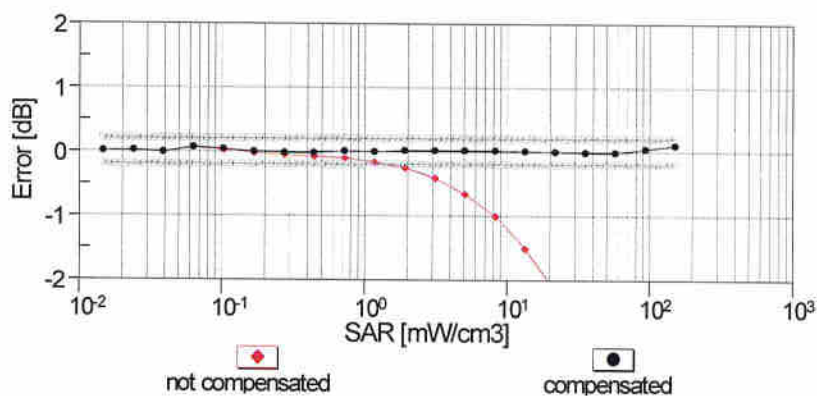
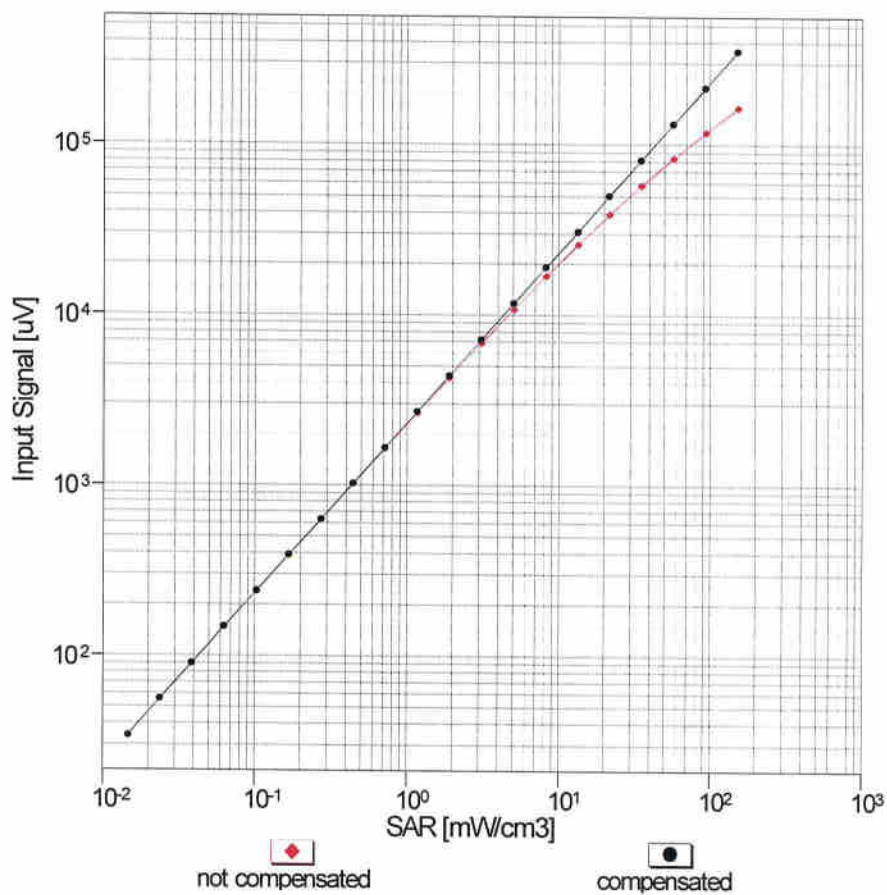
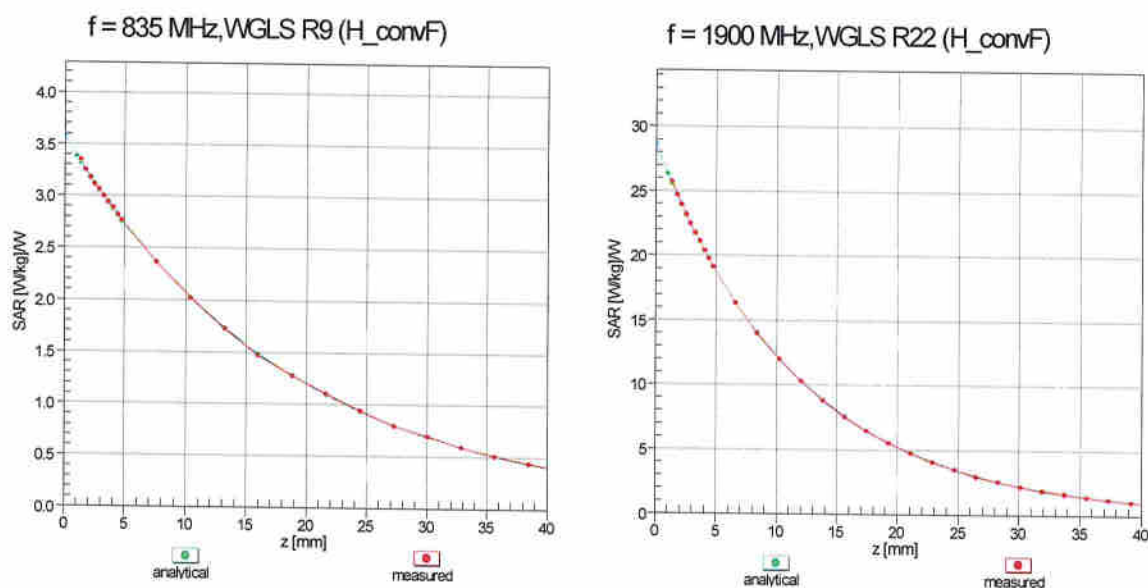


