	QPSK	25	0	22.45	22.48	22.48												
10	QPSK	25	12	22.39	22.38	22.38	24	0										
10	QPSK	25	25	22.32	22.45	22.27												
10	QPSK	50	0	22.17	22.37	22.24	24	0										
10	16QAM	1	0	22.42	22.59	22.50												
10	16QAM	1	25	22.22	22.27	22.30	23.5	0										
10	16QAM	1	49	22.22	22.36	22.36												
10	16QAM	25	0	21.95	21.97	21.91	22.5	0.5										
10	16QAM	25	12	21.75	21.76	21.74												
10	16QAM	25	25	21.79	21.75	21.73	23.5	1.5										
10	16QAM	50	0	21.88	21.96	21.88												
10	64QAM	1	0	21.88	22.06	21.98	23.5	0.5										
10	64QAM	1	26	21.88	21.70	21.77												
10	64QAM	1	49	21.53	21.84	21.87	22.5	1.5										
10	64QAM	25	0	20.94	21.05	20.94												
10	64QAM	25	12	20.87	21.02	20.98	20.5	3.5										
10	64QAM	25	25	20.59	21.04	20.95												
10	256QAM	1	0	18.91	18.96	18.96	20.5	3.5										
10	256QAM	1	26	18.79	18.75	18.83												
10	256QAM	1	49	18.81	18.86	18.86	20.5	3.5										
10	256QAM	25	0	18.86	18.86	18.86												
10	256QAM	25	12	18.93	18.92	18.94	20.5	3.5										
10	256QAM	25	25	18.92	18.98	18.87												
10	256QAM	50	0	18.71	18.89	18.84	19.5	3.5										
Channel																		
Frequency (MHz)																		
5	QPSK	1	0	22.52	22.52	22.39							24	0				
5	QPSK	1	12	22.28	22.44	22.41												
5	QPSK	1	24	22.44	22.47	22.35	24	0										
5	QPSK	12	0	22.29	22.52	22.49												
5	QPSK	12	7	22.29	22.31	22.25	24	0										
5	QPSK	12	13	22.27	22.37	22.38												
5	QPSK	25	0	22.26	22.42	22.36	24	0										
5	16QAM	1	0	22.48	22.49	22.50												
5	16QAM	1	12	22.34	22.33	22.33	24	0										
5	16QAM	1	24	22.25	22.36	22.36												
5	16QAM	12	0	21.98	21.98	21.99	23.5	0.5										
5	16QAM	12	7	21.76	21.79	21.73												
5	16QAM	12	13	21.79	21.75	21.73	22.5	1.5										
5	16QAM	25	0	21.88	21.91	21.82												
5	64QAM	1	0	21.94	22.07	21.93	23.5	0.5										
5	64QAM	1	12	21.88	21.71	21.81												
5	64QAM	1	24	21.85	21.81	21.81	22.5	1.5										
5	64QAM	12	0	21.00	20.99	20.99												
5	64QAM	12	7	20.95	21.10	21.01	20.5	3.5										
5	64QAM	12	13	21.06	20.95	20.95												
5	64QAM	25	0	20.74	20.99	20.80	20.5	3.5										
5	256QAM	1	0	18.67	18.86	18.81												
5	256QAM	1	12	18.73	18.70	18.76	20.5	3.5										
5	256QAM	1	24	18.80	18.76	18.77												
5	256QAM	12	0	18.85	18.84	18.87	20.5	3.5										
5	256QAM	12	7	18.89	18.85	18.97												
5	256QAM	12	13	18.94	18.88	18.78	19.5	3.5										
5	256QAM	25	0	18.75	18.91	18.79												
Channel																		
Frequency (MHz)																		
3	QPSK	1	0	22.53	22.53	22.45	24	0										
3	QPSK	1	8	22.51	22.38	22.40												
3	QPSK	1	14	22.41	22.49	22.27	24	0										
3	QPSK	3	0	22.36	22.49	22.48												
3	QPSK	3	4	22.51	22.35	22.26	24	0										
3	QPSK	24	0	22.46	22.37	22.37												
3	QPSK	15	0	22.19	22.41	22.23	24	0										
3	16QAM	1	0	22.44	22.54	22.53												
3	16QAM	1	8	22.31	22.38	22.38	24	0										
3	16QAM	1	14	22.26	22.45	22.45												
3	16QAM	3	0	21.99	22.04	21.88	23.5	0.5										
3	16QAM	3	4	21.77	21.75	21.73												
3	16QAM	15	0	21.86	21.85	21.87	22.5	1.5										
3	16QAM	15	8	21.55	21.93	21.82												
3	64QAM	1	0	21.79	21.74	21.82	22.5	0.5										
3	64QAM	1	14	21.80	21.82	21.82												
3	64QAM	1	28	21.56	21.83	21.83	22.5	1.5										
3	64QAM	3	0	20.90	21.02	20.99												
3	64QAM	3	4	20.88	21.03	20.95	20.5	3.5										
3	64QAM	15	0	19.69	20.76	20.76												
3	256QAM	1	0	18.66	18.94	18.83	20.5	3.5										
3	256QAM	1	8	18.61	18.72	18.75												
3	256QAM	1	14	18.64	18.84	18.84	20.5	3.5										
3	256QAM	3	0	18.95	18.96	18.96												
3	256QAM	3	4	18.98	18.95	19.02	20.5	3.5										
3	256QAM	15	0	18.63	18.93	18.88												
3	256QAM	15	0	18.60	18.83	18.83	19.5	3.5										
Channel																		
Frequency (MHz)																		
1.4	QPSK	1	0	22.60	22.60	22.50							24	0				
1.4	QPSK	1	5	22.42	22.46	22.46												
1.4	QPSK	1	5	22.42	22.48	22.48	24	0										
1.4	QPSK	3	0	22.32	22.31	22.30												
1.4	QPSK	3	5	22.25	22.37	22.28	24	0										
1.4	QPSK	25	0	22.25	22.38	22.21												
1.4	16QAM	1	0	22.49	22.50	22.49	24	0										
1.4	16QAM	1	5	22.29	22.38	22.27												
1.4	16QAM	1	5	22.29	22.31	22.29	24	0										
1.4	16QAM	3	0	22.22	22.32	22.28												
1.4	16QAM	3	5	22.24	22.36	22.29	23.5	0.5										
1.4	16QAM	6	0	21.88	22.01	21.91												
1.4	16QAM	6	5	21.74	21.87	21.84	22.5	1.5										
1.4	16QAM	1	0	21.85	21.97	21.92												
1.4	16QAM	1	5	21.85	21.84	21.87	22.5	1.5										
1.4	16QAM	3	0	21.56	21.63	21.63												
1.4	16QAM	3	5	21.97	22.04	22.00	22.5	1.5										
1.4	16QAM	6	0	20.71	21.84	21.87												
1.4	16QAM	6	5	20.52	20.79	20.79	22.5	1.5										
1.4	16QAM	15	0	19.06	19.05	18.95												
1.4	16QAM	3	0	18.75	18.78	18.75	20.5	3.5										
1.4	16QAM	3	5	18.82	18.86	18.87												
1.4	256QAM	3	0	18.68	18.96	18.85	20.5	3.5										
1.4	256QAM	3	5	18.92	18.91	18.98												
1.4	256QAM	6	0	18.66	18.96	18.84	20.5	3.5										
1.4	256QAM	6	5	18.77	18.95	18.79												

Band 38 PC3 Ant 1 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	19.18	19.28	19.21	21	0	
20	QPSK	1	49	19.09	19.15	19.08			
20	QPSK	1	99	19.06	19.13	19.03			
20	QPSK	50	0	19.11	19.24	19.17			
20	QPSK	50	24	19.02	19.10	19.09	21	0	
20	QPSK	50	50	19.05	19.19	19.16			
20	QPSK	100	0	19.05	19.20	19.15			
20	16QAM	1	0	19.11	19.20	19.17			
20	16QAM	1	49	19.11	19.20	19.15	21	0	
20	16QAM	1	99	19.03	19.16	19.05			
20	16QAM	50	0	19.18	19.25	19.21			
20	16QAM	50	24	19.17	19.20	19.12			
20	16QAM	50	50	19.08	19.12	19.09	21	0	
20	16QAM	100	0	19.08	19.24	19.13			
20	64QAM	1	0	19.15	19.22	19.20			
20	64QAM	1	49	19.12	19.20	19.17	21	0	
20	64QAM	1	99	19.17	19.25	19.08			
20	64QAM	50	0	19.06	19.11	19.07			
20	64QAM	50	24	19.01	19.13	19.06			
20	64QAM	50	50	19.17	19.23	19.17	21	0	
20	64QAM	100	0	19.12	19.15	19.04			
20	256QAM	1	0	19.12	19.15	19.09			
20	256QAM	1	49	19.12	19.18	19.04	21	0	
20	256QAM	1	99	19.06	19.22	19.12			
20	256QAM	50	0	19.07	19.21	19.04			
20	256QAM	50	24	19.09	19.14	19.03			
20	256QAM	50	50	19.04	19.20	19.13	21	0	
20	256QAM	100	0	19.02	19.14	19.09			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	19.00	19.19	19.04	21	0	
15	QPSK	1	37	19.07	19.09	19.00			
15	QPSK	1	74	19.04	19.08	19.07			
15	QPSK	36	0	19.05	19.12	19.03			
15	QPSK	36	20	19.03	19.07	19.08	21	0	
15	QPSK	36	39	19.09	19.06	19.12			
15	QPSK	75	0	19.09	19.16	19.01			
15	16QAM	1	0	19.08	19.04	19.13			
15	16QAM	1	37	19.07	19.13	19.03	21	0	
15	16QAM	1	74	19.03	19.05	19.01			
15	16QAM	36	0	19.02	19.13	19.09			
15	16QAM	36	20	19.10	19.09	19.07			
15	16QAM	36	39	19.03	19.04	19.06	21	0	
15	16QAM	75	0	19.02	19.21	19.05			
15	64QAM	1	0	19.10	19.09	19.12			
15	64QAM	1	37	19.05	19.10	19.03	21	0	
15	64QAM	1	74	19.10	19.16	19.04			
15	64QAM	36	0	19.01	19.03	19.03			
15	64QAM	36	20	19.04	19.03	19.02			
15	64QAM	36	39	19.09	19.19	19.04	21	0	
15	64QAM	75	0	19.04	19.05	19.00			
15	256QAM	1	0	19.09	19.09	19.00			
15	256QAM	1	37	19.03	19.01	19.08	21	0	
15	256QAM	1	74	19.04	19.14	19.04			
15	256QAM	36	0	19.05	19.17	19.02			
15	256QAM	36	20	19.04	19.07	19.09			
15	256QAM	36	39	19.01	19.07	19.09	21	0	
15	256QAM	75	0	19.04	19.09	19.04			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	19.12	19.22	19.08	21	0	
10	QPSK	1	25	19.07	19.06	19.01			
10	QPSK	1	49	19.09	19.07	19.01			
10	QPSK	25	0	19.04	19.06	19.04			
10	QPSK	25	12	19.02	19.07	19.03	21	0	
10	QPSK	25	25	19.03	19.15	19.10			
10	QPSK	50	0	19.01	19.03	19.08			
10	16QAM	1	0	19.09	19.08	19.01			
10	16QAM	1	25	19.07	19.12	19.09	21	0	
10	16QAM	1	49	19.06	19.05	19.06			
10	16QAM	25	0	19.08	19.21	19.17			
10	16QAM	25	12	19.01	19.05	19.01			
10	16QAM	25	25	19.05	19.05	19.02	21	0	
10	16QAM	50	0	19.05	19.16	19.08			
10	64QAM	1	0	19.09	19.12	19.02			
10	64QAM	1	25	19.04	19.15	19.10			
10	64QAM	1	49	19.01	19.16	19.02	21	0	
10	64QAM	25	0	19.07	19.04	19.06			
10	64QAM	25	12	19.00	19.07	19.00			
10	64QAM	25	25	19.15	19.12	19.05			
10	64QAM	50	0	19.05	19.11	19.01	21	0	
10	256QAM	1	0	19.08	19.07	19.01			
10	256QAM	1	25	19.09	19.16	19.01			
10	256QAM	1	49	19.00	19.08	19.09			
10	256QAM	25	0	19.05	19.15	19.08	21	0	
10	256QAM	25	12	19.05	19.09	19.02			
10	256QAM	25	25	19.07	19.11	19.08			
10	256QAM	50	0	19.09	19.04	19.00			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	19.00	19.17	19.16	21	0	
5	QPSK	1	12	19.05	19.09	19.05			
5	QPSK	1	24	19.09	19.00	19.06			
5	QPSK	12	0	19.07	19.20	19.10			
5	QPSK	12	7	19.03	19.02	19.07	21	0	
5	QPSK	12	13	19.06	19.05	19.10			
5	QPSK	25	0	19.04	19.04	19.09			
5	16QAM	1	0	19.06	19.04	19.05			
5	16QAM	1	12	19.06	19.10	19.09	21	0	
5	16QAM	1	24	19.09	19.07	19.09			
5	16QAM	12	0	19.02	19.10	19.18			
5	16QAM	12	7	19.14	19.11	19.06			
5	16QAM	12	13	19.09	19.01	19.03	21	0	
5	16QAM	25	0	19.03	19.08	19.11			
5	64QAM	1	0	19.10	19.10	19.15			
5	64QAM	1	12	19.09	19.10	19.01			
5	64QAM	1	24	19.04	19.13	19.02	21	0	
5	64QAM	12	0	19.09	19.04	19.04			
5	64QAM	12	7	19.03	19.09	19.04			
5	64QAM	12	13	19.08	19.16	19.04			
5	64QAM	25	0	19.03	19.09	19.07	21	0	
5	256QAM	1	0	19.09	19.00	19.09			
5	256QAM	1	12	19.00	19.11	19.08			
5	256QAM	1	24	19.05	19.07	19.09			
5	256QAM	12	0	19.09	19.17	19.08	21	0	
5	256QAM	12	7	19.03	19.07	19.09			
5	256QAM	12	13	19.01	19.07	19.00			
5	256QAM	25	0	19.06	19.06	19.02			

Band 38 PC2 Ant 1 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	21.07	21.18	21.10	22.6	0	
20	QPSK	1	49	21.02	21.12	21.09			
20	QPSK	1	99	21.03	21.10	21.08			
20	QPSK	50	0	21.04	21.14	20.98	22.6	0	
20	QPSK	50	24	21.00	21.11	21.01			
20	QPSK	50	50	21.01	21.08	20.97			
20	QPSK	100	0	20.90	21.06	20.94	22.6	0	
20	16QAM	1	0	20.95	21.12	21.07			
20	16QAM	1	49	21.04	21.08	20.97			
20	16QAM	1	99	21.02	21.07	20.89	22.6	0	
20	16QAM	50	0	20.92	21.03	20.99			
20	16QAM	50	24	20.93	21.03	20.93			
20	16QAM	50	50	20.97	21.04	20.87	22.6	0	
20	16QAM	100	0	20.96	21.11	21.06			
20	16QAM	1	0	20.93	21.03	20.87			
20	64QAM	1	49	20.99	21.04	20.96	22.6	0	
20	64QAM	1	99	20.85	21.02	20.98			
20	64QAM	50	0	21.06	21.12	21.09			
20	64QAM	50	24	20.92	21.01	20.87	22.6	0	
20	64QAM	50	50	21.06	21.09	20.92			
20	64QAM	100	0	21.01	21.14	20.97			
20	256QAM	1	0	20.89	20.98	20.88	22.6	0	
20	256QAM	1	49	20.84	21.00	20.92			
20	256QAM	1	99	20.89	21.01	20.86			
20	256QAM	50	0	20.96	21.06	20.99	22.6	0	
20	256QAM	50	24	20.92	21.07	21.00			
20	256QAM	50	50	21.01	21.07	20.87			
20	256QAM	100	0	20.91	20.98	20.80			
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	20.89	21.09	21.02	22.6	0	
15	QPSK	1	37	20.92	21.06	20.95			
15	QPSK	1	74	20.99	20.93	21.02			
15	QPSK	36	0	20.93	20.99	20.91	22.6	0	
15	QPSK	36	20	20.94	21.00	20.95			
15	QPSK	36	39	20.96	20.90	20.86			
15	QPSK	75	0	20.88	21.02	20.82	22.6	0	
15	16QAM	1	0	20.87	21.06	21.03			
15	16QAM	1	37	20.93	20.94	20.79			
15	16QAM	1	74	20.96	20.92	20.77	22.6	0	
15	16QAM	36	0	20.82	20.97	20.80			
15	16QAM	36	20	20.79	20.97	20.83			
15	16QAM	36	39	20.81	20.95	20.78	22.6	0	
15	16QAM	75	0	20.87	21.08	20.89			
15	64QAM	1	0	20.87	20.97	20.75			
15	64QAM	1	37	20.95	20.89	20.93	22.6	0	
15	64QAM	1	74	20.73	20.90	20.87			
15	64QAM	36	0	20.93	21.07	21.03			
15	64QAM	36	20	20.80	20.91	20.75	22.6	0	
15	64QAM	36	39	21.00	20.98	20.82			
15	64QAM	75	0	20.99	21.00	20.81			
15	256QAM	1	0	20.86	20.80	20.71	22.6	0	
15	256QAM	1	37	20.82	20.88	20.80			
15	256QAM	1	74	20.72	20.98	20.76			
15	256QAM	36	0	20.87	21.02	20.73	22.6	0	
15	256QAM	36	20	20.84	20.97	20.95			
15	256QAM	36	39	20.89	20.91	20.83			
15	256QAM	75	0	20.81	20.85	20.79			
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	20.99	21.06	20.94	22.6	0	
10	QPSK	1	25	20.93	20.99	21.03			
10	QPSK	1	49	20.93	20.98	20.98			
10	QPSK	25	0	20.87	20.97	20.91	22.6	0	
10	QPSK	25	12	20.86	21.09	20.91			
10	QPSK	25	25	20.90	21.01	20.86			
10	QPSK	50	0	20.76	20.98	20.89	22.6	0	
10	16QAM	1	0	20.83	21.07	20.91			
10	16QAM	1	25	20.91	21.01	20.83			
10	16QAM	1	49	20.89	20.98	20.83	22.6	0	
10	16QAM	25	0	20.86	20.91	20.90			
10	16QAM	25	12	20.84	20.90	20.82			
10	16QAM	50	0	20.82	20.97	20.99	22.6	0	
10	16QAM	1	0	20.81	20.98	20.83			
10	64QAM	1	25	20.82	20.90	20.94			
10	64QAM	1	49	20.71	20.88	20.85	22.6	0	
10	64QAM	25	0	21.03	20.97	20.97			
10	64QAM	25	12	20.84	20.83	20.82			
10	64QAM	25	25	20.90	20.93	20.81	22.6	0	
10	64QAM	50	0	20.83	21.05	20.87			
10	256QAM	1	0	20.75	20.88	20.79			
10	256QAM	1	25	20.69	20.91	20.77	22.6	0	
10	256QAM	1	49	20.72	20.94	20.84			
10	256QAM	25	0	20.78	20.93	20.82			
10	256QAM	25	12	20.82	20.93	20.94	22.6	0	
10	256QAM	25	25	20.97	21.02	20.87			
10	256QAM	50	0	20.82	20.91	20.75			
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	20.97	21.04	21.03	22.6	0	
5	QPSK	1	12	20.89	21.03	20.92			
5	QPSK	1	24	20.87	21.01	20.95			
5	QPSK	12	0	20.95	21.05	20.81	22.6	0	
5	QPSK	12	7	20.98	21.05	20.91			
5	QPSK	12	13	20.87	21.03	20.85			
5	QPSK	25	0	20.75	20.90	20.85	22.6	0	
5	16QAM	1	0	20.94	21.00	21.03			
5	16QAM	1	12	20.95	21.01	20.87			
5	16QAM	1	24	20.96	21.02	20.86	22.6	0	
5	16QAM	12	0	20.82	21.01	20.97			
5	16QAM	12	7	20.96	21.00	20.88			
5	16QAM	12	13	20.93	20.96	20.83	22.6	0	
5	16QAM	25	0	20.87	20.99	20.96			
5	64QAM	1	0	20.85	20.95	20.71			
5	64QAM	1	12	20.81	20.99	20.85	22.6	0	
5	64QAM	1	24	20.81	20.99	20.93			
5	64QAM	12	0	20.90	20.99	21.05			
5	64QAM	12	7	20.79	20.94	20.80	22.6	0	
5	64QAM	12	13	20.91	21.05	20.80			
5	64QAM	25	0	20.87	21.02	20.92			
5	256QAM	1	0	20.72	20.90	20.75	22.6	0	
5	256QAM	1	12	20.72	20.95	20.86			
5	256QAM	1	24	20.80	20.93	20.88			
5	256QAM	12	0	20.91	21.00	20.82	22.6	0	
5	256QAM	12	7	20.84	21.02	20.94			
5	256QAM	12	13	20.93	20.92	20.89			
5	256QAM	25	0	20.81	20.86	20.66			

Band 41 PC3 Ant 1 DSI3 Simultaneous											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low-Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40620	41055	41490	21	0	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	19.27	19.24	19.38	19.12	19.05	21	0	
20	QPSK	1	49	19.22	19.17	19.31	19.11	19.04			
20	QPSK	1	99	19.19	19.17	19.21	19.08	19.09			
20	QPSK	50	0	19.21	19.20	19.35	19.10	19.32			
20	QPSK	50	24	19.19	19.10	19.24	19.06	19.19	21	0	
20	QPSK	50	50	19.14	19.23	19.29	19.11	19.15			
20	QPSK	100	0	19.20	19.23	19.25	19.12	19.20			
20	16QAM	1	0	19.17	19.24	19.29	19.14	19.18			
20	16QAM	1	49	19.31	19.29	19.34	19.13	19.31	21	0	
20	16QAM	1	99	19.29	19.29	19.34	19.12	19.20			
20	16QAM	50	0	19.13	19.21	19.23	19.03	19.18			
20	16QAM	50	24	19.24	19.19	19.35	19.13	19.23			
20	16QAM	50	50	19.20	19.31	19.36	19.24	19.31	21	0	
20	16QAM	100	0	19.20	19.17	19.23	19.06	19.20			
20	64QAM	1	0	19.21	19.19	19.29	19.06	19.18			
20	64QAM	1	49	19.18	19.21	19.31	19.15	19.26	21	0	
20	64QAM	1	99	19.16	19.20	19.29	19.05	19.23			
20	64QAM	50	0	19.28	19.24	19.36	19.15	19.19			
20	64QAM	50	24	19.07	19.13	19.22	19.03	19.07			
20	64QAM	50	50	19.09	19.19	19.21	19.07	19.06	21	0	
20	64QAM	100	0	19.26	19.19	19.29	19.06	19.27			
20	256QAM	1	0	19.22	19.28	19.31	19.18	19.15			
20	256QAM	1	49	19.23	19.26	19.30	19.15	19.19	21	0	
20	256QAM	1	99	19.14	19.16	19.31	19.19	19.15			
20	256QAM	50	0	19.16	19.08	19.21	19.00	19.19			
20	256QAM	50	24	19.24	19.26	19.35	19.09	19.21			
20	256QAM	50	50	19.17	19.13	19.29	19.11	19.13	21	0	
20	256QAM	100	0	19.16	19.21	19.25	19.02	19.17			
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	19.09	19.03	19.25	19.08	19.00	21.00	0	
15	QPSK	1	37	19.06	19.14	19.17	19.05	19.08			
15	QPSK	1	74	19.05	19.05	19.06	19.05	19.02			
15	QPSK	36	0	19.17	19.08	19.26	19.08	19.02			
15	QPSK	36	20	19.10	19.05	19.07	19.02	19.02	21	0	
15	QPSK	36	39	19.01	19.12	19.24	19.08	19.01			
15	QPSK	75	0	19.06	19.18	19.16	19.06	19.11			
15	16QAM	1	0	19.07	19.14	19.22	19.09	19.14			
15	16QAM	1	37	19.22	19.19	19.21	19.06	19.16	21	0	
15	16QAM	1	74	19.23	19.12	19.22	19.09	19.09			
15	16QAM	36	0	19.06	19.15	19.11	19.09	19.02			
15	16QAM	36	20	19.11	19.14	19.22	19.00	19.12			
15	16QAM	36	39	19.16	19.28	19.32	19.06	19.18	21	0	
15	16QAM	75	0	19.13	19.10	19.20	19.00	19.15			
15	64QAM	1	0	19.10	19.05	19.15	19.08	19.15			
15	64QAM	1	37	19.10	19.13	19.24	19.01	19.16	21	0	
15	64QAM	1	74	19.01	19.15	19.24	19.08	19.11			
15	64QAM	36	0	19.10	19.07	19.26	19.03	19.02			
15	64QAM	36	20	19.02	19.08	19.06	19.05	19.03			
15	64QAM	36	39	19.03	19.09	19.06	19.02	19.02	21	0	
15	64QAM	75	0	19.20	19.06	19.22	19.09	19.16			
15	256QAM	1	0	19.11	19.13	19.22	19.04	19.09			
15	256QAM	1	37	19.20	19.18	19.20	19.03	19.15	21	0	
15	256QAM	1	74	19.04	19.06	19.16	19.01	19.13			
15	256QAM	36	0	19.09	19.03	19.14	19.04	19.05			
15	256QAM	36	20	19.21	19.14	19.30	19.00	19.08			
15	256QAM	36	39	19.09	19.10	19.13	19.09	19.09	21	0	
15	256QAM	75	0	19.09	19.18	19.21	19.04	19.09			
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501	2547	2593	2639	2685			
10	QPSK	1	0	19.24	19.13	19.22	19.06	19.03	21.00	0	
10	QPSK	1	25	19.07	19.02	19.15	19.01	19.01			
10	QPSK	1	49	19.09	19.09	19.16	19.03	19.08			
10	QPSK	25	0	19.07	19.20	19.28	19.04	19.20			
10	QPSK	25	12	19.06	19.05	19.12	19.06	19.15	21	0	
10	QPSK	25	25	19.06	19.11	19.18	19.08	19.08			
10	QPSK	50	0	19.16	19.11	19.15	19.07	19.08			
10	16QAM	1	0	19.10	19.11	19.25	19.08	19.13			
10	16QAM	1	25	19.28	19.16	19.25	19.00	19.15	21	0	
10	16QAM	1	49	19.13	19.15	19.17	19.07	19.04			
10	16QAM	25	0	19.00	19.18	19.16	19.03	19.07			
10	16QAM	25	12	19.19	19.14	19.28	19.04	19.12	21	0	
10	16QAM	25	25	19.13	19.25	19.33	19.16	19.20			
10	16QAM	50	0	19.10	19.10	19.13	19.02	19.17			
10	64QAM	1	0	19.14	19.15	19.21	19.08	19.12			
10	64QAM	1	25	19.01	19.07	19.22	19.10	19.19	21	0	
10	64QAM	1	49	19.03	19.06	19.14	19.09	19.08			
10	64QAM	25	0	19.26	19.19	19.19	19.02	19.05			
10	64QAM	25	12	19.01	19.07	19.06	19.06	19.04			
10	64QAM	25	25	19.04	19.06	19.14	19.01	19.01	21	0	
10	64QAM	50	0	19.14	19.05	19.14	19.09	19.12			
10	256QAM	1	0	19.09	19.16	19.19	19.10	19.03			
10	256QAM	1	25	19.06	19.15	19.15	19.09	19.06	21	0	
10	256QAM	1	49	19.06	19.06	19.21	19.14	19.04			
10	256QAM	25	0	19.02	19.09	19.16	19.05	19.04			
10	256QAM	25	12	19.15	19.15	19.19	19.05	19.14			
10	256QAM	25	25	19.00	19.04	19.13	19.03	19.07	21	0	
10	256QAM	50	0	19.02	19.12	19.18	19.05	19.02			
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	19.24	19.16	19.22	19.01	19.04	21.00	0	
5	QPSK	1	12	19.15	19.14	19.22	19.05	19.00			
5	QPSK	1	24	19.16	19.04	19.17	19.01	19.00			
5	QPSK	12	0	19.03	19.21	19.32	19.06	19.20			
5	QPSK	12	7	19.15	19.00	19.13	19.03	19.12	21	0	
5	QPSK	12	13	19.07	19.10	19.12	19.08	19.09			
5	QPSK	25	0	19.08	19.18	19.10	19.06	19.05			
5	16QAM	1	0	19.03	19.19	19.21	19.07	19.13			
5	16QAM	1	12	19.14	19.23	19.24	19.08	19.28	21	0	
5	16QAM	1	24	19.18	19.17	19.22	19.02	19.11			
5	16QAM	12	0	19.05	19.09	19.11	19.01	19.02			
5	16QAM	12	7	19.17	19.07	19.26	19.02	19.12	21	0	
5	16QAM	12	13	19.12	19.22	19.30	19.17	19.13			
5	16QAM	25	0	19.06	19.07	19.13	19.03	19.04	21	0	
5	64QAM	1	0	19.18	19.09	19.14	19.06	19.00			
5	64QAM	1	12	19.02	19.15	19.24	19.00	19.11			
5	64QAM	1	24	19.08	19.17	19.24	19.02	19.12			
5	64QAM	12	0	19.22	19.18	19.19	19.12	19.04	21	0	
5	64QAM	12	7	19.03	19.03	19.16	19.05	19.06			
5	64QAM	12	13	19.04	19.14	19.16	19.22	19.01			
5	64QAM	25	0	19.19	19.07	19.23	19.08	19.25	21	0	
5	256QAM	1	0	19.14	19.19	19.23	19.07	19.09			
5	256QAM	1	12	19.21	19.13	19.24	19.13	19.02			
5	256QAM	1	24	19.06	19.06	19.24	19.13	19.08			
5	256QAM	12	0	19.14	19.01	19.22	19.07	19.13	21	0	
5	256QAM	12	7	19.20	19.09	19.31	19.23	19.12			
5	256QAM	12	13	19.11	19.07	19.13	19.21	19.07			

Band 42 Part96 Ant 2 DS13 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				43190	43340	43490				
Frequency (MHz)				3560	3575	3590				
20	QPSK	1	0	17.87	18.05	17.69	19.2	0		
20	QPSK	1	49	17.88	17.89	17.80				
20	QPSK	1	99	17.84	17.64	17.76				
20	QPSK	50	0	17.69	17.91	17.76	19.2	0		
20	QPSK	50	24	17.58	17.76	17.62				
20	QPSK	50	50	17.86	17.77	17.67				
20	QPSK	100	0	17.78	17.76	17.67	19.2	0		
20	16QAM	1	0	17.66	17.89	17.78				
20	16QAM	1	49	17.62	17.72	17.50				
20	16QAM	1	99	17.57	17.67	17.48	19.2	0		
20	16QAM	50	0	17.75	17.55	17.65				
20	16QAM	50	24	17.94	17.70	17.64				
20	16QAM	50	50	17.58	17.62	17.57	19.2	0		
20	16QAM	100	0	17.41	17.39	17.37				
20	64QAM	1	0	17.65	17.78	17.96				
20	64QAM	1	49	17.67	17.69	17.91	19.2	0		
20	64QAM	1	99	17.78	17.65	17.59				
20	64QAM	50	0	17.96	17.64	17.83				
20	64QAM	50	24	17.92	17.77	17.89	19.2	0		
20	64QAM	50	50	17.96	17.92	17.81				
20	64QAM	100	0	17.38	17.43	17.31				
20	256QAM	1	0	17.92	18.03	17.81	19	0.2		
20	256QAM	1	49	17.80	17.82	17.81				
20	256QAM	1	99	17.55	17.75	17.66				
20	256QAM	50	0	17.73	17.68	17.56	19	0.2		
20	256QAM	50	24	17.95	17.77	17.78				
20	256QAM	50	50	17.78	17.82	17.70				
20	256QAM	100	0	17.74	17.87	17.77				
Channel				43165	43340	43515	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3557.5	3575	3592.5				
15	QPSK	1	0	17.86	17.95	17.73	19.2	0		
15	QPSK	1	37	17.91	17.88	17.71				
15	QPSK	1	74	17.75	17.72	17.85				
15	QPSK	36	0	17.77	17.89	17.86	19.2	0		
15	QPSK	36	20	17.72	17.71	17.62				
15	QPSK	36	39	17.78	17.76	17.62				
15	QPSK	75	0	17.69	17.78	17.67	19.2	0		
15	16QAM	1	0	17.66	17.94	17.79				
15	16QAM	1	37	17.58	17.79	17.57				
15	16QAM	1	74	17.55	17.74	17.44	19.2	0		
15	16QAM	36	0	17.74	17.45	17.75				
15	16QAM	36	20	17.93	17.85	17.57				
15	16QAM	36	39	17.52	17.67	17.62	19.2	0		
15	16QAM	75	0	17.41	17.32	17.29				
15	64QAM	1	0	17.64	17.76	17.83				
15	64QAM	1	37	17.71	17.72	17.83	19.2	0		
15	64QAM	1	74	17.75	17.60	17.53				
15	64QAM	36	0	17.83	17.81	17.96				
15	64QAM	36	20	17.90	17.73	17.94	19.2	0		
15	64QAM	36	39	17.87	17.94	17.84				
15	64QAM	75	0	17.39	17.36	17.47				
15	256QAM	1	0	17.86	18.01	17.72	19	0.2		
15	256QAM	1	37	17.66	17.75	17.73				
15	256QAM	1	74	17.66	17.68	17.66				
15	256QAM	36	0	17.73	17.76	17.60	19	0.2		
15	256QAM	36	20	17.95	17.84	17.80				
15	256QAM	36	39	17.75	17.81	17.72				
15	256QAM	75	0	17.85	17.89	17.72				
Channel				43140	43340	43540	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3555	3575	3595				
10	QPSK	1	0	17.88	17.85	17.70	19.2	0		
10	QPSK	1	25	17.80	17.93	17.83				
10	QPSK	1	49	17.71	17.77	17.78				
10	QPSK	25	0	17.71	17.90	17.83	19.2	0		
10	QPSK	25	12	17.70	17.80	17.58				
10	QPSK	25	25	17.84	17.72	17.66				
10	QPSK	50	0	17.77	17.90	17.68	19.2	0		
10	16QAM	1	0	17.60	17.92	17.86				
10	16QAM	1	25	17.73	17.72	17.55				
10	16QAM	1	49	17.58	17.72	17.52	19.2	0		
10	16QAM	25	0	17.77	17.59	17.67				
10	16QAM	25	12	17.94	17.72	17.57				
10	16QAM	25	25	17.63	17.59	17.58	19.2	0		
10	16QAM	50	0	17.43	17.41	17.37				
10	64QAM	1	0	17.65	17.75	17.96				
10	64QAM	1	25	17.79	17.77	17.94	19.2	0		
10	64QAM	1	49	17.78	17.65	17.59				
10	64QAM	25	0	17.91	17.68	17.87				
10	64QAM	25	12	17.87	17.82	17.93	19.2	0		
10	64QAM	25	25	17.90	17.96	17.76				
10	64QAM	50	0	17.47	17.34	17.28				
10	256QAM	1	0	17.97	17.83	17.78	19	0.2		
10	256QAM	1	25	17.72	17.84	17.81				
10	256QAM	1	49	17.54	17.69	17.80				
10	256QAM	25	0	17.79	17.72	17.55	19	0.2		
10	256QAM	25	12	18.00	17.78	17.68				
10	256QAM	25	25	17.81	17.82	17.60				
10	256QAM	50	0	17.74	17.93	17.71				
Channel				43115	43340	43565	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3552.5	3575	3597.5				
5	QPSK	1	0	17.77	17.93	17.68	19.2	0		
5	QPSK	1	12	17.92	17.88	17.72				
5	QPSK	1	24	17.79	17.69	17.84				
5	QPSK	12	0	17.73	17.89	17.77	19.2	0		
5	QPSK	12	7	17.59	17.81	17.68				
5	QPSK	12	13	17.77	17.73	17.63				
5	QPSK	25	0	17.68	17.89	17.70	19.2	0		
5	16QAM	1	0	17.66	17.97	17.82				
5	16QAM	1	12	17.68	17.77	17.47				
5	16QAM	1	24	17.54	17.66	17.51	19.2	0		
5	16QAM	12	0	17.75	17.58	17.70				
5	16QAM	12	7	17.90	17.73	17.57				
5	16QAM	12	13	17.55	17.61	17.55	19.2	0		
5	16QAM	25	0	17.35	17.27	17.47				
5	64QAM	1	0	17.59	17.75	17.96				
5	64QAM	1	12	17.77	17.72	17.86	19.2	0		
5	64QAM	1	24	17.79	17.61	17.54				
5	64QAM	12	0	17.86	17.68	17.84				
5	64QAM	12	7	17.89	17.79	17.91	19.2	0		
5	64QAM	12	13	17.88	17.86	17.88				
5	64QAM	25	0	17.57	17.28	17.21	19.2	0		
5	256QAM	1	0	17.84	17.81	17.76				
5	256QAM	1	12	17.65	17.74	17.68				
5	256QAM	1	24	17.66	17.65	17.67	19	0.2		
5	256QAM	12	0	17.75	17.72	17.54				
5	256QAM	12	7	17.89	17.83	17.72				
5	256QAM	12	13	17.73	17.80	17.72				
5	256QAM	25	0	17.86	17.91	17.68				

Band 43 Ant 2 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				43590	43990	44390				
Frequency (MHz)				3610	3650	3690				
20	QPSK	1	0	18.05	18.09	17.85	19.2	0		
20	QPSK	1	49	17.75	17.77	17.97				
20	QPSK	1	99	18.06	17.97	17.90				
20	QPSK	50	0	17.74	18.08	17.95				
20	QPSK	50	24	17.67	18.05	17.92	19.2	0		
20	QPSK	50	50	17.95	17.97	17.73				
20	QPSK	100	0	17.94	17.99	17.84				
20	16QAM	1	0	17.72	17.74	17.56				
20	16QAM	1	49	17.80	17.79	17.88	19.2	0		
20	16QAM	1	99	17.86	17.88	17.74				
20	16QAM	50	0	17.53	17.59	17.46				
20	16QAM	50	24	17.70	17.79	17.69				
20	16QAM	50	50	17.67	17.50	17.57	19.2	0		
20	16QAM	100	0	17.81	17.97	17.80				
20	64QAM	1	0	17.78	17.87	18.06				
20	64QAM	1	49	17.85	17.77	17.82	19.2	0		
20	64QAM	1	99	17.74	17.84	17.94				
20	64QAM	50	0	17.49	17.52	17.54				
20	64QAM	50	24	17.49	17.63	17.49				
20	64QAM	50	50	17.40	17.39	17.66	19.2	0		
20	64QAM	100	0	17.73	17.95	17.63				
20	256QAM	1	0	17.63	17.57	17.75				
20	256QAM	1	49	17.59	17.81	17.51	18.4	0.8		
20	256QAM	1	99	17.56	17.66	17.78				
20	256QAM	50	0	17.49	17.70	17.42				
20	256QAM	50	24	17.72	17.59	17.69				
20	256QAM	50	50	17.45	17.70	17.69	18.4	0.8		
20	256QAM	100	0	17.93	17.58	17.82				
Channel				43565	43990	44415	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3607.5	3650	3692.5				
15	QPSK	1	0	18.07	18.02	17.76	19.2	0		
15	QPSK	1	37	17.80	17.60	17.93				
15	QPSK	1	74	17.73	17.59	17.84				
15	QPSK	36	0	17.68	17.69	17.72				
15	QPSK	36	20	17.54	17.79	17.73	19.2	0		
15	QPSK	36	39	17.53	17.82	17.80				
15	QPSK	75	0	17.93	17.82	17.64				
15	16QAM	1	0	17.42	17.47	17.46				
15	16QAM	1	37	17.67	17.57	17.61	19.2	0		
15	16QAM	1	74	17.65	17.74	17.61				
15	16QAM	36	0	17.25	17.54	17.26				
15	16QAM	36	20	17.40	17.52	17.51				
15	16QAM	36	39	17.53	17.41	17.37	19.2	0		
15	16QAM	75	0	17.64	17.63	17.50				
15	64QAM	1	0	17.76	17.64	17.83				
15	64QAM	1	37	17.78	17.58	17.95	19.2	0		
15	64QAM	1	74	17.67	17.63	17.63				
15	64QAM	36	0	17.47	17.57	17.37				
15	64QAM	36	20	17.46	17.51	17.26				
15	64QAM	36	39	17.22	17.34	17.60	19.2	0		
15	64QAM	75	0	17.46	17.66	17.70				
15	256QAM	1	0	17.40	17.42	17.45				
15	256QAM	1	37	17.27	17.56	17.36	18.4	0.8		
15	256QAM	1	74	17.67	17.67	17.61				
15	256QAM	36	0	17.31	17.40	17.29				
15	256QAM	36	20	17.30	17.32	17.56				
15	256QAM	36	39	17.31	17.63	17.49	18.4	0.8		
15	256QAM	75	0	17.53	17.46	17.65				
Channel				43540	43990	44440	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3605	3650	3695				
10	QPSK	1	0	17.96	18.04	17.83	19.2	0		
10	QPSK	1	25	17.82	17.67	17.91				
10	QPSK	1	49	17.85	17.78	17.95				
10	QPSK	25	0	17.65	17.98	17.58				
10	QPSK	25	12	17.52	17.79	17.84	19.2	0		
10	QPSK	25	25	17.71	17.77	17.67				
10	QPSK	50	0	17.95	17.84	17.81				
10	16QAM	1	0	17.42	17.54	17.53				
10	16QAM	1	25	17.63	17.64	17.67	19.2	0		
10	16QAM	1	49	17.64	17.86	17.77				
10	16QAM	25	0	17.38	17.58	17.27				
10	16QAM	25	12	17.31	17.70	17.38				
10	16QAM	25	25	17.44	17.40	17.49	19.2	0		
10	16QAM	50	0	17.73	17.70	17.52				
10	64QAM	1	0	17.61	17.70	17.77				
10	64QAM	1	25	17.62	17.66	17.78				
10	64QAM	1	49	17.64	17.94	17.70	19.2	0		
10	64QAM	25	0	17.29	17.51	17.22				
10	64QAM	25	12	17.23	17.47	17.24				
10	64QAM	25	25	17.21	17.25	17.57				
10	64QAM	50	0	17.63	17.79	17.63	18.4	0.8		
10	256QAM	1	0	17.41	17.54	17.40				
10	256QAM	1	25	17.34	17.49	17.46				
10	256QAM	1	49	17.66	17.72	17.45				
10	256QAM	25	0	17.40	17.57	17.32	18.4	0.8		
10	256QAM	25	12	17.33	17.33	17.57				
10	256QAM	25	25	17.36	17.51	17.64				
10	256QAM	50	0	17.72	17.35	17.70				
Channel				43515	43990	44465	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3602.5	3650	3697.5				
5	QPSK	1	0	18.07	18.01	17.81	19.2	0		
5	QPSK	1	12	17.81	17.63	17.93				
5	QPSK	1	24	17.86	17.65	18.00				
5	QPSK	12	0	17.78	17.97	17.63				
5	QPSK	12	7	17.53	17.92	17.71	19.2	0		
5	QPSK	12	13	17.62	17.76	17.65				
5	QPSK	25	0	17.98	17.81	17.79				
5	16QAM	1	0	17.49	17.47	17.49				
5	16QAM	1	12	17.66	17.74	17.58	19.2	0		
5	16QAM	1	24	17.68	17.68	17.60				
5	16QAM	12	0	17.26	17.58	17.22				
5	16QAM	12	7	17.40	17.48	17.33				
5	16QAM	12	13	17.47	17.33	17.40	19.2	0		
5	16QAM	25	0	17.82	17.72	17.57				
5	64QAM	1	0	17.79	17.66	17.98				
5	64QAM	1	12	17.61	17.62	17.75				
5	64QAM	1	24	17.60	17.72	17.78	19.2	0		
5	64QAM	12	0	17.46	17.67	17.29				
5	64QAM	12	7	17.44	17.47	17.36				
5	64QAM	12	13	17.21	17.24	17.55				
5	64QAM	25	0	17.62	17.73	17.48	18.4	0.8		
5	256QAM	1	0	17.56	17.52	17.56	18.4	0.8		
5	256QAM	1	12	17.43	17.54	17.32				
5	256QAM	1	24	17.64	17.62	17.61				
5	256QAM	12	0	17.31	17.50	17.42				
5	256QAM	12	7	17.25	17.51	17.59	18.4	0.8		
5	256QAM	12	13	17.24	17.43	17.60				
5	256QAM	25	0	17.55	17.42	17.57				