Dynamic Range $f(\text{SAR}_{\text{head}})$ (TEM cell , $f_{\text{eval}} = 1900 \text{ MHz}$)



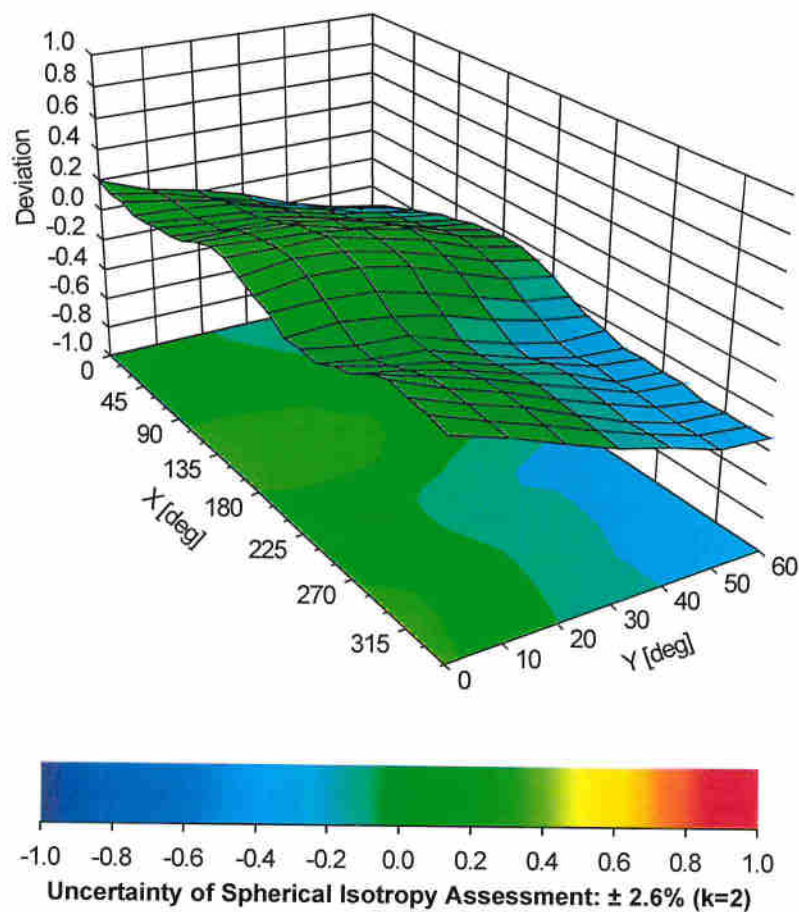
Uncertainty of Linearity Assessment: $\pm 0.6\%$ ($k=2$)

Conversion Factor Assessment



Deviation from Isotropy in Liquid

Error (ϕ, θ), $f = 900 \text{ MHz}$



Appendix: Modulation Calibration Parameters

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E (k=2)
0	-	CW	CW	0.00	± 4.7 %
10010	CAA	SAR Validation (Square, 100ms, 10ms)	Test	10.00	± 9.6 %
10011	CAB	UMTS-FDD (WCDMA)	WCDMA	2.91	± 9.6 %
10012	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	WLAN	1.87	± 9.6 %
10013	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	WLAN	9.46	± 9.6 %
10021	DAC	GSM-FDD (TDMA, GMSK)	GSM	9.39	± 9.6 %
10023	DAC	GPRS-FDD (TDMA, GMSK, TN 0)	GSM	9.57	± 9.6 %
10024	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	GSM	6.56	± 9.6 %
10025	DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	GSM	12.62	± 9.6 %
10026	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	GSM	9.55	± 9.6 %
10027	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	4.80	± 9.6 %
10028	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	3.55	± 9.6 %
10029	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM	7.78	± 9.6 %
10030	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Bluetooth	5.30	± 9.6 %
10031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Bluetooth	1.87	± 9.6 %
10032	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Bluetooth	1.16	± 9.6 %
10033	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	Bluetooth	7.74	± 9.6 %
10034	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	Bluetooth	4.53	± 9.6 %
10035	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	Bluetooth	3.83	± 9.6 %
10036	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth	8.01	± 9.6 %
10037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	Bluetooth	4.77	± 9.6 %
10038	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Bluetooth	4.10	± 9.6 %
10039	CAB	CDMA2000 (1xRTT, RC1)	CDMA2000	4.57	± 9.6 %
10042	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	AMPS	7.78	± 9.6 %
10044	CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	AMPS	0.00	± 9.6 %
10048	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	DECT	13.80	± 9.6 %
10049	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	DECT	10.79	± 9.6 %
10056	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	TD-SCDMA	11.01	± 9.6 %
10058	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	GSM	6.52	± 9.6 %
10059	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	WLAN	2.12	± 9.6 %
10060	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.83	± 9.6 %
10061	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	WLAN	3.60	± 9.6 %
10062	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	± 9.6 %
10063	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	± 9.6 %
10064	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	± 9.6 %
10065	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	± 9.6 %
10066	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	± 9.6 %
10067	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	± 9.6 %
10068	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	± 9.6 %
10069	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	WLAN	10.56	± 9.6 %
10071	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	9.83	± 9.6 %
10072	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	9.62	± 9.6 %
10073	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	WLAN	9.94	± 9.6 %
10074	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	WLAN	10.30	± 9.6 %
10075	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	WLAN	10.77	± 9.6 %
10076	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	10.94	± 9.6 %
10077	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	WLAN	11.00	± 9.6 %
10081	CAB	CDMA2000 (1xRTT, RC3)	CDMA2000	3.97	± 9.6 %
10082	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	AMPS	4.77	± 9.6 %
10090	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	6.56	± 9.6 %
10097	CAB	UMTS-FDD (HSDPA)	WCDMA	3.98	± 9.6 %
10098	CAB	UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	± 9.6 %
10099	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	± 9.6 %

10100	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	5.67	± 9.6 %
10101	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	± 9.6 %
10102	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10103	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TDD	9.29	± 9.6 %
10104	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDD	9.97	± 9.6 %
10105	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TDD	10.01	± 9.6 %
10108	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-FDD	5.80	± 9.6 %
10109	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	± 9.6 %
10110	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-FDD	5.75	± 9.6 %
10111	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-FDD	6.44	± 9.6 %
10112	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-FDD	6.59	± 9.6 %
10113	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-FDD	6.62	± 9.6 %
10114	CAD	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	± 9.6 %
10115	CAD	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.46	± 9.6 %
10116	CAD	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.15	± 9.6 %
10117	CAD	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN	8.07	± 9.6 %
10118	CAD	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	WLAN	8.59	± 9.6 %
10119	CAD	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	WLAN	8.13	± 9.6 %
10140	CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-FDD	6.49	± 9.6 %
10141	CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-FDD	6.53	± 9.6 %
10142	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10143	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	6.35	± 9.6 %
10144	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	6.65	± 9.6 %
10145	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-FDD	5.76	± 9.6 %
10146	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.41	± 9.6 %
10147	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.72	± 9.6 %
10149	CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	± 9.6 %
10150	CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10151	CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-TDD	9.28	± 9.6 %
10152	CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-TDD	9.92	± 9.6 %
10153	CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-TDD	10.05	± 9.6 %
10154	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-FDD	5.75	± 9.6 %
10155	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	± 9.6 %
10156	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-FDD	5.79	± 9.6 %
10157	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FDD	6.49	± 9.6 %
10158	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-FDD	6.62	± 9.6 %
10159	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-FDD	6.56	± 9.6 %
10160	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD	5.82	± 9.6 %
10161	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	6.43	± 9.6 %
10162	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.58	± 9.6 %
10166	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD	5.46	± 9.6 %
10167	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.21	± 9.6 %
10168	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.79	± 9.6 %
10169	CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10170	CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10171	AAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-FDD	6.49	± 9.6 %
10172	CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10173	CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10174	CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10175	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
10176	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10177	CAI	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10178	CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10179	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10180	CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10181	CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %

10182	CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10183	AAD	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10184	CAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10185	CAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-FDD	6.51	± 9.6 %
10186	AAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10187	CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10188	CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10189	AAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10193	CAD	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN	8.09	± 9.6 %
10194	CAD	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.12	± 9.6 %
10195	CAD	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	8.21	± 9.6 %
10196	CAD	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.10	± 9.6 %
10197	CAD	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.13	± 9.6 %
10198	CAD	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8.27	± 9.6 %
10219	CAD	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.03	± 9.6 %
10220	CAD	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8.13	± 9.6 %
10221	CAD	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN	8.27	± 9.6 %
10222	CAD	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN	8.06	± 9.6 %
10223	CAD	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN	8.48	± 9.6 %
10224	CAD	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	WLAN	8.08	± 9.6 %
10225	CAB	UMTS-FDD (HSPA+)	WCDMA	5.97	± 9.6 %
10226	CAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.49	± 9.6 %
10227	CAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.26	± 9.6 %
10228	CAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD	9.22	± 9.6 %
10229	CAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10230	CAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10231	CAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TDD	9.19	± 9.6 %
10232	CAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10233	CAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10234	CAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10235	CAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10236	CAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10237	CAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10238	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10239	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10240	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10241	CAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.82	± 9.6 %
10242	CAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.86	± 9.6 %
10243	CAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-TDD	9.46	± 9.6 %
10244	CAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TDD	10.06	± 9.6 %
10245	CAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TDD	10.06	± 9.6 %
10246	CAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TDD	9.30	± 9.6 %
10247	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-TDD	9.91	± 9.6 %
10248	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-TDD	10.09	± 9.6 %
10249	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TDD	9.29	± 9.6 %
10250	CAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-TDD	9.81	± 9.6 %
10251	CAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-TDD	10.17	± 9.6 %
10252	CAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TDD	9.24	± 9.6 %
10253	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-TDD	9.90	± 9.6 %
10254	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-TDD	10.14	± 9.6 %
10255	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-TDD	9.20	± 9.6 %
10256	CAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.96	± 9.6 %
10257	CAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.08	± 9.6 %
10258	CAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TDD	9.34	± 9.6 %
10259	CAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-TDD	9.98	± 9.6 %
10260	CAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.97	± 9.6 %

10261	CAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TDD	9.24	± 9.6 %
10262	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-TDD	9.83	± 9.6 %
10263	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-TDD	10.16	± 9.6 %
10264	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TDD	9.23	± 9.6 %
10265	CAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	9.92	± 9.6 %
10266	CAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TDD	10.07	± 9.6 %
10267	CAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TDD	9.30	± 9.6 %
10268	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-TDD	10.06	± 9.6 %
10269	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-TDD	10.13	± 9.6 %
10270	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-TDD	9.58	± 9.6 %
10274	CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	WCDMA	4.87	± 9.6 %
10275	CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	WCDMA	3.96	± 9.6 %
10277	CAA	PHS (QPSK)	PHS	11.81	± 9.6 %
10278	CAA	PHS (QPSK, BW 884MHz, Rolloff 0.5)	PHS	11.81	± 9.6 %
10279	CAA	PHS (QPSK, BW 884MHz, Rolloff 0.38)	PHS	12.18	± 9.6 %
10290	AAB	CDMA2000, RC1, SO55, Full Rate	CDMA2000	3.91	± 9.6 %
10291	AAB	CDMA2000, RC3, SO55, Full Rate	CDMA2000	3.46	± 9.6 %
10292	AAB	CDMA2000, RC3, SO32, Full Rate	CDMA2000	3.39	± 9.6 %
10293	AAB	CDMA2000, RC3, SO3, Full Rate	CDMA2000	3.50	± 9.6 %
10295	AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	CDMA2000	12.49	± 9.6 %
10297	AAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	5.81	± 9.6 %
10298	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
10299	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-FDD	6.39	± 9.6 %
10300	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10301	AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	WiMAX	12.03	± 9.6 %
10302	AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3CTRL)	WiMAX	12.57	± 9.6 %
10303	AAA	IEEE 802.16e WiMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	WiMAX	12.52	± 9.6 %
10304	AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	WiMAX	11.86	± 9.6 %
10305	AAA	IEEE 802.16e WiMAX (31:15, 10ms, 10MHz, 64QAM, PUSC)	WiMAX	15.24	± 9.6 %
10306	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 64QAM, PUSC)	WiMAX	14.67	± 9.6 %
10307	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC)	WiMAX	14.49	± 9.6 %
10308	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	WiMAX	14.46	± 9.6 %
10309	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3)	WiMAX	14.58	± 9.6 %
10310	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3)	WiMAX	14.57	± 9.6 %
10311	AAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-FDD	6.06	± 9.6 %
10313	AAA	iDEN 1:3	iDEN	10.51	± 9.6 %
10314	AAA	iDEN 1:6	iDEN	13.48	± 9.6 %
10315	AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc dc)	WLAN	1.71	± 9.6 %
10316	AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc dc)	WLAN	8.36	± 9.6 %
10317	AAD	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc dc)	WLAN	8.36	± 9.6 %
10352	AAA	Pulse Waveform (200Hz, 10%)	Generic	10.00	± 9.6 %
10353	AAA	Pulse Waveform (200Hz, 20%)	Generic	6.99	± 9.6 %
10354	AAA	Pulse Waveform (200Hz, 40%)	Generic	3.98	± 9.6 %
10355	AAA	Pulse Waveform (200Hz, 60%)	Generic	2.22	± 9.6 %
10356	AAA	Pulse Waveform (200Hz, 80%)	Generic	0.97	± 9.6 %
10387	AAA	QPSK Waveform, 1 MHz	Generic	5.10	± 9.6 %
10388	AAA	QPSK Waveform, 10 MHz	Generic	5.22	± 9.6 %
10396	AAA	64-QAM Waveform, 100 kHz	Generic	6.27	± 9.6 %
10399	AAA	64-QAM Waveform, 40 MHz	Generic	6.27	± 9.6 %
10400	AAE	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc dc)	WLAN	8.37	± 9.6 %
10401	AAE	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc dc)	WLAN	8.60	± 9.6 %
10402	AAE	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc dc)	WLAN	8.53	± 9.6 %
10403	AAB	CDMA2000 (1xEV-DO, Rev. 0)	CDMA2000	3.76	± 9.6 %
10404	AAB	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.77	± 9.6 %
10406	AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	CDMA2000	5.22	± 9.6 %
10410	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %

10414	AAA	WLAN CCDF, 64-QAM, 40MHz	Generic	8.54	± 9.6 %
10415	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc dc)	WLAN	1.54	± 9.6 %
10416	AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc dc)	WLAN	8.23	± 9.6 %
10417	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc dc)	WLAN	8.23	± 9.6 %
10418	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Long)	WLAN	8.14	± 9.6 %
10419	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Short)	WLAN	8.19	± 9.6 %
10422	AAC	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.32	± 9.6 %
10423	AAC	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN	8.47	± 9.6 %
10424	AAC	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.40	± 9.6 %
10425	AAC	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	8.41	± 9.6 %
10426	AAC	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN	8.45	± 9.6 %
10427	AAC	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN	8.41	± 9.6 %
10430	AAD	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	LTE-FDD	8.28	± 9.6 %
10431	AAD	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDD	8.38	± 9.6 %
10432	AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	LTE-FDD	8.34	± 9.6 %
10433	AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	LTE-FDD	8.34	± 9.6 %
10434	AAA	W-CDMA (BS Test Model 1, 64 DPCH)	WCDMA	8.60	± 9.6 %
10435	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10447	AAD	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	± 9.6 %
10448	AAD	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.53	± 9.6 %
10449	AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.51	± 9.6 %
10450	AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.48	± 9.6 %
10451	AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WCDMA	7.59	± 9.6 %
10453	AAD	Validation (Square, 10ms, 1ms)	Test	10.00	± 9.6 %
10456	AAC	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc dc)	WLAN	8.63	± 9.6 %
10457	AAA	UMTS-FDD (DC-HSDPA)	WCDMA	6.62	± 9.6 %
10458	AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	6.55	± 9.6 %
10459	AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	CDMA2000	8.25	± 9.6 %
10460	AAA	UMTS-FDD (WCDMA, AMR)	WCDMA	2.39	± 9.6 %
10461	AAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10462	AAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.30	± 9.6 %
10463	AAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.56	± 9.6 %
10464	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10465	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10466	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6 %
10467	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10468	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10469	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.56	± 9.6 %
10470	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10471	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10472	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6 %
10473	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10474	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10475	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6 %
10477	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10478	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6 %
10479	AAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10480	AAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.18	± 9.6 %
10481	AAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.45	± 9.6 %
10482	AAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.71	± 9.6 %
10483	AAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, Sub)	LTE-TDD	8.39	± 9.6 %
10484	AAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.47	± 9.6 %
10485	AAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.59	± 9.6 %
10486	AAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.38	± 9.6 %
10487	AAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.60	± 9.6 %
10488	AAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.70	± 9.6 %

10489	AAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	8.31	± 9.6 %
10490	AAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	± 9.6 %
10491	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10492	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.41	± 9.6 %
10493	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.55	± 9.6 %
10494	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10495	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.37	± 9.6 %
10496	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	± 9.6 %
10497	AAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.67	± 9.6 %
10498	AAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.40	± 9.6 %
10499	AAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.68	± 9.6 %
10500	AAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.67	± 9.6 %
10501	AAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Sub)	LTE-TDD	8.44	± 9.6 %
10502	AAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.52	± 9.6 %
10503	AAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.72	± 9.6 %
10504	AAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.31	± 9.6 %
10505	AAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	± 9.6 %
10506	AAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10507	AAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	8.36	± 9.6 %
10508	AAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.55	± 9.6 %
10509	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.99	± 9.6 %
10510	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.49	± 9.6 %
10511	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.51	± 9.6 %
10512	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10513	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.42	± 9.6 %
10514	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.45	± 9.6 %
10515	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc dc)	WLAN	1.58	± 9.6 %
10516	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc dc)	WLAN	1.57	± 9.6 %
10517	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc dc)	WLAN	1.58	± 9.6 %
10518	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc dc)	WLAN	8.23	± 9.6 %
10519	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc dc)	WLAN	8.39	± 9.6 %
10520	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc dc)	WLAN	8.12	± 9.6 %
10521	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc dc)	WLAN	7.97	± 9.6 %
10522	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc dc)	WLAN	8.45	± 9.6 %
10523	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc dc)	WLAN	8.08	± 9.6 %
10524	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc dc)	WLAN	8.27	± 9.6 %
10525	AAC	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc dc)	WLAN	8.36	± 9.6 %
10526	AAC	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc dc)	WLAN	8.42	± 9.6 %
10527	AAC	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc dc)	WLAN	8.21	± 9.6 %
10528	AAC	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc dc)	WLAN	8.36	± 9.6 %
10529	AAC	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc dc)	WLAN	8.36	± 9.6 %
10531	AAC	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc dc)	WLAN	8.43	± 9.6 %
10532	AAC	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc dc)	WLAN	8.29	± 9.6 %
10533	AAC	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc dc)	WLAN	8.38	± 9.6 %
10534	AAC	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc dc)	WLAN	8.45	± 9.6 %
10535	AAC	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc dc)	WLAN	8.45	± 9.6 %
10536	AAC	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc dc)	WLAN	8.32	± 9.6 %
10537	AAC	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc dc)	WLAN	8.44	± 9.6 %
10538	AAC	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc dc)	WLAN	8.54	± 9.6 %
10540	AAC	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc dc)	WLAN	8.39	± 9.6 %
10541	AAC	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc dc)	WLAN	8.46	± 9.6 %
10542	AAC	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc dc)	WLAN	8.65	± 9.6 %
10543	AAC	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc dc)	WLAN	8.65	± 9.6 %
10544	AAC	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc dc)	WLAN	8.47	± 9.6 %
10545	AAC	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc dc)	WLAN	8.55	± 9.6 %
10546	AAC	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc dc)	WLAN	8.35	± 9.6 %