Reduced Power for DSI 4

Band 42 Part96 Ant2 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				43190	43340	43490	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3560	3575	3590			
20	QPSK	1	0	21.27	21.55	21.16	22.5	0	
20	QPSK	1	49	21.32	21.33	21.17			
20	QPSK	1	99	21.21	21.25	21.17			
20	QPSK	50	0	21.33	21.37	21.29	22	0.5	
20	QPSK	50	24	21.18	21.40	21.18			
20	QPSK	50	50	21.16	21.24	21.24			
20	QPSK	100	0	20.30	20.33	20.29	22	0.5	
20	16QAM	1	0	21.13	21.26	21.17			
20	16QAM	1	49	21.14	21.19	21.08			
20	16QAM	1	99	21.01	21.23	21.04	22	0.5	
20	16QAM	50	0	21.36	21.12	21.21			
20	16QAM	50	24	21.29	21.22	21.28			
20	16QAM	50	50	21.08	21.20	21.01	21.5	1	
20	16QAM	100	0	19.56	19.90	19.52			
20	64QAM	1	0	21.25	21.40	21.35			
20	64QAM	1	49	21.39	21.29	21.28	22	0.5	
20	64QAM	1	99	21.08	21.25	21.11			
20	64QAM	50	0	20.24	20.15	19.98			
20	64QAM	50	24	20.19	20.04	20.18	20.5	2	
20	64QAM	50	50	20.12	20.34	20.12			
20	64QAM	100	0	18.66	18.56	18.73			
20	256QAM	1	0	18.31	18.37	18.33	19	3.5	
20	256QAM	1	49	18.27	18.34	18.20			
20	256QAM	1	99	18.13	18.27	18.10			
20	256QAM	50	0	18.19	18.30	18.16	19	3.5	
20	256QAM	50	24	18.37	18.33	18.32			
20	256QAM	50	50	18.14	18.21	18.15			
20	256QAM	100	0	18.32	18.37	18.32			
Channel				43165	43340	43515	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3557.5	3575	3592.5			
15	QPSK	1	0	21.31	21.45	21.16	22.5	0	
15	QPSK	1	37	21.26	21.23	21.20			
15	QPSK	1	74	21.19	21.29	21.17			
15	QPSK	36	0	21.23	21.37	21.21	22	0.5	
15	QPSK	36	20	21.28	21.29	21.22			
15	QPSK	36	39	21.13	21.31	21.15			
15	QPSK	75	0	20.34	20.28	20.21	22	0.5	
15	16QAM	1	0	21.19	21.24	21.24			
15	16QAM	1	37	21.09	21.27	21.17			
15	16QAM	1	74	21.10	21.19	21.01	21.5	1	
15	16QAM	36	0	21.35	21.11	21.20			
15	16QAM	36	20	21.29	21.19	21.20			
15	16QAM	36	39	21.14	21.18	21.03	22	0.5	
15	16QAM	75	0	21.36	21.40	21.31			
15	64QAM	1	0	21.20	21.33	21.36			
15	64QAM	1	37	21.27	21.43	21.27	20.5	2	
15	64QAM	1	74	21.20	21.28	21.14			
15	64QAM	36	0	20.24	20.02	20.00			
15	64QAM	36	20	20.21	20.02	20.08	19	3.5	
15	64QAM	36	39	20.18	20.29	20.11			
15	64QAM	75	0	20.33	20.48	20.45			
15	256QAM	1	0	18.39	18.36	18.35	19	3.5	
15	256QAM	1	37	18.19	18.42	18.24			
15	256QAM	1	74	18.19	18.20	18.13			
15	256QAM	36	0	18.15	18.30	18.25	19	3.5	
15	256QAM	36	20	18.28	18.30	18.29			
15	256QAM	36	39	18.20	18.29	18.16			
15	256QAM	75	0	18.22	18.32	18.39			
Channel				43140	43340	43540	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3555	3575	3595			
10	QPSK	1	0	21.23	21.49	21.21	22.5	0	
10	QPSK	1	25	21.32	21.25	21.24			
10	QPSK	1	49	21.25	21.35	21.25			
10	QPSK	25	0	21.32	21.42	21.32	22	0.5	
10	QPSK	25	12	21.29	21.31	21.32			
10	QPSK	25	25	21.20	21.23	21.13			
10	QPSK	50	0	20.22	20.38	20.29	22	0.5	
10	16QAM	1	0	21.14	21.27	21.27			
10	16QAM	1	25	21.13	21.19	21.16			
10	16QAM	1	49	21.09	21.15	21.00	21.5	1	
10	16QAM	25	0	21.37	21.15	21.14			
10	16QAM	25	12	21.26	21.14	21.15			
10	16QAM	25	25	21.00	21.24	21.08	22	0.5	
10	16QAM	50	0	21.30	21.46	21.26			
10	64QAM	1	0	21.25	21.26	21.27			
10	64QAM	1	25	21.30	21.39	21.28	22	0.5	
10	64QAM	1	49	21.22	21.23	21.18			
10	64QAM	25	0	20.12	20.06	20.00			
10	64QAM	25	12	20.22	20.01	20.14	20.5	2	
10	64QAM	25	25	20.20	20.28	20.09			
10	64QAM	50	0	20.43	20.50	20.40			
10	256QAM	1	0	18.38	18.47	18.34	19	3.5	
10	256QAM	1	25	18.29	18.31	18.14			
10	256QAM	1	49	18.19	18.29	18.21			
10	256QAM	25	0	18.21	18.28	18.26	19	3.5	
10	256QAM	25	12	18.37	18.42	18.38			
10	256QAM	25	25	18.14	18.30	18.20			
10	256QAM	50	0	18.31	18.42	18.27			
Channel				43115	43340	43565	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3552.5	3575	3597.5			
5	QPSK	1	0	21.32	21.43	21.24	22.5	0	
5	QPSK	1	12	21.26	21.33	21.22			
5	QPSK	1	24	21.12	21.28	21.23			
5	QPSK	12	0	21.29	21.35	21.26	22	0.5	
5	QPSK	12	7	21.23	21.39	21.26			
5	QPSK	12	13	21.22	21.32	21.16			
5	QPSK	25	0	20.33	20.35	20.35	22	0.5	
5	16QAM	1	0	21.13	21.33	21.24			
5	16QAM	1	12	21.13	21.31	21.14			
5	16QAM	1	24	21.05	21.22	21.09	21.5	1	
5	16QAM	12	0	21.35	21.14	21.14			
5	16QAM	12	7	21.24	21.16	21.17			
5	16QAM	12	13	21.10	21.23	21.07	22	0.5	
5	16QAM	25	0	21.29	21.40	21.34			
5	64QAM	1	0	21.24	21.25	21.22			
5	64QAM	1	12	21.36	21.31	21.38	22	0.5	
5	64QAM	1	24	21.23	21.27	21.19			
5	64QAM	12	0	20.19	20.11	20.06			
5	64QAM	12	7	20.19	20.09	20.12	20.5	2	
5	64QAM	12	13	20.09	20.30	20.19			
5	64QAM	25	0	20.39	20.49	20.39			
5	256QAM	1	0	18.27	18.45	18.35	19	3.5	
5	256QAM	1	12	18.19	18.36	18.16			
5	256QAM	1	24	18.11	18.16	18.09			
5	256QAM	12	0	18.19	18.27	18.19	19	3.5	
5	256QAM	12	7	18.28	18.30	18.34			
5	256QAM	12	13	18.21	18.33	18.09			
5	256QAM	25	0	18.24	18.36	18.33			

Band 43 Ant2 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				43590	43990	44390			
Frequency (MHz)				3610	3650	3690			
20	QPSK	1	0	21.56	21.72	21.64	22.5	0	
20	QPSK	1	49	21.53	21.57	21.42			
20	QPSK	1	99	21.56	21.60	21.54			
20	QPSK	50	0	21.62	21.68	21.64			
20	QPSK	50	24	21.61	21.66	21.54	22	0.5	
20	QPSK	50	50	21.55	21.61	21.53			
20	QPSK	100	0	20.53	20.62	20.50			
20	16QAM	1	0	21.48	21.55	21.47			
20	16QAM	1	49	21.50	21.57	21.44	22	0.5	
20	16QAM	1	99	21.46	21.60	21.51			
20	16QAM	50	0	21.40	21.44	21.33			
20	16QAM	50	24	21.34	21.43	21.38			
20	16QAM	50	60	21.38	21.45	21.30	21.5	1	
20	16QAM	100	0	19.56	19.63	19.58			
20	64QAM	1	0	21.57	21.65	21.52			
20	64QAM	1	49	21.55	21.63	21.52	22	0.5	
20	64QAM	1	99	21.60	21.66	21.61			
20	64QAM	50	0	20.40	20.46	20.36			
20	64QAM	50	24	20.33	20.46	20.36			
20	64QAM	50	60	20.44	20.48	20.36	20.5	2	
20	64QAM	100	0	18.57	18.64	18.53			
20	256QAM	1	0	18.43	18.47	18.35			
20	256QAM	1	49	18.44	18.58	18.48			
20	256QAM	1	99	18.36	18.48	18.39	19	3.5	
20	256QAM	50	0	18.52	18.62	18.51			
20	256QAM	50	24	18.57	18.64	18.57			
20	256QAM	50	50	18.48	18.63	18.55			
20	256QAM	100	0	18.52	18.60	18.54	Tune-up limit (dBm)	MPR (dB)	
Channel				43590	43990	44415			
Frequency (MHz)				3607.5	3650	3692.5			
15	QPSK	1	0	21.54	21.67	21.60	22.5	0	
15	QPSK	1	37	21.33	21.44	21.45			
15	QPSK	1	74	21.37	21.57	21.47			
15	QPSK	36	0	21.49	21.58	21.48			
15	QPSK	36	20	21.48	21.55	21.47	22	0.5	
15	QPSK	36	39	21.48	21.53	21.37			
15	QPSK	75	0	21.45	21.55	21.42			
15	16QAM	1	0	21.45	21.41	21.39			
15	16QAM	1	37	21.44	21.46	21.33	22	0.5	
15	16QAM	1	74	21.42	21.56	21.41			
15	16QAM	36	0	21.21	21.34	21.25			
15	16QAM	36	20	21.28	21.36	21.28	21.5	1	
15	16QAM	36	39	21.31	21.34	21.30			
15	16QAM	75	0	21.23	21.39	21.26			
15	64QAM	1	0	21.48	21.56	21.47			
15	64QAM	1	37	21.45	21.59	21.46	22	0.5	
15	64QAM	1	74	21.48	21.59	21.47			
15	64QAM	36	0	20.32	20.34	20.25			
15	64QAM	36	20	20.19	20.41	20.25			
15	64QAM	36	39	20.34	20.44	20.33	20.5	2	
15	64QAM	75	0	20.26	20.37	20.28			
15	256QAM	1	0	18.25	18.34	18.31			
15	256QAM	1	37	18.43	18.54	18.43			
15	256QAM	1	74	18.28	18.45	18.32	19	3.5	
15	256QAM	36	0	18.39	18.51	18.46			
15	256QAM	36	20	18.40	18.55	18.54			
15	256QAM	36	39	18.39	18.50	18.36			
15	256QAM	75	0	18.48	18.55	18.44	Tune-up limit (dBm)	MPR (dB)	
Channel				43540	43990	44440			
Frequency (MHz)				3605	3650	3695			
10	QPSK	1	0	21.53	21.59	21.49	22.5	0	
10	QPSK	1	25	21.37	21.51	21.45			
10	QPSK	1	49	21.41	21.53	21.52			
10	QPSK	25	0	21.46	21.55	21.49			
10	QPSK	25	12	21.46	21.61	21.41	22	0.5	
10	QPSK	25	25	21.41	21.52	21.45			
10	QPSK	50	0	21.51	21.54	21.42			
10	16QAM	1	0	21.35	21.44	21.43			
10	16QAM	1	25	21.47	21.52	21.42	22	0.5	
10	16QAM	1	49	21.41	21.55	21.49			
10	16QAM	25	0	21.16	21.31	21.17			
10	16QAM	25	12	21.21	21.39	21.32	21.5	1	
10	16QAM	25	25	21.36	21.39	21.28			
10	16QAM	50	0	21.23	21.32	21.28			
10	64QAM	1	0	21.40	21.59	21.53			
10	64QAM	1	25	21.50	21.53	21.49	22	0.5	
10	64QAM	1	49	21.49	21.56	21.54			
10	64QAM	25	0	20.27	20.31	20.21			
10	64QAM	25	12	20.17	20.39	20.22			
10	64QAM	25	25	20.31	20.34	20.34	20.5	2	
10	64QAM	50	0	20.50	20.50	20.44			
10	256QAM	1	0	18.26	18.38	18.27			
10	256QAM	1	25	18.40	18.43	18.39	19	3.5	
10	256QAM	1	49	18.32	18.38	18.24			
10	256QAM	25	0	18.37	18.56	18.45			
10	256QAM	25	12	18.41	18.52	18.56			
10	256QAM	25	25	18.41	18.54	18.41	19	3.5	
10	256QAM	50	0	18.52	18.47	18.41			
Channel				43515	43990	44465	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3602.5	3650	3697.5			
5	QPSK	1	0	21.54	21.63	21.57			
5	QPSK	1	12	21.41	21.51	21.37			
5	QPSK	1	24	21.39	21.56	21.45	22.5	0	
5	QPSK	12	0	21.46	21.64	21.45			
5	QPSK	12	7	21.52	21.57	21.41			
5	QPSK	12	13	21.41	21.64	21.46	22	0.5	
5	QPSK	25	0	21.49	21.59	21.43			
5	16QAM	1	0	21.45	21.40	21.34			
5	16QAM	1	12	21.41	21.45	21.41	22	0.5	
5	16QAM	1	24	21.43	21.56	21.42			
5	16QAM	12	0	21.18	21.31	21.18			
5	16QAM	12	7	21.25	21.38	21.28	21.5	1	
5	16QAM	12	13	21.26	21.38	21.24			
5	16QAM	25	0	21.32	21.33	21.22			
5	64QAM	1	0	21.38	21.57	21.53			
5	64QAM	1	12	21.47	21.54	21.51	22	0.5	
5	64QAM	1	24	21.52	21.58	21.49			
5	64QAM	12	0	20.33	20.32	20.26			
5	64QAM	12	7	20.24	20.34	20.22			
5	64QAM	12	13	20.31	20.35	20.37	20.5	2	
5	64QAM	25	0	20.29	20.41	20.24			
5	256QAM	1	0	18.27	18.33	18.37			
5	256QAM	1	12	18.38	18.47	18.46	19	3.5	
5	256QAM	1	24	18.30	18.33	18.32			
5	256QAM	12	0	18.42	18.53	18.46			
5	256QAM	12	7	18.45	18.50	18.56			
5	256QAM	12	13	18.46	18.51	18.42	19	3.5	
5	256QAM	25	0	18.45	18.54	18.45			

Band 48 Ant2 DSI4									
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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	21.83	21.85	21.64	21.72	22.5	0
20	QPSK	1	49	21.66	21.69	21.62	21.61		
20	QPSK	1	99	21.63	21.73	21.69	21.69		
20	QPSK	50	0	21.65	21.75	21.69	21.64		
20	QPSK	50	24	21.61	21.73	21.63	21.68	22	0.5
20	QPSK	50	50	21.68	21.71	21.66	21.66		
20	QPSK	100	0	20.70	20.74	20.69	20.62		
20	16QAM	1	0	21.54	21.63	21.54	21.50		
20	16QAM	1	49	21.57	21.68	21.62	21.64	22	0.5
20	16QAM	1	99	21.49	21.60	21.55	21.46		
20	16QAM	50	0	21.32	21.46	21.38	21.34		
20	16QAM	50	24	21.33	21.47	21.35	21.35		
20	16QAM	50	50	21.37	21.39	21.36	21.29	21.5	1
20	16QAM	100	0	19.69	19.76	19.63	19.63		
20	16QAM	1	0	21.66	21.74	21.59	21.66		
20	16QAM	1	49	21.63	21.68	21.54	21.58		
20	16QAM	1	99	21.65	21.70	21.62	21.65	22	0.5
20	16QAM	50	0	20.28	20.46	20.32	20.35		
20	16QAM	50	24	20.24	20.35	20.30	20.27		
20	16QAM	50	50	20.26	20.32	20.21	20.31		
20	16QAM	100	0	18.76	18.80	18.73	18.71	20.5	2
20	256QAM	1	0	18.72	18.78	18.69	18.72		
20	256QAM	1	49	18.64	18.69	18.59	18.54		
20	256QAM	1	99	18.59	18.72	18.62	18.66		
20	256QAM	50	0	18.57	18.71	18.63	18.57	19	3.5
20	256QAM	50	24	18.57	18.64	18.56	18.51		
20	256QAM	50	50	18.61	18.66	18.52	18.55		
20	256QAM	100	0	18.73	18.76	18.65	18.68		
Channel				55315	55920	56180	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	21.72	21.76	21.50	21.61	22.5	0
15	QPSK	1	37	21.59	21.65	21.47	21.55		
15	QPSK	1	74	21.59	21.68	21.60	21.65		
15	QPSK	36	0	21.55	21.64	21.59	21.59		
15	QPSK	36	20	21.46	21.58	21.57	21.57	22	0.5
15	QPSK	36	39	21.57	21.66	21.53	21.57		
15	QPSK	75	0	21.63	21.64	21.55	21.50		
15	16QAM	1	0	21.49	21.59	21.44	21.39		
15	16QAM	1	37	21.51	21.61	21.52	21.58	22	0.5
15	16QAM	1	74	21.39	21.50	21.48	21.32		
15	16QAM	36	0	21.22	21.40	21.30	21.22		
15	16QAM	36	20	21.31	21.39	21.24	21.26		
15	16QAM	36	39	21.21	21.29	21.29	21.10	21.5	1
15	16QAM	75	0	21.28	21.42	21.21	21.33		
15	16QAM	1	0	21.59	21.65	21.50	21.51		
15	16QAM	1	37	21.50	21.61	21.41	21.51		
15	16QAM	1	74	21.54	21.56	21.57	21.54	22	0.5
15	16QAM	36	0	20.40	20.40	20.32	20.32		
15	16QAM	36	20	20.27	20.39	20.31	20.30		
15	16QAM	36	39	20.25	20.33	20.27	20.31		
15	16QAM	75	0	20.48	20.49	20.39	20.34	20.5	2
15	256QAM	1	0	18.61	18.66	18.59	18.59		
15	256QAM	1	37	18.58	18.56	18.55	18.44		
15	256QAM	1	74	18.46	18.69	18.58	18.60		
15	256QAM	36	0	18.52	18.61	18.59	18.52	19	3.5
15	256QAM	36	20	18.44	18.49	18.48	18.41		
15	256QAM	36	39	18.48	18.53	18.48	18.51		
15	256QAM	75	0	18.62	18.63	18.53	18.58		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565	3607.5	3642.5	3695		
10	QPSK	1	0	21.71	21.74	21.49	21.60	22.5	0
10	QPSK	1	25	21.54	21.63	21.52	21.53		
10	QPSK	1	49	21.55	21.63	21.61	21.56		
10	QPSK	25	0	21.53	21.69	21.60	21.50		
10	QPSK	25	12	21.48	21.64	21.55	21.61	22	0.5
10	QPSK	25	25	21.54	21.58	21.62	21.58		
10	QPSK	50	0	21.57	21.63	21.61	21.56		
10	16QAM	1	0	21.41	21.55	21.44	21.42		
10	16QAM	1	25	21.51	21.53	21.51	21.60	22	0.5
10	16QAM	1	49	21.38	21.45	21.44	21.33		
10	16QAM	25	0	21.28	21.46	21.40	21.37		
10	16QAM	25	12	21.27	21.46	21.36	21.33		
10	16QAM	25	25	21.42	21.43	21.35	21.33	21.5	1
10	16QAM	50	0	21.40	21.41	21.37	21.35		
10	16QAM	1	0	21.52	21.64	21.46	21.55		
10	16QAM	1	25	21.52	21.58	21.41	21.44		
10	16QAM	1	49	21.62	21.58	21.49	21.60	22	0.5
10	16QAM	25	0	20.30	20.41	20.21	20.44		
10	16QAM	25	12	20.36	20.41	20.34	20.22		
10	16QAM	25	25	20.28	20.28	20.28	20.23		
10	16QAM	50	0	20.41	20.46	20.41	20.38	20.5	2
10	256QAM	1	0	18.64	18.70	18.62	18.61		
10	256QAM	1	25	18.53	18.59	18.55	18.51		
10	256QAM	1	49	18.45	18.63	18.51	18.60		
10	256QAM	25	0	18.46	18.65	18.59	18.48	19	3.5
10	256QAM	25	12	18.44	18.50	18.42	18.42		
10	256QAM	25	25	18.53	18.57	18.48	18.46		
10	256QAM	50	0	18.67	18.64	18.51	18.63		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	21.79	21.75	21.50	21.63	22.5	0
5	QPSK	1	12	21.60	21.66	21.53	21.63		
5	QPSK	1	24	21.53	21.59	21.63	21.61		
5	QPSK	12	0	21.62	21.71	21.62	21.59		
5	QPSK	12	7	21.54	21.61	21.57	21.63	22	0.5
5	QPSK	12	13	21.65	21.57	21.61	21.56		
5	QPSK	25	0	21.56	21.61	21.63	21.56		
5	16QAM	1	0	21.48	21.51	21.45	21.40		
5	16QAM	1	12	21.43	21.56	21.57	21.60	22	0.5
5	16QAM	1	24	21.44	21.55	21.46	21.43		
5	16QAM	12	0	21.32	21.43	21.34	21.41		
5	16QAM	12	7	21.26	21.45	21.38	21.26		
5	16QAM	12	13	21.38	21.43	21.37	21.26	21.5	1
5	16QAM	25	0	21.35	21.42	21.31	21.36		
5	16QAM	1	0	21.56	21.61	21.53	21.56		
5	16QAM	1	12	21.57	21.56	21.44	21.55		
5	16QAM	1	24	21.59	21.60	21.50	21.58	22	0.5
5	16QAM	12	0	20.38	20.38	20.24	20.38		
5	16QAM	12	7	20.23	20.38	20.25	20.21		
5	16QAM	12	13	20.21	20.33	20.30	20.31		
5	16QAM	25	0	20.43	20.47	20.41	20.46	20.5	2
5	256QAM	1	0	18.64	18.71	18.58	18.57		
5	256QAM	1	12	18.51	18.65	18.56	18.48		
5	256QAM	1	24	18.49	18.64	18.56	18.55		
5	256QAM	12	0	18.49	18.62	18.49	18.46	19	3.5
5	256QAM	12	7	18.46	18.51	18.43	18.40		
5	256QAM	12	13	18.55	18.59	18.39	18.46		
5	256QAM	25	0	18.59	18.71	18.55	18.54		

Reduced Power for DSI 6

GSM850 ANT0				Tune-up			
Burst Average Power (dBm)		Limit		Frame Average Power (dBm)		Limit	
TX Channel	128	180	261	128	180	251	Limit (dBm)
Frequency (MHz)	824.2	836.4	848.8	824.2	836.4	848.8	
GSM 1 Tx slot	32.66	32.75	32.55	33.50	23.66	23.75	23.55
GPRS 1 Tx slot	32.66	32.74	32.43	33.50	23.56	23.74	23.43
GPRS 2 Tx slots	29.78	29.98	29.66	31.00	23.78	23.98	23.66
GPRS 3 Tx slots	28.12	28.11	27.94	29.00	23.86	23.85	23.68
GPRS 4 Tx slots	26.63	26.78	26.37	27.00	23.63	23.78	23.37
EDGE 1 Tx slot	25.74	25.82	25.82	26.50	16.74	16.82	16.62
EDGE 2 Tx slots	24.06	24.16	23.93	25.00	18.06	18.16	17.93
EDGE 3 Tx slots	22.77	22.82	22.59	23.50	18.51	18.56	18.33
EDGE 4 Tx slots	20.76	20.80	20.65	22.00	17.76	17.80	17.65

GSM1900 ANT0				Tune-up			
Burst Average Power (dBm)		Limit		Frame Average Power (dBm)		Limit	
TX Channel	512	661	810	512	661	810	Limit (dBm)
Frequency (MHz)	1500.2	1500	1500.8	1500.2	1500	1500.8	
GSM 1 Tx slot	28.00	28.04	27.91	28.70	19.00	19.04	18.91
GPRS 1 Tx slot	28.03	28.07	27.92	28.70	19.03	19.07	18.92
GPRS 2 Tx slots	24.57	24.76	24.75	25.70	18.57	18.76	18.75
GPRS 3 Tx slots	22.74	23.06	22.68	23.90	18.48	18.80	18.42
GPRS 4 Tx slots	21.45	21.68	21.61	22.70	18.45	18.68	18.61
EDGE 1 Tx slot	24.51	24.50	24.40	25.50	15.51	15.50	15.40
EDGE 2 Tx slots	22.91	22.85	22.74	24.00	15.91	15.85	15.74
EDGE 3 Tx slots	21.52	21.96	21.67	23.00	17.26	17.70	17.41
EDGE 4 Tx slots	19.44	19.68	19.39	20.50	16.44	16.68	16.39

		WCDMA 8 Ant0 DSI6				WCDMA 4 Ant0 DSI6				WCDMA 4 Ant0 DSI6			
Band		WCDMA 8 ANT0			Tune-up Limit (dBm)	WCDMA 4 ANT0			Tune-up Limit (dBm)	WCDMA 4 ANT0			Tune-up Limit (dBm)
TX Channel		9262	9400	9538	1312	1413	1513	4132	4182	4233			
RX Channel		9602	9800	9938	1557	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	21.39	21.44	21.27	22.90	21.25	21.36	21.30	22.70	23.07	23.16	23.02	24.00
3GPP Rel 99	RMC 12.2Kbps	21.51	21.52	21.33	22.90	21.33	21.46	21.43	22.70	23.26	23.32	23.14	24.00
3GPP Rel 6	HSDPA Subtest-1	20.59	20.66	20.67	21.90	20.52	20.61	20.54	21.70	22.24	22.30	22.25	23.00
3GPP Rel 6	HSDPA Subtest-2	20.43	20.54	20.58	21.90	20.38	20.52	20.51	21.70	22.11	22.22	22.23	23.00
3GPP Rel 6	HSDPA Subtest-3	20.10	20.19	19.91	21.40	20.02	20.11	19.93	21.20	21.74	21.83	21.74	22.50
3GPP Rel 6	HSDPA Subtest-4	20.07	20.19	20.16	21.40	20.01	20.05	20.06	21.20	21.72	21.78	21.75	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	20.63	20.79	20.58	21.90	20.54	20.72	20.44	21.70	22.23	22.42	22.20	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	20.77	20.71	20.65	21.90	20.70	20.62	20.67	21.70	22.45	22.34	22.32	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	20.17	20.30	20.22	21.40	20.10	20.24	20.14	21.20	21.77	21.91	21.83	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	20.20	20.19	19.91	21.40	20.15	20.20	19.79	21.20	21.88	21.67	21.53	22.50
3GPP Rel 6	HSUPA Subtest-1	20.74	20.66	20.46	21.90	20.63	20.64	20.45	21.70	22.37	22.33	22.16	23.00
3GPP Rel 6	HSUPA Subtest-2	18.73	18.85	18.54	19.90	18.60	18.73	18.46	19.70	20.33	20.43	20.13	21.00
3GPP Rel 6	HSUPA Subtest-3	19.47	19.67	19.63	20.90	19.33	19.63	19.57	20.70	21.09	21.30	21.30	22.00
3GPP Rel 6	HSUPA Subtest-4	18.34	18.46	18.43	19.90	18.34	18.41	18.30	19.70	20.02	20.16	20.04	21.00
3GPP Rel 6	HSUPA Subtest-5	20.24	20.50	20.54	21.90	20.21	20.43	20.46	21.70	21.91	22.18	22.13	23.00





Band 12 Ant0 DSI6												
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch./Fires	Power Mid Ch./Fires	Power High Ch./Fires	Turn-up Init. (sec)	MPR (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.87	22.52	22.79			24	0		
10	QPSK	1	25	22.79	22.69	22.82						
10	QPSK	25	0	22.73	22.68	22.76			24	0		
10	QPSK	25	26	22.84	22.60	22.73						
10	QPSK	25	12	22.68	22.79	22.74			24	0		
10	QPSK	50	0	22.86	22.66	22.82						
10	16QAM	1	0	22.75	22.65	22.81			24	0		
10	16QAM	1	25	22.67	22.66	22.69						
10	16QAM	1	49	22.59	22.60	22.58			23.5	0.5		
10	16QAM	50	0	22.36	22.44	22.40						
10	16QAM	25	12	22.29	22.34	22.32			23.5	0.5		
10	16QAM	25	26	22.33	22.33	22.13						
10	8QAM	1	0	22.40	22.55	22.43			23.5	0.5		
10	8QAM	1	25	22.36	22.35	22.35						
10	8QAM	1	49	22.39	22.38	22.30			22.5	1.5		
10	8QAM	25	12	21.23	21.28	21.24						
10	8QAM	25	26	21.21	21.21	21.22			20.5	3.5		
10	8QAM	50	0	21.36	21.41	21.38						
10	256QAM	1	0	19.46	19.48	19.46			20.5	3.5		
10	256QAM	1	25	19.39	19.45	19.35						
10	256QAM	25	0	19.34	19.44	19.35			20.5	3.5		
10	256QAM	25	12	19.31	19.34	19.27						
10	256QAM	25	26	19.35	19.35	19.24			20.5	3.5		
10	256QAM	50	0	19.38	19.37	19.38						
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.83	22.63	22.68			24	0		
5	QPSK	1	12	22.76	22.77	22.78						
5	QPSK	1	24	22.68	22.69	22.68			24	0		
5	QPSK	12	7	22.74	22.61	22.63						
5	QPSK	12	7	22.66	22.74	22.62			24	0		
5	QPSK	12	13	22.59	22.59	22.63						
5	16QAM	1	0	22.74	22.77	22.79			24	0		
5	16QAM	1	12	22.63	22.65	22.56						
5	16QAM	1	49	22.69	22.69	22.63			23.5	0.5		
5	16QAM	12	7	22.21	22.26	22.21						
5	16QAM	12	13	22.22	22.27	22.28			23.5	0.5		
5	16QAM	25	0	22.23	22.35	22.28						
5	8QAM	1	0	22.29	22.44	22.36			22.5	1.5		
5	8QAM	1	12	22.26	22.32	22.15						
5	8QAM	12	0	21.23	21.39	21.30			20.5	3.5		
5	8QAM	12	13	21.14	21.12	21.09						
5	256QAM	1	0	19.37	19.45	19.36			20.5	3.5		
5	256QAM	1	24	19.27	19.31	19.32						
5	256QAM	1	49	19.28	19.28	19.27			20.5	3.5		
5	256QAM	12	7	19.25	19.24	19.24						
5	256QAM	12	13	19.26	19.11	19.16			20.5	3.5		
5	256QAM	25	0	19.29	19.30	19.27						
Channel												
Frequency (MHz)												
3	QPSK	1	0	22.83	22.60	22.72			24	0		
3	QPSK	1	14	22.62	22.67	22.70						
3	QPSK	8	0	22.79	22.77	22.69			24	0		
3	QPSK	8	7	22.64	22.61	22.54						
3	QPSK	16	0	22.80	22.77	22.73			24	0		
3	16QAM	1	0	22.63	22.77	22.70						
3	16QAM	1	8	22.65	22.61	22.59			23.5	0.5		
3	16QAM	8	4	22.18	22.46	22.54						
3	16QAM	16	0	22.39	22.39	22.39			23.5	0.5		
3	8QAM	1	0	22.32	22.45	22.30						
3	8QAM	1	8	22.29	22.25	22.24			22.5	1.5		
3	8QAM	1	14	22.28	22.29	22.18						
3	8QAM	8	0	21.25	21.41	21.30			20.5	3.5		
3	8QAM	8	4	21.18	21.15	21.15						
3	8QAM	16	0	21.27	21.35	21.33			20.5	3.5		
3	256QAM	1	0	19.48	19.58	19.42						
3	256QAM	1	8	19.31	19.35	19.36			20.5	3.5		
3	256QAM	8	0	19.28	19.40	19.32						
3	256QAM	8	4	19.22	19.36	19.32			20.5	3.5		
3	256QAM	8	7	19.10	19.18	19.14						
3	256QAM	16	0	19.24	19.25	19.14			20.5	3.5		
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	22.81	22.62	22.67					24	0
1.4	QPSK	1	3	22.66	22.70	22.73						
1.4	QPSK	1	5	22.59	22.75	22.69			24	0		
1.4	QPSK	3	0	22.77	22.60	22.60						
1.4	QPSK	3	1	22.60	22.79	22.67			24	0		
1.4	QPSK	6	0	22.61	22.65	22.64						
1.4	16QAM	1	0	22.79	22.78	22.77			24	0		
1.4	16QAM	1	3	22.63	22.78	22.71						
1.4	16QAM	1	5	22.59	22.52	22.66			23.5	0.5		
1.4	16QAM	3	0	22.53	22.59	22.60						
1.4	16QAM	3	1	22.21	22.43	22.28			23.5	0.5		
1.4	16QAM	3	1	22.20	22.28	22.21						
1.4	16QAM	3	1	22.26	22.21	22.00			22.5	1.5		
1.4	16QAM	6	0	22.32	22.41	22.31						
1.4	8QAM	1	0	22.35	22.51	22.37			23.5	0.5		
1.4	8QAM	1	5	22.29	22.27	22.30						
1.4	8QAM	1	5	22.23	22.34	22.18			23.5	0.5		
1.4	8QAM	3	0	22.27	22.34	22.31						
1.4	8QAM	3	1	22.10	22.22	22.16			22.5	1.5		
1.4	8QAM	3	3	22.14	22.08	22.13						
1.4	256QAM	1	0	19.23	19.30	19.25			20.5	3.5		
1.4	256QAM	1	5	19.40	19.30	19.40						
1.4	256QAM	1	5	19.41	19.37	19.39			20.5	3.5		
1.4	256QAM	1	5	19.35	19.41	19.24						
1.4	256QAM	3	0	19.22	19.29	19.21			20.5	3.5		
1.4	256QAM	3	1	19.21	19.24	19.20						
1.4	256QAM	3	3	19.06	19.11	19.20			20.5	3.5		
1.4	256QAM	6	0	19.29	19.28	19.32						

Band 13 Ant0 DSI6									
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch./Fires	Power Mid Ch./Fires	Power High Ch./Fires	Turn-on Init. (sec)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.52	22.62	22.58		24	0
10	QPSK	1	25	22.38	22.48	22.42			
10	QPSK	1	49	22.33	22.43	22.37		24	0
10	QPSK	25	0	22.45	22.45	22.45			
10	QPSK	25	12	22.41	22.41	22.41		24	0
10	QPSK	25	26	22.31	22.31	22.31			
10	QPSK	50	0	22.38	22.38	22.38		24	0
10	16QAM	1	0	22.45	22.45	22.45			
10	16QAM	1	25	22.37	22.37	22.37		23.5	0.5
10	16QAM	1	49	22.30	22.30	22.30			
10	16QAM	25	0	22.07	22.07	22.07		23.5	0.5
10	16QAM	25	12	21.98	22.05	22.05			
10	16QAM	25	26	21.80	21.80	21.80		22.5	1.5
10	16QAM	50	0	21.93	21.93	21.93			
10	16QAM	1	0	21.91	21.91	21.91		20.5	3.5
10	16QAM	1	25	21.87	21.87	21.87			
10	16QAM	1	49	21.80	21.80	21.80		20.5	3.5
10	16QAM	25	0	21.85	21.85	21.85			
10	16QAM	25	12	21.76	21.76	21.76		20.5	3.5
10	16QAM	25	26	21.68	21.68	21.68			
10	16QAM	50	0	21.81	21.81	21.81		20.5	3.5
10	16QAM	50	0	21.81	21.81	21.81			
Channel				22.52	22.62	22.58			
5	QPSK	1	0	22.29	22.48	22.34		24	0
5	QPSK	1	12	22.13	22.31	22.20			
5	QPSK	1	25	22.18	22.30	22.18		24	0
5	QPSK	1	49	22.21	22.40	22.34			
5	QPSK	12	7	22.21	22.38	22.34		24	0
5	QPSK	12	19	22.24	22.34	22.24			
5	QPSK	24	0	22.10	22.28	22.08		24	0
5	16QAM	1	0	22.26	22.33	22.27			
5	16QAM	1	12	22.31	22.34	22.13		23.5	0.5
5	16QAM	1	24	22.20	22.17	22.14			
5	16QAM	12	0	21.98	21.94	21.90		23.5	0.5
5	16QAM	12	13	21.98	21.86	21.74			
5	16QAM	25	0	21.98	21.89	21.87		23.5	0.5
5	16QAM	25	12	21.95	21.85	21.88			
5	16QAM	1	12	21.80	21.93	21.84		23.5	0.5
5	16QAM	1	24	21.82	21.90	21.88			
5	16QAM	12	12	21.98	21.96	21.87		23.5	1.5
5	16QAM	12	7	20.86	20.97	20.89			
5	16QAM	12	13	20.74	20.81	20.71		23.5	1.5
5	16QAM	25	0	20.86	20.90	20.84			
5	16QAM	1	12	18.91	19.01	18.91		20.5	3.5
5	16QAM	1	14	18.74	18.91	18.80			
5	16QAM	1	24	18.82	18.76	18.87		20.5	3.5
5	16QAM	12	0	18.84	18.86	18.86			
5	16QAM	12	7	18.62	18.75	18.66		20.5	3.5
5	16QAM	12	13	18.65	18.74	18.65			
5	16QAM	25	0	18.85	18.94	18.80		20.5	3.5
5	16QAM	25	12	18.85	18.94	18.80			