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

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

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



Appendix E. Conducted RF Output Power Table

The detailed power table are shown as follows.

Full Power level/Default Power level for WWAN

GSM850 Ant1 Default power									
GSM850		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	180	251		128	180	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot		32.60	32.76	32.75	33.50	23.60	23.76	23.75	24.50
GPRS 1 Tx slot		32.69	32.78	32.69	33.50	23.69	23.78	23.69	24.50
GPRS 2 Tx slots		30.09	30.29	30.29	31.00	24.09	24.29	24.29	25.00
GPRS 3 Tx slots		29.10	29.22	29.03	29.50	24.84	24.96	24.77	25.24
GPRS 4 Tx slots		27.05	27.14	27.03	28.00	24.05	24.14	24.03	25.00
EDGE 1 Tx slot		27.03	27.18	27.01	28.50	18.03	18.18	18.01	19.50
EDGE 2 Tx slots		24.22	24.41	24.43	25.50	18.22	18.41	18.43	19.50
EDGE 3 Tx slots		22.15	22.36	22.27	24.00	17.89	18.10	18.01	19.74
EDGE 4 Tx slots		21.08	21.15	20.94	22.50	18.08	18.15	17.94	19.50

		GSM1900 Ant1 Default power						
GSM1900		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)		
TX Channel		512	561	810		512	561	810
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8
GSM 1 Tx slot		29.81	29.87	29.76	30.50	20.81	20.87	20.76
GPRS 1 Tx slot		29.83	29.89	29.84	30.50	20.83	20.89	20.84
GPRS 2 Tx slots		26.24	26.28	26.15	27.50	20.24	20.28	20.15
GPRS 3 Tx slots		24.16	24.33	24.21	26.00	19.80	20.07	19.95
GPRS 4 Tx slots		23.07	23.25	23.26	24.50	20.07	20.25	20.26
EDGE 1 Tx slot		26.34	26.48	26.47	27.50	17.34	17.48	17.47
EDGE 2 Tx slots		23.21	23.20	23.05	24.50	17.21	17.20	17.05
EDGE 3 Tx slots		22.18	22.18	22.10	23.00	17.92	17.92	17.84
EDGE 4 Tx slots		20.86	21.02	20.89	21.50	17.86	18.02	17.89