Band 26 Ant0 DSI6														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq. (dBm)	Power High Ch / Freq. (dBm)	Power High Ch / Freq. (dBm)	Time-up Int. (Sec)	MPE (dB)						
Channel														
Frequency (MHz)														
15	QPSK	1	0	22.59	22.68	22.48	24	0						
15	QPSK	1	37	22.42	22.43	22.41								
15	QPSK	1	74	22.38	22.90	22.38								
15	QPSK	36	0	22.49	22.54	22.50								
15	QPSK	36	24	22.35	22.43	22.34	24	0						
15	QPSK	36	36	22.41	22.50	22.43								
15	QPSK	75	0	22.26	22.40	22.32								
15	16QAM	1	0	22.41	22.52	22.43								
15	16QAM	1	37	22.42	22.46	22.41	24	0						
15	16QAM	1	74	22.37	22.39	22.26								
15	16QAM	36	0	21.94	22.00	21.90								
15	16QAM	36	20	21.87	21.87	21.87								
15	16QAM	36	39	21.79	21.86	21.81	23.5	0.5						
15	16QAM	1	0	21.95	22.04	21.95								
15	16QAM	1	37	21.93	21.94	21.83								
15	16QAM	1	74	21.79	21.86	21.78								
15	16QAM	36	0	20.89	20.90	20.81	22.5	1.5						
15	16QAM	36	20	20.80	20.80	20.79								
15	16QAM	36	39	20.76	20.81	20.78								
15	16QAM	75	0	20.93	20.99	20.90								
15	256QAM	1	0	19.00	19.07	19.00	20.5	3.5						
15	256QAM	1	37	18.94	18.90	18.93								
15	256QAM	1	74	18.82	18.82	18.76								
15	256QAM	36	0	18.89	18.88	18.85								
15	256QAM	36	20	18.82	18.82	18.78	20.5	3.5						
15	256QAM	36	39	18.93	18.74	18.68								
15	256QAM	75	0	18.80	18.87	18.79								
Channel														
Frequency (MHz)														
10	QPSK	1	0	22.53	22.57	22.59	24	0						
10	QPSK	1	25	22.35	22.39	22.31								
10	QPSK	1	49	22.24	22.38	22.32								
10	QPSK	25	0	22.38	22.43	22.39								
10	QPSK	25	12	22.23	22.31	22.22	24	0						
10	QPSK	25	20	22.34	22.40	22.36								
10	QPSK	50	0	22.13	22.26	22.03								
10	16QAM	1	0	22.37	22.44	22.32								
10	16QAM	1	25	22.31	22.33	22.27	24	0						
10	16QAM	1	49	22.27	22.28	22.21								
10	16QAM	25	0	21.84	21.99	21.84								
10	16QAM	25	12	21.75	21.77	21.62								
10	16QAM	25	25	21.64	21.62	21.77	23.5	0.5						
10	16QAM	50	0	21.79	21.86	21.77								
10	16QAM	1	0	21.88	21.94	21.84								
10	16QAM	1	25	21.82	21.83	21.77								
10	16QAM	1	49	21.70	21.74	21.66	22.5	1.5						
10	16QAM	25	0	20.82	20.90	20.80								
10	16QAM	25	12	20.75	20.77	20.75								
10	16QAM	25	25	20.62	20.75	20.72								
10	16QAM	50	0	20.88	20.94	20.85	20.5	3.5						
10	256QAM	1	0	18.86	18.96	18.85								
10	256QAM	1	25	18.68	18.76	18.76								
10	256QAM	1	49	18.74	18.77	18.76								
10	256QAM	25	0	18.74	18.84	18.76	20.5	3.5						
10	256QAM	25	12	18.75	18.75	18.61								
10	256QAM	25	25	18.74	18.65	18.64								
10	256QAM	50	0	18.65	18.76	18.65								
Channel														
Frequency (MHz)														
5	QPSK	1	0	22.48	22.60	22.40	24	0						
5	QPSK	1	12	22.38	22.40	22.37								
5	QPSK	1	24	22.25	22.30	22.30								
5	QPSK	12	0	22.43	22.48	22.43								
5	QPSK	12	7	22.34	22.38	22.27	24	0						
5	QPSK	12	13	22.31	22.41	22.25								
5	QPSK	25	0	22.20	22.34	22.19								
5	16QAM	1	0	22.26	22.32	22.08								
5	16QAM	1	12	22.38	22.35	22.32	24	0						
5	16QAM	1	24	22.26	22.35	22.15								
5	16QAM	12	0	21.86	21.96	21.78								
5	16QAM	12	7	21.73	21.73	21.62								
5	16QAM	12	13	21.64	21.77	21.66	23.5	0.5						
5	16QAM	25	0	21.71	21.69	21.76								
5	16QAM	1	0	21.81	21.95	21.86								
5	16QAM	1	12	21.84	21.77	21.71								
5	16QAM	1	24	21.65	21.72	21.75	22.5	1.5						
5	16QAM	12	0	20.83	20.86	20.71								
5	16QAM	12	7	20.70	20.68	20.72								
5	16QAM	12	13	20.63	20.68	20.61								
5	16QAM	25	0	20.84	20.86	20.78	20.5	3.5						
5	256QAM	1	0	18.88	18.98	18.87								
5	256QAM	1	12	18.89	18.80	18.81								
5	256QAM	1	24	18.73	18.82	18.71								
5	256QAM	12	0	18.83	18.85	18.78	20.5	3.5						
5	256QAM	12	7	18.74	18.73	18.70								
5	256QAM	12	13	18.74	18.65	18.64								
5	256QAM	25	0	18.66	18.78	18.76								
Channel														
Frequency (MHz)														
3	QPSK	1	0	22.55	22.53	22.57	24	0						
3	QPSK	1	8	22.39	22.37	22.31								
3	QPSK	1	14	22.29	22.41	22.26								
3	QPSK	8	0	22.42	22.48	22.46								
3	QPSK	8	4	22.30	22.31	22.29	24	0						
3	QPSK	8	7	22.32	22.34	22.26								
3	QPSK	16	0	22.12	22.37	22.17								
3	16QAM	1	0	22.36	22.44	22.34								
3	16QAM	1	8	22.30	22.40	22.27	24	0						
3	16QAM	1	14	22.31	22.28	22.14								
3	16QAM	8	0	21.82	21.96	21.79								
3	16QAM	8	4	21.84	21.78	21.78								
3	16QAM	8	7	21.71	21.76	21.73	23.5	0.5						
3	16QAM	15	0	21.74	21.82	21.85								
3	16QAM	1	0	21.90	22.00	21.87								
3	16QAM	1	8	21.76	21.81	21.68								
3	16QAM	1	14	21.65	21.70	21.68	22.5	1.5						
3	16QAM	8	0	20.78	20.83	20.78								
3	16QAM	8	4	20.65	20.68	20.70								
3	16QAM	8	7	20.64	20.68	20.65								
3	16QAM	15	0	20.83	20.94	20.81	20.5	3.5						
3	256QAM	1	0	18.94	19.02	18.94								
3	256QAM	1	8	18.83	18.85	18.80								
3	256QAM	1	14	18.74	18.82	18.71								
3	256QAM	8	0	18.84	18.93	18.81	20.5	3.5						
3	256QAM	8	4	18.68	18.86	18.84								
3	256QAM	8	7	18.76	18.66	18.65								
3	256QAM	15	0	18.70	18.79	18.74								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	22.48	22.52	22.58	24	0						
1.4	QPSK	1	12	22.38	22.47	22.47								
1.4	QPSK	1	24	22.24	22.46	22.33								
1.4	QPSK	3	0	22.44	22.47	22.42								
1.4	QPSK	3	0	22.30	22.33	22.28	24	0						
1.4	QPSK	3	12	22.28	22.38	22.28								
1.4	QPSK	6	0	22.18	22.32	22.20								
1.4	QPSK	6	0	22.29	22.44	22.33								
1.4	QPSK	6	12	22.38	22.39	22.29	24	0						
1.4	QPSK	6	24	22.24	22.35	22.24								
1.4	QPSK	12	0	22.32	22.50	22.27								
1.4	QPSK	12	0	22.24	22.25	22.22								
1.4	16QAM	3	0	22.16	22.31	22.20	24	0						
1.4	16QAM	3	0	21.80	21.86	21.84								
1.4	16QAM	3	12	21.62	21.80	21.82								
1.4	16QAM	3	24	21.89	21.74	21.76								
1.4	16QAM	6	0	21.72	21.76	21.75	23.5	0.5						
1.4	16QAM	6	12	21.74	21.81	21.74								
1.4	16QAM	6	24	21.71	21.69	21.75								
1.4	16QAM	12	0	21.64	21.84	21.83								
1.4	16QAM	6	0	18.90	19.00	18.90	22.5	1.5						
1.4	16QAM	6	12	18.80	18.78	18.86								
1.4	16QAM	6	24	18.76	18.72	18.86								
1.4	16QAM	12	0	18.64	18.84	18.84								
1.4	16QAM	6	0	18.71	18.72	18.68	20.5	3.5						
1.4	256QAM	3	0	18.64	18.64	18.64								
1.4	256QAM	6	0	18.71	18.78	18.74								
1.4	256QAM	6	0	18.71	18.78	18.74								

Band 38 PC3 Ant0 DSI6									
BW [MHz]	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	23.06	23.19	23.04	24	0	
20	QPSK	1	49	23.00	23.08	22.93			
20	QPSK	1	99	23.01	23.04	22.91			
20	QPSK	50	0	23.05	23.08	23.00	24	0	
20	QPSK	50	24	22.87	22.85	22.87			
20	QPSK	50	50	23.00	23.08	23.00			
20	QPSK	100	0	22.98	23.05	22.97	24	0	
20	16QAM	1	0	22.98	23.05	22.97			
20	16QAM	1	49	22.92	23.07	22.95			
20	16QAM	1	99	22.86	23.03	23.01	24	0	
20	16QAM	50	0	22.93	23.06	22.95			
20	16QAM	50	24	22.98	23.12	23.05			
20	16QAM	50	50	23.01	23.08	23.03	24	0	
20	16QAM	100	0	22.92	23.06	22.97			
20	64QAM	1	0	22.97	23.15	22.90			
20	64QAM	1	49	22.94	23.05	22.99	24	0	
20	64QAM	1	99	23.06	23.13	22.98			
20	64QAM	50	0	22.87	23.00	22.97			
20	64QAM	50	24	23.05	23.11	23.07	24	0	
20	64QAM	50	50	23.06	23.09	22.94			
20	64QAM	100	0	22.97	23.07	23.02			
20	256QAM	1	0	20.93	20.99	20.84	22	2	
20	256QAM	1	49	20.84	20.98	20.85			
20	256QAM	1	99	21.01	21.06	20.91			
20	256QAM	50	0	20.97	21.08	20.94	22	2	
20	256QAM	50	24	21.06	21.11	20.97			
20	256QAM	50	50	20.95	21.05	20.91			
20	256QAM	100	0	20.96	21.07	20.92	Tune-up limit (dBm)	MPR (dB)	
Channel				37825	38000	38175			
Frequency (MHz)				2572.5	2585	2592.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	22.91	23.08	22.80			
15	QPSK	1	37	22.85	23.04	22.76	24	0	
15	QPSK	1	74	22.90	22.86	22.76			
15	QPSK	36	0	22.95	23.02	22.85			
15	QPSK	36	20	22.78	22.90	22.72	24	0	
15	QPSK	36	39	22.85	23.01	22.83			
15	QPSK	75	0	22.93	23.01	22.88			
15	16QAM	1	0	22.81	22.85	22.87	24	0	
15	16QAM	1	37	22.98	22.98	22.90			
15	16QAM	1	74	22.72	22.97	22.98			
15	16QAM	36	0	22.86	22.90	22.78	24	0	
15	16QAM	36	20	22.94	22.95	23.02			
15	16QAM	36	39	22.92	23.04	22.97			
15	16QAM	75	0	22.79	23.01	22.89	24	0	
15	64QAM	1	0	22.81	23.01	22.85			
15	64QAM	1	37	22.83	23.01	22.89			
15	64QAM	1	74	22.93	23.01	22.94	24	0	
15	64QAM	36	0	22.89	22.85	22.83			
15	64QAM	36	20	22.99	23.02	23.05			
15	64QAM	36	39	22.98	23.04	22.85	22	2	
15	64QAM	75	0	22.82	22.99	22.98			
15	256QAM	1	0	20.77	20.94	20.68			
15	256QAM	1	37	20.75	20.82	20.76	22	2	
15	256QAM	1	74	20.86	20.91	20.77			
15	256QAM	36	0	20.91	20.94	20.83			
15	256QAM	36	20	20.99	21.08	20.81	22	2	
15	256QAM	36	39	20.86	20.88	20.77			
15	256QAM	75	0	20.82	21.03	20.86			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	22.99	23.02	22.89	24	0	
10	QPSK	1	25	22.92	23.03	22.88			
10	QPSK	1	49	22.86	22.83	22.94			
10	QPSK	25	0	22.95	22.97	22.84	24	0	
10	QPSK	25	12	22.81	22.77	22.82			
10	QPSK	25	25	22.92	22.95	22.84			
10	QPSK	50	0	22.87	22.94	22.90	24	0	
10	16QAM	1	0	22.91	22.98	22.86			
10	16QAM	1	25	22.76	22.91	22.89			
10	16QAM	1	49	22.79	22.99	22.95	24	0	
10	16QAM	25	0	22.80	22.99	22.78			
10	16QAM	25	12	22.86	23.08	22.98			
10	16QAM	25	25	22.94	22.91	22.92	24	0	
10	16QAM	50	0	22.75	22.89	22.91			
10	64QAM	1	0	22.80	23.04	22.91			
10	64QAM	1	25	22.79	22.91	22.86	24	0	
10	64QAM	1	49	22.93	23.02	22.89			
10	64QAM	25	0	22.72	22.97	22.94			
10	64QAM	25	12	22.88	23.00	22.96	24	0	
10	64QAM	25	25	22.89	23.07	22.77			
10	64QAM	50	0	22.79	22.95	22.94			
10	256QAM	1	0	20.80	20.87	20.71	22	2	
10	256QAM	1	25	20.72	20.84	20.72			
10	256QAM	1	49	20.97	20.97	20.75			
10	256QAM	25	0	20.93	21.04	20.90	22	2	
10	256QAM	25	12	20.95	20.98	20.85			
10	256QAM	25	25	20.82	20.88	20.86			
10	256QAM	50	0	20.62	21.00	20.82	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	22.95	23.16	22.94			
5	QPSK	1	12	22.87	22.96	22.80	24	0	
5	QPSK	1	24	22.85	22.92	22.83			
5	QPSK	12	0	22.96	23.03	22.84			
5	QPSK	12	7	22.77	22.79	22.78	24	0	
5	QPSK	12	13	22.88	22.89	22.86			
5	QPSK	25	0	22.98	22.96	22.87			
5	16QAM	1	0	22.92	22.89	22.82	24	0	
5	16QAM	1	12	22.75	23.05	22.88			
5	16QAM	1	24	22.76	22.92	22.86			
5	16QAM	12	0	22.80	22.91	22.81	24	0	
5	16QAM	12	7	22.86	23.02	23.01			
5	16QAM	12	13	22.83	22.82	22.89			
5	16QAM	25	0	22.74	23.00	22.84	24	0	
5	64QAM	1	0	22.94	23.10	22.84			
5	64QAM	1	12	22.91	22.93	22.90			
5	64QAM	1	24	22.91	23.06	22.82	24	0	
5	64QAM	12	0	22.70	22.98	22.88			
5	64QAM	12	7	22.97	22.96	23.04			
5	64QAM	12	13	22.94	22.94	22.76	22	2	
5	64QAM	25	0	22.81	22.89	22.91			
5	256QAM	1	0	20.77	20.85	20.68			
5	256QAM	1	12	20.74	20.86	20.74	22	2	
5	256QAM	1	24	20.86	21.02	20.85			
5	256QAM	12	0	20.85	21.03	20.88			
5	256QAM	12	7	20.97	21.01	20.94	22	2	
5	256QAM	12	13	20.86	21.01	20.78			
5	256QAM	25	0	20.82	20.91	20.75			

Band 38 PC2 Ant0 DSI6									
BW [MHz]	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	25.45	25.62	25.55	27	0	
20	QPSK	1	49	25.45	25.56	25.46			
20	QPSK	1	99	25.40	25.51	25.38			
20	QPSK	50	0	25.45	25.60	25.49	27	0	
20	QPSK	50	24	25.49	25.53	25.43			
20	QPSK	50	50	25.51	25.55	25.40			
20	QPSK	100	0	25.54	25.59	25.57	27	0	
20	16QAM	1	0	25.55	25.58	25.46			
20	16QAM	1	49	25.43	25.46	25.43			
20	16QAM	1	99	25.27	25.45	25.33	27	0	
20	16QAM	50	0	25.38	25.49	25.31			
20	16QAM	50	24	25.35	25.45	25.34			
20	16QAM	50	50	25.32	25.42	25.36	27	0	
20	16QAM	100	0	25.27	25.45	25.35			
20	64QAM	1	0	25.43	25.59	25.46			
20	64QAM	1	49	25.42	25.49	25.41	27	0	
20	64QAM	1	99	25.31	25.41	25.29			
20	64QAM	50	0	25.37	25.46	25.30			
20	64QAM	50	24	25.32	25.48	25.30	27	0	
20	64QAM	50	50	25.28	25.44	25.38			
20	64QAM	100	0	25.33	25.42	25.25			
20	256QAM	1	0	24.14	24.31	24.27	25	2	
20	256QAM	1	49	24.23	24.30	24.26			
20	256QAM	1	99	24.15	24.28	24.21			
20	256QAM	50	0	23.98	24.13	24.01	25	2	
20	256QAM	50	24	24.18	24.27	24.10			
20	256QAM	50	50	24.18	24.24	24.17			
20	256QAM	100	0	24.10	24.22	24.17	Tune-up limit (dBm)	MPR (dB)	
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	25.41	25.51	25.49	27	0	
15	QPSK	1	37	25.29	25.50	25.37			
15	QPSK	1	74	25.32	25.48	25.26			
15	QPSK	36	0	25.35	25.56	25.33	27	0	
15	QPSK	36	20	25.43	25.46	25.27			
15	QPSK	36	39	25.45	25.49	25.29			
15	QPSK	75	0	25.50	25.52	25.41	27	0	
15	16QAM	1	0	25.49	25.54	25.35			
15	16QAM	1	37	25.31	25.41	25.31			
15	16QAM	1	74	25.13	25.32	25.17	27	0	
15	16QAM	36	0	25.25	25.44	25.29			
15	16QAM	36	20	25.22	25.36	25.19			
15	16QAM	36	39	25.25	25.33	25.33	27	0	
15	16QAM	75	0	25.16	25.29	25.26			
15	64QAM	1	39	25.39	25.46	25.36			
15	64QAM	1	37	25.36	25.45	25.28	27	0	
15	64QAM	1	74	25.15	25.36	25.17			
15	64QAM	36	0	25.20	25.28	25.28			
15	64QAM	36	20	25.23	25.36	25.13	27	0	
15	64QAM	36	39	25.22	25.29	25.32			
15	64QAM	75	0	25.29	25.37	25.12			
15	256QAM	1	0	24.03	24.20	24.20	25	2	
15	256QAM	1	37	24.05	24.14	24.22			
15	256QAM	1	74	24.06	24.14	24.04			
15	256QAM	36	0	23.96	24.10	23.95	25	2	
15	256QAM	36	20	24.09	24.16	24.02			
15	256QAM	36	39	24.10	24.20	24.14			
15	256QAM	75	0	23.97	24.05	24.12	Tune-up limit (dBm)	MPR (dB)	
Channel				37800	38000	38200			
Frequency (MHz)				2577.5	2595	2615			
10	QPSK	1	0	25.36	25.44	25.43	27	0	
10	QPSK	1	25	25.28	25.53	25.41			
10	QPSK	1	49	25.37	25.46	25.27			
10	QPSK	25	0	25.36	25.43	25.40	27	0	
10	QPSK	25	12	25.31	25.48	25.27			
10	QPSK	25	25	25.45	25.52	25.29			
10	QPSK	50	0	25.44	25.54	25.50	27	0	
10	16QAM	1	0	25.40	25.43	25.39			
10	16QAM	1	25	25.30	25.44	25.28			
10	16QAM	1	49	25.14	25.29	25.24	27	0	
10	16QAM	25	0	25.33	25.43	25.26			
10	16QAM	25	12	25.24	25.28	25.23			
10	16QAM	25	25	25.31	25.30	25.18	27	0	
10	16QAM	50	0	25.12	25.30	25.26			
10	64QAM	1	0	25.39	25.54	25.30			
10	64QAM	1	25	25.34	25.39	25.38	27	0	
10	64QAM	1	49	25.19	25.25	25.11			
10	64QAM	25	0	25.20	25.35	25.14			
10	64QAM	25	12	25.23	25.32	25.23	27	0	
10	64QAM	25	25	25.20	25.33	25.28			
10	64QAM	50	0	25.21	25.31	25.18			
10	256QAM	1	0	23.98	24.14	24.20	25	2	
10	256QAM	1	25	24.16	24.16	24.15			
10	256QAM	1	49	24.03	24.12	24.09			
10	256QAM	25	0	23.96	24.11	23.96	25	2	
10	256QAM	25	12	24.06	24.16	24.01			
10	256QAM	25	25	24.09	24.10	24.05			
10	256QAM	50	0	23.98	24.13	24.14	Tune-up limit (dBm)	MPR (dB)	
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	25.34	25.46	25.44	27	0	
5	QPSK	1	12	25.35	25.43	25.32			
5	QPSK	1	24	25.35	25.36	25.33			
5	QPSK	12	0	25.36	25.53	25.47	27	0	
5	QPSK	12	7	25.41	25.36	25.39			
5	QPSK	12	13	25.44	25.48	25.28			
5	QPSK	25	0	25.48	25.57	25.43	27	0	
5	16QAM	1	0	25.48	25.46	25.25			
5	16QAM	1	12	25.33	25.42	25.39			
5	16QAM	1	24	25.22	25.40	25.35	27	0	
5	16QAM	12	0	25.33	25.32	25.17			
5	16QAM	12	7	25.24	25.42	25.30			
5	16QAM	12	13	25.25	25.35	25.22	27	0	
5	16QAM	25	0	25.17	25.41	25.21			
5	64QAM	1	0	25.38	25.57	25.28			
5	64QAM	1	12	25.32	25.40	25.27	27	0	
5	64QAM	1	24	25.29	25.35	25.18			
5	64QAM	12	0	25.30	25.33	25.13			
5	64QAM	12	7	25.25	25.46	25.27	27	0	
5	64QAM	12	13	25.18	25.30	25.28			
5	64QAM	25	0	25.19	25.32	25.15			
5	256QAM	1	0	24.04	24.17	24.20	25	2	
5	256QAM	1	12	24.15	24.24	24.18			
5	256QAM	1	24	24.11	24.14	24.05			
5	256QAM	12	0	23.98	24.00	23.98	25	2	
5	256QAM	12	7	24.14	24.17	24.07			
5	256QAM	12	13	24.06	24.09	24.04			
5	256QAM	25	0	24.03	24.19	24.16	Tune-up limit (dBm)	MPR (dB)	



Band 41 PC3 Ant0 DSI6											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	22.91	23.04	23.20	22.98	22.79	24	0	
20	QPSK	1	49	22.90	22.95	23.08	22.96	22.77			
20	QPSK	1	99	22.92	22.90	23.07	22.96	22.85			
20	QPSK	50	0	23.09	23.01	23.17	23.13	23.00			
20	QPSK	50	24	23.07	23.10	23.13	23.04	22.88	24	0	
20	QPSK	50	50	23.07	23.08	23.12	23.06	22.89			
20	QPSK	100	0	23.11	23.02	23.16	23.13	22.99			
20	16QAM	1	0	23.05	22.99	23.12	22.94	22.88			
20	16QAM	1	49	22.90	22.94	23.07	23.04	22.88	24	0	
20	16QAM	1	99	23.07	22.96	23.11	22.95	22.81			
20	16QAM	50	0	23.01	23.03	23.14	23.05	22.91			
20	16QAM	50	24	23.11	23.11	23.17	23.10	22.98			
20	16QAM	50	50	23.03	23.05	23.09	23.04	22.78	24	0	
20	16QAM	100	0	22.93	23.00	23.11	23.00	22.78			
20	64QAM	1	0	22.97	22.89	23.06	22.98	22.78			
20	64QAM	1	49	23.14	23.01	23.17	23.13	22.84			
20	64QAM	1	99	22.96	23.06	23.12	23.06	22.82	24	0	
20	64QAM	50	0	23.10	23.10	23.15	23.11	22.96			
20	64QAM	50	24	22.93	22.96	23.02	22.93	22.75			
20	64QAM	50	50	22.96	22.99	23.10	23.00	22.80			
20	64QAM	100	0	23.15	23.11	23.18	23.16	22.91	22	2	
20	256QAM	1	0	21.05	21.06	21.16	20.99	20.91			
20	256QAM	1	49	21.05	21.05	21.12	21.02	20.88			
20	256QAM	1	99	21.02	21.02	21.05	20.90	20.87			
20	256QAM	50	0	20.96	20.97	21.10	20.94	20.86	22	2	
20	256QAM	50	24	20.89	20.99	21.03	20.91	20.78			
20	256QAM	50	50	21.10	21.05	21.14	21.11	20.91			
20	256QAM	100	0	21.14	21.12	21.19	21.16	20.99			
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2548.3	2593	2637.6	2682.5			
15	QPSK	1	0	22.85	22.93	23.08	22.85	22.73	24.00	0	
15	QPSK	1	37	22.73	22.83	23.03	22.82	22.65			
15	QPSK	1	74	22.77	22.83	22.98	22.89	22.72			
15	QPSK	36	0	22.92	22.86	23.01	23.02	22.97			
15	QPSK	36	20	22.94	22.98	22.99	22.92	22.77	24	0	
15	QPSK	36	39	23.02	22.91	23.03	22.98	22.87			
15	QPSK	75	0	23.01	22.88	23.03	22.95	22.94			
15	16QAM	1	0	22.86	22.95	23.05	22.91	22.77			
15	16QAM	1	37	22.77	22.76	22.94	22.87	22.75	24	0	
15	16QAM	1	74	22.90	22.83	22.98	22.88	22.74			
15	16QAM	36	0	22.85	22.86	23.05	22.90	22.89			
15	16QAM	36	20	22.95	23.08	23.11	23.00	22.90			
15	16QAM	36	39	22.94	23.02	22.96	22.95	22.63	24	0	
15	16QAM	75	0	22.91	22.97	22.94	22.91	22.72			
15	64QAM	1	0	22.88	22.77	23.00	22.84	22.70			
15	64QAM	1	37	23.03	22.85	23.14	23.10	22.80			
15	64QAM	1	74	22.84	23.03	22.98	22.92	22.76	24	0	
15	64QAM	36	0	22.96	23.06	23.07	22.94	22.83			
15	64QAM	36	20	22.84	22.86	22.96	22.86	22.61			
15	64QAM	36	39	22.90	22.93	23.06	22.86	22.72			
15	64QAM	75	0	23.02	22.99	23.01	22.99	22.81	22	2	
15	256QAM	1	0	20.88	21.02	21.01	20.88	20.76			
15	256QAM	1	37	20.97	20.96	20.96	20.87	20.75			
15	256QAM	1	74	20.98	20.93	20.87	20.79	20.75			
15	256QAM	36	0	20.87	20.88	21.06	20.78	20.69	22	2	
15	256QAM	36	20	20.85	20.88	21.00	20.75	20.74			
15	256QAM	36	39	20.98	20.90	20.97	20.93	20.78			
15	256QAM	75	0	21.03	20.97	21.04	20.98	20.85			
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501	2547	2593	2639	2685			
10	QPSK	1	0	22.81	23.02	23.06	22.83	22.64	24.00	0	
10	QPSK	1	25	22.80	22.78	22.92	22.85	22.71			
10	QPSK	1	49	22.75	22.75	22.92	22.93	22.68			
10	QPSK	25	0	22.95	22.83	23.01	23.01	22.87			
10	QPSK	25	12	22.94	23.04	22.95	22.93	22.74	24	0	
10	QPSK	25	25	23.04	22.98	23.07	23.04	22.71			
10	QPSK	50	0	23.04	22.89	23.05	22.98	22.83			
10	16QAM	1	0	22.99	22.87	22.95	22.83	22.83			
10	16QAM	1	25	22.82	22.79	23.04	22.99	22.72	24	0	
10	16QAM	1	49	23.02	22.82	22.98	22.92	22.69			
10	16QAM	25	0	22.80	22.94	22.99	22.91	22.88			
10	16QAM	25	12	23.01	22.96	23.05	23.04	22.85			
10	16QAM	25	25	22.86	22.95	23.00	22.95	22.63	24	0	
10	16QAM	50	0	22.90	22.96	23.03	22.92	22.72			
10	64QAM	1	0	22.93	22.76	22.98	22.90	22.72			
10	64QAM	1	25	23.00	22.99	23.13	23.10	22.71			
10	64QAM	1	49	22.85	22.91	23.02	22.97	22.72	24	0	
10	64QAM	25	0	22.98	23.04	22.87	22.99	22.92			
10	64QAM	25	12	22.87	22.79	22.98	22.86	22.68			
10	64QAM	25	25	22.88	22.93	22.97	22.92	22.70			
10	64QAM	50	0	23.11	23.06	23.12	23.00	22.87	22	2	
10	256QAM	1	0	20.92	20.99	20.98	20.82	20.84			
10	256QAM	1	25	21.00	20.88	20.95	20.87	20.71			
10	256QAM	1	49	20.89	20.87	20.93	20.72	20.76			
10	256QAM	25	0	20.80	20.84	20.97	20.88	20.72	22	2	
10	256QAM	25	12	20.73	20.85	20.89	20.89	20.63			
10	256QAM	25	25	20.98	21.03	20.98	20.98	20.76			
10	256QAM	50	0	21.02	21.02	21.03	21.07	20.85			
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5			
5	QPSK	1	0	22.81	22.92	23.16	22.88	22.71	24.00	0	
5	QPSK	1	12	22.85	22.82	22.94	22.90	22.68			
5	QPSK	1	24	22.83	22.76	22.98	22.86	22.76			
5	QPSK	12	0	22.99	22.88	23.06	23.02	22.93			
5	QPSK	12	7	22.95	22.93	23.10	22.91	22.71	24	0	
5	QPSK	12	13	23.00	23.05	23.08	22.96	22.83			
5	QPSK	25	0	23.00	22.95	23.06	23.11	22.94			
5	16QAM	1	0	22.97	22.84	23.01	22.85	22.72			
5	16QAM	1	12	22.80	22.77	23.00	22.96	22.78	24	0	
5	16QAM	1	24	22.90	22.94	22.96	22.89	22.65			
5	16QAM	12	0	22.89	22.89	23.05	22.95	22.76			
5	16QAM	12	7	22.99	22.93	23.02	23.00	22.90			
5	16QAM	12	13	22.87	22.88	22.96	22.87	22.71	24	0	
5	16QAM	25	0	22.79	22.93	23.00	22.86	22.61			
5	64QAM	1	0	22.86	22.77	23.01	22.86	22.73			
5	64QAM	1	12	22.99	22.99	23.03	23.10	22.74			
5	64QAM	1	24	22.93	22.98	22.98	22.90	22.70	24	0	
5	64QAM	12	0	23.05	22.99	23.08	23.08	22.85			
5	64QAM	12	7	22.82	22.89	22.94	22.89	22.62			
5	64QAM	12	13	22.86	22.84	23.05	22.82	22.73			
5	64QAM	25	0	23.12	23.00	23.05	23.03	22.84	22	2	
5	256QAM	1	0	21.02	21.03	21.14	20.90	20.81			
5	256QAM	1	12	20.96	20.88	20.96	20.92	20.80			
5	256QAM	1	24	20.93	20.94	20.93	20.81	20.73			
5	256QAM	12	0	20.88	20.82	21.10	20.88	20.78	22	2	
5	256QAM	12	7	20.85	20.82	20.96	20.89	20.68			
5	256QAM	12	13	21.02	21.03	21.09	21.02	20.86			
5	256QAM	25	0	21.02	21.00	21.08	21.12	20.94			

GSM900 ANT1	Burst-Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	188	251		128	188	251	
TX Channel	512.2	532.4	548.8	541.2	541.2	532.4	548.8	541.2
Frequency (MHz)	32.35	32.42	32.18	33.50	23.35	23.42	23.18	24.50
GSM 1 Tx slot	32.29	32.31	32.06	33.50	23.29	23.31	23.06	24.50
GPRS 1 Tx slot	29.91	29.93	29.69	31.00	23.91	23.93	23.69	25.00
GPRS 2 Tx slot	27.67	27.64	27.52	29.00	23.41	23.38	23.26	24.74
GPRS 3 Tx slot	26.29	26.21	26.01	27.00	23.29	23.21	23.01	24.00
GPRS 4 Tx slot	25.16	25.24	25.11	26.50	18.16	18.24	18.11	17.50
EDGE 1 Tx slot	23.48	23.63	23.42	25.00	17.48	17.63	17.42	19.00
EDGE 2 Tx slot	22.26	22.42	22.25	23.50	16.00	16.16	17.99	19.24
EDGE 3 Tx slot	20.22	20.35	20.28	22.00	17.22	17.35	17.28	19.00

GSM1900 ANT1	Burst-Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1650.2	1660	1668.8	1650.2	1650.2	1660	1668.8	1650.2
Frequency (MHz)	18.88	20.15	28.94	30.50	19.88	20.15	19.94	21.50
GSM 1 Tx slot	28.75	29.07	28.86	30.50	19.75	20.07	19.96	21.50
GPRS 1 Tx slot	23.27	23.52	23.14	26.50	19.27	19.52	19.14	20.50
GPRS 2 Tx slot	23.46	23.93	23.66	25.00	19.20	19.67	19.40	20.74
GPRS 3 Tx slot	22.21	22.16	22.33	23.50	19.21	19.16	19.33	20.50
GPRS 4 Tx slot	24.46	24.70	24.32	25.00	15.46	15.70	15.32	16.00
EDGE 1 Tx slot	22.76	22.91	22.52	24.00	16.76	16.91	16.52	18.00
EDGE 2 Tx slot	21.60	21.82	21.44	23.00	17.34	17.56	17.16	18.74
EDGE 3 Tx slot	19.40	19.62	19.27	20.50	16.40	16.62	16.27	17.50

WCDMA 8 Ant1 DS8														WCDMA 8 Ant1 DS8													
Band		WCDMA 8 ANT1				Tune-up Limit (dBm)	WCDMA 8 ANT1				Tune-up Limit (dBm)	WCDMA 8 ANT1				Tune-up Limit (dBm)											
TX Channel	9652	9400	9538		1312		1413	1513		4192		4182	4233														
Rel Channel	9652	9400	9538		1537	1638	1738		4357	4407	4458																
Frequency (MHz)	18.524	18.60	18.678		1712.4	1723.8	1732.6		426.4	436.4	446.6																
3GPP Rel 99	AMR 12.2Kbps	20.45	20.49	20.23	21.20	19.88	20.07	20.00	21.10	22.96	23.02	22.84	24.00														
3GPP Rel 99	RMC 12.2Kbps	20.52	20.56	20.31	21.20	20.06	20.18	20.06	21.10	23.08	23.15	22.92	24.00														
3GPP Rel 6	HSDPA Subtest-1	19.78	19.66	19.59	20.20	19.19	19.15	19.02	20.10	22.05	22.05	21.90	23.00														
3GPP Rel 6	HSDPA Subtest-2	19.68	19.74	19.50	20.20	19.11	19.25	19.07	20.10	22.01	22.08	21.88	23.00														
3GPP Rel 6	HSDPA Subtest-3	19.21	19.24	19.15	19.70	18.65	18.72	18.55	19.60	21.51	21.57	21.43	22.50														
3GPP Rel 6	HSDPA Subtest-4	19.11	19.28	19.06	19.70	18.64	18.79	18.58	19.60	21.50	21.62	21.39	22.50														
3GPP Rel 8	DC-HSDPA Subtest-1	19.69	19.78	19.65	20.20	19.10	19.24	19.15	20.10	22.01	22.16	22.00	23.00														
3GPP Rel 8	DC-HSDPA Subtest-2	19.65	19.79	19.56	20.20	19.12	19.19	19.11	20.10	21.98	22.07	21.92	23.00														
3GPP Rel 8	DC-HSDPA Subtest-3	19.17	19.35	19.17	19.70	18.67	18.72	18.52	19.60	21.50	21.64	21.45	22.50														
3GPP Rel 8	DC-HSDPA Subtest-4	19.17	19.21	19.05	19.70	18.69	18.74	18.53	19.60	21.51	21.59	21.38	22.50														
3GPP Rel 6	HSUPA Subtest-1	19.64	19.82	19.66	20.20	19.12	19.25	19.15	20.10	22.03	22.12	22.03	23.00														
3GPP Rel 6	HSUPA Subtest-2	17.54	17.63	17.57	18.20	17.06	17.28	17.06	18.10	19.94	20.14	19.94	21.00														
3GPP Rel 6	HSUPA Subtest-3	18.63	18.78	18.65	19.20	18.11	18.20	18.11	19.10	21.03	21.08	21.01	22.00														
3GPP Rel 6	HSUPA Subtest-4	17.64	17.78	17.60	18.20	17.14	17.25	17.14	18.10	19.99	20.10	19.99	21.00														
3GPP Rel 6	HSUPA Subtest-5	18.75	19.70	18.57	20.20	19.22	19.24	19.06	20.10	22.06	22.08	21.92	23.00														



Band 2 Ant1 DS16

BW [MHz]	Modulation	RB Size	RB Offset	Power Ch./Freq.	Power Max Ch./Freq.	Power Min Ch./Freq.	Time-up Int. (sec)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	20.43	20.43	20.41	21.5	0		
20	QPSK	1	49	20.23	20.34	20.25				
20	QPSK	1	99	20.38	20.48	20.34	21.5	0		
20	QPSK	50	0	20.28	20.35	20.23				
20	QPSK	50	24	20.23	20.33	20.20	21.5	0		
20	QPSK	50	19	20.18	20.32	20.25				
20	QPSK	100	0	20.28	20.43	20.30	21.5	0		
20	QPSK	100	24	20.27	20.35	20.27				
20	16QAM	1	49	20.17	20.37	20.20	21.5	0		
20	16QAM	1	99	20.28	20.30	20.30				
20	16QAM	50	0	20.27	20.30	20.27	21.5	0		
20	16QAM	50	24	20.38	20.42	20.36				
20	16QAM	100	0	20.35	20.47	20.38	21.5	0		
20	16QAM	100	24	20.19	20.34	20.29				
20	64QAM	1	0	20.29	20.33	20.19	21.5	0		
20	64QAM	1	49	20.30	20.42	20.29				
20	64QAM	50	0	20.38	20.40	20.34	21.5	0		
20	64QAM	50	24	19.83	19.87	19.75				
20	64QAM	100	0	19.78	19.82	19.75	21.5	0		
20	64QAM	100	24	19.74	19.83	19.69				
20	256QAM	1	0	17.71	17.86	17.80	19.5	2		
20	256QAM	1	49	17.75	17.79	17.78				
20	256QAM	50	0	17.87	17.83	17.72	19.5	2		
20	256QAM	50	24	17.75	17.79	17.76				
20	256QAM	100	0	17.68	17.75	17.68	19.5	2		
20	256QAM	100	24	17.62	17.73	17.64				
20	256QAM	100	0	17.73	17.78	17.72	19.5	2		
20	256QAM	100	24	17.67	17.78	17.64				
Channel										
Frequency (MHz)										
15	QPSK	1	0	20.33	20.40	20.35	21.5	0		
15	QPSK	1	37	20.18	20.30	20.20				
15	QPSK	1	74	20.23	20.42	20.31	21.5	0		
15	QPSK	36	0	20.14	20.30	20.10				
15	QPSK	36	20	20.24	20.23	20.15	21.5	0		
15	QPSK	36	39	20.12	20.17	20.13				
15	QPSK	75	0	20.21	20.35	20.16	21.5	0		
15	QPSK	75	0	20.17	20.29	20.21				
15	16QAM	1	0	20.17	20.29	20.21	21.5	0		
15	16QAM	1	37	20.08	20.10	20.16				
15	16QAM	1	74	20.20	20.30	20.16	21.5	0		
15	16QAM	36	0	20.23	20.28	20.16				
15	16QAM	36	20	20.28	20.34	20.24	21.5	0		
15	16QAM	36	39	20.28	20.41	20.35				
15	16QAM	75	0	20.07	20.20	20.17	21.5	0		
15	16QAM	75	0	20.23	20.23	20.09				
15	64QAM	1	0	20.23	20.23	20.09	21.5	0		
15	64QAM	15	0	20.38	20.40	20.34				
15	64QAM	1	74	20.33	20.40	20.23	21.5	0		
15	64QAM	36	0	19.74	19.74	19.62				
15	64QAM	36	20	19.75	19.75	19.62	21.5	0		
15	64QAM	36	39	19.72	19.74	19.63				
15	64QAM	75	0	19.68	19.75	19.68	19.5	2		
15	64QAM	75	0	19.65	19.72	19.65				
15	256QAM	1	37	17.70	17.75	17.69	19.5	2		
15	256QAM	1	74	17.61	17.67	17.65				
15	256QAM	1	174	17.68	17.68	17.65	19.5	2		
15	256QAM	36	20	17.57	17.70	17.57				
15	256QAM	36	39	17.58	17.68	17.59	19.5	2		
15	256QAM	75	0	17.67	17.68	17.59				
Channel										
Frequency (MHz)										
15	QPSK	1	0	20.31	20.42	20.30	21.5	0		
15	QPSK	1	20	20.23	20.37	20.27				
15	QPSK	1	49	20.27	20.30	20.19	21.5	0		
15	QPSK	25	0	20.15	20.31	20.14				
15	QPSK	25	12	20.13	20.33	20.18	21.5	0		
15	QPSK	25	25	20.13	20.27	20.20				
15	QPSK	50	0	20.21	20.31	20.17	21.5	0		
15	QPSK	50	0	20.19	20.29	20.23				
15	QPSK	50	24	20.04	20.17	20.07	21.5	0		
15	QPSK	50	24	20.04	20.17	20.07				
15	16QAM	1	49	20.17	20.29	20.25	21.5	0		
15	16QAM	1	25	20.04	20.17	20.07				
15	16QAM	1	49	20.17	20.29	20.25	21.5	0		
15	16QAM	1	25	20.04	20.17	20.07				
15	16QAM	25	12	19.72	19.82	19.74	21.5	0		
15	16QAM	25	12	19.72	19.82	19.74				
15	16QAM	25	25	19.69	19.70	19.61	21.5	0		
15	16QAM	25	25	19.70	19.86	19.66				
15	256QAM	1	0	17.64	17.60	17.71	19.5	2		
15	256QAM	1	25	17.62	17.74	17.66				
15	256QAM	1	74	17.61	17.71	17.68	19.5	2		
15	256QAM	25	0	17.71	17.71	17.69				
15	256QAM	25	12	17.63	17.62	17.58	19.5	2		
15	256QAM	25	12	17.68	17.68	17.55				
15	256QAM	50	0	17.60	17.63	17.63	19.5	2		
15	256QAM	50	0	17.60	17.63	17.63				
Channel										
Frequency (MHz)										
15	QPSK	1	0	16.60	16.66	16.50	21.5	0		
15	QPSK	1	0	20.31	20.42	20.30				
15	QPSK	1	20	20.23	20.37	20.27	21.5	0		
15	QPSK	1	49	20.27	20.30	20.19				
15	QPSK	25	0	20.15	20.31	20.14	21.5	0		
15	QPSK	25	20	20.13	20.33	20.18				
15	QPSK	25	25	20.13	20.27	20.20	21.5	0		
15	QPSK	50	0	20.21	20.31	20.17				
15	QPSK	50	0	20.19	20.29	20.23	21.5	0		
15	QPSK	50	24	20.04	20.17	20.07				
15	16QAM	1	49	20.17	20.29	20.25	21.5	0		
15	16QAM	1	25	20.04	20.17	20.07				
15	16QAM	1	49	20.17	20.29	20.25	21.5	0		
15	16QAM	1	25	20.04	20.17	20.07				
15	16QAM	25	12	19.72	19.82	19.74	21.5	0		
15	16QAM	25	12	19.72	19.82	19.74				
15	16QAM	25	25	19.69	19.70	19.61	21.5	0		
15	16QAM	25	25	19.70	19.86	19.66				
15	256QAM	1	0	17.64	17.60	17.71	19.5	2		
15	256QAM	1	25	17.62	17.74	17.66				
15	256QAM	1	74	17.61	17.71	17.68	19.5	2		
15	256QAM	25	0	17.71	17.71	17.69				
15	256QAM	25	12	17.63	17.62	17.58	19.5	2		
15	256QAM	25	12	17.68	17.68	17.55				
15	256QAM	50	0	17.60	17.63	17.63	19.5	2		
15	256QAM	50	0	17.60	17.63	17.63				
Channel										
Frequency (MHz)										
15	QPSK	1	0	20.31	20.42	20.30	21.5	0		
15	QPSK	1	20	20.23	20.37	20.27				
15	QPSK	1	49	20.27	20.30	20.19	21.5	0		
15	QPSK	25	0	20.15	20.31	20.14				
15	QPSK	25	12	20.13	20.33	20.18	21.5	0		
15	QPSK	25	25	20.13	20.27	20.20				
15	QPSK	50	0	20.21	20.31	20.17	21.5	0		
15	QPSK	50	0	20.19	20.29	20.23				
15	QPSK	50	24	20.04	20.17	20.07	21.5	0		
15	QPSK	50	24	20.04	20.17	20.07				
15	16QAM	1	49	20.17	20.29	20.25	21.5	0		
15	16QAM	1	25	20.04	20.17	20.07				
15	16QAM	1	49	20.17	20.29	20.25	21.5	0		
15	16QAM	1	25	20.04	20.17	20.07				
15	16QAM	25	12	19.72	19.82	19.74	21.5	0		
15	16QAM	25	12	19.72	19.82	19.74				
15	16QAM	25	25	19.69	19.70	19.61	21.5	0		
15	16QAM	25	25	19.70	19.86	19.66				
15	256QAM	1	0	17.64	17.60	17.71	19.5	2		
15	256QAM	1	25	17.62	17.74	17.66				
15	256QAM	1	74	17.61	17.71	17.68	19.5	2		
15	256QAM	25	0	17.71	17.71	17.69				
15	256QAM	25	12	17.63	17.62	17.58	19.5	2		
15	256QAM	25	12	17.68	17.68	17.55				
15	256QAM	50	0	17.60	17.63	17.63	19.5	2		
15	256QAM	50	0	17.60	17.63	17.63				
Channel										
Frequency (MHz)										
15	QPSK	1	0	16.60	16.66	16.50	21.5	0		
15	QPSK	1	0	20.31	20.42	20.30				
15	QPSK	1	20	20.23	20.37	20.27	21.5	0		
15	QPSK	1	49	20.27	20.30	20.19				
15	QPSK	25	0	20.15	20.31	20.14	21.5	0		
15	QPSK	25	20	20.13	20.33	20.18				
15	QPSK	25	25	20.13	20.27	20.20	21.5	0		
15	QPSK	50	0	20.21	20.31	20.17				
15	QPSK	50	0	20.19	20.29	20.23	21.5	0		
15	QPSK	50	24	20.04	20.17	20.07				
15	16QAM	1	49	20.17	20.29	20.25	21.5	0		
15	16QAM	1	25	20.04	20.17	20.07				
15	16QAM	1	49	20.17	20.29	20.25	21.5	0		
15	16QAM	1	25	20.04	20.17	20.07				
15	16QAM	25	12	19.72	19.82	19.74	21.5	0		
15	16QAM	25	12	19.72	19.82	19.74				
15	16QAM	25	25	19.69	19.70	19.61	21.5	0		
15	16QAM	25	25	19.70	19.86	19.66				
15	256QAM	1	0	17.64	17.60	17.71	19.5	2		
15	256QAM	1	25	17.62	17.74	17.66				
15	256QAM	1	74	17.61	17.71	17.68	19.5	2		
15	256QAM	25	0	17.71	17.71	17.69				
15	256QAM	25	12	17.63	17.62	17.58	19.5	2		
15	256QAM	25	12	17.68	17.68	17.55				
15	256QAM	50	0	17.60	17.63	17.63	19.5	2		
15	256QAM	50	0	17.60	17.63	17.63				
Channel										
Frequency (MHz)										
15	QPSK	1	0	20.31	20.42	20.30	21.5	0		
15	QPSK	1	20	20.23	20.37	20.27				



Band 12 Ant1 DS16														
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Turn-up Int. (dB)	MPR (dB)						
Channel														
Frequency (MHz)														
16	QPSK	1	0	22.60	22.76	22.71			24	0				
16	QPSK	1	25	22.59	22.68	22.63								
16	QPSK	1	49	22.42	22.62	22.48								
16	QPSK	25	0	22.66	22.75	22.83			24	0				
16	QPSK	25	12	22.52	22.66	22.62								
16	QPSK	25	26	22.95	22.68	22.58								
16	16QAM	1	0	22.63	22.74	22.60			24	0				
16	16QAM	1	25	22.56	22.53	22.56								
16	16QAM	1	49	22.43	22.47	22.54								
16	16QAM	25	0	22.22	22.32	22.24			23.5	0.5				
16	16QAM	25	12	22.10	22.12	22.15								
16	16QAM	25	26	22.21	22.29	22.23								
16	16QAM	50	0	22.21	22.29	22.23			23.5	0.5				
16	16QAM	1	0	22.22	22.30	22.23								
16	16QAM	1	25	22.13	22.07	22.15								
16	16QAM	1	49	22.11	22.12	22.10			22.5	1.5				
16	16QAM	25	0	21.15	21.26	21.18								
16	16QAM	25	12	21.16	21.16	21.19								
16	16QAM	25	26	21.23	21.23	21.24			20.5	3.5				
16	16QAM	50	0	21.15	21.28	21.18								
16	256QAM	1	0	19.20	19.24	19.13								
16	256QAM	1	25	19.07	19.12	19.07			20.5	3.5				
16	256QAM	1	49	19.06	19.06	19.06								
16	256QAM	25	0	19.18	19.25	19.27								
16	256QAM	25	12	19.18	19.25	19.27			20.5	3.5				
16	256QAM	25	26	19.25	19.25	19.23								
16	256QAM	50	0	19.13	19.27	19.16								
Channel														
Frequency (MHz)														
5	QPSK	1	0	22.56	22.68	22.67			24	0				
5	QPSK	1	12	22.50	22.61	22.48								
5	QPSK	1	24	22.43	22.66	22.34								
5	QPSK	1	49	22.56	22.67	22.56			24	0				
5	QPSK	12	7	22.45	22.56	22.55								
5	QPSK	12	13	22.40	22.63	22.51								
5	QPSK	12	19	22.49	22.63	22.51			24	0				
5	QPSK	25	0	22.50	22.66	22.61								
5	16QAM	1	0	22.54	22.71	22.50								
5	16QAM	1	12	22.45	22.63	22.44			24	0				
5	16QAM	1	24	22.32	22.39	22.39								
5	16QAM	1	49	22.19	22.17	22.13								
5	16QAM	12	7	22.05	22.04	22.06			23.5	0.5				
5	16QAM	12	13	22.06	22.00	22.07								
5	16QAM	12	19	22.18	22.18	22.11								
5	16QAM	1	0	22.08	22.24	22.17			23.5	0.5				
5	16QAM	1	12	22.02	22.00	22.06								
5	16QAM	1	24	22.01	22.03	22.03								
5	16QAM	12	0	21.09	21.23	21.17			22.5	1.5				
5	16QAM	12	7	21.06	21.07	21.05								
5	16QAM	12	13	21.08	21.10	21.03								
5	16QAM	25	0	21.09	21.17	21.03			20.5	3.5				
5	16QAM	25	12	21.03	21.15	21.06								
5	256QAM	1	0	19.18	19.19	19.05								
5	256QAM	1	12	19.03	19.11	19.07			20.5	3.5				
5	256QAM	1	24	18.96	18.91	18.86								
5	256QAM	1	49	19.03	19.03	19.02								
5	256QAM	12	0	19.03	19.11	19.20			20.5	3.5				
5	256QAM	12	13	19.22	19.16	19.14								
5	256QAM	25	0	19.04	19.16	19.05								
Channel														
Frequency (MHz)														
3	QPSK	1	0	22.47	22.72	22.59			24	0				
3	QPSK	1	8	22.50	22.66	22.62								
3	QPSK	1	16	22.42	22.65	22.51								
3	QPSK	8	0	22.60	22.60	22.54			24	0				
3	QPSK	8	0	22.45	22.52	22.50								
3	QPSK	8	7	22.51	22.59	22.43								
3	QPSK	16	0	22.58	22.63	22.63			24	0				
3	16QAM	1	0	22.49	22.68	22.50								
3	16QAM	1	8	22.43	22.41	22.48								
3	16QAM	1	14	22.38	22.43	22.43			23.5	0.5				
3	16QAM	8	0	22.11	22.27	22.11								
3	16QAM	8	4	22.06	22.03	22.03								
3	16QAM	15	0	21.98	21.99	22.05			22.5	1.5				
3	16QAM	15	0	22.14	22.21	22.13								
3	16QAM	1	0	22.09	22.19	22.10								
3	16QAM	1	8	22.01	22.01	22.03			22.5	1.5				
3	16QAM	1	14	22.07	22.01	22.01								
3	16QAM	1	21	21.09	21.09	21.10								
3	16QAM	8	4	21.13	21.13	21.08			20.5	3.5				
3	16QAM	8	7	21.20	21.16	21.20								
3	16QAM	15	0	21.07	21.15	21.06								
3	256QAM	1	0	19.18	19.19	19.05			20.5	3.5				
3	256QAM	1	8	19.06	18.97	18.92								
3	256QAM	1	14	19.08	19.05	19.04								
3	256QAM	8	4	19.04	19.10	19.19			20.5	3.5				
3	256QAM	8	7	19.10	19.13	19.11								
3	256QAM	15	0	19.08	19.23	19.09								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	22.46	22.67	22.58			24	0				
1.4	QPSK	1	3	22.44	22.59	22.58								
1.4	QPSK	1	5	22.41	22.58	22.56								
1.4	QPSK	1	14	22.42	22.50	22.42			24	0				
1.4	QPSK	8	0	22.60	22.60	22.54								
1.4	QPSK	8	0	22.45	22.52	22.50								
1.4	QPSK	8	7	22.51	22.59	22.43			24	0				
1.4	QPSK	16	0	22.58	22.63	22.63								
1.4	16QAM	1	0	22.49	22.68	22.50								
1.4	16QAM	1	8	22.43	22.41	22.48			24	0				
1.4	16QAM	1	14	22.38	22.43	22.43								
1.4	16QAM	8	0	22.06	22.03	22.03								
1.4	16QAM	8	4	22.06	22.03	22.03			23.5	0.5				
1.4	16QAM	15	0	21.98	21.99	22.05								
1.4	16QAM	15	0	22.14	22.21	22.16								
1.4	16QAM	1	8	22.01	22.01	22.03			23.5	0.5				
1.4	16QAM	1	14	22.07	22.01	22.01								
1.4	16QAM	1	21	21.09	21.09	21.10								
1.4	16QAM	8	4	21.13	21.13	21.08			22.5	1.5				
1.4	16QAM	8	7	21.20	21.16	21.20								
1.4	16QAM	15	0	21.07	21.15	21.06								
1.4	256QAM	1	0	19.18	19.19	19.05			20.5	3.5				
1.4	256QAM	1	8	19.06	18.97	18.92								
1.4	256QAM	1	14	19.08	19.05	19.04								
1.4	256QAM	8	4	19.04	19.10	19.19			20.5	3.5				
1.4	256QAM	8	7	19.10	19.13	19.11								
1.4	256QAM	15	0	19.08	19.23	19.09								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	22.46	22.67	22.58			24	0				
1.4	QPSK	1	3	22.44	22.59	22.58								
1.4	QPSK	1	5	22.41	22.58	22.56								
1.4	QPSK	1	14	22.42	22.50	22.42			24	0				
1.4	QPSK	8	0	22.60	22.60	22.54								
1.4	QPSK	8	0	22.45	22.52	22.50								
1.4	QPSK	8	7	22.51	22.59	22.43			24	0				
1.4	QPSK	16	0	22.58	22.63	22.63								
1.4	16QAM	1	0	22.49	22.68	22.50								
1.4	16QAM	1	8	22.43	22.41	22.48			24	0				
1.4	16QAM	1	14	22.38	22.43	22.43								
1.4	16QAM	8	0	22.06	22.03	22.03								
1.4	16QAM	8	4	22.06	22.03	22.03			23.5	0.5				
1.4	16QAM	15	0	21.98	21.99	22.05								
1.4	16QAM	15	0	22.10	22.18	22.15								
1.4	16QAM	1	8	22.02	22.02	22.05			23.5	0.5				
1.4	16QAM	1	14	22.02	22.08	22.09								
1.4	16QAM	1	21	22.10	22.10	22.14								
1.4	16QAM	8	4	22.09	22.07	22.05			22.5	1.5				
1.4	16QAM	8	7	22.20	22.16	22.14								
1.4	16QAM	15	0	22.10	22.18	22.14								
1.4	256QAM	1	0	19.07	19.14	19.04			20.5	3.5				
1.4	256QAM	1	8	18.95	19.02	18.92								
1.4	256QAM	1	14	19.01	18.98	18.87								
1.4	256QAM	8	4	19.07	19.20	19.20			20.5	3.5				
1.4	256QAM	8	7	19.11	19.13	19.23								
1.4	256QAM	15	0	19.11	19.19	19.19								
1.4	256QAM	6	0	19.05	19.21	19.12								
1.4	256QAM	6	0	19.05	19.21	19.12								

Band 26 Ant1 DSI6														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq. (dBm)	Power High Ch / Freq. (dBm)	Power High Ch / Freq. (dBm)	Time-up Int. (sec)	MPE (dB)						
Channel														
Frequency (MHz)														
811.5 811.5 811.5														
15	QPSK	1	0	22.63	22.66	22.61	24	0						
15	QPSK	1	37	22.43	22.50	22.46								
15	QPSK	1	74	22.48	22.95	22.41								
15	QPSK	36	0	22.50	22.69	22.64								
15	QPSK	36	20	22.35	22.42	22.38	24	0						
15	QPSK	36	38	22.39	22.49	22.42								
15	QPSK	75	0	22.30	22.45	22.33								
15	16QAM	1	0	22.14	22.24	22.19								
15	16QAM	1	37	22.37	22.40	22.39	24	0						
15	16QAM	1	74	22.32	22.51	22.45								
15	16QAM	36	0	22.03	22.08	21.99								
15	16QAM	36	20	21.81	21.84	21.82								
15	16QAM	36	39	21.91	21.85	21.90	23.5	0.5						
15	16QAM	75	0	21.96	22.06	21.95								
15	64QAM	1	0	22.01	22.12	22.01								
15	64QAM	1	37	21.92	21.81	21.87								
15	64QAM	1	74	21.89	21.90	21.94	23.5	0.5						
15	64QAM	36	0	21.06	21.10	21.07								
15	64QAM	36	20	21.02	21.14	21.06								
15	64QAM	39	21.10	21.08	20.99	21.07								
15	64QAM	75	0	20.88	20.99	20.87	22.5	1.5						
15	256QAM	1	0	19.01	19.09	18.95								
15	256QAM	1	37	18.87	18.84	18.87								
15	256QAM	1	74	18.92	18.90	18.91								
15	256QAM	36	0	18.99	19.02	18.91	20.5	3.5						
15	256QAM	36	20	19.01	19.00	19.07								
15	256QAM	36	39	18.98	19.02	18.91								
15	256QAM	75	0	18.84	18.87	18.88								
Channel														
Frequency (MHz)														
811.5 811.5 811.5														
10	QPSK	1	0	22.52	22.52	22.41	24	0						
10	QPSK	1	25	22.33	22.43	22.41								
10	QPSK	1	49	22.43	22.49	22.36								
10	QPSK	25	0	22.40	22.48	22.48								
10	QPSK	25	12	22.26	22.38	22.26	24	0						
10	QPSK	25	20	22.32	22.40	22.27								
10	QPSK	50	0	22.17	22.37	22.24								
10	16QAM	1	0	22.40	22.49	22.40								
10	16QAM	1	25	22.22	22.27	22.30	24	0						
10	16QAM	1	49	22.22	22.39	22.39								
10	16QAM	25	0	21.95	21.97	21.91								
10	16QAM	25	12	21.75	21.76	21.74								
10	16QAM	25	25	21.75	21.72	21.87	23.5	0.5						
10	16QAM	50	0	21.88	21.96	21.88								
10	64QAM	1	0	21.88	22.06	21.96								
10	64QAM	1	25	21.88	21.70	21.77								
10	64QAM	1	49	21.83	21.84	21.87	23.5	0.5						
10	64QAM	25	0	20.94	21.05	20.94								
10	64QAM	25	12	20.87	21.03	20.95								
10	64QAM	25	25	20.98	21.04	20.95								
10	64QAM	50	0	20.78	20.83	20.82	22.5	1.5						
10	256QAM	1	0	18.91	18.96	18.85								
10	256QAM	1	25	18.79	18.75	18.83								
10	256QAM	1	49	18.81	18.86	18.86								
10	256QAM	36	0	18.86	18.96	18.93	20.5	3.5						
10	256QAM	36	20	18.93	18.92	18.94								
10	256QAM	25	12	18.93	18.92	18.94								
10	256QAM	25	25	18.92	18.88	18.87								
10	256QAM	50	0	18.71	18.89	18.78	20.5	3.5						
Channel														
Frequency (MHz)														
811.5 811.5 811.5														
5	QPSK	1	0	22.52	22.52	22.39	24	0						
5	QPSK	1	12	22.28	22.44	22.41								
5	QPSK	1	24	22.44	22.47	22.35								
5	QPSK	12	0	22.39	22.52	22.49								
5	QPSK	12	7	22.39	22.31	22.25	24	0						
5	QPSK	12	13	22.27	22.37	22.38								
5	QPSK	25	0	22.28	22.42	22.25								
5	16QAM	1	0	22.46	22.49	22.38								
5	16QAM	1	12	22.34	22.33	22.33	24	0						
5	16QAM	1	24	22.30	22.38	22.40								
5	16QAM	12	0	21.96	21.98	21.89								
5	16QAM	12	7	21.79	21.79	21.73								
5	16QAM	12	13	21.79	21.75	21.83	23.5	0.5						
5	16QAM	25	0	21.86	21.91	21.81								
5	64QAM	1	0	21.94	22.07	21.93								
5	64QAM	1	12	21.88	21.71	21.81								
5	64QAM	1	24	21.85	21.81	21.81	23.5	0.5						
5	64QAM	12	0	21.00	20.99	20.98								
5	64QAM	12	7	20.95	21.10	21.01								
5	64QAM	12	13	21.96	20.99	20.95								
5	64QAM	25	0	20.74	20.89	20.80	22.5	1.5						
5	256QAM	1	0	18.87	18.96	18.81								
5	256QAM	1	12	18.75	18.70	18.76								
5	256QAM	1	24	18.82	18.75	18.77								
5	256QAM	12	0	18.95	18.94	18.87	20.5	3.5						
5	256QAM	12	7	18.89	18.95	18.97								
5	256QAM	12	13	18.94	18.88	18.93								
5	256QAM	25	0	18.75	18.91	18.79								
Channel														
Frequency (MHz)														
811.5 811.5 811.5														
3	QPSK	1	0	22.59	22.59	22.40	24	0						
3	QPSK	1	8	22.31	22.38	22.40								
3	QPSK	1	14	22.41	22.44	22.27								
3	QPSK	8	0	22.38	22.48	22.48								
3	QPSK	8	4	22.31	22.35	22.26	24	0						
3	QPSK	8	7	22.24	22.46	22.37								
3	QPSK	16	0	22.19	22.41	22.23								
3	16QAM	1	0	22.44	22.54	22.53								
3	16QAM	1	8	22.27	22.31	22.28	24	0						
3	16QAM	1	14	22.26	22.40	22.40								
3	16QAM	8	0	21.99	22.04	21.88								
3	16QAM	8	4	21.71	21.76	21.71								
3	16QAM	8	7	21.77	21.75	21.83	23.5	0.5						
3	16QAM	15	0	21.86	21.95	21.87								
3	64QAM	1	0	21.90	22.05	21.93								
3	64QAM	1	8	21.70	21.74	21.82								
3	64QAM	1	14	21.80	21.82	21.82	22.5	1.5						
3	64QAM	8	0	21.01	21.81	20.92								
3	64QAM	8	4	20.90	21.02	20.95								
3	64QAM	8	7	20.98	21.03	20.90								
3	64QAM	15	0	20.83	20.89	20.79	20.5	3.5						
3	256QAM	1	0	18.86	18.94	18.83								
3	256QAM	1	8	18.75	18.72	18.77								
3	256QAM	1	14	18.84	18.84	18.85								
3	256QAM	8	0	18.92	18.96	18.94								
3	256QAM	8	4	18.96	18.95	18.95								
3	256QAM	8	7	18.93	18.93	18.93								
3	256QAM	15	0	18.80	18.83	18.83								
Channel														
Frequency (MHz)														
811.7 811.5 811.5														
1.4	QPSK	1	0	22.52	22.52	22.40	24	0						
1.4	QPSK	1	8	22.29	22.39	22.39								
1.4	QPSK	1	14	22.41	22.44	22.27								
1.4	QPSK	8	0	22.38	22.48	22.48								
1.4	QPSK	8	4	22.31	22.35	22.26	24	0						
1.4	QPSK	8	7	22.24	22.46	22.37								
1.4	QPSK	16	0	22.19	22.41	22.23								
1.4	16QAM	1	0	22.44	22.54	22.53								
1.4	16QAM	1	8	22.27	22.31	22.28	24	0						
1.4	16QAM	1	14	22.26	22.40	22.40								
1.4	16QAM	8	0	21.99	22.04	21.88								
1.4	16QAM	8	4	21.71	21.76	21.71								
1.4	16QAM	8	7	21.77	21.75	21.83	23.5	0.5						
1.4	16QAM	15	0	21.86	21.95	21.87								
1.4	64QAM	1	0	21.90	22.05	21.93								
1.4	64QAM	1	8	21.70	21.74	21.82								
1.4	64QAM	1	14	21.80	21.82	21.82	22.5	1.5						
1.4	64QAM	8	0	21.01	21.81	20.92								
1.4	64QAM	8	4	20.90	21.02	20.95								
1.4	64QAM	8	7	20.98	21.03	20.90								
1.4	64QAM	15	0	20.83	20.89	20.79	20.5	3.5						
1.4	256QAM	1	0	18.86	18.94	18.83								
1.4	256QAM	1	8	18.75	18.72	18.77								
1.4	256QAM	1	14	18.84	18.84	18.85								
1.4	256QAM	8	0	18.92	18.96	18.94								
1.4	256QAM	8	4	18.96	18.95	18.95								
1.4	256QAM	8	7	18.93	18.93	18.93								
1.4	256QAM	15	0	18.80	18.83	18.83								
Channel														
Frequency (MHz)														
811.7 811.5 811.5														
1.4	QPSK	1	0	22.52	22.52	22.40	24	0						
1.4	QPSK	1	8	22.29	22.39	22.39								
1.4	QPSK	1	14	22.41	22.44	22.27								
1.4	QPSK	8	0	22.38	22.48	22.48								
1.4	QPSK	8	4	22.31	22.35	22.26	24	0						
1.4	QPSK	8	7	22.24	22.46	22.37								
1.4	QPSK	16	0	22.19	22.41	22.23								
1.4	16QAM	1	0	22.44	22.54	22.53								
1.4	16QAM	1	8	22.27	22.31	22.28	24	0						
1.4	16QAM	1	14	22.26	22.40	22.40								
1.4	16QAM	8	0	21.99	22.04	21.88								
1.4	16QAM	8	4	21.71	21.76	21.71								
1.4	16QAM	8	7	21.77	21.75	21.83	23.5	0.5						
1.4	16QAM	15	0	21.86	21.95	21.87								
1.4	64QAM	1	0	21.90	22.05	21.93								
1.4	64QAM	1	8	21.81	21.67	21.82								
1.4	64QAM	1	14	21.85	21.84	21.87	22.5	1.5						
1.4	64QAM	8	0	21.01	21.82	20.93								
1.4	64QAM	8	4	20.90	21.02	20.95								
1.4	64QAM	8	7	20.98	21.03	20.90								
1.4	64QAM	15	0	20.83	20.89	20.79	22.5	1.5						
1.4	256QAM	1	0	18.86	18.90	18.87								
1.4	256QAM	1	8	18.75	18.72	18.77								
1.4	256QAM	1	14	18.84	18.84	18.85								
1.4	256QAM	8	0	18.92	18.96	18.94								
1.4	256QAM	8	4	18.96	18.95	18.95								
1.4	256QAM													

Band 38 PC3 Ant1 DSI6									
BW [MHz]	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	21.82	22.01	21.87	23	0	
20	QPSK	1	49	21.81	21.97	21.81			
20	QPSK	1	99	21.74	21.90	21.81			
20	QPSK	50	0	21.84	21.53	21.80	23	0	
20	QPSK	50	24	21.87	21.82	21.74			
20	QPSK	50	50	21.86	21.91	21.79			
20	QPSK	100	0	21.87	21.54	21.75	23	0	
20	16QAM	1	0	21.70	21.95	21.69			
20	16QAM	1	49	21.76	21.84	21.78			
20	16QAM	1	99	21.68	21.79	21.68	23	0	
20	16QAM	50	0	21.80	21.77	21.68			
20	16QAM	50	24	21.76	21.89	21.70			
20	16QAM	50	50	21.78	21.84	21.66	23	0	
20	16QAM	100	0	21.78	21.89	21.70			
20	64QAM	1	0	21.65	21.97	21.76			
20	64QAM	1	49	21.76	21.93	21.67	23	0	
20	64QAM	1	99	21.58	21.86	21.77			
20	64QAM	50	0	21.80	21.82	21.63			
20	64QAM	50	24	21.76	21.82	21.70	23	0	
20	64QAM	50	50	21.77	21.80	21.72			
20	64QAM	100	0	21.72	21.81	21.65			
20	256QAM	1	0	19.90	20.12	19.97	21	2	
20	256QAM	1	49	19.92	20.10	19.90			
20	256QAM	1	99	19.92	20.01	19.94			
20	256QAM	50	0	19.87	19.99	19.93	21	2	
20	256QAM	50	24	19.92	20.03	19.88			
20	256QAM	50	50	19.89	20.02	19.83			
20	256QAM	100	0	19.95	19.96	19.91	Tune-up limit (dBm)	MPR (dB)	
Channel				37825	38000	38175			
Frequency (MHz)				2572.5	2595	2612.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	21.74	21.89	21.80			
15	QPSK	1	37	21.66	21.94	21.65	23	0	
15	QPSK	1	74	21.67	21.83	21.74			
15	QPSK	36	0	21.78	21.88	21.63			
15	QPSK	36	20	21.82	21.79	21.71	23	0	
15	QPSK	36	39	21.75	21.78	21.76			
15	QPSK	75	0	21.82	21.86	21.75			
15	16QAM	1	0	21.57	21.93	21.63	23	0	
15	16QAM	1	37	21.70	21.80	21.70			
15	16QAM	1	74	21.64	21.71	21.54			
15	16QAM	36	0	21.69	21.63	21.50	23	0	
15	16QAM	36	20	21.69	21.85	21.55			
15	16QAM	36	39	21.65	21.81	21.63			
15	16QAM	75	0	21.75	21.84	21.65	23	0	
15	64QAM	1	0	21.52	21.87	21.66			
15	64QAM	1	37	21.65	21.88	21.64			
15	64QAM	1	74	21.41	21.76	21.72	23	0	
15	64QAM	36	0	21.67	21.70	21.47			
15	64QAM	36	20	21.63	21.64	21.53			
15	64QAM	36	39	21.72	21.63	21.66	23	0	
15	64QAM	75	0	21.58	21.75	21.49			
15	256QAM	1	0	19.85	19.95	19.81			
15	256QAM	1	37	19.85	20.05	19.73	21	2	
15	256QAM	1	74	19.81	19.94	19.89			
15	256QAM	36	0	19.78	19.83	19.84			
15	256QAM	36	20	19.85	19.85	19.73	21	2	
15	256QAM	36	39	19.84	19.92	19.67			
15	256QAM	75	0	19.79	19.94	19.77			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	21.78	21.94	21.77	23	0	
10	QPSK	1	25	21.64	21.91	21.78			
10	QPSK	1	49	21.69	21.74	21.65			
10	QPSK	25	0	21.68	21.87	21.71	23	0	
10	QPSK	25	12	21.82	21.80	21.57			
10	QPSK	25	25	21.72	21.89	21.74			
10	QPSK	50	0	21.74	21.82	21.69	23	0	
10	16QAM	1	0	21.57	21.78	21.52			
10	16QAM	1	25	21.68	21.78	21.71			
10	16QAM	1	49	21.55	21.67	21.53	23	0	
10	16QAM	25	0	21.69	21.69	21.65			
10	16QAM	25	12	21.71	21.78	21.67			
10	16QAM	25	25	21.63	21.75	21.53	23	0	
10	16QAM	50	0	21.69	21.73	21.55			
10	64QAM	1	0	21.50	21.91	21.72			
10	64QAM	1	25	21.61	21.91	21.57	23	0	
10	64QAM	1	49	21.44	21.68	21.67			
10	64QAM	25	0	21.65	21.78	21.54			
10	64QAM	25	12	21.71	21.75	21.55	23	0	
10	64QAM	25	25	21.64	21.77	21.70			
10	64QAM	50	0	21.58	21.69	21.57			
10	256QAM	1	0	19.76	19.97	19.85	21	2	
10	256QAM	1	25	19.75	19.99	19.87			
10	256QAM	1	49	19.88	19.94	19.81			
10	256QAM	25	0	19.78	19.85	19.88	21	2	
10	256QAM	25	12	19.76	19.91	19.80			
10	256QAM	25	25	19.81	20.00	19.71			
10	256QAM	50	0	19.90	19.92	19.77	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	21.64	21.93	21.70			
5	QPSK	1	12	21.67	21.81	21.71	23	0	
5	QPSK	1	24	21.58	21.82	21.75			
5	QPSK	12	0	21.70	21.88	21.72			
5	QPSK	12	7	21.75	21.82	21.64	23	0	
5	QPSK	12	13	21.78	21.86	21.67			
5	QPSK	25	0	21.70	21.89	21.73			
5	16QAM	1	0	21.63	21.81	21.64	23	0	
5	16QAM	1	12	21.65	21.80	21.61			
5	16QAM	1	24	21.55	21.73	21.52			
5	16QAM	12	0	21.67	21.60	21.60	23	0	
5	16QAM	12	7	21.74	21.73	21.57			
5	16QAM	12	13	21.64	21.80	21.53			
5	16QAM	25	0	21.75	21.80	21.54	23	0	
5	64QAM	1	0	21.58	21.90	21.67			
5	64QAM	1	12	21.70	21.78	21.58			
5	64QAM	1	24	21.48	21.82	21.67	23	0	
5	64QAM	12	0	21.72	21.76	21.59			
5	64QAM	12	7	21.73	21.75	21.55			
5	64QAM	12	13	21.70	21.75	21.68	23	0	
5	64QAM	25	0	21.64	21.77	21.53			
5	256QAM	1	0	19.87	20.08	19.87			
5	256QAM	1	12	19.78	19.99	19.74	21	2	
5	256QAM	1	24	19.76	19.90	19.84			
5	256QAM	12	0	19.78	19.87	19.81			
5	256QAM	12	7	19.85	19.86	19.81	21	2	
5	256QAM	12	13	19.75	19.99	19.74			
5	256QAM	25	0	19.87	19.80	19.86			

Band 38 PC2 Ant1 DSI6									
BW [MHz]	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	24.34	24.46	24.39	26	0	
20	QPSK	1	49	24.38	24.44	24.38			
20	QPSK	1	99	24.33	24.38	24.35			
20	QPSK	50	0	24.28	24.45	24.38			
20	QPSK	50	24	24.29	24.36	24.28	26	0	
20	QPSK	50	50	24.28	24.40	24.37			
20	QPSK	100	0	24.40	24.42	24.37			
20	16QAM	1	0	24.36	24.43	24.33			
20	16QAM	1	49	24.36	24.38	24.36	26	0	
20	16QAM	1	99	24.23	24.35	24.26			
20	16QAM	50	0	24.29	24.35	24.29			
20	16QAM	50	24	24.32	24.39	24.29			
20	16QAM	50	50	24.25	24.32	24.29	26	0	
20	16QAM	100	0	24.36	24.39	24.38			
20	64QAM	1	0	24.34	24.40	24.32			
20	64QAM	1	49	24.26	24.34	24.32			
20	64QAM	1	99	24.30	24.34	24.27	26	0	
20	64QAM	50	0	24.23	24.35	24.23			
20	64QAM	50	24	24.18	24.31	24.20			
20	64QAM	50	50	24.24	24.30	24.23			
20	64QAM	100	0	24.34	24.35	24.29	26	0	
20	256QAM	1	0	23.11	23.22	23.12			
20	256QAM	1	49	23.15	23.26	23.22			
20	256QAM	1	99	23.20	23.25	23.21			
20	256QAM	50	0	22.97	23.07	22.94	24.5	1.5	
20	256QAM	50	24	23.11	23.15	23.11			
20	256QAM	50	50	23.10	23.13	23.00			
20	256QAM	100	0	23.06	23.14	23.01			
Channel				37875	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	24.17	24.30	24.23			
15	QPSK	1	37	24.30	24.37	24.33			
15	QPSK	1	74	24.27	24.22	24.33			
15	QPSK	36	0	24.14	24.33	24.23			
15	QPSK	36	20	24.22	24.32	24.13	26	0	
15	QPSK	36	39	24.18	24.24	24.24			
15	QPSK	75	0	24.37	24.39	24.34			
15	16QAM	1	0	24.29	24.23	24.22			
15	16QAM	1	37	24.20	24.20	24.21	26	0	
15	16QAM	1	74	24.08	24.24	24.14			
15	16QAM	36	0	24.23	24.18	24.18			
15	16QAM	36	20	24.20	24.22	24.20			
15	16QAM	36	39	24.14	24.22	24.15	26	0	
15	16QAM	75	0	24.18	24.27	24.25			
15	64QAM	1	0	24.20	24.37	24.26			
15	64QAM	1	37	24.23	24.24	24.22			
15	64QAM	1	74	24.27	24.26	24.24	26	0	
15	64QAM	36	0	24.14	24.26	24.15			
15	64QAM	36	20	24.11	24.24	24.11			
15	64QAM	36	39	24.27	24.26	24.10			
15	64QAM	75	0	24.21	24.32	24.17	24.5	1.5	
15	256QAM	1	0	23.08	23.17	23.06			
15	256QAM	1	37	23.17	23.14	23.12			
15	256QAM	1	74	23.17	23.12	23.05			
15	256QAM	36	0	22.80	22.92	22.76	24.5	1.5	
15	256QAM	36	20	22.93	23.03	23.08			
15	256QAM	36	39	22.92	23.05	22.84			
15	256QAM	75	0	22.93	23.04	22.86			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				25875	2595	2615	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	24.21	24.34	24.24			
10	QPSK	1	25	24.22	24.29	24.24			
10	QPSK	1	49	24.23	24.28	24.28			
10	QPSK	25	0	24.22	24.36	24.34			
10	QPSK	25	12	24.26	24.31	24.14	26	0	
10	QPSK	25	25	24.10	24.26	24.27			
10	QPSK	50	0	24.37	24.39	24.24			
10	16QAM	1	0	24.34	24.32	24.27			
10	16QAM	1	25	24.22	24.27	24.21	26	0	
10	16QAM	1	49	24.06	24.28	24.22			
10	16QAM	25	0	24.18	24.32	24.23			
10	16QAM	25	12	24.17	24.22	24.27			
10	16QAM	25	25	24.08	24.14	24.17	26	0	
10	16QAM	50	0	24.19	24.35	24.14			
10	64QAM	1	0	24.30	24.37	24.29			
10	64QAM	1	25	24.17	24.25	24.25			
10	64QAM	1	49	24.25	24.23	24.11	26	0	
10	64QAM	25	0	24.09	24.21	24.12			
10	64QAM	25	12	24.11	24.14	24.16			
10	64QAM	25	25	24.13	24.15	24.06			
10	64QAM	50	0	24.26	24.22	24.23	24.5	1.5	
10	256QAM	1	0	23.01	23.16	23.08			
10	256QAM	1	25	23.01	23.18	23.09			
10	256QAM	1	49	23.14	23.17	23.10			
10	256QAM	25	0	22.84	22.99	22.83	24.5	1.5	
10	256QAM	25	12	23.08	23.02	22.99			
10	256QAM	25	25	23.05	23.06	22.92			
10	256QAM	50	0	22.89	23.11	22.95			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	24.18	24.32	24.33			
5	QPSK	1	12	24.23	24.36	24.33			
5	QPSK	1	24	24.17	24.28	24.19			
5	QPSK	12	0	24.19	24.40	24.25			
5	QPSK	12	7	24.26	24.33	24.17	26	0	
5	QPSK	12	13	24.13	24.32	24.31			
5	QPSK	25	0	24.37	24.32	24.26			
5	16QAM	1	0	24.27	24.31	24.19			
5	16QAM	1	12	24.26	24.25	24.25	26	0	
5	16QAM	1	24	24.17	24.18	24.10			
5	16QAM	12	0	24.26	24.21	24.25			
5	16QAM	12	7	24.27	24.29	24.15			
5	16QAM	12	13	24.16	24.24	24.24	26	0	
5	16QAM	25	0	24.24	24.24	24.17			
5	64QAM	1	0	24.28	24.32	24.18			
5	64QAM	1	12	24.22	24.30	24.15			
5	64QAM	1	24	24.20	24.16	24.11	26	0	
5	64QAM	12	0	24.07	24.19	24.20			
5	64QAM	12	7	24.09	24.20	24.06			
5	64QAM	12	13	24.13	24.28	24.19			
5	64QAM	25	0	24.21	24.24	24.12	24.5	1.5	
5	256QAM	1	0	22.96	23.13	22.97			
5	256QAM	1	12	22.98	23.12	23.06			
5	256QAM	1	24	23.03	23.13	23.14			
5	256QAM	12	0	22.99	22.93	22.77	24.5	1.5	
5	256QAM	12	7	23.00	23.01	23.09			
5	256QAM	12	13	23.02	23.03	22.85			
5	256QAM	25	0	22.94	23.10	22.92			



Band 41 PC3 Ant1 DSI6											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle 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	21.88	21.95	22.09	21.92	21.65		23	0
20	QPSK	1	49	21.82	21.91	21.97	21.87	21.79			
20	QPSK	1	99	21.88	21.93	21.96	21.82	21.84			
20	QPSK	50	0	21.88	21.85	22.07	21.92	21.85			
20	QPSK	50	24	21.82	21.90	22.01	21.91	22.03		23	0
20	QPSK	50	50	21.89	21.93	22.05	21.89	21.90			
20	QPSK	100	0	21.95	21.95	22.04	22.00	21.98			
20	16QAM	1	0	22.01	21.90	22.03	21.92	21.95			
20	16QAM	1	49	21.80	21.87	21.94	21.86	21.90		23	0
20	16QAM	1	99	21.84	21.82	21.92	21.76	21.75			
20	16QAM	50	0	21.77	21.85	21.92	21.89	21.76			
20	16QAM	50	24	21.79	21.85	21.89	21.86	21.74		23	0
20	16QAM	50	50	21.72	21.80	21.87	21.80	21.75			
20	16QAM	100	0	21.93	21.93	21.98	21.94	21.84			
20	64QAM	1	0	22.03	21.96	22.05	21.93	21.98			
20	64QAM	1	49	21.79	21.82	21.89	21.79	21.79		23	0
20	64QAM	1	99	21.84	21.82	21.87	21.84	21.80			
20	64QAM	50	0	21.75	21.77	21.86	21.69	21.70			
20	64QAM	50	24	21.80	21.91	21.93	21.81	21.89		23	0
20	64QAM	50	50	21.87	21.80	21.91	21.75	21.87			
20	64QAM	100	0	21.82	21.77	21.86	21.71	21.69			
20	256QAM	1	0	19.93	19.93	19.98	19.84	19.84		21	2
20	256QAM	1	49	19.84	19.84	19.92	19.80	19.83			
20	256QAM	1	99	19.89	19.84	19.95	19.82	19.89			
20	256QAM	50	0	20.02	19.92	20.06	19.98	19.93			
20	256QAM	50	24	19.78	19.76	19.93	19.83	19.81		21	2
20	256QAM	50	50	19.78	19.81	19.88	19.77	19.75			
20	256QAM	100	0	20.01	19.96	20.11	20.16	20.05			
Channel				39725	40173	40620	41068	41515			
Frequency (MHz)				2503.5	2546.3	2593	2637.6	2682.5			
15	QPSK	1	0	21.73	21.81	22.02	21.75	21.52		23.00	0
15	QPSK	1	37	21.74	21.81	21.94	21.82	21.63			
15	QPSK	1	74	21.75	21.80	21.83	21.73	21.82			
15	QPSK	36	0	21.80	21.80	21.92	21.82	21.71			
15	QPSK	36	20	21.89	21.86	21.91	21.74	21.89		23	0
15	QPSK	36	39	21.74	21.77	22.02	21.75	21.80			
15	QPSK	75	0	21.92	21.87	21.95	21.90	21.94			
15	16QAM	1	0	21.81	21.79	21.92	21.82	21.86		23	0
15	16QAM	1	37	21.76	21.83	21.84	21.80	21.75			
15	16QAM	1	74	21.67	21.65	21.85	21.70	21.60			
15	16QAM	36	0	21.71	21.80	21.80	21.73	21.67			
15	16QAM	36	20	21.63	21.80	21.75	21.78	21.65		23	0
15	16QAM	36	39	21.61	21.65	21.81	21.73	21.61			
15	16QAM	75	0	21.66	21.76	21.91	21.83	21.79			
15	64QAM	1	0	22.00	21.90	21.93	21.76	21.96		23	0
15	64QAM	1	37	21.66	21.66	21.79	21.66	21.69			
15	64QAM	1	74	21.74	21.71	21.71	21.82	21.73			
15	64QAM	36	0	21.72	21.64	21.81	21.54	21.68			
15	64QAM	36	20	21.73	21.82	21.79	21.71	21.72		23	0
15	64QAM	36	39	21.70	21.67	21.77	21.64	21.74			
15	64QAM	75	0	21.67	21.61	21.79	21.60	21.65			
15	256QAM	1	0	19.82	19.90	19.92	19.75	19.71		21	2
15	256QAM	1	37	19.67	19.80	19.85	19.75	19.78			
15	256QAM	1	74	19.87	19.70	19.81	19.66	19.78			
15	256QAM	36	0	20.00	19.75	19.88	19.83	19.77		21	2
15	256QAM	36	20	19.75	19.69	19.82	19.81	19.69			
15	256QAM	36	39	19.64	19.65	19.77	19.70	19.67			
15	256QAM	75	0	19.80	19.84	20.01	20.07	19.98			
Channel				39700	40160	40620	41080	41540			
Frequency (MHz)				2501	2547	2593	2639	2685			
10	QPSK	1	0	21.79	21.85	22.02	21.76	21.61		23.00	0
10	QPSK	1	25	21.73	21.81	21.86	21.83	21.65			
10	QPSK	1	49	21.82	21.90	21.84	21.65	21.76			
10	QPSK	25	0	21.85	21.83	21.98	21.76	21.72			
10	QPSK	25	12	21.79	21.84	21.91	21.83	22.00		23	0
10	QPSK	25	25	21.78	21.86	21.95	21.87	21.83			
10	QPSK	50	0	21.87	21.77	21.98	21.93	21.91			
10	16QAM	1	0	21.99	21.82	21.98	21.86	21.79			
10	16QAM	1	25	21.68	21.74	21.87	21.74	21.82		23	0
10	16QAM	1	49	21.81	21.68	21.77	21.63	21.70			
10	16QAM	25	0	21.65	21.76	21.75	21.76	21.72			
10	16QAM	25	12	21.64	21.75	21.83	21.77	21.70		23	0
10	16QAM	25	25	21.67	21.63	21.79	21.75	21.66			
10	16QAM	50	0	21.80	21.74	21.92	21.82	21.76			
10	64QAM	1	0	21.89	21.92	21.99	21.79	21.84			
10	64QAM	1	25	21.65	21.65	21.72	21.67	21.64		23	0
10	64QAM	1	49	21.77	21.77	21.85	21.79	21.68			
10	64QAM	25	0	21.63	21.60	21.73	21.55	21.58			
10	64QAM	25	12	21.77	21.85	21.87	21.67	21.75		23	0
10	64QAM	25	25	21.77	21.75	21.86	21.73	21.71			
10	64QAM	50	0	21.78	21.68	21.72	21.58	21.61			
10	256QAM	1	0	19.90	19.83	19.85	19.70	19.76		21	2
10	256QAM	1	25	19.72	19.82	19.77	19.71	19.80			
10	256QAM	1	49	19.75	19.80	19.83	19.72	19.79			
10	256QAM	25	0	19.86	19.81	19.93	19.84	19.85			
10	256QAM	25	12	19.63	19.68	19.85	19.74	19.67		21	2
10	256QAM	25	25	19.68	19.76	19.83	19.65	19.65			
10	256QAM	50	0	19.89	19.78	20.04	20.13	19.92			
Channel				39675	40148	40620	41093	41565			
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5			
5	QPSK	1	0	21.82	21.89	21.99	21.87	21.58		23.00	0
5	QPSK	1	12	21.74	21.79	21.89	21.74	21.64			
5	QPSK	1	24	21.76	21.79	21.78	21.75	21.73			
5	QPSK	12	0	21.75	21.79	21.89	21.82	21.83		23	0
5	QPSK	12	7	21.86	21.81	22.00	21.74	21.94			
5	QPSK	12	13	21.77	21.80	21.99	21.85	21.82			
5	QPSK	25	0	21.87	21.81	21.87	21.84	21.93			
5	16QAM	1	0	21.96	21.78	21.98	21.90	21.85			
5	16QAM	1	12	21.66	21.70	21.81	21.71	21.76		23	0
5	16QAM	1	24	21.68	21.75	21.87	21.69	21.71			
5	16QAM	12	0	21.73	21.79	21.85	21.73	21.71			
5	16QAM	12	7	21.69	21.77	21.85	21.83	21.67		23	0
5	16QAM	12	13	21.69	21.70	21.83	21.66	21.61			
5	16QAM	25	0	21.78	21.77	21.85	21.75	21.80			
5	64QAM	1	0	21.87	21.85	21.93	21.81	21.86			
5	64QAM	1	12	21.74	21.66	21.83	21.63	21.75		23	0
5	64QAM	1	24	21.78	21.79	21.77	21.69	21.64			
5	64QAM	12	0	21.61	21.67	21.76	21.59	21.60			
5	64QAM	12	7	21.77	21.82	21.80	21.75	21.79		23	0
5	64QAM	12	13	21.85	21.77	21.75	21.66	21.73			
5	64QAM	25	0	21.80	21.69	21.71	21.61	21.59			
5	256QAM	1	0	19.77	19.81	19.85	19.77	19.68		21	2
5	256QAM	1	12	19.68	19.79	19.85	19.63	19.80			
5	256QAM	1	24	19.77	19.70	19.86	19.71	19.77			
5	256QAM	12	0	19.92	19.80	19.93	19.86	19.85			
5	256QAM	12	7	19.72	19.59	19.81	19.74	19.65		21	2
5	256QAM	12	13	19.63	19.71	19.79	19.65	19.62			
5	256QAM	25	0	19.85	19.78	20.00	20.00	20.02			