		WCDMA II Ant1 Default power				WCDMA IV Ant1 Default power				WCDMA V Ant1 Default power			
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938	1537	1638	1738	1938	4367	4407	4458		
Frequency (MHz)		1852.4	1880	1907.6	1712.4	1732.6	1752.6	1824.4	1844.4	1864.4	1884.4		
3GPP Rel 99	AMR 12.2Kbps	23.56	23.63	23.59	25.00	23.44	23.49	23.47	25.00	23.91	23.96	23.88	25.50
3GPP Rel 99	RMC 12.2Kbps	23.57	23.64	23.61	25.00	23.51	23.54	23.53	25.00	23.93	23.98	23.89	25.50
3GPP Rel 6	HSDPA Subtest-1	22.37	22.53	22.65	24.00	22.69	22.63	22.80	24.00	22.84	22.95	22.99	24.50
3GPP Rel 6	HSDPA Subtest-2	22.64	22.44	22.39	24.00	22.77	22.78	22.48	24.00	22.78	23.02	23.08	24.50
3GPP Rel 6	HSDPA Subtest-3	22.07	22.24	22.04	23.50	22.11	22.06	22.18	23.50	22.52	22.30	22.35	24.00
3GPP Rel 6	HSDPA Subtest-4	22.02	22.13	21.87	23.50	22.24	22.13	22.16	23.50	22.14	22.29	22.40	24.00
3GPP Rel 8	DC-HSDPA Subtest-1	22.71	22.58	22.60	24.00	22.76	22.55	22.73	24.00	23.10	22.92	23.11	24.50
3GPP Rel 8	DC-HSDPA Subtest-2	22.41	22.70	22.42	24.00	22.70	22.65	22.72	24.00	23.07	23.09	23.13	24.50
3GPP Rel 8	DC-HSDPA Subtest-3	22.29	22.27	22.18	23.50	22.27	22.15	22.07	23.50	22.58	22.36	22.16	24.00
3GPP Rel 8	DC-HSDPA Subtest-4	21.91	22.26	22.04	23.50	22.39	22.18	21.98	23.50	22.25	22.27	22.31	24.00
3GPP Rel 6	HSUPA Subtest-1	22.48	22.63	22.68	24.00	22.59	22.74	22.70	24.00	22.99	23.02	23.15	24.50
3GPP Rel 6	HSUPA Subtest-2	20.74	20.59	20.54	22.00	20.73	20.62	20.57	22.00	20.95	20.98	21.00	22.50
3GPP Rel 6	HSUPA Subtest-3	21.55	21.92	21.46	23.00	21.85	21.50	21.64	23.00	22.01	21.95	21.81	23.50
3GPP Rel 6	HSUPA Subtest-4	20.41	20.57	20.24	22.00	20.78	20.81	20.78	22.00	20.72	20.85	20.89	22.50
3GPP Rel 6	HSUPA Subtest-5	22.52	22.78	22.74	24.00	22.63	22.70	22.56	24.00	22.78	22.95	23.12	24.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.86	19.98	20.00	21.50	20.03	20.07	20.17	21.50	20.29	20.33	20.24	22.00

WCDMA V Ant1 Default power				
WCDMA V				Tune-up Limit (dBm)
4132	4182	4233		
4357	4407	4458		
826.4	836.4	846.6		
23.91	23.96	23.88	25.00	
23.93	23.98	23.89	25.00	
22.84	22.95	22.99	24.50	
22.78	23.02	23.08	24.50	
22.52	22.30	22.35	24.00	
22.14	22.39	22.40	24.00	
23.10	22.92	23.11	24.50	
23.07	23.09	23.13	24.50	
22.58	22.36	22.16	24.00	
22.25	22.57	22.31	24.00	
22.99	22.91	23.15	24.50	
20.95	20.98	21.06	22.50	
22.01	21.95	21.61	23.50	
20.72	20.85	20.89	22.50	
22.78	22.95	23.12	24.50	
20.29	20.33	20.24	22.00	