Band 41 PC2 Ant1 DSI6											
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)				2500	2540.5	2580.5	2620.5	2660			
20	QPSK	1	0	24.32	24.44	24.51	24.35	24.14	26	0	
20	QPSK	1	49	24.26	24.33	24.41	24.29	24.13			
20	QPSK	1	99	24.31	24.26	24.39	24.25	24.14			
20	QPSK	50	0	24.37	24.39	24.49	24.43	24.29			
20	QPSK	50	24	24.32	24.38	24.44	24.41	24.22	26	0	
20	QPSK	50	50	24.34	24.34	24.47	24.35	24.29			
20	QPSK	100	0	24.32	24.33	24.45	24.38	24.26			
20	16QAM	1	0	24.39	24.38	24.42	24.33	24.20			
20	16QAM	1	49	24.23	24.31	24.36	24.19	24.22	26	0	
20	16QAM	1	99	24.25	24.29	24.37	24.25	24.21			
20	16QAM	50	0	24.24	24.32	24.41	24.35	24.27			
20	16QAM	50	24	24.36	24.41	24.44	24.34	24.27			
20	16QAM	50	50	24.41	24.37	24.45	24.41	24.28	26	0	
20	16QAM	100	0	24.24	24.31	24.38	24.23	24.18			
20	64QAM	1	0	24.42	24.44	24.48	24.37	24.30			
20	64QAM	1	49	24.17	24.29	24.33	24.28	24.19			
20	64QAM	1	99	24.22	24.21	24.27	24.20	24.16	26	0	
20	64QAM	50	0	24.30	24.24	24.33	24.19	24.21			
20	64QAM	50	24	24.27	24.29	24.41	24.24	24.14			
20	64QAM	50	50	24.34	24.39	24.46	24.38	24.30			
20	64QAM	100	0	24.38	24.25	24.42	24.29	24.20	24.5	1.5	
20	256QAM	1	0	22.97	22.85	23.02	22.89	22.81			
20	256QAM	1	49	23.01	22.99	22.98	22.93	22.80			
20	256QAM	1	99	23.02	23.08	23.15	23.08	22.98			
20	256QAM	50	0	22.87	22.83	22.96	22.87	22.79	24.5	1.5	
20	256QAM	50	24	22.91	22.99	23.02	22.96	22.76			
20	256QAM	50	50	22.89	22.86	22.98	22.94	22.80			
20	256QAM	100	0	22.92	22.87	23.02	22.97	22.90			
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2543.5	2583.5	2623.5	2663.5			
15	QPSK	1	0	24.23	24.40	24.33	24.19	24.07	26.00	0	
15	QPSK	1	37	24.10	24.26	24.36	24.16	24.01			
15	QPSK	1	74	24.29	24.09	24.22	24.21	24.04			
15	QPSK	36	0	24.30	24.34	24.37	24.30	24.14			
15	QPSK	36	20	24.17	24.22	24.32	24.27	24.09	26	0	
15	QPSK	36	39	24.18	24.18	24.36	24.18	24.18			
15	QPSK	75	0	24.23	24.21	24.34	24.20	24.20			
15	16QAM	1	0	24.34	24.33	24.38	24.22	24.11			
15	16QAM	1	37	24.20	24.24	24.29	24.10	24.11	26	0	
15	16QAM	1	74	24.25	24.14	24.32	24.17	24.11			
15	16QAM	36	0	24.11	24.15	24.30	24.23	24.22			
15	16QAM	36	20	24.22	24.36	24.35	24.30	24.13			
15	16QAM	36	39	24.27	24.25	24.30	24.34	24.26	26	0	
15	16QAM	75	0	24.07	24.18	24.34	24.16	24.04			
15	64QAM	1	0	24.31	24.37	24.46	24.24	24.16			
15	64QAM	1	74	24.06	24.15	24.23	24.14	24.02			
15	64QAM	1	74	24.19	24.04	24.23	24.03	24.00	26	0	
15	64QAM	36	0	24.27	24.20	24.27	24.10	24.09			
15	64QAM	36	20	24.09	24.16	24.23	24.18	24.10			
15	64QAM	36	39	24.19	24.25	24.37	24.33	24.19			
15	64QAM	75	0	24.21	24.20	24.29	24.23	24.06	24.5	1.5	
15	256QAM	1	0	22.79	22.75	22.99	22.91	22.87			
15	256QAM	1	37	22.86	22.92	22.99	22.77	22.80			
15	256QAM	1	74	22.96	22.94	23.11	22.99	22.82			
15	256QAM	36	0	22.74	22.68	22.79	22.83	22.76	24.5	1.5	
15	256QAM	36	20	22.86	22.90	22.90	22.79	22.65			
15	256QAM	36	39	22.78	22.75	22.84	22.84	22.73			
15	256QAM	75	0	22.84	22.71	22.86	22.80	22.80			
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501	2547	2593	2639	2685			
10	QPSK	1	0	24.27	24.32	24.38	24.20	24.03	26.00	0	
10	QPSK	1	25	24.21	24.23	24.24	24.13	24.05			
10	QPSK	1	49	24.24	24.09	24.32	24.18	24.05			
10	QPSK	25	0	24.28	24.26	24.37	24.37	24.19			
10	QPSK	25	12	24.14	24.26	24.35	24.39	24.12	26	0	
10	QPSK	25	25	24.18	24.18	24.34	24.20	24.26			
10	QPSK	50	0	24.15	24.27	24.32	24.25	24.20			
10	16QAM	1	0	24.30	24.33	24.34	24.21	24.13			
10	16QAM	1	74	24.07	24.19	24.35	24.12	24.20	26	0	
10	16QAM	1	49	24.10	24.19	24.26	24.12	24.06			
10	16QAM	25	0	24.19	24.23	24.31	24.31	24.22			
10	16QAM	25	12	24.34	24.32	24.28	24.31	24.11			
10	16QAM	25	25	24.32	24.30	24.32	24.30	24.25	26	0	
10	16QAM	50	0	24.06	24.28	24.35	24.18	24.08			
10	64QAM	1	0	24.32	24.31	24.47	24.25	24.25			
10	64QAM	1	25	24.09	24.17	24.27	24.10	24.03			
10	64QAM	1	74	24.20	24.10	24.29	24.13	24.06	26	0	
10	64QAM	25	0	24.23	24.12	24.25	24.15	24.04			
10	64QAM	25	12	24.23	24.19	24.32	24.09	24.04			
10	64QAM	25	25	24.26	24.34	24.28	24.33	24.16			
10	256QAM	1	0	22.93	22.72	22.92	22.77	22.78	24.5	1.5	
10	256QAM	1	25	22.93	22.90	22.98	22.84	22.74			
10	256QAM	1	74	22.91	22.99	23.05	22.93	22.74			
10	256QAM	25	0	22.77	22.74	22.86	22.84	22.62			
10	256QAM	25	12	22.82	22.80	22.91	22.87	22.59	24.5	1.5	
10	256QAM	25	25	22.86	22.70	22.85	22.88	22.75			
10	256QAM	50	0	22.88	22.71	23.00	22.92	22.76			
Channel				39675	40148	40620	41093	41565			Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5			
5	QPSK	1	0	24.25	24.33	24.39	24.27	24.12	26.00	0	
5	QPSK	1	24	24.09	24.25	24.35	24.20	24.02			
5	QPSK	1	24	24.25	24.21	24.24	24.15	24.09			
5	QPSK	12	0	24.26	24.32	24.38	24.38	24.21			
5	QPSK	12	7	24.19	24.24	24.33	24.32	24.07	26	0	
5	QPSK	12	13	24.30	24.22	24.43	24.28	24.17			
5	QPSK	25	0	24.17	24.22	24.30	24.24	24.17			
5	16QAM	1	0	24.24	24.21	24.35	24.29	24.09			
5	16QAM	1	12	24.18	24.23	24.23	24.08	24.17	26	0	
5	16QAM	1	74	24.11	24.15	24.18	24.14	24.11			
5	16QAM	12	0	24.20	24.29	24.31	24.29	24.21			
5	16QAM	12	7	24.19	24.29	24.33	24.25	24.18			
5	16QAM	12	13	24.35	24.20	24.39	24.33	24.11	26	0	
5	16QAM	25	0	24.12	24.18	24.27	24.13	24.12			
5	64QAM	1	0	24.35	24.40	24.41	24.31	24.26			
5	64QAM	1	12	24.07	24.20	24.25	24.16	24.13			
5	64QAM	1	24	24.13	24.18	24.26	24.13	24.13	26	0	
5	64QAM	12	0	24.25	24.21	24.21	24.12	24.18			
5	64QAM	12	7	24.11	24.12	24.29	24.07	24.08			
5	64QAM	12	13	24.18	24.22	24.32	24.27	24.15			
5	64QAM	25	0	24.21	24.12	24.34	24.17	24.09	24.5	1.5	
5	256QAM	1	0	22.93	22.78	22.90	22.85	22.77			
5	256QAM	1	12	22.91	22.96	23.05	22.75	22.88			
5	256QAM	1	24	22.89	22.94	23.09	22.96	22.79			
5	256QAM	12	0	22.81	22.73	22.83	22.83	22.69	24.5	1.5	
5	256QAM	12	7	22.83	22.83	22.95	22.75	22.71			
5	256QAM	12	13	22.74	22.81	22.85	22.85	22.63			
5	256QAM	25	0	22.85	22.83	22.87	22.83	22.72			

Band 42 Part96 Ant2 DSI6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				43190	43340	43490			
Frequency (MHz)				3560	3575	3590			
20	QPSK	1	0	21.27	21.55	21.16	22.5	0	
20	QPSK	1	49	21.32	21.33	21.17			
20	QPSK	1	99	21.21	21.25	21.17			
20	QPSK	50	0	21.33	21.37	21.29	22	0.5	
20	QPSK	50	24	21.16	21.40	21.18			
20	QPSK	50	50	21.16	21.24	21.24			
20	QPSK	100	0	20.30	20.33	20.29	22	0.5	
20	16QAM	1	0	21.13	21.26	21.17			
20	16QAM	1	49	21.14	21.19	21.08			
20	16QAM	1	99	21.01	21.23	21.04	21.5	1	
20	16QAM	50	0	21.36	21.12	21.21			
20	16QAM	50	24	21.29	21.22	21.28			
20	16QAM	50	50	21.08	21.20	21.01	22	0.5	
20	16QAM	100	0	19.56	19.90	19.52			
20	64QAM	1	0	21.25	21.40	21.35			
20	64QAM	1	49	21.39	21.29	21.28	20.5	2	
20	64QAM	1	99	21.08	21.25	21.11			
20	64QAM	50	0	20.24	20.15	19.98			
20	64QAM	50	24	20.19	20.04	20.18	19	3.5	
20	64QAM	50	50	20.12	20.34	20.12			
20	64QAM	100	0	18.66	18.56	18.73			
20	256QAM	1	0	18.31	18.37	18.33	19	3.5	
20	256QAM	1	49	18.27	18.34	18.20			
20	256QAM	1	99	18.13	18.27	18.10			
20	256QAM	50	0	18.19	18.30	18.16	19	3.5	
20	256QAM	50	24	18.37	18.33	18.32			
20	256QAM	50	50	18.14	18.21	18.15			
20	256QAM	100	0	18.32	18.37	18.32			
Channel				43165	43340	43515			
Frequency (MHz)				3557.5	3575	3592.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	21.31	21.45	21.16	22.5	0	
15	QPSK	1	37	21.26	21.23	21.20			
15	QPSK	1	74	21.19	21.29	21.17			
15	QPSK	36	0	21.23	21.37	21.21	22	0.5	
15	QPSK	36	20	21.28	21.29	21.22			
15	QPSK	36	39	21.13	21.31	21.15			
15	QPSK	75	0	20.34	20.28	20.21	22	0.5	
15	16QAM	1	0	21.19	21.24	21.24			
15	16QAM	1	37	21.09	21.27	21.17			
15	16QAM	1	74	21.10	21.19	21.01	21.5	1	
15	16QAM	36	0	21.35	21.11	21.20			
15	16QAM	36	20	21.29	21.19	21.20			
15	16QAM	36	39	21.14	21.18	21.03	22	0.5	
15	16QAM	75	0	21.36	21.40	21.31			
15	64QAM	1	0	21.20	21.33	21.36			
15	64QAM	1	37	21.27	21.43	21.27	20.5	2	
15	64QAM	1	74	21.20	21.28	21.14			
15	64QAM	36	0	20.24	20.02	20.00			
15	64QAM	36	20	20.21	20.02	20.08	19	3.5	
15	64QAM	36	39	20.18	20.29	20.11			
15	64QAM	75	0	20.33	20.48	20.45			
15	256QAM	1	0	18.39	18.36	18.35	19	3.5	
15	256QAM	1	37	18.19	18.42	18.24			
15	256QAM	1	74	18.19	18.20	18.13			
15	256QAM	36	0	18.15	18.30	18.25	19	3.5	
15	256QAM	36	20	18.28	18.30	18.29			
15	256QAM	36	39	18.20	18.29	18.16			
15	256QAM	75	0	18.22	18.32	18.39			
Channel				43140	43340	43540			
Frequency (MHz)				3555	3575	3595	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	21.23	21.49	21.21	22.5	0	
10	QPSK	1	25	21.32	21.25	21.24			
10	QPSK	1	49	21.25	21.35	21.25			
10	QPSK	25	0	21.32	21.42	21.32	22	0.5	
10	QPSK	25	12	21.29	21.31	21.32			
10	QPSK	25	25	21.20	21.23	21.13			
10	QPSK	50	0	20.22	20.38	20.29	22	0.5	
10	16QAM	1	0	21.14	21.27	21.27			
10	16QAM	1	25	21.13	21.19	21.16			
10	16QAM	1	49	21.09	21.15	21.00	21.5	1	
10	16QAM	25	0	21.37	21.15	21.14			
10	16QAM	25	12	21.26	21.14	21.15			
10	16QAM	25	25	21.00	21.24	21.08	22	0.5	
10	16QAM	50	0	21.30	21.46	21.26			
10	64QAM	1	0	21.25	21.26	21.27			
10	64QAM	1	25	21.30	21.39	21.28	20.5	2	
10	64QAM	1	49	21.22	21.23	21.18			
10	64QAM	25	0	20.12	20.06	20.00			
10	64QAM	25	12	20.22	20.01	20.14	19	3.5	
10	64QAM	25	25	20.20	20.28	20.09			
10	64QAM	50	0	20.43	20.50	20.40			
10	256QAM	1	0	18.38	18.47	18.34	19	3.5	
10	256QAM	1	25	18.29	18.31	18.14			
10	256QAM	1	49	18.19	18.29	18.21			
10	256QAM	25	0	18.21	18.28	18.26	19	3.5	
10	256QAM	25	12	18.37	18.42	18.38			
10	256QAM	25	25	18.14	18.30	18.20			
10	256QAM	50	0	18.31	18.42	18.27			
Channel				43115	43340	43565			
Frequency (MHz)				3562.5	3575	3597.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	21.32	21.43	21.24	22.5	0	
5	QPSK	1	12	21.26	21.33	21.22			
5	QPSK	1	24	21.12	21.28	21.23			
5	QPSK	12	0	21.29	21.35	21.26	22	0.5	
5	QPSK	12	7	21.23	21.39	21.26			
5	QPSK	12	13	21.22	21.32	21.16			
5	QPSK	25	0	20.33	20.35	20.35	22	0.5	
5	16QAM	1	0	21.13	21.33	21.24			
5	16QAM	1	12	21.13	21.31	21.14			
5	16QAM	1	24	21.05	21.22	21.09	21.5	1	
5	16QAM	12	0	21.35	21.14	21.14			
5	16QAM	12	7	21.24	21.16	21.17			
5	16QAM	12	13	21.10	21.23	21.07	22	0.5	
5	16QAM	25	0	21.29	21.40	21.34			
5	64QAM	1	0	21.24	21.25	21.22			
5	64QAM	1	12	21.36	21.31	21.38	20.5	2	
5	64QAM	1	24	21.23	21.27	21.19			
5	64QAM	12	0	20.19	20.11	20.06			
5	64QAM	12	7	20.19	20.09	20.12	19	3.5	
5	64QAM	12	13	20.08	20.30	20.19			
5	64QAM	25	0	20.39	20.49	20.39			
5	256QAM	1	0	18.27	18.45	18.35	19	3.5	
5	256QAM	1	12	18.19	18.36	18.16			
5	256QAM	1	24	18.11	18.16	18.09			
5	256QAM	12	0	18.19	18.27	18.19			
5	256QAM	12	7	18.28	18.30	18.34			

Band 42 Part27Q Ant2 DSI6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990			
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	21.45	21.65	21.39	22.5	0	
20	QPSK	1	49	21.43	21.47	21.37			
20	QPSK	1	99	21.36	21.49	21.40			
20	QPSK	50	0	21.43	21.54	21.42	22	0.5	
20	QPSK	50	24	21.41	21.50	21.42			
20	QPSK	50	50	21.38	21.42	21.36			
20	QPSK	100	0	20.45	20.51	20.45	22	0.5	
20	16QAM	1	0	21.35	21.49	21.39			
20	16QAM	1	49	21.30	21.42	21.29			
20	16QAM	1	99	21.23	21.37	21.22	21.5	1	
20	16QAM	50	0	21.48	21.30	21.36			
20	16QAM	50	24	21.46	21.32	21.40			
20	16QAM	50	50	21.24	21.39	21.21	22	0.5	
20	16QAM	100	0	19.66	19.51	19.67			
20	64QAM	1	0	21.37	21.50	21.46			
20	64QAM	1	49	21.50	21.54	21.50	20.5	2	
20	64QAM	1	99	21.33	21.44	21.31			
20	64QAM	50	0	20.36	20.26	20.22			
20	64QAM	50	24	20.40	20.24	20.31	19	3.5	
20	64QAM	50	50	20.33	20.44	20.30			
20	64QAM	100	0	18.55	18.50	18.67			
20	256QAM	1	0	18.51	18.58	18.52	19	3.5	
20	256QAM	1	49	18.42	18.53	18.39			
20	256QAM	1	99	18.30	18.39	18.31			
20	256QAM	50	0	18.38	18.52	18.38	19	3.5	
20	256QAM	50	24	18.48	18.54	18.51			
20	256QAM	50	50	18.34	18.43	18.33			
20	256QAM	100	0	18.45	18.53	18.50			
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	21.51	21.60	21.43	22.5	0	
15	QPSK	1	37	21.35	21.39	21.32			
15	QPSK	1	74	21.22	21.43	21.24			
15	QPSK	36	0	21.41	21.46	21.29	22	0.5	
15	QPSK	36	20	21.32	21.37	21.27			
15	QPSK	36	39	21.24	21.32	21.28			
15	QPSK	75	0	21.27	21.37	21.32	22	0.5	
15	16QAM	1	0	21.41	21.39	21.39			
15	16QAM	1	37	21.23	21.39	21.25			
15	16QAM	1	74	21.19	21.25	21.21	21.5	1	
15	16QAM	36	0	21.43	21.33	21.43			
15	16QAM	36	20	21.36	21.40	21.31			
15	16QAM	36	39	21.16	21.33	21.25	22	0.5	
15	16QAM	75	0	21.23	21.43	21.34			
15	16QAM	1	0	21.33	21.37	21.32			
15	64QAM	1	0	21.33	21.45	21.42	20.5	2	
15	64QAM	1	74	21.22	21.29	21.22			
15	64QAM	36	0	20.33	20.48	20.45			
15	64QAM	36	20	20.46	20.50	20.39	19	3.5	
15	64QAM	36	39	20.23	20.39	20.32			
15	64QAM	75	0	20.34	20.38	20.26			
15	256QAM	1	0	18.34	18.52	18.32	19	3.5	
15	256QAM	1	37	18.31	18.42	18.27			
15	256QAM	1	74	18.31	18.30	18.26			
15	256QAM	36	0	18.32	18.48	18.29	19	3.5	
15	256QAM	36	20	18.36	18.50	18.38			
15	256QAM	36	39	18.21	18.33	18.26			
15	256QAM	75	0	18.28	18.38	18.40			
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	21.53	21.53	21.46	22.5	0	
10	QPSK	1	25	21.28	21.34	21.25			
10	QPSK	1	49	21.29	21.44	21.22			
10	QPSK	25	0	21.42	21.47	21.26	22	0.5	
10	QPSK	25	12	21.25	21.47	21.28			
10	QPSK	25	25	21.26	21.36	21.24			
10	QPSK	50	0	21.37	21.45	21.38	22	0.5	
10	16QAM	1	0	21.33	21.45	21.37			
10	16QAM	1	25	21.26	21.37	21.26			
10	16QAM	1	49	21.14	21.34	21.22	21.5	1	
10	16QAM	25	0	21.49	21.45	21.44			
10	16QAM	25	12	21.30	21.46	21.26			
10	16QAM	25	25	21.23	21.25	21.22	22	0.5	
10	16QAM	50	0	21.25	21.38	21.35			
10	16QAM	1	0	21.29	21.43	21.32			
10	64QAM	1	25	21.34	21.40	21.43	20.5	2	
10	64QAM	1	49	21.33	21.39	21.19			
10	64QAM	25	0	20.30	20.45	20.43			
10	64QAM	25	12	20.43	20.50	20.40	19	3.5	
10	64QAM	25	25	20.21	20.39	20.32			
10	64QAM	50	0	20.28	20.41	20.30			
10	256QAM	1	0	18.34	18.50	18.37	19	3.5	
10	256QAM	1	25	18.37	18.43	18.33			
10	256QAM	1	49	18.33	18.28	18.22			
10	256QAM	25	0	18.32	18.45	18.34	19	3.5	
10	256QAM	25	12	18.34	18.44	18.38			
10	256QAM	25	25	18.26	18.39	18.19			
10	256QAM	50	0	18.34	18.46	18.31			
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	21.56	21.52	21.45	22.5	0	
5	QPSK	1	12	21.35	21.35	21.34			
5	QPSK	1	24	21.33	21.40	21.22			
5	QPSK	12	0	21.42	21.47	21.29	22	0.5	
5	QPSK	12	7	21.27	21.39	21.34			
5	QPSK	12	13	21.25	21.32	21.29			
5	QPSK	25	0	21.30	21.46	21.29	22	0.5	
5	16QAM	1	0	21.36	21.40	21.35			
5	16QAM	1	12	21.28	21.37	21.24			
5	16QAM	1	24	21.18	21.27	21.16	21.5	1	
5	16QAM	12	0	21.50	21.47	21.32			
5	16QAM	12	7	21.30	21.43	21.33			
5	16QAM	12	13	21.17	21.25	21.24	22	0.5	
5	16QAM	25	0	21.29	21.40	21.34			
5	64QAM	1	0	21.27	21.45	21.22			
5	64QAM	1	12	21.34	21.41	21.40	20.5	2	
5	64QAM	1	24	21.23	21.34	21.23			
5	64QAM	12	0	20.39	20.42	20.46			
5	64QAM	12	7	20.39	20.49	20.39	19	3.5	
5	64QAM	12	13	20.15	20.36	20.35			
5	64QAM	25	0	20.26	20.39	20.32			
5	256QAM	1	0	18.34	18.54	18.34	19	3.5	
5	256QAM	1	12	18.33	18.46	18.33			
5	256QAM	1	24	18.29	18.27	18.20			
5	256QAM	12	0	18.34	18.46	18.33	19	3.5	
5	256QAM	12	7	18.29	18.44	18.34			

5	256QAM	12	13	18.21	18.33	18.09	18	33
5	256QAM	25	0	18.24	18.36	18.33		

5	256QAM	12	13	18.23	18.29	18.23	18	33
5	256QAM	25	0	18.31	18.41	18.34		

Band 43 Ant2 DSI6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				43590	43990	44390	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3610	3650	3690			
20	QPSK	1	0	21.56	21.72	21.64	22.5	0	
20	QPSK	1	49	21.53	21.57	21.42			
20	QPSK	1	99	21.56	21.60	21.54			
20	QPSK	50	0	21.62	21.68	21.64			
20	QPSK	50	24	21.61	21.66	21.54	22	0.5	
20	QPSK	50	50	21.55	21.61	21.53			
20	QPSK	100	0	20.53	20.62	20.50			
20	16QAM	1	0	21.48	21.55	21.47			
20	16QAM	1	49	21.50	21.57	21.44	22	0.5	
20	16QAM	1	99	21.46	21.60	21.51			
20	16QAM	50	0	21.40	21.44	21.33			
20	16QAM	50	24	21.34	21.43	21.38			
20	16QAM	50	50	21.38	21.45	21.30	21.5	1	
20	16QAM	100	0	19.56	19.63	19.58			
20	64QAM	1	0	21.57	21.65	21.52			
20	64QAM	1	49	21.55	21.63	21.52	22	0.5	
20	64QAM	1	99	21.60	21.66	21.61			
20	64QAM	50	0	20.40	20.46	20.36			
20	64QAM	50	24	20.33	20.46	20.36			
20	64QAM	50	50	20.44	20.48	20.36	20.5	2	
20	64QAM	100	0	18.57	18.64	18.53			
20	256QAM	1	0	18.43	18.47	18.35			
20	256QAM	1	49	18.44	18.58	18.48	19	3.5	
20	256QAM	1	99	18.36	18.48	18.39			
20	256QAM	50	0	18.52	18.62	18.51			
20	256QAM	50	24	18.57	18.64	18.57			
20	256QAM	50	50	18.48	18.63	18.55	19	3.5	
20	256QAM	100	0	18.52	18.60	18.54			
Channel				43595	43990	44415	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3607.5	3650	3692.5			
15	QPSK	1	0	21.54	21.67	21.60	22.5	0	
15	QPSK	1	37	21.33	21.44	21.45			
15	QPSK	1	74	21.37	21.57	21.47			
15	QPSK	36	0	21.49	21.58	21.48			
15	QPSK	36	20	21.48	21.55	21.47	22	0.5	
15	QPSK	36	39	21.48	21.53	21.37			
15	QPSK	75	0	21.45	21.55	21.42			
15	16QAM	1	0	21.45	21.41	21.39			
15	16QAM	1	37	21.44	21.46	21.33	22	0.5	
15	16QAM	1	74	21.42	21.56	21.41			
15	16QAM	36	0	21.21	21.34	21.25			
15	16QAM	36	20	21.28	21.36	21.28	21.5	1	
15	16QAM	36	39	21.31	21.34	21.30			
15	16QAM	75	0	21.23	21.39	21.26			
15	64QAM	1	0	21.48	21.56	21.47	22	0.5	
15	64QAM	1	37	21.45	21.59	21.46			
15	64QAM	1	74	21.48	21.59	21.47			
15	64QAM	36	0	20.32	20.34	20.25			
15	64QAM	36	20	20.19	20.41	20.25	20.5	2	
15	64QAM	36	39	20.34	20.44	20.33			
15	64QAM	75	0	20.26	20.37	20.28			
15	256QAM	1	0	18.25	18.34	18.31	19	3.5	
15	256QAM	1	37	18.43	18.54	18.43			
15	256QAM	1	74	18.28	18.45	18.32			
15	256QAM	36	0	18.39	18.51	18.46			
15	256QAM	36	20	18.40	18.55	18.54	19	3.5	
15	256QAM	36	39	18.39	18.50	18.36			
15	256QAM	75	0	18.48	18.55	18.44			
Channel				43540	43990	44440	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3605	3650	3695			
10	QPSK	1	0	21.53	21.59	21.49	22.5	0	
10	QPSK	1	25	21.37	21.51	21.45			
10	QPSK	1	49	21.41	21.53	21.52			
10	QPSK	25	0	21.46	21.55	21.49			
10	QPSK	25	12	21.46	21.61	21.41	22	0.5	
10	QPSK	25	25	21.41	21.52	21.45			
10	QPSK	50	0	21.51	21.54	21.42			
10	16QAM	1	0	21.35	21.44	21.43			
10	16QAM	1	25	21.47	21.52	21.42	22	0.5	
10	16QAM	1	49	21.41	21.55	21.49			
10	16QAM	25	0	21.16	21.31	21.17			
10	16QAM	25	12	21.21	21.39	21.32			
10	16QAM	25	25	21.36	21.39	21.28	21.5	1	
10	16QAM	50	0	21.23	21.32	21.28			
10	64QAM	1	0	21.40	21.59	21.53			
10	64QAM	1	25	21.50	21.53	21.49	22	0.5	
10	64QAM	1	49	21.49	21.56	21.54			
10	64QAM	25	0	20.27	20.31	20.21			
10	64QAM	25	12	20.17	20.39	20.22			
10	64QAM	25	25	20.31	20.34	20.34	20.5	2	
10	64QAM	50	0	20.50	20.50	20.44			
10	256QAM	1	0	18.26	18.38	18.27			
10	256QAM	1	25	18.40	18.43	18.39	19	3.5	
10	256QAM	1	49	18.32	18.38	18.24			
10	256QAM	25	0	18.37	18.56	18.45			
10	256QAM	25	12	18.41	18.52	18.56			
10	256QAM	25	25	18.41	18.54	18.41	19	3.5	
10	256QAM	50	0	18.52	18.47	18.41			
Channel				43515	43990	44465	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3602.5	3650	3697.5			
5	QPSK	1	0	21.54	21.63	21.57	22.5	0	
5	QPSK	1	12	21.41	21.51	21.37			
5	QPSK	1	24	21.39	21.56	21.45			
5	QPSK	12	0	21.46	21.64	21.45			
5	QPSK	12	7	21.52	21.57	21.41	22	0.5	
5	QPSK	12	13	21.41	21.54	21.46			
5	QPSK	25	0	21.49	21.59	21.43			
5	16QAM	1	0	21.45	21.40	21.34			
5	16QAM	1	12	21.41	21.45	21.41	22	0.5	
5	16QAM	1	24	21.43	21.56	21.42			
5	16QAM	12	0	21.18	21.31	21.18			
5	16QAM	12	7	21.25	21.38	21.28			
5	16QAM	12	13	21.26	21.38	21.24	21.5	1	
5	16QAM	25	0	21.32	21.33	21.22			
5	64QAM	1	0	21.38	21.57	21.53			
5	64QAM	1	12	21.47	21.54	21.51	22	0.5	
5	64QAM	1	24	21.52	21.58	21.49			
5	64QAM	12	0	20.33	20.32	20.26			
5	64QAM	12	7	20.24	20.34	20.22			
5	64QAM	12	13	20.31	20.35	20.37	20.5	2	
5	64QAM	25	0	20.28	20.41	20.24			
5	256QAM	1	0	18.27	18.33	18.37			
5	256QAM	1	12	18.38	18.47	18.46	19	3.5	
5	256QAM	1	24	18.30	18.33	18.32			
5	256QAM	12	0	18.42	18.53	18.46			
5	256QAM	12	7	18.45	18.50	18.56			

Band 48 Ant2 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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	21.83	21.85	21.64	21.72	22.5	0
20	QPSK	1	49	21.66	21.69	21.62	21.61		
20	QPSK	1	99	21.63	21.73	21.69	21.69		
20	QPSK	50	0	21.65	21.75	21.69	21.64	22	0.5
20	QPSK	50	24	21.61	21.73	21.63	21.68		
20	QPSK	50	50	21.68	21.71	21.66	21.66		
20	QPSK	100	0	20.70	20.74	20.69	20.62	22	0.5
20	16QAM	1	0	21.54	21.63	21.54	21.50		
20	16QAM	1	49	21.57	21.68	21.62	21.64		
20	16QAM	1	99	21.49	21.60	21.55	21.46	21.5	1
20	16QAM	50	0	21.32	21.46	21.38	21.34		
20	16QAM	50	24	21.33	21.47	21.35	21.35		
20	16QAM	50	50	21.37	21.39	21.36	21.29	22	0.5
20	16QAM	100	0	19.69	19.76	19.63	19.63		
20	64QAM	1	0	21.66	21.74	21.59	21.66		
20	64QAM	1	49	21.63	21.68	21.54	21.58	20.5	2
20	64QAM	1	99	21.65	21.70	21.62	21.65		
20	64QAM	50	0	20.28	20.46	20.32	20.35		
20	64QAM	50	24	20.24	20.35	20.30	20.27	19	3.5
20	64QAM	50	50	20.26	20.32	20.21	20.31		
20	64QAM	100	0	18.76	18.80	18.73	18.71		
20	256QAM	1	0	18.72	18.78	18.69	18.72	19	3.5
20	256QAM	1	49	18.64	18.69	18.59	18.54		
20	256QAM	1	99	18.59	18.72	18.62	18.66		
20	256QAM	50	0	18.57	18.71	18.63	18.57	19	3.5
20	256QAM	50	24	18.57	18.64	18.56	18.51		
20	256QAM	50	50	18.61	18.66	18.52	18.55		
20	256QAM	100	0	18.73	18.76	18.65	18.68		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3597.5	3608	3642	3692.5		
15	QPSK	1	0	21.72	21.76	21.50	21.61	22.5	0
15	QPSK	1	37	21.59	21.65	21.47	21.55		
15	QPSK	1	74	21.59	21.66	21.60	21.65		
15	QPSK	36	0	21.55	21.64	21.59	21.59	22	0.5
15	QPSK	36	20	21.46	21.58	21.58	21.57		
15	QPSK	36	39	21.57	21.66	21.53	21.57		
15	QPSK	75	0	21.63	21.64	21.55	21.50	22	0.5
15	16QAM	1	0	21.49	21.59	21.44	21.39		
15	16QAM	1	37	21.51	21.61	21.52	21.58		
15	16QAM	1	74	21.39	21.50	21.48	21.32	21.5	1
15	16QAM	36	0	21.22	21.40	21.30	21.22		
15	16QAM	36	20	21.31	21.39	21.24	21.26		
15	16QAM	36	39	21.21	21.29	21.29	21.21	22	0.5
15	16QAM	75	0	21.28	21.42	21.21	21.33		
15	64QAM	1	0	21.59	21.65	21.50	21.51		
15	64QAM	1	37	21.50	21.61	21.41	21.51	20.5	2
15	64QAM	1	74	21.54	21.56	21.57	21.54		
15	64QAM	36	0	20.40	20.40	20.32	20.32		
15	64QAM	36	20	20.27	20.39	20.31	20.30	19	3.5
15	64QAM	36	39	20.25	20.33	20.27	20.31		
15	64QAM	75	0	20.48	20.49	20.39	20.34		
15	256QAM	1	0	18.61	18.66	18.59	18.59	19	3.5
15	256QAM	1	37	18.58	18.56	18.55	18.44		
15	256QAM	1	74	18.46	18.69	18.58	18.60		
15	256QAM	36	0	18.52	18.61	18.59	18.52	19	3.5
15	256QAM	36	20	18.44	18.49	18.48	18.41		
15	256QAM	36	39	18.48	18.53	18.48	18.51		
15	256QAM	75	0	18.62	18.63	18.53	18.58		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	21.71	21.74	21.49	21.60	22.5	0
10	QPSK	1	25	21.54	21.63	21.52	21.53		
10	QPSK	1	49	21.55	21.63	21.61	21.56		
10	QPSK	25	0	21.53	21.69	21.60	21.50	22	0.5
10	QPSK	25	12	21.48	21.64	21.55	21.61		
10	QPSK	25	25	21.54	21.58	21.62	21.58		
10	QPSK	50	0	21.57	21.63	21.61	21.56	22	0.5
10	16QAM	1	0	21.41	21.55	21.44	21.42		
10	16QAM	1	25	21.51	21.53	21.51	21.60		
10	16QAM	1	49	21.38	21.45	21.44	21.33	21.5	1
10	16QAM	25	0	21.28	21.42	21.40	21.37		
10	16QAM	25	12	21.27	21.46	21.36	21.33		
10	16QAM	25	25	21.42	21.43	21.35	21.33	22	0.5
10	16QAM	50	0	21.40	21.41	21.37	21.35		
10	64QAM	1	0	21.52	21.64	21.46	21.55		
10	64QAM	1	25	21.52	21.58	21.41	21.44	20.5	2
10	64QAM	1	49	21.62	21.58	21.49	21.60		
10	64QAM	25	0	20.30	20.41	20.21	20.44		
10	64QAM	25	12	20.36	20.41	20.34	20.22	19	3.5
10	64QAM	25	25	20.28	20.28	20.28	20.23		
10	64QAM	50	0	20.41	20.46	20.41	20.38		
10	256QAM	1	0	18.64	18.70	18.62	18.61	19	3.5
10	256QAM	1	25	18.53	18.59	18.55	18.51		
10	256QAM	1	49	18.45	18.63	18.51	18.60		
10	256QAM	25	0	18.46	18.65	18.59	18.48	19	3.5
10	256QAM	25	12	18.44	18.50	18.42	18.42		
10	256QAM	25	25	18.53	18.57	18.48	18.46		
10	256QAM	50	0	18.67	18.64	18.51	18.63		
Channel				56265	56810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	21.79	21.75	21.60	21.63	22.5	0
5	QPSK	1	12	21.60	21.66	21.53	21.53		
5	QPSK	1	24	21.53	21.59	21.63	21.61		
5	QPSK	12	0	21.62	21.71	21.62	21.59	22	0.5
5	QPSK	12	7	21.54	21.61	21.57	21.63		
5	QPSK	12	13	21.65	21.57	21.61	21.53		
5	QPSK	25	0	21.56	21.61	21.63	21.56	22	0.5
5	16QAM	1	0	21.48	21.51	21.45	21.40		
5	16QAM	1	12	21.43	21.56	21.57	21.60		
5	16QAM	1	24	21.44	21.55	21.46	21.43	21.5	1
5	16QAM	12	0	21.32	21.43	21.34	21.41		
5	16QAM	12	7	21.26	21.45	21.38	21.26		
5	16QAM	12	13	21.38	21.43	21.37	21.26	22	0.5
5	16QAM	25	0	21.35	21.42	21.31	21.36		
5	64QAM	1	0	21.56	21.61	21.53	21.56		
5	64QAM	1	12	21.57	21.56	21.44	21.55	20.5	2
5	64QAM	1	24	21.59	21.60	21.50	21.58		
5	64QAM	12	0	20.38	20.38	20.24	20.38		
5	64QAM	12	7	20.23	20.38	20.25	20.21	19	3.5
5	64QAM	12	13	20.21	20.33	20.20	20.31		
5	64QAM	25	0	20.43	20.47	20.41	20.48		
5	256QAM	1	0	18.64	18.71	18.58	18.57	19	3.5
5	256QAM	1	12	18.51	18.65	18.56	18.48		
5	256QAM	1	24	18.49	18.64	18.56	18.55		
5	256QAM	12	0	18.49	18.62	18.49	18.46	19	3.5
5	256QAM	12	7	18.46	18.51	18.43	18.40		
5	256QAM	12	13	18.46	18.51	18.43	18.40		

5	256QAM	12	13	18.46	18.51	18.42	18	3.3
5	256QAM	25	0	18.45	18.54	18.45		

5	256QAM	12	13	18.55	18.59	18.39	18.46	18	3.3
5	256QAM	25	0	18.59	18.71	18.55	18.54		



Uplink CA Power

Ant0 Full Power&DS16

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	22.78	24.00
21100	21298	QPSK	1	99	1	0	22.94	24.00
21350	21152	QPSK	1	0	1	99	22.94	24.00

Ant0 Full Power&DS16

CA_38C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	22.76	24.00
37901	38099	QPSK	1	99	1	0	22.78	24.00
38150	37952	QPSK	1	0	1	99	22.87	24.00

Ant0 Full Power&DS16

CA_38C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	25.16	27.00
37901	38099	QPSK	1	99	1	0	25.37	27.00
38150	37952	QPSK	1	0	1	99	25.22	27.00

Ant0 Full Power&DS16

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	22.85	24.00
40185	40383	QPSK	1	99	1	0	22.91	24.00
40620	40818	QPSK	1	99	1	0	22.89	24.00
41055	41253	QPSK	1	99	1	0	22.87	24.00
41490	41292	QPSK	1	0	1	99	22.89	24.00

Ant0 Full Power&DS16

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	25.34	27.00
40185	40383	QPSK	1	99	1	0	25.23	27.00
40620	40818	QPSK	1	99	1	0	25.46	27.00
41055	41253	QPSK	1	99	1	0	25.19	27.00
41490	41292	QPSK	1	0	1	99	25.26	27.00

Ant1 Full Power&DS16

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	21.44	23.00
21100	21298	QPSK	1	99	1	0	21.48	23.00
21350	21152	QPSK	1	0	1	99	21.39	23.00

Ant1 Full Power&DS16

CA_38C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	21.75	23.00
37901	38099	QPSK	1	99	1	0	21.81	23.00
38150	37952	QPSK	1	0	1	99	21.83	23.00

Ant1 Full Power&DS16

CA_38C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	24.31	26.00
37901	38099	QPSK	1	99	1	0	24.49	26.00
38150	37952	QPSK	1	0	1	99	24.20	26.00

Ant1 Full Power&DS16

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	21.85	23.00
40185	40383	QPSK	1	99	1	0	21.86	23.00
40620	40818	QPSK	1	99	1	0	21.99	23.00
41055	41253	QPSK	1	99	1	0	21.93	23.00
41490	41292	QPSK	1	0	1	99	21.97	23.00

Ant1 Full Power&DS16

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	24.36	26.00
40185	40383	QPSK	1	99	1	0	24.43	26.00
40620	40818	QPSK	1	99	1	0	24.48	26.00
41055	41253	QPSK	1	99	1	0	24.31	26.00
41490	41292	QPSK	1	0	1	99	24.23	26.00



Ant0 Down Power_DS13 Standalone

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	22.06	23.50
21100	21298	QPSK	1	99	1	0	22.26	23.50
21350	21152	QPSK	1	0	1	99	22.15	23.50

Ant0 Down Power_DS13 Simultaneous

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	20.19	21.70
21100	21298	QPSK	1	99	1	0	20.31	21.70
21350	21152	QPSK	1	0	1	99	20.11	21.70

Ant0 Down Power_DS13 Simultaneous

CA_38C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	21.41	24.00
37901	38099	QPSK	1	99	1	0	21.46	24.00
38150	37952	QPSK	1	0	1	99	21.35	24.00

Ant0 Down Power_HPUE_DS13 Simultaneous

CA_38C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	23.20	24.00
37901	38099	QPSK	1	99	1	0	23.37	24.00
38150	37952	QPSK	1	0	1	99	23.16	24.00

Ant0 Down Power_DS13 Simultaneous

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	22.21	24.00
40185	40383	QPSK	1	99	1	0	22.13	24.00
40620	40818	QPSK	1	99	1	0	22.37	24.00
41055	41253	QPSK	1	99	1	0	22.32	24.00
41490	41292	QPSK	1	0	1	99	22.24	24.00

Ant0 Down Power_HPUE_DS13 Simultaneous

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	24.03	26.10
40185	40383	QPSK	1	99	1	0	24.15	26.10
40620	40818	QPSK	1	99	1	0	24.26	26.10
41055	41253	QPSK	1	99	1	0	24.20	26.10
41490	41292	QPSK	1	0	1	99	24.11	26.10

Ant1 Down Power_DS12 Standalone

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	15.55	16.70
21100	21298	QPSK	1	99	1	0	15.61	16.70
21350	21152	QPSK	1	0	1	99	15.43	16.70

Ant1 Down Power_DS12 Simultaneous

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	14.06	15.40
37901	38099	QPSK	1	99	1	0	14.25	15.40
38150	37952	QPSK	1	0	1	99	14.11	15.40

Ant1 Down Power_DS12 Standalone

CA_38C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	17.86	19.60
37901	38099	QPSK	1	99	1	0	18.08	19.60
38150	37952	QPSK	1	0	1	99	17.95	19.60

Ant1 Down Power_DS12 Simultaneous

CA_38C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	16.39	18.30
37901	38099	QPSK	1	99	1	0	16.48	18.30
38150	37952	QPSK	1	0	1	99	16.41	18.30

Ant1 Down Power_HPUE_DS12 Standalone

CA_38C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	19.57	21.20
37901	38099	QPSK	1	99	1	0	19.76	21.20
38150	37952	QPSK	1	0	1	99	19.64	21.20

Ant1 Down Power_HPUE_DS12 Simultaneous

CA_38C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37825	37975	QPSK	1	99	1	0	18.11	19.90
38000	38150	QPSK	1	99	1	0	18.33	19.90
38175	38025	QPSK	1	0	1	99	18.23	19.90

Ant1 Down Power_DS12 Standalone

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	17.98	19.60
40185	40383	QPSK	1	99	1	0	18.06	19.60
40620	40818	QPSK	1	99	1	0	18.11	19.60
41055	41253	QPSK	1	99	1	0	18.08	19.60
41490	41292	QPSK	1	0	1	99	17.86	19.60

Ant1 Down Power_DS12 Simultaneous

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	16.44	18.30
40185	40383	QPSK	1	99	1	0	16.38	18.30
40620	40818	QPSK	1	99	1	0	16.55	18.30
41055	41253	QPSK	1	99	1	0	16.51	18.30
41490	41292	QPSK	1	0	1	99	16.40	18.30

Ant1 Down Power_HPUE_DS12 Standalone

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	19.53	21.20
40185	40383	QPSK	1	99	1	0	19.71	21.20
40620	40818	QPSK	1	99	1	0	19.78	21.20
41055	41253	QPSK	1	99	1	0	19.57	21.20
41490	41292	QPSK	1	0	1	99	19.66	21.20

Ant1 Down Power_HPUE_DS12 Simultaneous

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	18.06	19.90
40185	40383	QPSK	1	99	1	0	18.25	19.90
40620	40818	QPSK	1	99	1	0	18.39	19.90
41055	41253	QPSK	1	99	1	0	18.18	19.90
41490	41292	QPSK	1	0	1	99	18.32	19.90



Anti Down Power DSI3 Standalone

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	18.41	19.60
21100	21298	QPSK	1	99	1	0	18.52	19.60
21350	21152	QPSK	1	0	1	99	18.46	19.60

Anti Down Power DSI3 Simultaneous

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	16.43	17.60
21100	21298	QPSK	1	99	1	0	16.47	17.60
21350	21152	QPSK	1	0	1	99	16.32	17.60

Anti Down Power DSI3 Standalone

CA_38C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	20.40	22.20
37901	38099	QPSK	1	99	1	0	20.52	22.20
38150	37952	QPSK	1	0	1	99	20.38	22.20

Anti Down Power DSI3 Simultaneous

CA_38C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	18.73	21.00
37901	38099	QPSK	1	99	1	0	18.84	21.00
38150	37952	QPSK	1	0	1	99	18.69	21.00

Anti Down Power HPUE DSI3 Standalone

CA_38C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	22.06	23.80
37901	38099	QPSK	1	99	1	0	22.21	23.80
38150	37952	QPSK	1	0	1	99	22.13	23.80

Anti Down Power HPUE DSI3 Simultaneous

CA_38C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	20.65	22.60
37901	38099	QPSK	1	99	1	0	20.68	22.60
38150	37952	QPSK	1	0	1	99	20.61	22.60

Anti Down Power DSI3 Standalone

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	20.41	22.20
40185	40383	QPSK	1	99	1	0	20.32	22.20
40620	40818	QPSK	1	99	1	0	20.58	22.20
41055	41253	QPSK	1	99	1	0	20.55	22.20
41490	41292	QPSK	1	0	1	99	20.36	22.20

Anti Down Power DSI3 Simultaneous

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	18.72	21.00
40185	40383	QPSK	1	99	1	0	18.70	21.00
40620	40818	QPSK	1	99	1	0	18.89	21.00
41055	41253	QPSK	1	99	1	0	18.68	21.00
41490	41292	QPSK	1	0	1	99	18.82	21.00

Anti Down Power HPUE DSI3 Standalone

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	22.01	23.80
40185	40383	QPSK	1	99	1	0	21.92	23.80
40620	40818	QPSK	1	99	1	0	22.29	23.80
41055	41253	QPSK	1	99	1	0	22.26	23.80
41490	41292	QPSK	1	0	1	99	22.12	23.80

Anti Down Power HPUE DSI3 Simultaneous

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	20.66	22.60
40185	40383	QPSK	1	99	1	0	20.61	22.60
40620	40818	QPSK	1	99	1	0	20.77	22.60
41055	41253	QPSK	1	99	1	0	20.71	22.60
41490	41292	QPSK	1	0	1	99	20.69	22.60

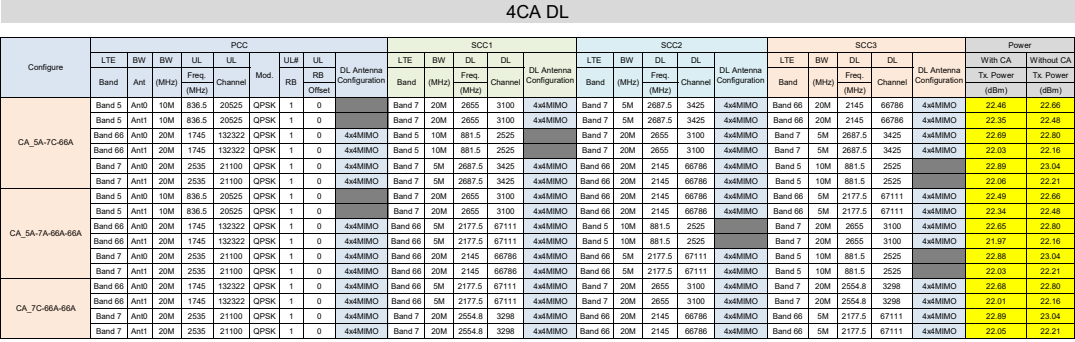
Downlink CA Power

2CA DL

CA List	PCC								SCC					Power		
	LTE	BW	BW	UL	UL	Mod.	UL#	UL	DL Antenna Configuratio	LTE	BW	DL	DL Antenna Configuratio	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_2C	Band 2	An0	20M	1880	18900	QPSK	1	0		Band 2	20M	1980	1098		22.41	22.51
	Band 2	An1	20M	1880	18900	QPSK	1	0		Band 2	20M	1980	1098		21.57	21.58
CA_2A-4A	Band 2	An0	20M	1880	18900	QPSK	1	0		Band 4	20M	2133	2175	4xMIMO	22.32	22.51
	Band 4	An0	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 2	20M	1980	900		22.63	22.76
CA_2A-5A	Band 2	An1	20M	1880	18900	QPSK	1	0		Band 4	20M	2133	2175	4xMIMO	21.44	21.58
	Band 4	An1	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 2	20M	1980	900		21.88	22.09
CA_2A-5A	Band 2	An0	20M	1880	18900	QPSK	1	0		Band 5	10M	881.5	2525		22.29	22.51
	Band 5	An0	10M	836.5	20525	QPSK	1	0		Band 2	20M	1980	900		22.42	22.66
CA_2A-7A	Band 2	An1	20M	1880	18900	QPSK	1	0		Band 5	10M	881.5	2525		21.39	21.58
	Band 5	An1	10M	836.5	20525	QPSK	1	0		Band 2	20M	1980	900		22.32	22.48
CA_2A-7A	Band 2	An0	20M	1880	18900	QPSK	1	0		Band 7	20M	2655	3100	4xMIMO	22.40	22.51
	Band 7	An0	20M	2535	21100	QPSK	1	0	4xMIMO	Band 2	20M	1980	900		22.86	23.04
CA_2A-6A	Band 2	An1	20M	1880	18900	QPSK	1	0		Band 7	20M	2655	3100	4xMIMO	21.38	21.58
	Band 7	An1	20M	2535	21100	QPSK	1	0	4xMIMO	Band 2	20M	1980	900		22.12	22.21
CA_2A-6A	Band 2	An0	20M	1880	18900	QPSK	1	0		Band 66	20M	2155	66886	4xMIMO	22.35	22.51
	Band 66	An0	20M	1745	132322	QPSK	1	0	4xMIMO	Band 2	20M	1980	900		22.63	22.80
CA_2A-6A	Band 66	An0	20M	1745	132322	QPSK	1	0	4xMIMO	Band 2	20M	1980	900		21.95	22.16
	Band 4	An0	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 5	10M	881.5	2525		22.66	22.76
CA_4A-5A	Band 5	An0	10M	836.5	20525	QPSK	1	0		Band 4	20M	2133	2175	4xMIMO	22.45	22.86
	Band 4	An1	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 5	10M	881.5	2525		21.93	22.39
CA_4A-7A	Band 4	An0	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 7	20M	2655	3100	4xMIMO	22.23	22.48
	Band 7	An0	20M	2535	21100	QPSK	1	0	4xMIMO	Band 4	20M	2133	2175	4xMIMO	22.55	22.76
CA_4A-7A	Band 7	An0	20M	2535	21100	QPSK	1	0	4xMIMO	Band 4	20M	2133	2175	4xMIMO	22.86	23.04
	Band 4	An1	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 7	20M	2655	3100	4xMIMO	21.96	22.09
CA_5A-41A	Band 7	An1	20M	2535	21100	QPSK	1	0	4xMIMO	Band 4	20M	2133	2175	4xMIMO	22.10	22.21
	Band 5	An0	10M	836.5	20525	QPSK	1	0		Band 41	20M	2593	40620	4xMIMO	22.46	22.66
CA_5A-41A	Band 41	An0	20M	2593	40620	QPSK	1	0	4xMIMO	Band 5	10M	881.5	2525		23.11	23.20
	Band 5	An1	10M	836.5	20525	QPSK	1	0		Band 41	20M	2593	40620	4xMIMO	22.30	22.48
CA_5A-6A	Band 41	An1	20M	2593	40620	QPSK	1	0	4xMIMO	Band 5	10M	881.5	2525		22.08	22.09
	Band 5	An0	10M	836.5	20525	QPSK	1	0		Band 66	20M	2145	66786	4xMIMO	22.48	22.66
CA_5A-6A	Band 66	An0	20M	1745	132322	QPSK	1	0	4xMIMO	Band 5	10M	881.5	2525		22.63	22.80
	Band 5	An1	10M	836.5	20525	QPSK	1	0		Band 66	20M	2145	66786	4xMIMO	22.32	22.48
CA_7B	Band 66	An1	20M	1745	132322	QPSK	1	0	4xMIMO	Band 5	10M	881.5	2525		22.02	22.16
	Band 7	An0	15M	2535	21100	QPSK	1	0	4xMIMO	Band 7	5M	2544	3193	4xMIMO	22.96	23.04
CA_7C	Band 7	An1	15M	2535	21100	QPSK	1	0	4xMIMO	Band 7	5M	2544	3193	4xMIMO	22.03	22.21
	Band 7	An0	20M	2535	21100	QPSK	1	0	4xMIMO	Band 7	20M	2655	3298	4xMIMO	22.86	23.04
CA_7A-7A	Band 7	An1	20M	2535	21100	QPSK	1	0	4xMIMO	Band 7	20M	2655	3298	4xMIMO	22.05	22.21
	Band 7	An0	20M	2535	21100	QPSK	1	0	4xMIMO	Band 7	5M	2688	3425	4xMIMO	22.86	23.04
CA_7A-26A	Band 7	An1	20M	2535	21100	QPSK	1	0	4xMIMO	Band 7	5M	2688	3425	4xMIMO	21.98	22.21
	Band 7	An0	20M	2535	21100	QPSK	1	0	4xMIMO	Band 26	15M	876.5	8865		22.86	23.04
CA_7A-26A	Band 26	An0	15M	831.5	26865	QPSK	1	0		Band 7	20M	2655	3100	4xMIMO	22.56	22.64
	Band 7	An1	20M	2535	21100	QPSK	1	0	4xMIMO	Band 26	15M	876.5	8865		22.10	22.21
CA_7A-32A	Band 26	An1	15M	831.5	26865	QPSK	1	0		Band 7	20M	2655	3100	4xMIMO	22.49	22.65
	Band 7	An0	20M	2535	21100	QPSK	1	0	4xMIMO	Band 32	20M	1474	10140		23.01	23.04
CA_7A-32A	Band 32	An0	20M	2535	21100	QPSK	1	0	4xMIMO	Band 32	20M	1474	10140		22.13	22.21
	Band 7	An1	20M	2535	21100	QPSK	1	0	4xMIMO	Band 42	20M	3500	42590	4xMIMO	22.85	23.04
CA_7A-42A	Band 42	An0	20M	2535	21100	QPSK	1	0	4xMIMO	Band 42	20M	3500	42590	4xMIMO	22.01	22.21
	Band 42	An2	20M	3500	42590	QPSK	1	0	4xMIMO	Band 7	20M	2655	3100	4xMIMO	21.61	21.65
CA_7A-66A	Band 7	An0	20M	2535	21100	QPSK	1	0	4xMIMO	Band 66	20M	2145	66786	4xMIMO	22.88	23.04
	Band 66	An0	20M	1745	132322	QPSK	1	0	4xMIMO	Band 7	20M	2655	3100	4xMIMO	22.62	22.80
CA_26A-41A	Band 66	An1	20M	1745	132322	QPSK	1	0	4xMIMO	Band 66	20M	2145	66786	4xMIMO	22.04	22.21
	Band 66	An0	20M	1745	132322	QPSK	1	0	4xMIMO	Band 7	20M	2655	3100	4xMIMO	21.97	22.16
CA_26A-41A	Band 26	An0	15M	831.5	26865	QPSK	1	0		Band 41	20M	2593	40620	4xMIMO	22.46	22.64
	Band 41	An0	20M	2593	40620	QPSK	1	0	4xMIMO	Band 26	15M	876.5	8865		23.11	23.20
CA_26A-41A	Band 26	An1	15M	831.5	26865	QPSK	1	0		Band 41	20M	2593	40620	4xMIMO	22.48	22.65
	Band 41	An1	20M	2593	40620	QPSK	1	0	4xMIMO	Band 26	15M	876.5	8865		22.05	22.09
CA_38C	Band 38	An0	15M	2595	38000	QPSK	1	0		Band 38	15M	26.1	38150	4xMIMO	23.16	23.19
	Band 38	An1	20M	2595	38000	QPSK	1	0		Band 38	20M	2615	38198	4xMIMO	21.68	22.01
CA_41C	Band 41	An0	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	20M	2613	40818	4xMIMO	23.02	23.20
	Band 41	An1	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	20M	2613	40818	4xMIMO	21.90	22.09
CA_41A-41A	Band 41	An0	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	5M	2688	41565	4xMIMO	23.00	23.20
	Band 41	An1	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	5M	2688	41565	4xMIMO	21.86	22.09
CA_41A-42A	Band 41	An0	20M	2593	40620	QPSK	1	0	4xMIMO	Band 42	20M	3500	42590	4xMIMO	22.98	23.20
	Band 41	An1	20M	2593	40620	QPSK	1	0	4xMIMO	Band 42	20M	3500	42590	4xMIMO	21.86	22.09
CA_42C	Band 42	An2	20M	3500	42590	QPSK	1	0	4xMIMO	Band 41	20M	2593	40620	4xMIMO	21.53	21.65
	Band 42	An2	20M	3500	42590	QPSK	1	0	4xMIMO	Band 42	15M	3517	42761	4xMIMO	21.59	21.65
CA_66B	Band 66	An0	15M	1745	132322	QPSK	1	0	4xMIMO	Band 66	5M	2198	67311	4xMIMO	22.69	22.80
	Band 66	An1	15M	1745	132322	QPSK	1	0	4xMIMO	Band 66	5M	2198	67311	4xMIMO	21.95	22.16
CA_66C	Band 66	An0	20M	1745	132322	QPSK	1	0	4xMIMO	Band 66	20M	2175	67084	4xMIMO	22.59	22.80
	Band 66	An1	20M	1745	132322	QPSK	1	0	4xMIMO	Band 66	20M	2175	67084	4xMIMO	21.94	22.16
CA_66A-66A	Band 66	An0	20M	1745	132322	QPSK	1	0	4xMIMO	Band 66	5M	2178	67111	4xMIMO	22.72	22.80
	Band 66	An1	20M	1745	132322	QPSK	1	0	4xMIMO	Band 66	5M	2178	67111	4xMIMO	22.03	22.21

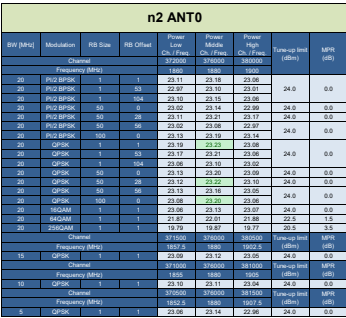
3CA DL

3CA List	PCC								SCC1				SCC2				Power				
	LTE	BW	BW	UL	UL	ULR	UL	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	Mod.	RB	Offset		Band	(MHz)	Freq. (MHz)	Channel		Band	(MHz)	Freq. (MHz)	Channel		(dBm)	Tx. Power (dBm)
CA_2A-4A-5A	Band 2	AnH0	20M	1880	18900	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	22.49	22.51
	Band 4	AnH0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 2	20M	1960	900	4x4MIMO	22.62	22.76
	Band 5	AnH0	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900		Band 4	20M	2132.5	2175	4x4MIMO	22.54	22.66
	Band 2	AnH1	20M	1880	18900	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	21.45	21.58
	Band 4	AnH1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 2	20M	1960	900	4x4MIMO	21.93	22.09
CA_2A-4A-7A	Band 5	AnH1	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900		Band 4	20M	2132.5	2175	4x4MIMO	22.43	22.48
	Band 2	AnH0	20M	1880	18900	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	22.44	22.51
	Band 4	AnH0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.59	22.76
	Band 7	AnH0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900		Band 4	20M	2132.5	2175	4x4MIMO	22.43	23.04
	Band 2	AnH1	20M	1880	18900	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	21.42	21.58
CA_2A-5A-7A	Band 4	AnH1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	21.96	22.09
	Band 7	AnH1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900		Band 4	20M	2132.5	2175	4x4MIMO	22.02	22.21
	Band 2	AnH0	20M	1880	18900	QPSK	1	0		Band 5	10M	881.5	2525		Band 7	20M	2655	3100	4x4MIMO	22.38	22.51
	Band 5	AnH0	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.47	22.66
	Band 7	AnH0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900		Band 5	10M	881.5	2525	4x4MIMO	22.86	23.04
CA_2A-5A-66A	Band 2	AnH1	20M	1880	18900	QPSK	1	0		Band 5	10M	881.5	2525		Band 7	20M	2655	3100	4x4MIMO	21.41	21.58
	Band 5	AnH1	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.32	22.48
	Band 7	AnH1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900		Band 5	10M	881.5	2525	4x4MIMO	22.03	22.21
	Band 2	AnH0	20M	1880	18900	QPSK	1	0		Band 5	10M	881.5	2525		Band 66	20M	2145	66786	4x4MIMO	22.42	22.51
	Band 5	AnH0	10M	836.5	20525	QPSK	1	0		Band 66	20M	2145	66786	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.51	22.66
CA_2A-7C	Band 66	AnH0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900		Band 5	10M	881.5	2525	4x4MIMO	22.62	22.80
	Band 2	AnH1	20M	1880	18900	QPSK	1	0		Band 5	10M	881.5	2525		Band 66	20M	2145	66786	4x4MIMO	21.45	21.58
	Band 5	AnH1	10M	836.5	20525	QPSK	1	0		Band 66	20M	2145	66786	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.38	22.48
	Band 66	AnH1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900		Band 5	10M	881.5	2525	4x4MIMO	21.98	22.16
	Band 2	AnH0	20M	1880	18900	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	22.35	22.51
CA_2A-7A-7A	Band 7	AnH0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.86	23.04
	Band 2	AnH1	20M	1880	18900	QPSK	1	0		Band 7	5M	2687.5	3425	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	21.46	21.58
	Band 7	AnH1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.02	22.21
	Band 2	AnH0	20M	1880	18900	QPSK	1	0		Band 66	20M	2145	66786	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	22.33	22.51
	Band 7	AnH0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900		Band 66	20M	2145	66786	4x4MIMO	22.86	23.04
CA_2A-7A-66A	Band 2	AnH1	20M	1880	18900	QPSK	1	0		Band 66	20M	2145	66786	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	21.43	21.58
	Band 7	AnH1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900		Band 66	20M	2145	66786	4x4MIMO	22.02	22.21
	Band 66	AnH1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900		Band 66	20M	2145	66786	4x4MIMO	21.91	22.16
	Band 4	AnH0	20M	2132.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	22.80	22.76
	Band 7	AnH0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.83	23.04
CA_5A-7C	Band 4	AnH1	20M	2132.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	21.97	22.09
	Band 7	AnH1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.05	22.21
	Band 5	AnH0	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	22.42	22.66
	Band 7	AnH0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	22.86	23.04
	Band 5	AnH1	10M	836.5	20525	QPSK	1	0		Band 66	20M	2145	66786	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	22.30	22.48
CA_5A-7A-66A	Band 7	AnH1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	22.02	22.21
	Band 5	AnH0	10M	836.5	20525	QPSK	1	0		Band 66	20M	2145	66786	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	22.45	22.66
	Band 7	AnH0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 66	20M	2145	66786	4x4MIMO	22.92	23.04
	Band 66	AnH0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 5	10M	881.5	2525	4x4MIMO	22.63	22.80
	Band 5	AnH1	10M	836.5	20525	QPSK	1	0		Band 66	20M	2145	66786	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	22.29	22.48
CA_5A-66A-66A	Band 7	AnH1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 66	20M	2145	66786	4x4MIMO	22.01	22.21
	Band 66	AnH1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	21.95	22.16
	Band 5	AnH0	10M	836.5	20525	QPSK	1	0		Band 66	20M	2145	66786	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	22.46	22.66
	Band 66	AnH0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	22.60	22.80
	Band 5	AnH1	10M	836.5	20525	QPSK	1	0		Band 66	20M	2145	66786	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	22.40	22.48
CA_7A-66A-66A	Band 66	AnH1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	21.99	22.16
	Band 7	AnH0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	22.86	23.04
	Band 66	AnH0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	22.64	22.80
	Band 7	AnH1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	21.96	22.21
	Band 66	AnH1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	22.02	22.16
CA_26A-41C	Band 26	AnH0	15M	831.5	26865	QPSK	1	0		Band 41	20M	2593	40620	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	22.51	22.64
	Band 41	AnH0	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 26	15M	876.5	8865	4x4MIMO	23.12	23.20
CA_41D	Band 26	AnH1	15M	831.5	26865	QPSK	1	0		Band 41	20M	2593	40620	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	22.42	22.65
	Band 41	AnH1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 26	15M	876.5	8865	4x4MIMO	21.86	22.09
	Band 41	AnH0	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 41	20M	2632.6	41016	4x4MIMO	23.06	23.20
	Band 41	AnH1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 41	20M	2632.6	41016	4x4MIMO	21.90	22.09



5CA DL

Configure	PCC								SCC1				SCC2				SCC3				SCC4				Power						
	LTE	BW	BW	UL	UL	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA	
	Band	Ant	(MHz)	Freq. (MHz)	Channel	Mod.	RB	Offset	Band	(MHz)	Freq. (MHz)	Channel	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	Tx. Power (dBm)	Tx. Power (dBm)	
CA_5A-7C-66A-66A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	22.58	22.66
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	22.39	22.48
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 5	5M	881.5	2525		22.52	22.04
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 5	5M	881.5	2525		22.07	22.21
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 5	10M	881.5	2525		Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	22.09	22.8
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 5	10M	881.5	2525		Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	22.08	22.16



n5 ANTO									
SRP (MS)	Modification	Observed MS	SRP Offset	Protein MW (kDa)	Protein pI (pH 7)	Protein MW (kDa)	Protein pI (pH 7)	Charge (pH 7)	SP
10	Frequency (MHz)			82.4	5.1	82.4	5.1		
	SRP	20	20	20	20	20	20	20	0.0
	PIB-SPGK1	1	59	23.18	23.23	23.17		24.0	0.0
	PIB-SPGK1	1	104	23.87	23.11	23.86		24.0	0.0
	PIB-SPGK1	50	20	23.18	23.28	23.28		24.0	0.0
	PIB-SPGK1	50	20	23.18	23.28	23.15		24.0	0.0
	PIB-SPGK1	50	20	23.18	23.28	23.15		24.0	0.0
	PIB-SPGK1	100	0	23.18	23.28	23.15		24.0	0.0
	SPGK1	1	1	23.40	23.43	23.37		24.0	0.0
	SPGK1	1	1	23.42	23.42	23.41		24.0	0.0
15	Frequency (MHz)			83.5	5.1	83.5	5.1		
	SRP	1	104	23.02	23.11	23.07		24.0	0.0
	PIB-SPGK1	1	59	23.18	23.28	23.18		24.0	0.0
	PIB-SPGK1	50	20	23.28	23.38	23.28		24.0	0.0
	PIB-SPGK1	50	20	23.28	23.38	23.25		24.0	0.0
	PIB-SPGK1	50	20	23.28	23.38	23.25		24.0	0.0
	PIB-SPGK1	100	0	23.15	23.35	23.15		24.0	0.0
	SPGK1	1	1	23.33	23.41	23.32		24.0	0.0
	SPGK1	1	1	23.33	23.33	23.33		23.0	1.0
	SPGK1	1	1	19.97	20.11	19.87	20.15	23.0	2.5
16	Frequency (MHz)			83.5	5.1	83.5	5.1		
	SRP	1	104	23.20	23.34	23.20		24.0	0.0
	PIB-SPGK1	1	59	23.18	23.28	23.18		24.0	0.0
	PIB-SPGK1	50	20	23.28	23.38	23.28		24.0	0.0
	PIB-SPGK1	50	20	23.28	23.38	23.25		24.0	0.0
	PIB-SPGK1	50	20	23.28	23.38	23.25		24.0	0.0
	PIB-SPGK1	100	0	23.15	23.35	23.15		24.0	0.0
	SPGK1	1	1	23.33	23.41	23.32		24.0	0.0
	SPGK1	1	1	23.33	23.33	23.33		23.0	1.0
	SPGK1	1	1	19.97	20.11	19.87	20.15	23.0	2.5
5	Frequency (MHz)			83.5	5.1	83.5	5.1		
	SRP	1	104	23.20	23.34	23.20		24.0	0.0
	PIB-SPGK1	1	59	23.18	23.28	23.18		24.0	0.0
	PIB-SPGK1	50	20	23.28	23.38	23.28		24.0	0.0
	PIB-SPGK1	50	20	23.28	23.38	23.25		24.0	0.0
	PIB-SPGK1	50	20	23.28	23.38	23.25		24.0	0.0
	PIB-SPGK1	100	0	23.15	23.35	23.15		24.0	0.0
	SPGK1	1	1	23.33	23.41	23.32		24.0	0.0
	SPGK1	1	1	23.33	23.33	23.33		23.0	1.0
	SPGK1	1	1	23.33	23.33	23.33		23.0	1.0

n7 ANT0								
Ext (MHz)	Modulation	RIS Size	RF Out Config	Power Max (dBm)	Power Min (dBm)	Power Max (dBm)	Time out (s)	LFH (dB)
Channel								
40	PRC BRSC	100	1	23.21	23.31	23.26		
40	PRC BRSC	1	100	23.22	23.30	23.18	24.0	0.0
40	PRC BRSC	100	1	23.21	23.31	23.26		
40	PRC BRSC	1	100	23.22	23.34	23.20	24.0	0.0
40	PRC BRSC	100	1	23.21	23.31	23.26		
40	PRC BRSC	100	100	23.18	23.20	23.22	24.0	0.0
40	PRC BRSC	210	0	23.20	23.35	23.28		
40	QPSK	100	1	23.21	23.31	23.23		
40	QPSK	1	100	23.22	23.31	23.23	24.0	0.0
40	QPSK	100	1	23.21	23.31	23.23		
40	QPSK	100	0	23.07	23.17	23.14	24.0	0.0
40	QPSK	100	1	23.21	23.31	23.23		
40	QPSK	100	100	23.11	23.22	23.12	24.0	0.0
40	QPSK	210	0	23.18	23.30	23.24		
40	TSQAM	100	1	23.18	23.30	23.24		
40	TSQAM	1	100	23.24	23.35	23.29	24.0	0.0
40	TSQAM	100	1	23.18	23.30	23.24	22.0	1.0
40	TSQAM	100	100	23.19	23.31	23.25	24.0	0.0
Channel								
Frequency (MHz)				915600	916000	915500	Time out (s)	LFH
30	PRC BRSC	1	1	23.08	23.32	23.22	24.0	0.0
Frequency (MHz)				915610	916010	915510	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				915620	916020	915520	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				915630	916030	915530	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				915640	916040	915540	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				915650	916050	915550	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				915660	916060	915560	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				915670	916070	915570	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				915680	916080	915580	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				915690	916090	915590	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				915700	916100	915600	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				915710	916110	915610	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				915720	916120	915620	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				915730	916130	915630	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				915740	916140	915640	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				915750	916150	915650	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				915760	916160	915660	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				915770	916170	915670	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				915780	916180	915680	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				915790	916190	915690	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				915800	916200	915700	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				915810	916210	915710	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				915820	916220	915720	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				915830	916230	915730	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				915840	916240	915740	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				915850	916250	915750	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				915860	916260	915760	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				915870	916270	915770	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				915880	916280	915780	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				915890	916290	915790	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				915900	916300	915800	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				915910	916310	915810	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				915920	916320	915820	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				915930	916330	915830	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				915940	916340	915840	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				915950	916350	915850	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				915960	916360	915860	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				915970	916370	915870	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				915980	916380	915880	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				915990	916390	915890	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				916000	916400	915900	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				916010	916410	915910	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				916020	916420	915920	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				916030	916430	915930	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				916040	916440	915940	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				916050	916450	915950	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				916060	916460	915960	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				916070	916470	915970	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				916080	916480	915980	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				916090	916490	915990	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				916100	916500	916000	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				916110	916510	916010	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				916120	916520	916020	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				916130	916530	916030	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				916140	916540	916040	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				916150	916550	916050	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				916160	916560	916060	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				916170	916570	916070	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				916180	916580	916080	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				916190	916590	916090	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				916200	916600	916100	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				916210	916610	916110	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				916220	916620	916120	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				916230	916630	916130	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				916240	916640	916140	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				916250	916650	916150	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				916260	916660	916160	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				916270	916670	916170	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				916280	916680	916180	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				916290	916690	916190	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				916300	916700	916200	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				916310	916710	916210	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				916320	916720	916220	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				916330	916730	916230	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				916340	916740	916240	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				916350	916750	916250	Time out (s)	LFH
30	PRC BRSC	1	1	23.09	23.33	23.21	24.0	0.0
Frequency (MHz)				916				

n66 ANT0									
SV (MHz)	Moderation	RB Size	RB Offset	Time Low	Time Mid	Time High	Peak Power (dBm)	Energy rate (dBm)	SFMR (dB)
Channel									
Frequency (MHz)									
40	PSK BPSK	1	1	21.12	21.12	21.12	24.0	0.0	
40	PSK BPSK	1	104	22.26	22.11	22.05	24.0	0.0	
40	PSK BPSK	1	215	23.40	23.14	23.08	24.0	0.0	
40	PSK BPSK	104	0	23.02	23.04	23.06	24.0	0.0	
40	PSK BPSK	104	104	23.50	23.50	23.50	24.0	0.0	
40	PSK BPSK	104	215	24.58	24.58	24.58	24.0	0.0	
40	QPSK	1	1	21.12	21.12	21.12	24.0	0.0	
40	QPSK	1	104	22.26	22.09	22.02	24.0	0.0	
40	QPSK	1	215	23.40	23.23	23.06	24.0	0.0	
40	QPSK	104	0	23.04	23.06	23.02	24.0	0.0	
40	QPSK	104	104	23.50	23.50	23.50	24.0	0.0	
40	QPSK	104	215	24.58	24.58	24.58	24.0	0.0	
40	MSKAM	1	1	21.12	21.12	21.12	24.0	0.0	
40	MSKAM	1	104	22.26	22.04	21.99	24.0	0.0	
40	MSKAM	1	215	23.40	23.18	23.12	24.0	0.0	
40	MSKAM	104	0	23.02	23.02	23.02	24.0	0.0	
40	MSKAM	104	104	23.50	23.50	23.50	24.0	0.0	
40	MSKAM	104	215	24.58	24.58	24.58	24.0	0.0	
40	MSKAM	1	1	19.77	19.85	19.80	20.0	3.0	
Frequency (MHz)									
30	PSK BPSK	1	1	30.90	30.90	30.90	24.0	0.0	
30	PSK BPSK	1	104	32.04	31.89	31.82	24.0	0.0	
30	PSK BPSK	1	215	33.18	33.03	32.96	24.0	0.0	
30	PSK BPSK	104	0	32.02	32.04	32.06	24.0	0.0	
30	PSK BPSK	104	104	33.16	33.16	33.16	24.0	0.0	
30	PSK BPSK	104	215	34.24	34.24	34.24	24.0	0.0	
30	QPSK	1	1	30.90	30.90	30.90	24.0	0.0	
30	QPSK	1	104	32.04	31.87	31.80	24.0	0.0	
30	QPSK	1	215	33.18	33.01	32.94	24.0	0.0	
30	QPSK	104	0	32.04	32.06	32.02	24.0	0.0	
30	QPSK	104	104	33.16	33.16	33.16	24.0	0.0	
30	QPSK	104	215	34.24	34.24	34.24	24.0	0.0	
30	MSKAM	1	1	30.90	30.90	30.90	24.0	0.0	
30	MSKAM	1	104	32.04	31.82	31.75	24.0	0.0	
30	MSKAM	1	215	33.18	32.96	32.89	24.0	0.0	
30	MSKAM	104	0	32.02	32.02	32.02	24.0	0.0	
30	MSKAM	104	104	33.16	33.16	33.16	24.0	0.0	
30	MSKAM	104	215	34.24	34.24	34.24	24.0	0.0	

n41 ANT0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	24.0	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	23.44	23.49	23.37	24.0	0.0
100	PI/2 BPSK	1	137	23.44	23.52	23.40		
100	PI/2 BPSK	1	271	23.43	23.54	23.50		
100	PI/2 BPSK	135	0	22.92	23.02	22.92		
100	PI/2 BPSK	135	69	23.34	23.47	23.39	24.0	0.0
100	PI/2 BPSK	135	138	22.95	23.06	22.99	23.5	0.5
100	PI/2 BPSK	270	0	23.01	23.07	23.00		
100	QPSK	1	1	23.20	23.37	23.43	24.0	0.0
100	QPSK	1	137	23.38	23.46	23.42		
100	QPSK	1	271	23.40	23.52	23.40		
100	QPSK	135	0	22.56	22.64	22.50		
100	QPSK	135	69	23.42	23.55	23.46	24.0	0.0
100	QPSK	135	138	22.40	22.52	22.37	23.0	1.0
100	QPSK	270	0	22.48	22.50	22.56		
100	16QAM	1	1	22.73	22.79	22.64	23.0	1.0
100	64QAM	1	1	21.07	21.21	21.14	21.5	2.5
100	256QAM	1	1	18.97	19.03	18.98	19.5	4.5
Channel				508200	518598	528996	24.0	0.0
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	23.16	23.48	23.33	24.0	0.0
Channel				507204	518598	529998	24.0	0.0
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	23.12	23.52	23.31	24.0	0.0
Channel				506202	518598	531000	24.0	0.0
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	23.11	23.43	23.30	24.0	0.0
Channel				505200	518598	531996	24.0	0.0
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	23.07	23.44	23.39	24.0	0.0
Channel				504204	518598	532998	24.0	0.0
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	23.15	23.52	23.32	24.0	0.0
Channel				503202	518598	534000	24.0	0.0
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	23.10	23.42	23.31	24.0	0.0
Channel				502200	518598	534998	24.0	0.0
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	23.12	23.53	23.40	24.0	0.0
Channel				501204	518598	535998	24.0	0.0
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	23.11	23.52	23.39	24.0	0.0

n41 HPUE ANT0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	27.0	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	26.45	26.60	26.51	27.0	0.0
100	PI/2 BPSK	1	137	26.48	26.53	26.46		
100	PI/2 BPSK	1	271	26.48	26.59	26.53		
100	PI/2 BPSK	135	0	26.56	26.61	26.49		
100	PI/2 BPSK	135	69	26.38	26.50	26.36	27.0	0.0
100	PI/2 BPSK	135	138	26.43	26.57	26.54	27.0	0.0
100	PI/2 BPSK	270	0	26.41	26.55	26.51		
100	QPSK	1	1	26.21	26.53	26.50	27.0	0.0
100	QPSK	1	137	26.42	26.56	26.49		
100	QPSK	1	271	26.49	26.56	26.43		
100	QPSK	135	0	26.10	26.14	26.07		
100	QPSK	135	69	26.53	26.57	26.52	27.0	0.0
100	QPSK	135	138	26.00	26.15	26.11	26.5	0.5
100	QPSK	270	0	26.10	26.16	26.02		
100	16QAM	1	1	26.42	26.48	26.33	26.5	0.5
100	64QAM	1	1	24.73	24.87	24.83	25.0	2.0
100	256QAM	1	1	22.50	22.57	22.45	23.0	4.0
Channel				508200	518598	528996	27.0	0.0
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	26.16	26.48	26.36	27.0	0.0
Channel				507204	518598	529998	27.0	0.0
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	26.11	26.50	26.36	27.0	0.0
Channel				506202	518598	531000	27.0	0.0
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	26.06	26.50	26.35	27.0	0.0
Channel				505200	518598	531996	27.0	0.0
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	26.15	26.57	26.38	27.0	0.0
Channel				504204	518598	532998	27.0	0.0
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	26.09	26.57	26.37	27.0	0.0
Channel				503202	518598	534000	27.0	0.0
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	26.06	26.51	26.41	27.0	0.0
Channel				502200	518598	534998	27.0	0.0
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	26.09	26.54	26.39	27.0	0.0
Channel				501204	518598	535998	27.0	0.0
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	26.13	26.57	26.36	27.0	0.0



n2 ANT1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Ch. 1 Freq. [W/5000]	Power Ch. 2 Freq. [W/5000]	Power Ch. 3 Freq. [W/5000]	Tune-up time (min)	MPS (dB)	
Channel									
Frequency (MHz)									
20	PLC BPSK	1	1	22.31	22.38	22.25			
20	PLC BPSK	1	53	22.19	22.24	22.29	24.0	0.0	
20	PLC BPSK	1	104	22.22	22.31	22.23	24.0	0.0	
20	PLC BPSK	50	28	22.12	22.28	22.22	24.0	0.0	
20	PLC BPSK	50	56	22.22	22.31	22.24	24.0	0.0	
20	PLC BPSK	100	0	22.17	22.27	22.18			
20	QPSK	1	1	22.24	22.30	22.32			
20	QPSK	1	53	22.21	22.28	22.23	24.0	0.0	
20	QPSK	1	104	22.28	22.22	22.11			
20	QPSK	50	0	22.11	22.28	22.21	24.0	0.0	
20	QPSK	50	28	22.24	22.26	22.24	24.0	0.0	
20	QPSK	50	56	22.15	22.29	22.18	24.0	0.0	
20	QPSK	100	0	22.25	22.31	22.28			
20	8QAM	1	1	22.16	22.24	22.11	24.0	0.0	
20	8QAM	1	1	21.88	21.14	21.68	22.0	1.5	
20	8QAM	1	1	18.45	18.31	18.48	20.0	1.5	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.11	22.27	22.15	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.19	22.32	22.26	24.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.18	22.33	22.28	24.0	0.0	

n5 ANT1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. [W/5000]	Power Middle Ch. 1 Freq. [W/5000]	Power High Ch. 1 Freq. [W/5000]	Tune-up time (min)	MPS (dB)	
Channel									
Frequency (MHz)									
20	PLC BPSK	1	1	22.04	22.11	22.01			
20	PLC BPSK	1	53	22.08	22.04	22.08	24.0	0.0	
20	PLC BPSK	1	104	22.03	22.07	22.02			
20	PLC BPSK	50	0	22.04	22.11	22.05	24.0	0.0	
20	PLC BPSK	50	28	22.04	22.06	22.02	24.0	0.0	
20	PLC BPSK	50	56	22.08	22.08	22.07	24.0	0.0	
20	PLC BPSK	100	0	22.05	22.03	22.05			
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.11	22.10	22.05			
20	QPSK	1	53	22.02	22.05	22.07	24.0	0.0	
20	QPSK	1	104	22.14	22.08	22.11			
20	QPSK	50	0	22.09	22.03	22.05	24.0	0.0	
20	QPSK	50	28	22.08	22.07	22.06	24.0	0.0	
20	QPSK	50	56	22.05	22.06	22.07	24.0	0.0	
20	QPSK	100	0	22.06	22.05	22.07			
Channel									
Frequency (MHz)									
20	8QAM	1	1	22.00	22.08	22.07	24.0	0.0	
20	8QAM	1	1	22.09	22.12	22.08	22.0	1.5	
20	8QAM	1	1	19.14	19.08	19.15	20.0	1.5	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.01	22.09	22.05	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.00	22.03	22.07	24.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.10	22.08	22.05	24.0	0.0	

n7 ANT1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. [W/5000]	Power Middle Ch. 1 Freq. [W/5000]	Power High Ch. 1 Freq. [W/5000]	Tune-up time (min)	MPS (dB)	
Channel									
Frequency (MHz)									
40	PLC BPSK	1	1	22.00	22.05	22.48			
40	PLC BPSK	1	1108	22.01	22.02	22.07	24.0	0.0	
40	PLC BPSK	1	214	22.08	22.04	22.45			
40	PLC BPSK	108	0	22.39	22.44	22.31	24.0	0.0	
40	PLC BPSK	108	16	22.08	22.02	22.44	24.0	0.0	
40	PLC BPSK	108	108	22.00	22.00	22.09	24.0	0.0	
40	PLC BPSK	216	0	22.07	22.01	22.48			
40	QPSK	1	1	22.00	22.08	22.18			
40	QPSK	1	1108	22.45	22.58	22.41	24.0	0.0	
40	QPSK	1	214	22.04	22.03	22.45			
40	QPSK	108	0	22.19	22.33	22.20	24.0	0.0	
40	QPSK	108	16	22.01	22.01	22.44	24.0	0.0	
40	QPSK	108	108	22.00	22.48	22.38	24.0	0.0	
40	QPSK	216	0	22.28	22.39	22.31			
40	8QAM	1	1	22.08	22.02	22.47	24.0	0.0	
40	8QAM	1	1	20.88	20.89	20.82	22.0	1.5	
40	8QAM	1	1	18.16	18.05	18.03	20.0	1.5	
Channel									
Frequency (MHz)									
30	PLC BPSK	1	1	22.00	22.02	22.04	24.0	0.0	
Channel									
Frequency (MHz)									
25	PLC BPSK	1	1	22.03	22.09	22.40	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.08	22.03	22.05	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.04	22.07	22.43	24.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.01	22.01	22.03	24.0	0.0	

n66 ANT1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. [W/5000]	Power Middle Ch. 1 Freq. [W/5000]	Power High Ch. 1 Freq. [W/5000]	Tune-up time (min)	MPS (dB)	
Channel									
Frequency (MHz)									
40	PLC BPSK	1	1	22.45	22.04	22.00			
40	PLC BPSK	1	1108	22.34	22.39	22.35	24.0	0.0	
40	PLC BPSK	1	214	22.24	22.38	22.34			
40	PLC BPSK	108	0	22.31	22.45	22.38	24.0	0.0	
40	PLC BPSK	108	16	22.31	22.37	22.28	24.0	0.0	
40	PLC BPSK	108	108	22.28	22.34	22.02	24.0	0.0	
40	PLC BPSK	216	0	22.28	22.40	22.37			
40	QPSK	1	1	22.47	22.01	22.34			
40	QPSK	1	1108	22.20	22.30	22.28	24.0	0.0	
40	QPSK	1	214	22.21	22.32	22.25			
40	QPSK	108	0	22.22	22.38	22.33	24.0	0.0	
40	QPSK	108	16	22.44	22.45	22.37	24.0	0.0	
40	QPSK	108	108	22.34	22.39	22.31	24.0	0.0	
40	QPSK	216	0	22.33	22.42	22.29			
40	8QAM	1	1	22.37	22.51	22.28	24.0	0.0	
40	8QAM	1	1	21.10	21.21	21.12	22.0	1.5	
40	8QAM	1	1	18.90	18.13	18.08	20.0	1.5	
Channel									
Frequency (MHz)									
30	PLC BPSK	1	1	22.04	22.47	22.00	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.39	22.51	22.21	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.08	22.03	22.01	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.38	22.53	22.21	24.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.38	22.58	22.29	24.0	0.0	

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		
Frequency (MHz)				2545.01	2592.99	2640		
100	PI/2 BPSK	1	1	22.62	22.66	22.59		
100	PI/2 BPSK	1	137	22.63	22.68	22.59	24.0	0.0
100	PI/2 BPSK	1	271	22.61	22.70	22.63		
100	PI/2 BPSK	135	0	22.16	22.23	22.19	23.5	0.5
100	PI/2 BPSK	135	69	22.61	22.68	22.59	24.0	0.0
100	PI/2 BPSK	135	138	22.14	22.26	22.22	23.5	0.5
100	PI/2 BPSK	270	0	22.12	22.26	22.17		
100	QPSK	1	1	22.29	22.73	22.66		
100	QPSK	1	137	22.65	22.70	22.66	24.0	0.0
100	QPSK	1	271	22.57	22.66	22.54		
100	QPSK	135	0	21.65	21.73	21.67	23.0	1.0
100	QPSK	135	69	22.63	22.71	22.57	24.0	0.0
100	QPSK	135	138	21.63	21.74	21.61	23.0	1.0
100	QPSK	270	0	21.67	21.73	21.67		
100	16QAM	1	1	21.79	21.87	21.80	23.0	1.0
100	64QAM	1	1	20.28	20.36	20.22	21.5	2.5
100	256QAM	1	1	18.04	18.14	17.99	19.5	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	22.25	22.61	22.59	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	22.16	22.68	22.57	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	22.24	22.61	22.51	24.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	22.14	22.63	22.54	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	22.18	22.58	22.52	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	22.25	22.65	22.54	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	22.14	22.64	22.58	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	22.17	22.61	22.52	24.0	0.0

n41 HPUE 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		
Frequency (MHz)				2545.01	2592.99	2640		
100	PI/2 BPSK	1	1	25.65	25.80	25.65		
100	PI/2 BPSK	1	137	25.63	25.76	25.62	27.0	0.0
100	PI/2 BPSK	1	271	25.69	25.74	25.64		
100	PI/2 BPSK	135	0	25.69	25.76	25.63	27.0	0.0
100	PI/2 BPSK	135	69	25.69	25.77	25.68	27.0	0.0
100	PI/2 BPSK	135	138	25.58	25.69	25.65	27.0	0.0
100	PI/2 BPSK	270	0	25.71	25.76	25.69		
100	QPSK	1	1	25.44	25.82	25.70		
100	QPSK	1	137	25.67	25.80	25.71	27.0	0.0
100	QPSK	1	271	25.68	25.73	25.59		
100	QPSK	135	0	25.26	25.33	25.23	26.5	0.5
100	QPSK	135	69	25.67	25.78	25.64	27.0	0.0
100	QPSK	135	138	25.14	25.24	25.17	26.5	0.5
100	QPSK	270	0	25.22	25.32	25.23		
100	16QAM	1	1	23.47	25.56	25.48	26.5	0.5
100	64QAM	1	1	23.91	24.04	23.94	25.0	2.0
100	256QAM	1	1	21.65	21.71	21.58	23.0	4.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	25.37	25.76	25.63	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	25.34	25.69	25.61	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	25.35	25.71	25.60	27.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	25.37	25.70	25.63	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	25.29	25.66	25.66	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	25.29	25.74	25.65	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	25.34	25.76	25.65	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	25.40	25.67	25.56	27.0	0.0



Par270 n77 ANT2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. [dBm]	Power Max Ch. 1 Freq. [dBm]	Power High Ch. 1 Freq. [dBm]	Turn-up time (dBm)	MPS (dB)	
Channel									
Frequency (MHz)									
100	PLP BPSK	1	1	23.50	23.50	23.54			
100	PLP BPSK	1	137	23.51	23.50	23.50	24.0	0.0	
100	PLP BPSK	1	271	23.47	23.52	23.50			
100	PLP BPSK	135	0	23.07	23.19	23.05	23.0	0.0	
100	PLP BPSK	135	0	23.47	23.05	23.49	24.0	0.0	
100	PLP BPSK	135	136	23.08	23.14	23.00	23.0	0.0	
100	PLP BPSK	270	0	23.08	23.10	23.02			
Channel									
Frequency (MHz)									
100	QPSK	1	1	23.50	23.50	23.50			
100	QPSK	1	137	23.53	23.48	23.50	24.0	0.0	
100	QPSK	1	271	23.44	23.50	23.45			
100	QPSK	135	0	22.58	22.84	22.58	23.0	1.0	
100	QPSK	135	0	23.48	22.56	23.49	24.0	0.0	
100	QPSK	135	136	22.54	22.82	22.55	23.0	1.0	
100	QPSK	270	0	22.57	22.80	22.58			
100	MSK4M	1	1	22.75	22.74	22.68	23.0	1.0	
100	MSK4M	1	1	21.08	21.02	21.14	21.0	2.0	
100	MSK4M	1	1	19.04	19.14	19.10	19.0	4.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.53	23.50	23.47	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.48	23.50	23.48	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	23.49	23.50	23.52	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.43	23.51	23.40	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.53	23.54	23.51	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.45	23.54	23.52	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.47	23.52	23.50	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.43	23.51	23.40	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.41	23.56	23.54	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.51	23.40	23.48	24.0	0.0	

Par270 n77 HPUE ANT2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. [dBm]	Power Max Ch. 1 Freq. [dBm]	Power High Ch. 1 Freq. [dBm]	Turn-up time (dBm)	MPS (dB)	
Channel									
Frequency (MHz)									
100	PLP BPSK	1	1	26.38	26.42	26.38			
100	PLP BPSK	1	137	26.42	26.52	26.44	27.0	0.0	
100	PLP BPSK	1	271	26.41	26.48	26.37			
100	PLP BPSK	135	0	26.37	26.44	26.28	27.0	0.0	
100	PLP BPSK	135	0	26.34	26.46	26.30	27.0	0.0	
100	PLP BPSK	135	136	26.31	26.43	26.31	27.0	0.0	
100	PLP BPSK	270	0	26.27	26.41	26.27			
100	QPSK	1	1	26.38	26.50	26.37			
100	QPSK	1	137	26.38	26.44	26.30	27.0	0.0	
100	QPSK	1	271	26.42	26.51	26.40			
100	QPSK	135	0	25.97	26.08	26.00	26.0	1.0	
100	QPSK	135	0	26.47	26.40	26.30	27.0	0.0	
100	QPSK	135	136	25.98	25.99	25.98	26.0	1.0	
100	QPSK	270	0	26.01	26.08	26.00			
100	MSK4M	1	1	26.00	26.21	26.10	26.0	0.0	
100	MSK4M	1	1	24.59	24.72	24.67	25.0	2.0	
100	MSK4M	1	1	22.36	22.47	22.40	23.0	4.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	26.33	26.51	26.30	27.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	26.34	26.41	26.20	27.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	26.26	26.47	26.20	27.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	26.25	26.40	26.37	27.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	26.35	26.46	26.33	27.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	26.29	26.44	26.34	27.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	26.32	26.39	26.30	27.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	26.30	26.45	26.30	27.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	26.28	26.38	26.30	27.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	26.32	26.41	26.31	27.0	0.0	

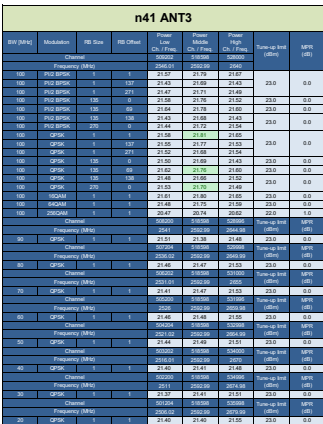
Part27Q n77 ANT2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. [dBm]	Power Max Ch. 1 Freq. [dBm]	Power High Ch. 1 Freq. [dBm]	Turn-up time (dBm)	MPS (dB)	
Channel									
Frequency [MHz]									
100	PLP BPSK	1	1	23.81					
100	PLP BPSK	1	137	23.83			24.0	0.0	
100	PLP BPSK	1	271	23.83					
100	PLP BPSK	135	0	23.79			23.0	0.0	
100	PLP BPSK	135	0	23.87			24.0	0.0	
100	PLP BPSK	135	136	23.74			23.0	0.0	
100	PLP BPSK	270	0	23.80					
100	QPSK	1	1	23.80					
100	QPSK	1	137	23.47			24.0	0.0	
100	QPSK	1	271	23.80					
100	QPSK	135	0	22.58			23.0	1.0	
100	QPSK	135	0	23.48			24.0	0.0	
100	QPSK	135	136	22.63			23.0	1.0	
100	QPSK	270	0	22.61					
100	MSK4M	1	1	22.72			23.0	1.0	
100	MSK4M	1	1	21.24			21.0	2.0	
100	MSK4M	1	1	19.13			19.0	4.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	23.50	23.57	23.50	24.0	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	23.40	23.49	23.50	24.0	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	23.57	23.59	23.50	24.0	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	1	23.43	23.53	23.50	24.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	23.41	23.53	23.50	24.0	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	23.39	23.61	23.41	24.0	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	23.37	23.63	23.37	24.0	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	23.35	23.65	23.35	24.0	0.0	
Channel									
Frequency [MHz]									
15	QPSK	1	1	23.34	23.66	23.34	24.0	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	23.34	23.67	23.34	24.0	0.0	

Part270 n78 ANT2									
RF (MHz)	Modulation	RF SS	RF Offset	Power dBm Tx Power Qu-Freq	Power dBm Tx Power Qu-Freq	Power dBm Tx Power Qu-Freq	Vehicle Info	MN (dB)	
100	FSK	1	0	27.00	23.87	27.00			
100	FSK-BPSK	1	167	27.00	23.87	27.00	24 0	0.0	
100	FSK-BPSK	1	271	27.00	23.87	27.00			
100	FSK-BPSK	168	0	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	172	66	27.00	23.87	27.00	24.0	0.0	
100	FSK-BPSK	176	134	27.00	23.87	27.00	24.0	0.0	
100	FSK-BPSK	270	0	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	274	66	27.00	23.87	27.00	24.0	0.0	
100	FSK-BPSK	278	134	27.00	23.87	27.00	24.0	0.0	
100	FSK-BPSK	272	0	27.00	23.87	27.00	23.0	1.0	
100	FSK-BPSK	276	66	27.00	23.87	27.00	24.0	0.0	
100	FSK-BPSK	280	134	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	274	0	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	278	66	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	282	134	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	276	0	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	280	66	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	284	134	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	278	0	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	282	66	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	286	134	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	280	0	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	284	66	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	288	134	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	282	0	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	286	66	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	290	134	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	284	0	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	288	66	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	292	134	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	286	0	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	290	66	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	294	134	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	288	0	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	292	66	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	296	134	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	290	0	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	294	66	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	298	134	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	292	0	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	296	66	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	300	134	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	294	0	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	298	66	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	302	134	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	296	0	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	300	66	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	304	134	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	300	0	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	304	66	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	308	134	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	302	0	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	306	66	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	310	134	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	304	0	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	308	66	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	312	134	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	306	0	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	310	66	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	314	134	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	308	0	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	312	66	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	316	134	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	310	0	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	314	66	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	318	134	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	312	0	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	316	66	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	320	134	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	314	0	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	318	66	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	322	134	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	316	0	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	320	66	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	324	134	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	318	0	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	322	66	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	326	134	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	320	0	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	324	66	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	328	134	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	322	0	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	326	66	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	330	134	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	324	0	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	328	66	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	332	134	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	326	0	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	330	66	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	334	134	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	328	0	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	332	66	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	336	134	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	330	0	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	334	66	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	338	134	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	332	0	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	336	66	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	340	134	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	334	0	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	338	66	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	342	134	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	336	0	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	340	66	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	344	134	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	338	0	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	342	66	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	346	134	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	340	0	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	344	66	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	348	134	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	342	0	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	346	66	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	350	134	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	344	0	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	348	66	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	352	134	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	346	0	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	350	66	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	354	134	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	348	0	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	352	66	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	356	134	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	350	0	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	354	66	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	358	134	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	352	0	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	356	66	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	360	134	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	354	0	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	358	66	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	362	134	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	356	0	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	360	66	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	364	134	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	358	0	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	362	66	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	366	134	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	360	0	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	364	66	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	368	134	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	362	0	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	366	66	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	370	134	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	364	0	27.00	23.86	27.00	23.0	0.0	
100	FSK-BPSK	368	66	27.00	23.86	27.00	23.0	0.0	
100	FSK								

Part270 n78 HPUE ANT2									
RF (MHz)	Modulation	RF SS	RF Offset	Power Class	Power Class Offset	Power Class Offset	Interf. (MHz)	Ant. (dB)	
Frequency (MHz)				WTR	WTR	WTR			
180	QPSK	1	0	26.47	26.47	26.47	27.0	0.0	
180	P4-DMB	1	187	26.47	26.47	26.47	27.0	0.0	
180	QPSK	1	271	26.47	26.47	26.47	27.0	0.0	
180	QPSK	1	355	26.47	26.47	26.47	27.0	0.0	
180	P4-DMB	1	439	26.47	26.47	26.47	27.0	0.0	
180	QPSK	1	523	26.47	26.47	26.47	27.0	0.0	
180	P4-DMB	1	607	26.47	26.47	26.47	27.0	0.0	
180	QPSK	1	691	26.47	26.47	26.47	27.0	0.0	
180	QPSK	1	775	26.47	26.47	26.47	27.0	0.0	
180	QPSK	1	859	26.47	26.47	26.47	27.0	0.0	
180	QPSK	1	943	26.47	26.47	26.47	27.0	0.0	
180	QPSK	1	1027	26.47	26.47	26.47	27.0	0.0	
180	QPSK	1	1111	26.47	26.47	26.47	27.0	0.0	
180	QPSK	1	1195	26.47	26.47	26.47	27.0	0.0	
180	QPSK	1	1279	26.47	26.47	26.47	27.0	0.0	
180	QPSK	1	1363	26.47	26.47	26.47	27.0	0.0	
180	QPSK	1	1447	26.47	26.47	26.47	27.0	0.0	
180	QPSK	1	1531	26.47	26.47	26.47	27.0	0.0	
180	QPSK	1	1615	26.47	26.47	26.47	27.0	0.0	
180	QPSK	1	1699	26.47	26.47	26.47	27.0	0.0	
180	QPSK	1	1783	26.47	26.47	26.47	27.0	0.0	
180	QPSK	1	1867	26.47	26.47	26.47	27.0	0.0	
180	QPSK	1	1951	26.47	26.47	26.47	27.0	0.0	
180	QPSK	1	2035	26.47	26.47	26.47	27.0	0.0	
180	QPSK	1	2119	26.47	26.47	26.47	27.0	0.0	
180	QPSK	1	2203	26.47	26.47	26.47	27.0	0.0	
180	QPSK	1	2287	26.47	26.47	26.47	27.0	0.0	
180	QPSK	1	2371	26.47	26.47	26.47	27.0	0.0	
180	QPSK	1	2455	26.47	26.47	26.47	27.0	0.0	
180	QPSK	1	2539	26.47	26.47	26.47	27.0	0.0	
180	QPSK	1	2623	26.47	26.47	26.47	27.0	0.0	
180	QPSK	1	2707	26.47	26.47	26.47	27.0	0.0	
180	QPSK	1	2791	26.47	26.47	26.47	27.0	0.0	
180	QPSK	1	2875	26.47	26.47	26.47	27.0	0.0	
180	QPSK	1	2959	26.47	26.47	26.47	27.0	0.0	
180	QPSK	1	3043	26.47	26.47	26.47	27.0	0.0	
180	QPSK	1	3127	26.47	26.47	26.47	27.0	0.0	
180	QPSK	1	3211	26.47	26.47	26.47	27.0	0.0	
180	QPSK	1	3295	26.47	26.47	26.47	27.0	0.0	
180	QPSK	1	3379	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	3463	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	3547	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	3631	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	3715	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	3799	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	3883	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	3967	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	4051	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	4135	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	4219	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	4303	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	4387	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	4471	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	4555	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	4639	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	4723	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	4807	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	4891	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	4975	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	5059	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	5143	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	5227	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	5311	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	5395	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	5479	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	5563	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	5647	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	5731	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	5815	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	5899	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	5983	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	6067	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	6151	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	6235	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	6319	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	6403	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	6487	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	6571	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	6655	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	6739	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	6823	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	6907	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	6991	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	7075	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	7159	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	7243	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	7327	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	7411	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	7495	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	7579	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	7663	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	7747	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	7831	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	7915	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	7999	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	8083	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	8167	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	8251	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	8335	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	8419	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	8503	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	8587	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	8671	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	8755	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	8839	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	8923	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	9007	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	9091	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	9175	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	9259	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	9343	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	9427	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	9511	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	9595	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	9679	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	9763	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	9847	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	9931	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	10015	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	10099	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	10183	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	10267	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	10351	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	10435	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	10519	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	10603	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	10687	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	10771	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	10855	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	10939	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	11023	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	11107	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	11191	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	11275	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	11359	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	11443	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	11527	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	11611	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	11695	2	26.48	26.48	26.48	27.0	0.0
180	QPSK	1	11779	2	26.48	26.48	26.4		

Part27Q 78 AN2								
Bit (MHz)	Modulation	RF Size	RF Offset	Power Class (dBm)	Power Flatten Class (dBm)	Power High Class (dBm)	Frequency Step (MHz)	MT (MHz)
Frequency (MHz)								
100	QPSK	128	0	23.5	23.5			
100	QPSK	128	127	23.54	23.54		24.0	0.0
100	QPSK	128	255	23.58	23.58			
100	QPSK	128	383	23.62	23.62		23.5	0.0
100	QPSK	128	511	23.66	23.66			
100	QPSK	128	639	23.70	23.70		23.5	0.0
100	QPSK	128	767	23.74	23.74			
100	QPSK	128	895	23.78	23.78		24.0	0.0
100	QPSK	128	1023	23.82	23.82			
100	QPSK	128	1151	23.86	23.86		24.0	0.0
100	QPSK	128	1279	23.90	23.90			
100	QPSK	256	0	23.58	23.58		23.5	0.0
100	QPSK	256	128	23.62	23.62			
100	QPSK	256	256	23.66	23.66		24.0	0.0
100	QPSK	256	384	23.70	23.70			
100	QPSK	256	512	23.74	23.74		23.5	0.0
100	QPSK	256	640	23.78	23.78			
100	QPSK	256	768	23.82	23.82		24.0	0.0
100	QPSK	256	896	23.86	23.86			
100	QPSK	256	1024	23.90	23.90		23.5	0.0
100	QPSK	256	1152	23.94	23.94			
100	QPSK	256	1280	23.98	23.98		24.0	0.0
100	QPSK	256	1408	24.02	24.02			
100	QPSK	256	1536	24.06	24.06		23.5	0.0
100	QPSK	256	1664	24.10	24.10			
100	QPSK	256	1792	24.14	24.14		24.0	0.0
100	QPSK	256	1920	24.18	24.18			
100	QPSK	256	2048	24.22	24.22		23.5	0.0
100	QPSK	256	2176	24.26	24.26			
100	QPSK	256	2304	24.30	24.30		24.0	0.0
100	QPSK	256	2432	24.34	24.34			
100	QPSK	256	2560	24.38	24.38		23.5	0.0
100	QPSK	256	2688	24.42	24.42			
100	QPSK	256	2816	24.46	24.46		24.0	0.0
100	QPSK	256	2944	24.50	24.50			
100	QPSK	256	3072	24.54	24.54		23.5	0.0
100	QPSK	256	3200	24.58	24.58			
100	QPSK	256	3328	24.62	24.62		24.0	0.0
100	QPSK	256	3456	24.66	24.66			
100	QPSK	256	3584	24.70	24.70		23.5	0.0
100	QPSK	256	3712	24.74	24.74			
100	QPSK	256	3840	24.78	24.78		24.0	0.0
100	QPSK	256	3968	24.82	24.82			
100	QPSK	256	4096	24.86	24.86		23.5	0.0
100	QPSK	256	4224	24.90	24.90			
100	QPSK	256	4352	24.94	24.94		24.0	0.0
100	QPSK	256	4480	24.98	24.98			
100	QPSK	256	4608	25.02	25.02		23.5	0.0
100	QPSK	256	4736	25.06	25.06			
100	QPSK	256	4864	25.10	25.10		24.0	0.0
100	QPSK	256	4992	25.14	25.14			
100	QPSK	256	5120	25.18	25.18		23.5	0.0
100	QPSK	256	5248	25.22	25.22			
100	QPSK	256	5376	25.26	25.26		24.0	0.0
100	QPSK	256	5504	25.30	25.30			
100	QPSK	256	5632	25.34	25.34		23.5	0.0
100	QPSK	256	5760	25.38	25.38			
100	QPSK	256	5888	25.42	25.42		24.0	0.0
100	QPSK	256	6016	25.46	25.46			
100	QPSK	256	6144	25.50	25.50		23.5	0.0
100	QPSK	256	6272	25.54	25.54			
100	QPSK	256	6400	25.58	25.58		24.0	0.0
100	QPSK	256	6528	25.62	25.62			
100	QPSK	256	6656	25.66	25.66		23.5	0.0
100	QPSK	256	6784	25.70	25.70			
100	QPSK	256	6912	25.74	25.74		24.0	0.0
100	QPSK	256	7040	25.78	25.78			
100	QPSK	256	7168	25.82	25.82		23.5	0.0
100	QPSK	256	7296	25.86	25.86			
100	QPSK	256	7424	25.90	25.90		24.0	0.0
100	QPSK	256	7552	25.94	25.94			
100	QPSK	256	7680	25.98	25.98		23.5	0.0
100	QPSK	256	7808	26.02	26.02			
100	QPSK	256	7936	26.06	26.06		24.0	0.0
100	QPSK	256	8064	26.10	26.10			
100	QPSK	256	8192	26.14	26.14		23.5	0.0
100	QPSK	256	8320	26.18	26.18			
100	QPSK	256	8448	26.22	26.22		24.0	0.0
100	QPSK	256	8576	26.26	26.26			
100	QPSK	256	8704	26.30	26.30		23.5	0.0
100	QPSK	256	8832	26.34	26.34			
100	QPSK	256	8960	26.38	26.38		24.0	0.0
100	QPSK	256	9088	26.42	26.42			
100	QPSK	256	9216	26.46	26.46		23.5	0.0
100	QPSK	256	9344	26.50	26.50			
100	QPSK	256	9472	26.54	26.54		24.0	0.0
100	QPSK	256	9600	26.58	26.58			
100	QPSK	256	9728	26.62	26.62		23.5	0.0
100	QPSK	256	9856	26.66	26.66			
100	QPSK	256	9984	26.70	26.70		24.0	0.0
100	QPSK	256	10112	26.74	26.74			
100	QPSK	256	10240	26.78	26.78		23.5	0.0
100	QPSK	256	10368	26.82	26.82			
100	QPSK	256	10496	26.86	26.86		24.0	0.0
100	QPSK	256	10624	26.90	26.90			
100	QPSK	256	10752	26.94	26.94		23.5	0.0
100	QPSK	256	10880	26.98	26.98			
100	QPSK	256	11008	27.02	27.02		24.0	0.0
100	QPSK	256	11136	27.06	27.06			
100	QPSK	256	11264	27.10	27.10		23.5	0.0
100	QPSK	256	11392	27.14	27.14			
100	QPSK	256	11520	27.18	27.18		24.0	0.0
100	QPSK	256	11648	27.22	27.22			
100	QPSK	256	11776	27.26	27.26		23.5	0.0
100	QPSK	256	11904	27.30	27.30			
100	QPSK	256	12032	27.34	27.34		24.0	0.0
100	QPSK	256	12160	27.38	27.38			
100	QPSK	256	12288	27.42	27.42		23.5	0.0
100	QPSK	256	12416	27.46	27.46			
100	QPSK	256	12544	27.50	27.50		24.0	0.0
100	QPSK	256	12672	27.54	27.54			
100	QPSK	256	12800	27.58	27.58		23.5	0.0
100	QPSK	256	12928	27.62	27.62			
100	QPSK	256	13056	27.66	27.66		24.0	0.0
100	QPSK	256	13184	27.70	27.70			
100	QPSK	256	13312	27.74	27.74		23.5	0.0
100	QPSK	256	13440	27.78	27.78			
100	QPSK	256	13568	27.82	27.82		24.0	0.0
100	QPSK	256	13696	27.86	27.86			
100	QPSK	256	13824	27.90	27.90		23.5	0.0
100	QPSK	256	13952	27.94	27.94			
100	QPSK	256	14080	27.98	27.98		24.0	0.0
100	QPSK	256	14208	28.02	28.02			
100	QPSK	256	14336	28.06	28.06		23.5	0.0
100	QPSK	256	14464	28.10	28.10			
100	QPSK	256	14592	28.14	28.14		24.0	0.0
100	QPSK	256	14720	28.18	28.18			
100	QPSK	256	14848	28.22	28.22		23.5	0.0
100	QPSK	256	14976	28.26	28.26			
100	QPSK	256	15104	28.30	28.30		24.0	0.0
100	QPSK	256	15232	28.34	28.34			
100	QPSK	256	15360	28.38	28.38		23.5	0.0
100	QPSK	256	15488	28.42	28.42			
100	QPSK	256	15616	28.46	28.46		24.0	0.0
100	QPSK	256	15744	28.50	28.50			
100	QPSK	256	15872	28.54	28.54		23.5	0.0
100	QPSK	256	16000	28.58	28.58			
100	QPSK	256	16128	28.62	28.62		24.0	0.0
100	QPSK	256	16256	28.66	28.66			
100	QPSK	256	16384	28.70	28.70		23.5	0.0
100	QPSK	256	16512	28.74	28.74			
100	QPSK	256	16640	28.78	28.78		24.0	0.0
100	QPSK	256	16768	28.82	28.82			
100	QPSK	256	16896	28.86	28.86		23.5	0.0
100	QPSK	256	17024	28.90	28.90			
100	QPSK	256	17152	28.94	28.94		24.0	0.0
100	QPSK	256	17280	28.98	28.98			
100	QPSK	256	17408	29.02	29.02		23.5	0.0
100	QPSK	256	17536	29.06	29.06			
100	QPSK	256	17664	29.10	29.10		24.0	0.0
100	QPSK	256	17792	29.14	29.14			
100	QPSK	256	17920	29.18	29.18		23.5	0.0
100	QPSK	256	18048	29.22	29.22			
100	QPSK	256	18176	29.26	29.26		24.0	0.0
100	QPSK	256	18304	29.30	29.30			
100	QPSK	256	18432	29.34	29.34		23.5	0.0
100	QPSK	256	18560	29.38	29.38			
100	QPSK	256	18688	29.42	29.42		24.0	0.0
100	QPSK	256	18816	29.46	29.46			
100	QPSK	256	18944	29.50	29.50		23.5	0.0
100	QPSK	256	19072	29.54	29.54			
100	QPSK	256	19200	29.58	29.58		24.0	0.0
100	QPSK	256	19328	29.62	29.62			
100	QPSK	256	19456	29.66	29.66		23.5	0.0
100	QPSK	256	19584	29.70	29.70			
100	QPSK	256	19712	29.74	29.74		24.0	0.0
100								

Part27Q 78 HPUE ANT2									
RF MHz	Modulation	RF Size	RF Offset	Power dBm Ch./Tx/Freq.	Power dBm Ch./Tx/Freq.	Power dBm Ch./Tx/Freq.	Power dBm Ch./Tx/Freq.	Frequency MHz	SPR dB
Frequency MHz									
500	PSK	150	1	-25.51	-25.51				
500	PSK	150	1	-25.45	-25.45			27.0	0.0
500	PSK	150	1	-25.45	-25.45				
500	PSK	150	271	-25.45	-25.45			27.0	0.0
500	PSK	150	271	-25.45	-25.45				
500	PSK	150	88	-25.29	-25.29			27.0	0.0
500	PSK	150	88	-25.41	-25.41				
500	PSK	270	0	-25.43	-25.43			27.0	0.0
500	PSK	270	0	-25.56	-25.56				
500	PSK	1	150	-25.51	-25.51			27.0	0.0
500	PSK	1	271	-25.37	-25.37				
500	PSK	150	88	-25.72	-25.72			26.5	0.5
500	PSK	150	88	-25.72	-25.72			27.0	0.0
500	PSK	270	0	-25.55	-25.55			26.5	0.5
500	PSK	270	0	-25.55	-25.55			26.5	0.5
500	QAM64	1	1	-23.79	-23.79			23.0	2.0
500	25QAM	1	1	-23.72	-23.72			23.0	4.0
Frequency MHz									
50	PSK	25.4	0	-25.45	-25.45	635354	635354	27.0	0.0
Channel									
				61266	635354	635354	635354		
50	PSK	25.4	0	-25.45	-25.45	635354	635354	27.0	0.0
Channel									
				635354	635354	635354	635354		
50	PSK	25.4	0	-25.45	-25.45	635354	635354	27.0	0.0
Frequency MHz									
70	PSK	25.4	0	-25.45	-25.45	635354	635354	27.0	0.0
Channel									
				3480	3480	3520	3520		
70	PSK	25.4	0	-25.45	-25.45	3520	3520	27.0	0.0
Frequency MHz									
80	PSK	1	1	-25.45	-25.45	635354	635354	27.0	0.0
Channel									
				635354	635354	635354	635354		
80	PSK	1	1	-25.45	-25.45	635354	635354	27.0	0.0
Frequency MHz									
80	PSK	1	1	-25.45	-25.45	635354	635354	27.0	0.0
Channel									
				635354	635354	635354	635354		
80	PSK	1	1	-25.44	-25.44	635354	635354	27.0	0.0
Frequency MHz									
80	PSK	1	1	-25.51	-25.51	635354	635354	27.0	0.0
Channel									
				3480	3480	3520	3520		
80	PSK	1	1	-25.51	-25.51	635354	635354	27.0	0.0
Frequency MHz									
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Channel									
				635354	635354	635354	635354		
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Frequency MHz									
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Channel									
				635354	635354	635354	635354		
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Frequency MHz									
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Channel									
				635354	635354	635354	635354		
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Frequency MHz									
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Channel									
				635354	635354	635354	635354		
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Frequency MHz									
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Channel									
				635354	635354	635354	635354		
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Frequency MHz									
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Channel									
				635354	635354	635354	635354		
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Frequency MHz									
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Channel									
				635354	635354	635354	635354		
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Frequency MHz									
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Channel									
				635354	635354	635354	635354		
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Frequency MHz									
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Channel									
				635354	635354	635354	635354		
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Frequency MHz									
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Channel									
				635354	635354	635354	635354		
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Frequency MHz									
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Channel									
				635354	635354	635354	635354		
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Frequency MHz									
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Channel									
				635354	635354	635354	635354		
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Frequency MHz									
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Channel									
				635354	635354	635354	635354		
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Frequency MHz									
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Channel									
				635354	635354	635354	635354		
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Frequency MHz									
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Channel									
				635354	635354	635354	635354		
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Frequency MHz									
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Channel									
				635354	635354	635354	635354		
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Frequency MHz									
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Channel									
				635354	635354	635354	635354		
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Frequency MHz									
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Channel									
				635354	635354	635354	635354		
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Frequency MHz									
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Channel									
				635354	635354	635354	635354		
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Frequency MHz									
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Channel									
				635354	635354	635354	635354		
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Frequency MHz									
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Channel									
				635354	635354	635354	635354		
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Frequency MHz									
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Channel									
				635354	635354	635354	635354		
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Frequency MHz									
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Channel									
				635354	635354	635354	635354		
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Frequency MHz									
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Channel									
				635354	635354	635354	635354		
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Frequency MHz									
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Channel									
				635354	635354	635354	635354		
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Frequency MHz									
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Channel									
				635354	635354	635354	635354		
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Frequency MHz									
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Channel									
				635354	635354	635354	635354		
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Frequency MHz									
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Channel									
				635354	635354	635354	635354		
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Frequency MHz									
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Channel									
				635354	635354	635354	635354		
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Frequency MHz									
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Channel									
				635354	635354	635354	635354		
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Frequency MHz									
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Channel									
				635354	635354	635354	635354		
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Frequency MHz									
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Channel									
				635354	635354	635354	635354		
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Frequency MHz									
15	PSK	15.0	0	-25.45	-25.45	635354	635354	27.0	0.0
Channel									
				635354	635354	635354	635354		
15	PSK	15.0	0	-25.45	-25.45	635354	635		



n41 HPUE ANT3									
Exp. (days)	Modulation	FE Dose	FE Offset	Low Energy Cutoff (keV)	High Energy Cutoff (keV)	Power Frac. (%)	Normalizing Line	HPUE (%)	
100									
Fe Channel									
100	SPRUE	1.00	0	18.88	26.00	24.50			
100	SPRUE	1.00	0	18.88	26.00	24.50	200	0.0	
100	SPRUE	1.00	0	24.50	26.00	24.50			
100	SPRUE	1.00	0	24.50	26.00	24.50	200	0.0	
100	SPRUE	1.00	0	24.50	26.00	24.50			
100	SPRUE	1.00	0	24.50	26.00	24.50	20.0	0.0	
100	SPRUE	1.00	0	24.50	26.00	24.50			
100	SPRUE	1.00	0	24.50	26.00	24.50	20.0	0.0	
100	SPRUE	1.00	0	24.50	26.00	24.50			
100	SPRUE	1.00	0	24.50	26.00	24.50	20.0	0.0	
100	SPRUE	1.00	0	24.50	26.00	24.50			
100	SPRUE	2.00	0	18.88	26.00	24.50			
100	SPRUE	2.00	0	18.88	26.00	24.50	200	0.0	
100	SPRUE	2.00	0	18.88	26.00	24.50			
100	SPRUE	2.00	0	18.88	26.00	24.50	20.0	0.0	
100	SPRUE	2.00	0	18.88	26.00	24.50			
100	SPRUE	2.00	0	18.88	26.00	24.50	20.0	0.0	
100	SPRUE	2.00	0	18.88	26.00	24.50			
100	SPRUE	2.00	0	18.88	26.00	24.50	20.0	0.0	
100	SPRUE	2.00	0	18.88	26.00	24.50			
100	SPRUE	2.00	0	18.88	26.00	24.50	20.0	0.0	
100	SPRUE	2.00	0	18.88	26.00	24.50			
100	SPRUE	2.00	0	18.88	26.00	24.50	20.0	0.0	
100	SPRUE	2.00	0	18.88	26.00	24.50			
100	SPRUE	2.00	0	18.88	26.00	24.50	20.0	0.0	
100	SPRUE	2.00	0	18.88	26.00	24.50			
100	SPRUE	2.00	0	18.88	26.00	24.50	20.0	0.0	
100	SPRUE	2.00	0	18.88	26.00	24.50			
100	SPRUE	2.00	0	18.88	26.00	24.50	20.0	0.0	
100	SPRUE	2.00	0	18.88	26.00	24.50			
100	SPRUE	2.00	0	18.88	26.00	24.50	20.0	0.0	
100	SPRUE	2.00	0	18.88	26.00	24.50			
100	SPRUE	2.00	0	18.88	26.00	24.50	20.0	0.0	
100	SPRUE	2.00	0	18.88	26.00	24.50			
100	SPRUE	2.00	0	18.88	26.00	24.50	20.0	0.0	
100	SPRUE	2.00	0	18.88	26.00	24.50			
100	SPRUE	2.00	0	18.88	26.00	24.50	20.0	0.0	
100	SPRUE	2.00	0	18.88	26.00	24.50			
100	SPRUE	2.00	0	18.88	26.00	24.50	20.0	0.0	
100	SPRUE	2.00	0	18.88	26.00	24.50			
100	SPRUE	2.00	0	18.88	26.00	24.50	20.0	0.0	

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Part27Q n77 ANT3									
Rev (MHz)	Modulation	RF Size	RF Offset	Power Level Ch. 1 (Fmax)	Power Level Ch. 2 (Fmax)	Power Level Ch. 3 (Fmax)	Turn-up Time (min)	MPT (dB)	
Channel									
Frequency (MHz)									
160	P12-BPSK	1	1	22.48			24.0	0.0	
160	P12-BPSK	1	127	22.48					
160	P12-BPSK	1	271	22.48			23.5	0.5	
160	P12-BPSK	156	0	22.52			24.0	0.0	
160	P12-BPSK	156	66	22.50			23.5	0.5	
160	P12-BPSK	270	0	22.51			24.0	0.0	
160	QPSK	1	1	22.50					
160	QPSK	1	127	22.52			24.0	0.0	
160	QPSK	1	271	22.57			24.0	0.0	
160	QPSK	156	0	22.50			24.0	0.0	
160	QPSK	156	66	22.50			24.0	0.0	
160	QPSK	270	0	22.50			24.0	0.0	
160	MSK4M	1	1	22.73			23.0	1.0	
160	MSK4M	1	1	22.77			23.5	0.5	
160	MSK4M	1	1	22.82			23.5	0.5	
Channel									
160	Frequency (MHz)	160.000	160.000	160.000	160.000	160.000	Turn-up time (min)	MPT (dB)	
90	QPSK	1	1	24.00	24.10	24.10	24.0	0.0	
Channel									
90	Frequency (MHz)	160.010	160.010	160.010	160.010	160.010	Turn-up time (min)	MPT (dB)	
90	QPSK	1	1	24.11	24.05	24.05	24.0	0.0	
Channel									
90	Frequency (MHz)	160.020	160.020	160.020	160.020	160.020	Turn-up time (min)	MPT (dB)	
70	QPSK	1	1	25.54	25.56	25.56	25.0	0.0	
Channel									
70	Frequency (MHz)	160.030	160.030	160.030	160.030	160.030	Turn-up time (min)	MPT (dB)	
60	QPSK	1	1	25.54	25.56	25.56	25.0	0.0	
Channel									
60	Frequency (MHz)	160.040	160.040	160.040	160.040	160.040	Turn-up time (min)	MPT (dB)	
50	QPSK	1	1	25.54	25.56	25.56	25.0	0.0	
Channel									
50	Frequency (MHz)	160.050	160.050	160.050	160.050	160.050	Turn-up time (min)	MPT (dB)	
40	QPSK	1	1	25.54	25.56	25.56	25.0	0.0	
Channel									
40	Frequency (MHz)	160.060	160.060	160.060	160.060	160.060	Turn-up time (min)	MPT (dB)	
30	QPSK	1	1	25.54	25.56	25.56	25.0	0.0	
Channel									
30	Frequency (MHz)	160.070	160.070	160.070	160.070	160.070	Turn-up time (min)	MPT (dB)	
20	QPSK	1	1	25.54	25.56	25.56	25.0	0.0	
Channel									
20	Frequency (MHz)	160.080	160.080	160.080	160.080	160.080	Turn-up time (min)	MPT (dB)	
10	QPSK	1	1	25.54	25.56	25.56	25.0	0.0	
Channel									
10	Frequency (MHz)	160.090	160.090	160.090	160.090	160.090	Turn-up time (min)	MPT (dB)	
0	QPSK	1	1	25.50	25.50	25.51	24.0	0.0	

Part27Q n77 HPUE ANT3									
REV (MHz)	Modulation	RF Size	RF Offset	Power Level Ch. 1 (Fmax)	Power Level Ch. 2 (Fmax)	Power Level Ch. 3 (Fmax)	Turnup time (min)	MPT (dB)	
Channel									
Frequency (MHz)									
160	P12-BPSK	1	1	25.50			27.0	0.0	
160	P12-BPSK	1	127	25.51					
160	P12-BPSK	1	271	25.51			27.0	0.0	
160	P12-BPSK	156	0	25.54			27.0	0.0	
160	P12-BPSK	156	66	25.56			27.0	0.0	
160	P12-BPSK	270	0	25.52			27.0	0.0	
160	QPSK	1	1	25.50					
160	QPSK	1	127	25.54			27.0	0.0	
160	QPSK	1	271	25.51			27.0	0.0	
160	QPSK	156	0	25.55			27.0	0.0	
160	QPSK	156	66	25.57			27.0	0.0	
160	QPSK	156	136	25.57			27.0	0.0	
160	QPSK	270	0	25.52			27.0	0.0	
160	MSK4M	1	1	25.14			26.0	0.5	
160	MSK4M	1	1	25.09			25.0	1.0	
160	MSK4M	1	1	25.04			25.0	0.0	
Channel									
90	Frequency (MHz)	160.000	160.000	160.000	160.000	160.000	Turnup time (min)	MPT (dB)	
90	QPSK	1	1	25.40	25.54	25.50	27.0	0.0	
Channel									
90	Frequency (MHz)	160.010	160.010	160.010	160.010	160.010	Turnup time (min)	MPT (dB)	
90	QPSK	1	1	25.41	25.45	25.41	26.0	0.0	
Channel									
90	Frequency (MHz)	160.020	160.020	160.020	160.020	160.020	Turnup time (min)	MPT (dB)	
70	QPSK	1	1	25.54	25.56	25.56	27.0	0.0	
Channel									
70	Frequency (MHz)	160.030	160.030	160.030	160.030	160.030	Turnup time (min)	MPT (dB)	
60	QPSK	1	1	25.54	25.56	25.56	27.0	0.0	
Channel									
60	Frequency (MHz)	160.040	160.040	160.040	160.040	160.040	Turnup time (min)	MPT (dB)	
50	QPSK	1	1	25.54	25.56	25.56	27.0	0.0	
Channel									
50	Frequency (MHz)	160.050	160.050	160.050	160.050	160.050	Turnup time (min)	MPT (dB)	
40	QPSK	1	1	25.54	25.56	25.56	27.0	0.0	
Channel									
40	Frequency (MHz)	160.060	160.060	160.060	160.060	160.060	Turnup time (min)	MPT (dB)	
30	QPSK	1	1	25.40	25.57	25.50	27.0	0.0	
Channel									
30	Frequency (MHz)	160.070	160.070	160.070	160.070	160.070	Turnup time (min)	MPT (dB)	
20	QPSK	1	1	25.40	25.52	25.50	27.0	0.0	
Channel									
20	Frequency (MHz)	160.080	160.080	160.080	160.080	160.080	Turnup time (min)	MPT (dB)	
10	QPSK	1	1	25.40	25.54	25.54	26.0	0.0	
Channel									
10	Frequency (MHz)	160.090	160.090	160.090	160.090	160.090	Turnup time (min)	MPT (dB)	
0	QPSK	1	1	25.40	25.50	25.57	27.0	0.0	

Part27Q n78 ANT3									
REV (MHz)	Modulation	RF Size	RF Offset	Power Level Ch. 1 (Fmax)	Power Level Ch. 2 (Fmax)	Power Level Ch. 3 (Fmax)	Turn-up time (min)	MPT (dB)	
Channel									
Frequency (MHz)									
160	P12-BPSK	1	1	22.84			24.0	0.0	
160	P12-BPSK	1	127	22.81					
160	P12-BPSK	1	271	22.89			23.5	0.5	
160	P12-BPSK	156	0	22.92			24.0	0.0	
160	P12-BPSK	156	66	22.85			24.0	0.0	
160	P12-BPSK	270	0	22.92			23.5	0.5	
160	QPSK	1	1	22.85					
160	QPSK	1	127	22.84			24.0	0.0	
160	QPSK	1	271	22.86			24.0	0.0	
160	QPSK	156	0	22.85			24.0	0.0	
160	QPSK	156	66	22.86			24.0	0.0	
160	QPSK	270	0	22.86			24.0	0.0	
160	MSK4M	1	1	22.74			23.0	1.0	
160	MSK4M	1	1	22.81			23.5	0.5	
160	MSK4M	1	1	22.87			23.5	0.5	
160	MSK4M	1	1	22.92			23.5	0.5	
Channel									
160	Frequency (MHz)	160.000	160.000	160.000	160.000	160.000	Turn-up time (min)	MPT (dB)	
90	QPSK	1	1	24.00	24.07	24.04	24.0	0.0	
Channel									
90	Frequency (MHz)	160.010	160.010	160.010	160.010	160.010	Turn-up time (min)	MPT (dB)	
90	QPSK	1	1	24.02	24.02	24.00	24.0	0.0	
Channel									
90	Frequency (MHz)	160.020	160.020	160.020	160.020	160.020	Turn-up time (min)	MPT (dB)	
90	QPSK	1	1	24.04	24.04	24.02	24.0	0.0	
Channel									
90	Frequency (MHz)	160.030	160.030	160.030	160.030	160.030	Turn-up time (min)	MPT (dB)	
90	QPSK	1	1	24.06	24.06	24.04	24.0	0.0	
Channel									
90	Frequency (MHz)	160.040	160.040	160.040	160.040	160.040	Turn-up time (min)	MPT (dB)	
90	QPSK	1	1	24.08	24.08	24.06	24.0	0.0	
Channel									
90	Frequency (MHz)	160.050	160.050	160.050	160.050	160.050	Turn-up time (min)	MPT (dB)	
90	QPSK	1	1	24.10	24.10	24.08	24.0	0.0	
Channel									
90	Frequency (MHz)	160.060	160.060	160.060	160.060	160.060	Turn-up time (min)	MPT (dB)	
90	QPSK	1	1	24.12	24.12	24.10	24.0	0.0	
Channel									
90	Frequency (MHz)	160.070	160.070	160.070	160.070	160.070	Turn-up time (min)	MPT (dB)	
90	QPSK	1	1	24.14	24.14	24.12	24.0	0.0	
Channel									
90	Frequency (MHz)	160.080	160.080	160.080	160.080	160.080	Turn-up time (min)	MPT (dB)	
90	QPSK	1	1	24.16	24.16	24.14	24.0	0.0	
Channel									
90	Frequency (MHz)	160.090	160.090	160.090	160.090	160.090	Turn-up time (min)	MPT (dB)	
90	QPSK	1	1	24.18	24.18	24.16	24.0	0.0	
Channel									
90	Frequency (MHz)	160.100	160.100	160.100	160.100	160.100	Turn-up time (min)	MPT (dB)	
90	QPSK	1	1	24.20	24.20	24.18	24.0	0.0	
Channel									
90	Frequency (MHz)	160.110	160.110	160.110	160.110	160.110	Turn-up time (min)	MPT (dB)	
90	QPSK	1	1	24.22	24.22	24.20	24.0	0.0	
Channel									
90	Frequency (MHz)	160.120	160.120	160.120	160.120	160.120	Turn-up time (min)	MPT (dB)	
90	QPSK	1	1	24.24	24.24	24.22	24.0	0.0	
Channel									
90	Frequency (MHz)	160.130	160.130	160.130	160.130	160.130	Turn-up time (min)	MPT (dB)	
90	QPSK	1	1	24.26	24.26	24.24	24.0	0.0	
Channel									
90	Frequency (MHz)	160.140	160.140	160.140	160.140	160.140	Turn-up time (min)	MPT (dB)	
90	QPSK	1	1	24.28	24.28	24.26	24.0	0.0	
Channel									
90	Frequency (MHz)	160.150	160.150	160.150	160.150	160.150	Turn-up time (min)	MPT (dB)	
90	QPSK	1	1	24.30	24.30	24.28	24.0	0.0	
Channel									
90	Frequency (MHz)	160.160	160.160	160.160	160.160	160.160	Turn-up time (min)	MPT (dB)	
90	QPSK	1	1	24.32	24.32	24.30	24.0	0.0	
Channel									
90	Frequency (MHz)	160.170	160.170	160.170	160.170	160.170	Turn-up time (min)	MPT (dB)	
90	QPSK	1	1	24.34	24.34	24.32	24.0	0.0	
Channel									
90	Frequency (MHz)	160.180	160.180	160.180	160.180	160.180	Turn-up time (min)	MPT (dB)	
90	QPSK	1	1	24.36	24.36	24.34	24.0	0.0	
Channel									
90	Frequency (MHz)	160.190	160.190	160.190	160.190	160.190	Turn-up time (min)	MPT (dB)	
90	QPSK	1	1	24.38	24.38	24.36	24.0	0.0	
Channel									
90	Frequency (MHz)	160.200	160.200	160.200	160.200	160.200	Turn-up time (min)	MPT (dB)	
90	QPSK	1	1	24.40	24.40	24.38	24.0	0.0	
Channel									
90	Frequency (MHz)	160.210	160.210	160.210	160.210	160.210	Turn-up time (min)	MPT (dB)	
90	QPSK	1	1	24.42	24.42	24.40	24.0	0.0	
Channel									
90	Frequency (MHz)	160.220	160.220	160.220	160.220	160.220	Turn-up time (min)	MPT (dB)	
90	QPSK	1	1	24.44	24.44	24.42	24.0	0.0	
Channel									
90	Frequency (MHz)	160.230	160.230	160.230	160.230	160.230	Turn-up time (min)	MPT (dB)	
90	QPSK	1	1	24.46	24.46	24.44	24.0	0.0	
Channel									
90	Frequency (MHz)	160.240	160.240	160.240	160.240	160.240	Turn-up time (min)	MPT (dB)	
90	QPSK	1	1	24.48	24.48	24.46	24.0	0.0	
Channel									
90	Frequency (MHz)	160.250	160.250	160.250	160.250	160.250	Turn-up time (min)	MPT (dB)	
90	QPSK	1	1	24.50	24.50	24.48	24.0	0.0	
Channel									
90	Frequency (MHz)	160.260	160.260	160.260	160.260	160.260	Turn-up time (min)	MPT (dB)	
90	QPSK	1	1	24.52	24.52	24.50	24.0	0.0	
Channel									
90	Frequency (MHz)	160.270	160.270	160.270	160.270	160.270	Turn-up time (min)	MPT (dB)	
90	QPSK	1	1	24.54	24.54	24.52	24.0	0.0	
Channel									
90	Frequency (MHz)	160.280	160.280	160.280	160.280	160.280	Turn-up time (min)	MPT (dB)	
90	QPSK	1	1	24.56	24.56	24.54	24.0	0.0	
Channel									
90	Frequency (MHz)	160.290	160.290	160.290	160.290	160.290	Turn-up time (min)	MPT (dB)	
90	QPSK	1	1	24.58	24.58	24.56	24.0	0.0	
Channel									
90	Frequency (MHz)	160.300	160.300	160.300	160.300	160.300	Turn-up time (min)	MPT (dB)	
90	QPSK	1	1	24.60	24.60	24.58	24.0	0.0	
Channel									
90	Frequency (MHz)	160.310	160.310	160.310	160.310	160.310	Turn-up time (min)	MPT (dB)	
90	QPSK	1	1	24.62	24.62	24.60	24.0	0.0	
Channel									
90	Frequency (MHz)	160.320	160.320	160.320	160.320	160.320	Turn-up time (min)	MPT (dB)	
90	QPSK	1	1	24.64	24.64	24.62	24.0	0.0	
Channel									
90	Frequency (MHz)	160.330	160.330	160.330	160.330	160.330	Turn-up time (min)	MPT (dB)	
90	QPSK	1	1	24.66	24.66	24.64	24.0	0.0	
Channel									
90	Frequency (MHz)	160.340	160.340	160.340	160.340	160.340	Turn-up time (min)	MPT (dB)	
90	QPSK	1	1	24.68	24.68	24.66	24.0	0.0	
Channel									
90	Frequency (MHz)	160.350	160.350	160.350	160.350	160.350	Turn-up time (min)	MPT (dB)	
90	QPSK	1	1	24.70	24.70	24.68	24.0	0.0	
Channel									
90	Frequency (MHz)	160.360	160.360	160.360	160.360	160.360	Turn-up time (min)	MPT (dB)	
90	QPSK	1	1	24.72	24.72	24.70	24.0	0.0	
Channel									
90	Frequency (MHz)	160.370	160.370	160.370	160.370	160.370	Turn-up time (min)	MPT (dB)	
90	QPSK	1	1	24.74	24.74	24.72	24.0	0.0	
Channel									
90	Frequency (MHz)	160.380	160.380	160.380	160.380	160.380	Turn-up time (min)	MPT (dB)	
90	QPSK	1	1	24.76	24.76	24.74	24.0	0.0	
Channel									
90	Frequency (MHz)	160.390	160.390	160.390	160.390	160.390	Turn-up time (min)	MPT (dB)	
90	QPSK	1	1	24.78	24.78	24.76	24.0	0.0	
Channel									
90	Frequency (MHz)	160.400	160.400	160.400	160.400	160.400	Turn-up time (min)	MPT (dB)	
90	QPSK	1	1	24.80	24.80	24.78	24.0	0.0	
Channel									
90	Frequency (MHz)	160.410	160.410	160.410	160.410	160.410	Turn-up time (min)	MPT (dB)	
90	QPSK	1	1	24.82	24.82	24.80	24.0	0.0	
Channel									
90	Frequency (MHz)	160.420	160.420	160.420	160.420	160.420	Turn-up time (min)	MPT (dB)	
90	QPSK	1	1	24.84	24.84	24.82	24.0	0.0	
Channel									
90	Frequency (MHz)	160.430	160.430	160.430	160.430	160.430	Turn-up time (min)	MPT (dB)	
90	QPSK	1	1	24.86	24.86	24.84	24.0	0.0	
Channel									
90	Frequency (MHz)	160.440	160.440	160.440	160.440	160.440	Turn-up time (min)	MPT (dB)	
90	QPSK	1	1	24.88	24.88	24.86	24.0	0.0	
Channel									
90	Frequency (MHz)	160.450	160.450	160.450	160.450	160.450	Turn-up time (min)	MPT (dB)	
90	QPSK	1	1	24.90	24.90	24.88	24.0	0.0	
Channel									
90	Frequency (MHz)	160.460	160.460	160.460	160.460	160.460	Turn-up time (min)	MPT (dB)	
90	QPSK	1	1	24.92	24.92	24.90	24.0	0.0	
Channel									
90	Frequency (MHz)	160.470	160.470	160.470	160.470	160.470	Turn-up time (min)	MPT (dB)	
90	QPSK	1	1	24.94	24.94	24.92	24.0	0.0	
Channel									
90	Frequency (MHz)	160.480	160.480	160.480	160.480	160.480	Turn-up time (min)	MPT (dB)	
90	QPSK	1	1	24.96	24.96	24.94	24.0	0.0	
Channel									
90	Frequency (MHz)	160.490	160.490	160.490	160.490	160.490	Turn-up time (min)	MPT (dB)	
90	QPSK	1	1	24.98	24.98	24.96	24.0	0.0	
Channel									
90	Frequency (MHz)	160.500	160.500	160.500	160.500	160.500	Turn-up time (min)	MPT (dB)	
90	QPSK	1	1	25.00	25.00	24.98	24.0	0.0	
Channel									
90	Frequency (MHz)	160.510	160.510	160.510	160.510	160.510	Turn-up time (min)	MPT (dB)	
90	QPSK	1	1	25.02	25.02	25.00	24.0	0.0	
Channel									
90	Frequency (MHz)	160.520	160.520	160.520	160.520	160.520	Turn-up time (min)	MPT (dB)	
90	QPSK	1	1	25.04	25.04	25.02	24.0	0.0	
Channel									
90	Frequency (MHz)	160.530	160.530	160.530	160.530	160.530	Turn-up time (min)	MPT (dB)	
90	QPSK	1	1	25.06	25.06	25.04	24.0	0.0	
Channel									
90	Frequency (MHz)	160.540	160.540	160.5					

Part27Q 78 ANT3							
ENV (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F (MHz)	Power Mid Ch. F (MHz)	Power High Ch. F (MHz)	Turn-up time (min)
Channel							
Frequency (MHz)							
100	PI2 BPSK	1	1	23.00			
100	PI2 BPSK	1	137	23.00		24.0	0.0
100	PI2 BPSK	1	271	23.00			
100	PI2 BPSK	106	0	23.00		23.5	0.0
100	PI2 BPSK	106	80	23.00		24.0	0.0
100	PI2 BPSK	106	158	23.00			
100	PI2 BPSK	270	0	23.00		23.5	0.0
100	QPSK	1	1	23.00			
100	QPSK	1	137	23.00		24.0	0.0
100	QPSK	106	0	23.00		24.0	0.0
100	QPSK	106	80	23.00		24.0	0.0
100	QPSK	106	158	23.00		24.0	0.0
100	QPSK	270	0	23.00		24.0	0.0
100	16QAM	1	1	23.00		23.5	1.0
100	16QAM	1	1	23.00		23.5	2.0
100	256QAM	1	1	23.00		23.5	4.0
Channel							
Frequency (MHz)							
90	QPSK	1	1	22.00	22.04	22.04	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	21.00	21.03	21.03	24.0
Channel							
Frequency (MHz)							
70	QPSK	1	1	20.00	20.03	20.03	24.0
Channel							
Frequency (MHz)							
60	QPSK	1	1	19.00	19.03	19.03	24.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	18.00	18.03	18.03	24.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	17.00	17.03	17.03	24.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	16.00	16.03	16.03	24.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	15.00	15.03	15.03	24.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	14.00	14.03	14.03	24.0
Channel							
Frequency (MHz)							
0	QPSK	1	1	13.00	13.03	13.03	24.0

Part27Q 78 HPUE ANT3							
ENV (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F (MHz)	Power Mid Ch. F (MHz)	Power High Ch. F (MHz)	Turn-up time (min)
Channel							
Frequency (MHz)							
100	PI2 BPSK	1	0	20.00			
100	PI2 BPSK	1	107	20.00		21.0	0.0
100	PI2 BPSK	1	210	20.00			
100	PI2 BPSK	106	0	20.00		20.5	0.0
100	PI2 BPSK	106	80	20.00		20.5	0.0
100	PI2 BPSK	106	158	20.00		20.5	0.0
100	PI2 BPSK	210	0	20.00		20.5	0.0
100	QPSK	1	0	20.00			
100	QPSK	1	107	20.00		21.0	0.0
100	QPSK	106	0	20.00		20.5	0.0
100	QPSK	106	80	20.00		20.5	0.0
100	QPSK	106	158	20.00		20.5	0.0
100	QPSK	210	0	20.00		20.5	0.0
100	16QAM	1	0	20.00		20.5	1.0
100	16QAM	1	0	20.00		20.5	2.0
100	256QAM	1	0	20.00		20.5	4.0
Channel							
Frequency (MHz)							
90	QPSK	1	1	19.00	19.04	19.04	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	18.00	18.04	18.04	24.0
Channel							
Frequency (MHz)							
70	QPSK	1	1	17.00	17.04	17.04	24.0
Channel							
Frequency (MHz)							
60	QPSK	1	1	16.00	16.04	16.04	24.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	15.00	15.04	15.04	24.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	14.00	14.04	14.04	24.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	13.00	13.04	13.04	24.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	12.00	12.04	12.04	24.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	11.00	11.04	11.04	24.0
Channel							
Frequency (MHz)							
0	QPSK	1	1	10.00	10.04	10.04	24.0

n41 ANT4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	21.11	21.25	21.13	23.0	0.0
100	PI/2 BPSK	1	137	21.02	21.05	21.01		
100	PI/2 BPSK	1	271	21.02	21.04	21.01		
100	PI/2 BPSK	135	0	21.05	21.09	20.96		
100	PI/2 BPSK	135	69	21.02	21.05	21.03	23.0	0.0
100	PI/2 BPSK	135	138	20.71	20.84	20.71	22.5	0.5
100	PI/2 BPSK	270	0	20.88	20.95	20.88		
100	QPSK	1	1	21.14	21.29	21.18	23.0	0.0
100	QPSK	1	137	21.02	21.09	21.08		
100	QPSK	1	271	21.02	21.05	21.01		
100	QPSK	135	0	20.90	21.00	20.96		
100	QPSK	135	69	21.06	21.09	21.02	23.0	0.0
100	QPSK	135	138	20.72	20.81	20.64	22.0	1.0
100	QPSK	270	0	20.92	20.95	20.83		
100	16QAM	1	1	21.00	21.05	20.98	22.0	1.0
100	64QAM	1	1	19.98	20.05	19.97	20.5	2.5
100	256QAM	1	1	17.27	17.38	17.20	18.5	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	21.03	21.23	21.07	23.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	21.01	21.21	21.04	23.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	21.08	21.18	21.08	23.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	21.05	21.18	21.13	23.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	21.07	21.24	21.11	23.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	21.00	21.13	21.08	23.0	0.0
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	21.06	21.23	21.05	23.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	21.07	21.15	21.04	23.0	0.0

n41 HPUE ANT4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	24.02	24.09	24.03	26.0	0.0
100	PI/2 BPSK	1	137	24.03	24.06	24.03		
100	PI/2 BPSK	1	271	24.02	24.05	23.96		
100	PI/2 BPSK	135	0	23.85	23.90	23.85		
100	PI/2 BPSK	135	69	24.05	24.15	24.08	26.0	0.0
100	PI/2 BPSK	135	138	23.97	24.02	23.94	25.5	0.5
100	PI/2 BPSK	270	0	23.98	24.07	24.02		
100	QPSK	1	1	24.12	24.21	24.16	26.0	0.0
100	QPSK	1	137	24.03	24.12	24.07		
100	QPSK	1	271	24.02	24.07	24.03		
100	QPSK	135	0	23.60	23.63	23.60		
100	QPSK	135	69	23.93	24.02	23.93	26.0	0.0
100	QPSK	135	138	23.56	23.61	23.52	25.0	1.0
100	QPSK	270	0	23.59	23.68	23.62		
100	16QAM	1	1	24.07	24.09	24.06	25.0	1.0
100	64QAM	1	1	22.45	22.51	22.45	23.5	2.5
100	256QAM	1	1	20.18	20.25	20.17	21.5	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	24.01	24.09	24.03	26.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	24.04	24.10	24.09	26.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	24.01	24.15	24.10	26.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	24.04	24.15	24.07	26.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	24.03	24.15	24.06	26.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	24.01	24.11	24.11	26.0	0.0
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	24.04	24.10	24.07	26.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	24.04	24.13	24.05	26.0	0.0

Par270 n77 ANT7									
RF (MHz)	Modulation	RF SSB	RF Offset	Power dBm Cn./Frac.	Power dBm Cn./Frac.	Power dBm Frac.	Offset Hz	RF dB	M dB
160	FM	157	0	24.21	23.81	23.75			0.0
160	FM	157	1	23.12	22.84	22.75	24.0	0	0.0
160	FM	158	0	24.21	23.81	23.75			0.0
160	FM	158	1	23.16	22.15	21.58	23.0	0.5	0.0
160	FM	159	0	24.21	23.29	23.25			0.0
160	FM	159	1	23.12	22.12	21.58	23.0	0.5	0.0
160	FM	210	0	21.81	20.92	21.87			0.0
160	FM	210	1	20.81	20.92	21.87	24.5	0.5	0.0
80	CPM	1	167	22.20	22.56	22.68			0.0
80	CPM	1	271	22.38	22.34	22.37			0.0
80	CPM	1	272	22.38	22.34	22.37	24.0	1.0	0.0
80	CPM	153	88	22.17	22.53	22.24	24.0	0.0	0.0
80	CPM	153	108	22.17	22.53	22.24	24.0	0.0	0.0
80	CPM	210	0	21.83	21.56	21.26	23.0	1.0	1.0
80	CPM	210	1	21.26	21.47	21.21	23.0	1.0	1.0
80	FM	157	0	24.21	23.81	23.75			0.0
80	FM	210MHz	1	17.89	18.02	17.92	19.5	4.5	0.0
40	CPM	Frequency (MHz)	Offset (Hz)	Power (dBm)	Power (dBm)	Power (dBm)			
40	CPM	157	0	24.21	23.81	23.75			0.0
40	CPM	157	1	23.12	22.84	22.75	24.0	0	0.0
40	CPM	158	0	24.21	23.81	23.75			0.0
40	CPM	158	1	23.16	22.54	22.47	24.0	0	0.0
40	CPM	159	0	24.21	23.29	23.25			0.0
40	CPM	159	1	23.16	22.15	21.58	23.0	0.5	0.0
40	CPM	210	0	21.81	20.92	21.87			0.0
40	CPM	210	1	20.81	20.92	21.87	24.5	0.5	0.0
40	CPM	Frequency (MHz)	Offset (Hz)	Power (dBm)	Power (dBm)	Power (dBm)			
40	CPM	157	0	24.21	23.81	23.75			0.0
40	CPM	157	1	23.12	22.84	22.75	24.0	0	0.0
40	CPM	158	0	24.21	23.81	23.75			0.0
40	CPM	158	1	23.16	22.54	22.47	24.0	0	0.0
40	CPM	159	0	24.21	23.29	23.25			0.0
40	CPM	159	1	23.16	22.15	21.58	23.0	0.5	0.0
40	CPM	210	0	21.81	20.92	21.87			0.0
40	CPM	210	1	20.81	20.92	21.87	24.5	0.5	0.0
40	CPM	Frequency (MHz)	Offset (Hz)	Power (dBm)	Power (dBm)	Power (dBm)			
40	CPM	157	0	24.21	23.81	23.75			0.0
40	CPM	157	1	23.12	22.84	22.75	24.0	0	0.0
40	CPM	158	0	24.21	23.81	23.75			0.0
40	CPM	158	1	23.16	22.54	22.47	24.0	0	0.0
40	CPM	159	0	24.21	23.29	23.25			0.0
40	CPM	159	1	23.16	22.15	21.58	23.0	0.5	0.0
40	CPM	210	0	21.81	20.92	21.87			0.0
40	CPM	210	1	20.81	20.92	21.87	24.5	0.5	0.0
40	CPM	Frequency (MHz)	Offset (Hz)	Power (dBm)	Power (dBm)	Power (dBm)			
40	CPM	157	0	24.21	23.81	23.75			0.0
40	CPM	157	1	23.12	22.84	22.75	24.0	0	0.0
40	CPM	158	0	24.21	23.81	23.75			0.0
40	CPM	158	1	23.16	22.54	22.47	24.0	0	0.0
40	CPM	159	0	24.21	23.29	23.25			0.0
40	CPM	159	1	23.16	22.15	21.58	23.0	0.5	0.0
40	CPM	210	0	21.81	20.92	21.87			0.0
40	CPM	210	1	20.81	20.92	21.87	24.5	0.5	0.0
40	CPM	Frequency (MHz)	Offset (Hz)	Power (dBm)	Power (dBm)	Power (dBm)			
40	CPM	157	0	24.21	23.81	23.75			0.0
40	CPM	157	1	23.12	22.84	22.75	24.0	0	0.0
40	CPM	158	0	24.21	23.81	23.75			0.0
40	CPM	158	1	23.16	22.54	22.47	24.0	0	0.0
40	CPM	159	0	24.21	23.29	23.25			0.0
40	CPM	159	1	23.16	22.15	21.58	23.0	0.5	0.0
40	CPM	210	0	21.81	20.92	21.87			0.0
40	CPM	210	1	20.81	20.92	21.87	24.5	0.5	0.0
40	CPM	Frequency (MHz)	Offset (Hz)	Power (dBm)	Power (dBm)	Power (dBm)			
40	CPM	157	0	24.21	23.81	23.75			0.0
40	CPM	157	1	23.12	22.84	22.75	24.0	0	0.0
40	CPM	158	0	24.21	23.81	23.75			0.0
40	CPM	158	1	23.16	22.54	22.47	24.0	0	0.0
40	CPM	159	0	24.21	23.29	23.25			0.0
40	CPM	159	1	23.16	22.15	21.58	23.0	0.5	0.0
40	CPM	210	0	21.81	20.92	21.87			0.0
40	CPM	210	1	20.81	20.92	21.87	24.5	0.5	0.0
40	CPM	Frequency (MHz)	Offset (Hz)	Power (dBm)	Power (dBm)	Power (dBm)			
40	CPM	157	0	24.21	23.81	23.75			0.0
40	CPM	157	1	23.12	22.84	22.75	24.0	0	0.0
40	CPM	158	0	24.21	23.81	23.75			0.0
40	CPM	158	1	23.16	22.54	22.47	24.0	0	0.0
40	CPM	159	0	24.21	23.29	23.25			0.0
40	CPM	159	1	23.16	22.15	21.58	23.0	0.5	0.0
40	CPM	210	0	21.81	20.92	21.87			0.0
40	CPM	210	1	20.81	20.92	21.87	24.5	0.5	0.0
40	CPM	Frequency (MHz)	Offset (Hz)	Power (dBm)	Power (dBm)	Power (dBm)			
40	CPM	157	0	24.21	23.81	23.75			0.0
40	CPM	157	1	23.12	22.84	22.75	24.0	0	0.0
40	CPM	158	0	24.21	23.81	23.75			0.0
40	CPM	158	1	23.16	22.54	22.47	24.0	0	0.0
40	CPM	159	0	24.21	23.29	23.25			0.0
40	CPM	159	1	23.16	22.15	21.58	23.0	0.5	0.0
40	CPM	210	0	21.81	20.92	21.87			0.0
40	CPM	210	1	20.81	20.92	21.87	24.5	0.5	0.0
40	CPM	Frequency (MHz)	Offset (Hz)	Power (dBm)	Power (dBm)	Power (dBm)			
40	CPM	157	0	24.21	23.81	23.75			0.0
40	CPM	157	1	23.12	22.84	22.75	24.0	0	0.0
40	CPM	158	0	24.21	23.81	23.75			0.0
40	CPM	158	1	23.16	22.54	22.47	24.0	0	0.0
40	CPM	159	0	24.21	23.29	23.25			0.0
40	CPM	159	1	23.16	22.15	21.58	23.0	0.5	0.0
40	CPM	210	0	21.81	20.92	21.87			0.0
40	CPM	210	1	20.81	20.92	21.87	24.5	0.5	0.0
40	CPM	Frequency (MHz)	Offset (Hz)	Power (dBm)	Power (dBm)	Power (dBm)			
40	CPM	157	0	24.21	23.81	23.75			0.0
40	CPM	157	1	23.12	22.84	22.75	24.0	0	0.0
40	CPM	158	0	24.21	23.81	23.75			0.0
40	CPM	158	1	23.16	22.54	22.47	24.0	0	0.0
40	CPM	159	0	24.21	23.29	23.25			0.0
40	CPM	159	1	23.16	22.15	21.58	23.0	0.5	0.0
40	CPM	210	0	21.81	20.92	21.87			0.0
40	CPM	210	1	20.81	20.92	21.87	24.5	0.5	0.0
40	CPM	Frequency (MHz)	Offset (Hz)	Power (dBm)	Power (dBm)	Power (dBm)			
40	CPM	157	0	24.21	23.81	23.75			0.0
40	CPM	157	1	23.12	22.84	22.75	24.0	0	0.0
40	CPM	158	0	24.21	23.81	23.75			0.0
40	CPM	158	1	23.16	22.54	22.47	24.0	0	0.0
40	CPM	159	0	24.21	23.29	23.25			0.0
40	CPM	159	1	23.16	22.15	21.58	23.0	0.5	0.0
40	CPM	210	0	21.81	20.92	21.87			0.0
40	CPM	210	1	20.81	20.92	21.87	24.5	0.5	0.0
40	CPM	Frequency (MHz)	Offset (Hz)	Power (dBm)	Power (dBm)	Power (dBm)			
40	CPM	157	0	24.21	23.81	23.75			0.0
40	CPM	157	1	23.12	22.84	22.75	24.0	0	0.0
40	CPM	158	0	24.21	23.81	23.75			0.0
40	CPM	158	1	23.16	22.54	22.47	24.0	0	0.0
40	CPM	159	0	24.21	23.29	23.25			0.0
40	CPM	159	1	23.16	22.15	21.58	23.0	0.5	0.0
40	CPM	210	0	21.81	20.92	21.87			0.0
40	CPM	210	1	20.81	20.92	21.87	24.5	0.5	0.0
40	CPM	Frequency (MHz)	Offset (Hz)	Power (dBm)	Power (dBm)	Power (dBm)			
40	CPM	157	0	24.21	23.81	23.75			0.0
40	CPM	157	1	23.12	22.84	22.75	24.0	0	0.0
40	CPM	158	0	24.21	23.81	23.75			0.0
40	CPM	158	1	23.16	22.54	22.47	24.0	0	0.0
40	CPM	159	0	24.21	23.29	23.25			0.0
40	CPM	159	1	23.16	22.15	21.58	23.0	0.5	0.0
40	CPM	210	0	21.81	20.92	21.87			0.0
40	CPM	210	1	20.81	20.92	21.87	24.5	0.5	0.0
40	CPM	Frequency (MHz)	Offset (Hz)	Power (dBm)	Power (dBm)	Power (dBm)			
40	CPM	157	0	24.21	23.81	23.75			0.0
40	CPM	157	1	23.12	22.84	22.75	24.0	0	0.0
40	CPM	158	0	24.21	23.81	23.75			0.0
40	CPM	158	1	23.16	22.54	22.47	24.0	0	0.0
40	CPM	159	0	24.21	23.29	23.25			0.0
40	CPM	159	1	23.16	22.15	21.58	23.0	0.5	0.0
40	CPM	210	0	21.81	20.92	21.87			0.0
40	CPM	210	1	20.81	20.92	21.87	24.5	0.5	0.0
40	CPM	Frequency (MHz)	Offset (Hz)	Power (dBm)	Power (dBm)	Power (dBm)			
40	CPM	157	0	24.21	23.81	23.75			0.0
40	CPM	157	1	23.12	22.84	22.75	24.0	0	0.0
40	CPM	158	0	24.21	23.81	23.75			0.0
40	CPM	158	1	23.16	22.54	22.47	24.0	0	0.0
40	CPM	159	0	24.21	23.29	23.25			0.0
40	CPM	159	1	23.16	22.15	21.58	23.0	0.5	0.0
40	CPM	210	0	21.81	20.92	21.87		</	

Par270 n77 HPUE ANT7									
RF (MHz)	Modulation	RF SSI	RF Offset	Power Channel (dBm)	Power Channel (dBm)	Power Channel (dBm)	Interp. gain (dB)	AFI (dB)	
100	QPSK	Y	0	20.34	20.48	20.31			
100	QPSK	Y	1	20.34	20.48	20.31	27.0	0.0	
100	QPSK	Y	2	20.34	20.48	20.31			
100	QPSK	Y	3	20.34	20.48	20.31	27.0	0.0	
100	QPSK	Y	4	20.34	20.48	20.31			
100	QPSK	Y	5	20.34	20.48	20.31	27.0	0.0	
100	QPSK	Y	6	20.34	20.48	20.31			
100	QPSK	Y	7	20.34	20.48	20.31	27.0	0.0	
100	QPSK	Y	8	20.34	20.48	20.31			
100	QPSK	Y	9	20.34	20.48	20.31	27.0	0.0	
100	QPSK	Y	10	20.34	20.48	20.31			
100	QPSK	Y	11	20.34	20.48	20.31	27.0	0.0	
100	QPSK	Y	12	20.34	20.48	20.31			
100	QPSK	Y	13	20.34	20.48	20.31	27.0	0.0	
100	QPSK	Y	14	20.34	20.48	20.31			
100	QPSK	Y	15	20.34	20.48	20.31	27.0	0.0	
100	QPSK	Y	16	20.34	20.48	20.31			
100	QPSK	Y	17	20.34	20.48	20.31	27.0	0.0	
100	QPSK	Y	18	20.34	20.48	20.31			
100	QPSK	Y	19	20.34	20.48	20.31	27.0	0.0	
100	QPSK	Y	20	20.34	20.48	20.31			
100	QPSK	Y	21	20.34	20.48	20.31	27.0	0.0	
100	QPSK	Y	22	20.34	20.48	20.31			
100	QPSK	Y	23	20.34	20.48	20.31	27.0	0.0	
100	QPSK	Y	24	20.34	20.48	20.31			
100	QPSK	Y	25	20.34	20.48	20.31	27.0	0.0	
100	QPSK	Y	26	20.34	20.48	20.31			
100	QPSK	Y	27	20.34	20.48	20.31	27.0	0.0	
100	QPSK	Y	28	20.34	20.48	20.31			
100	QPSK	Y	29	20.34	20.48	20.31	27.0	0.0	
100	QPSK	Y	30	20.34	20.48	20.31			
100	QPSK	Y	31	20.34	20.48	20.31	27.0	0.0	
100	QPSK	Y	32	20.34	20.48	20.31			
100	QPSK	Y	33	20.34	20.48	20.31	27.0	0.0	
100	QPSK	Y	34	20.34	20.48	20.31			
100	QPSK	Y	35	20.34	20.48	20.31	27.0	0.0	
100	QPSK	Y	36	20.34	20.48	20.31			
100	QPSK	Y	37	20.34	20.48	20.31	27.0	0.0	
100	QPSK	Y	38	20.34	20.48	20.31			
100	QPSK	Y	39	20.34	20.48	20.31	27.0	0.0	
100	QPSK	Y	40	20.34	20.48	20.31			
100	QPSK	Y	41	20.34	20.48	20.31	27.0	0.0	
100	QPSK	Y	42	20.34	20.48	20.31			
100	QPSK	Y	43	20.34	20.48	20.31	27.0	0.0	
100	QPSK	Y	44	20.34	20.48	20.31			
100	QPSK	Y	45	20.34	20.48	20.31	27.0	0.0	
100	QPSK	Y	46	20.34	20.48	20.31			
100	QPSK	Y	47	20.34	20.48	20.31	27.0	0.0	
100	QPSK	Y	48	20.34	20.48	20.31			
100	QPSK	Y	49	20.34	20.48	20.31	27.0	0.0	
100	QPSK	Y	50	20.34	20.48	20.31			
100	QPSK	Y	51	20.34	20.48	20.31	27.0	0.0	
100	QPSK	Y	52	20.34	20.48	20.31			
100	QPSK	Y	53	20.34	20.48	20.31	27.0	0.0	
100	QPSK	Y	54	20.34	20.48	20.31			
100	QPSK	Y	55	20.34	20.48	20.31	27.0	0.0	
100	QPSK	Y	56	20.34	20.48	20.31			
100	QPSK	Y	57	20.34	20.48	20.31	27.0	0.0	
100	QPSK	Y	58	20.34	20.48	20.31			
100	QPSK	Y	59	20.34	20.48	20.31	27.0	0.0	
100	QPSK	Y	60	20.34	20.48	20.31			
100	QPSK	Y	61	20.34	20.48	20.31	27.0	0.0	
100	QPSK	Y	62	20.34	20.48	20.31			
100	QPSK	Y	63	20.34	20.48	20.31	27.0	0.0	
100	QPSK	Y	64	20.34	20.48	20.31			
100	QPSK	Y	65	20.34	20.48	20.31	27.0	0.0	
100	QPSK	Y	66	20.34	20.48	20.31			
100	QPSK	Y	67	20.34	20.48	20.31	27.0	0.0	
100	QPSK	Y	68	20.34	20.48	20.31			
100	QPSK	Y	69	20.34	20.48	20.31	27.0	0.0	
100	QPSK	Y	70	20.34	20.48	20.31			
100	QPSK	Y	71	20.34	20.48	20.31	27.0	0.0	
100	QPSK	Y	72	20.34	20.48	20.31			
100	QPSK	Y	73	20.34	20.48	20.31	27.0	0.0	
100	QPSK	Y	74	20.34	20.48	20.31			
100	QPSK	Y	75	20.34	20.48	20.31	27.0	0.0	
100	QPSK	Y	76	20.34	20.48	20.31			
100	QPSK	Y	77	20.34	20.48	20.31	27.0	0.0	
100	QPSK	Y	78	20.34	20.48	20.31			
100	QPSK	Y	79	20.34	20.48	20.31	27.0	0.0	
100	QPSK	Y	80	20.34	20.48	20.31			
100	QPSK	Y	81	20.34	20.48	20.31	27.0	0.0	
100	QPSK	Y	82	20.34	20.48	20.31			
100	QPSK	Y	83	20.34	20.48	20.31	27.0	0.0	
100	QPSK	Y	84	20.34	20.48	20.31			
100	QPSK	Y	85	20.34	20.48	20.31	27.0	0.0	
100	QPSK	Y	86	20.34	20.48	20.31			
100	QPSK	Y	87	20.34	20.48	20.31	27.0	0.0	
100	QPSK	Y	88	20.34	20.48	20.31			
100	QPSK	Y	89	20.34	20.48	20.31	27.0	0.0	
100	QPSK	Y	90	20.34	20.48	20.31			
100	QPSK	Y	91	20.34	20.48	20.31	27.0	0.0	
100	QPSK	Y	92	20.34	20.48	20.31			
100	QPSK	Y	93	20.34	20.48	20.31	27.0	0.0	
100	QPSK	Y	94	20.34	20.48	20.31			
100	QPSK	Y	95	20.34	20.48	20.31	27.0	0.0	
100	QPSK	Y	96	20.34	20.48	20.31			
100	QPSK	Y	97	20.34	20.48	20.31	27.0	0.0	
100	QPSK	Y	98	20.34	20.48	20.31			
100	QPSK	Y	99	20.34	20.48	20.31	27.0	0.0	
100	QPSK	Y	100	20.34	20.48	20.31			

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