Band 2 Ant1 Default power												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)				1860	1880	1900						
20	QPSK	1	0	23.69	23.73	23.60	25	0				
20	QPSK	1	49	23.63	23.56	23.63						
20	QPSK	1	99	23.61	23.54	23.56						
20	QPSK	50	0	22.55	22.67	22.53						
20	QPSK	50	24	22.39	22.45	22.47						
20	QPSK	50	50	22.53	22.49	22.58	24	1				
20	QPSK	100	0	22.29	22.53	22.50						
20	16QAM	1	0	22.43	22.40	22.30						
20	16QAM	1	49	22.35	22.39	22.37						
20	16QAM	1	99	22.24	22.22	22.28						
20	16QAM	50	0	21.47	21.57	21.53	24	1				
20	16QAM	50	24	21.51	21.56	21.58						
20	16QAM	50	50	21.42	21.33	21.41						
20	16QAM	100	0	21.56	21.38	21.39						
20	64QAM	1	0	21.41	21.44	21.35						
20	64QAM	1	49	21.55	21.43	21.47	23	2				
20	64QAM	1	99	21.48	21.49	21.50						
20	64QAM	50	0	20.51	20.48	20.65						
20	64QAM	50	24	20.56	20.63	20.53						
20	64QAM	50	50	20.41	20.53	20.55						
20	64QAM	100	0	20.53	20.57	20.50	22	3				
Channel												
Frequency (MHz)				1867.5	18900	19125						
15	QPSK	1	0	23.62	23.60	23.45	25	0				
15	QPSK	1	37	23.57	23.52	23.49						
15	QPSK	1	74	23.36	23.40	23.44						
15	QPSK	36	0	22.50	22.64	22.47						
15	QPSK	36	20	22.30	22.32	22.44						
15	QPSK	36	39	22.46	22.43	22.53	24	1				
15	QPSK	75	0	22.16	22.45	22.36						
15	16QAM	1	0	22.31	22.33	22.20						
15	16QAM	1	37	22.27	22.25	22.28						
15	16QAM	1	74	22.12	22.19	22.22						
15	16QAM	36	0	21.38	21.49	21.46	23	2				
15	16QAM	36	20	21.39	21.52	21.48						
15	16QAM	36	39	21.31	21.27	21.37						
15	16QAM	75	0	21.53	21.31	21.24						
15	64QAM	1	0	21.29	21.34	21.28						
15	64QAM	1	37	21.41	21.37	21.40	23	2				
15	64QAM	1	74	21.44	21.45	21.42						
15	64QAM	36	0	20.43	20.40	20.53						
15	64QAM	36	20	20.53	20.60	20.49						
15	64QAM	36	39	20.34	20.46	20.50						
15	64QAM	75	0	20.50	20.49	20.38	22	3				
Channel												
Frequency (MHz)				18650	18900	19150						
10	QPSK	1	0	23.58	23.62	23.51	25	0				
10	QPSK	1	25	23.54	23.44	23.53						
10	QPSK	1	49	23.41	23.39	23.52						
10	QPSK	25	0	22.51	22.58	22.40						
10	QPSK	25	12	22.29	22.32	22.38						
10	QPSK	25	25	22.39	22.45	22.48	24	1				
10	QPSK	50	0	22.22	22.42	22.43						
10	16QAM	1	0	22.33	22.37	22.21						
10	16QAM	1	25	22.29	22.33	22.34						
10	16QAM	1	49	22.14	22.09	22.23						
10	16QAM	25	0	21.36	21.45	21.42	23	2				
10	16QAM	25	12	21.46	21.49	21.54						
10	16QAM	25	25	21.33	21.26	21.29						
10	16QAM	50	0	21.45	21.31	21.35						
10	64QAM	1	0	21.29	21.36	21.23						
10	64QAM	1	25	21.40	21.37	21.40	23	2				
10	64QAM	1	49	21.44	21.46	21.41						
10	64QAM	25	0	20.37	20.44	20.61						
10	64QAM	25	12	20.45	20.56	20.50						
10	64QAM	25	25	20.32	20.41	20.45						
10	64QAM	50	0	20.48	20.45	20.44	22	3				
Channel												
Frequency (MHz)				18625	18900	19175						
5	QPSK	1	0	23.64	23.64	23.47	25	0				
5	QPSK	1	12	23.50	23.53	23.55						
5	QPSK	1	24	23.41	23.44	23.46						
5	QPSK	12	0	22.45	22.60	22.47						
5	QPSK	12	7	22.31	22.35	22.35						
5	QPSK	12	13	22.48	22.41	22.54	24	1				
5	QPSK	25	0	22.24	22.48	22.36						
5	16QAM	1	0	22.32	22.33	22.21						
5	16QAM	1	12	22.23	22.32	22.29						
5	16QAM	1	24	22.17	22.14	22.18						
5	16QAM	12	0	21.36	21.43	21.38	23	2				
5	16QAM	12	7	21.38	21.53	21.50						
5	16QAM	12	13	21.36	21.27	21.31						
5	16QAM	25	0	21.52	21.28	21.30						
5	64QAM	1	0	21.26	21.34	21.31						
5	64QAM	1	12	21.45	21.34	21.37	23	2				
5	64QAM	1	24	21.34	21.42	21.44						
5	64QAM	12	0	20.40	20.35	20.50						
5	64QAM	12	7	20.45	20.50	20.42						
5	64QAM	12	13	20.28	20.41	20.46						
5	64QAM	25	0	20.40	20.53	20.46	22	3				
Channel												
Frequency (MHz)				18615	18900	19185						
3	QPSK	1	0	23.65	23.62	23.47	25	0				
3	QPSK	1	8	23.51	23.45	23.58						
3	QPSK	1	14	23.44	23.42	23.42						
3	QPSK	8	0	22.45	22.58	22.44						
3	QPSK	8	4	22.36	22.41	22.33						
3	QPSK	8	7	22.45	22.36	22.44	24	1				
3	QPSK	15	0	22.24	22.46	22.37						
3	16QAM	1	0	22.35	22.31	22.16						
3	16QAM	1	8	22.32	22.27	22.30						
3	16QAM	1	14	22.17	22.08	22.20						
3	16QAM	8	0	21.43	21.43	21.47	23	2				
3	16QAM	8	4	21.47	21.49	21.54						
3	16QAM	8	7	21.28	21.29	21.37						
3	16QAM	15	0	21.45	21.30	21.24						
3	64QAM	1	0	21.32	21.39	21.22						
3	64QAM	1	8	21.47	21.29	21.41	23	2				
3	64QAM	1	14	21.39	21.37	21.46						
3	64QAM	8	0	20.38	20.41	20.53						
3	64QAM	8	4	20.43	20.49	20.39						
3	64QAM	8	7	20.30	20.49	20.50						
3	64QAM	15	0	20.39	20.46	20.46	22	3				
Channel												
Frequency (MHz)				18607	18900	19193						
1.4	QPSK	1	0	23.65	23.59	23.55	25	0				
1.4	QPSK	1	3	23.52	23.46	23.51						
1.4	QPSK	1	5	23.43	23.39	23.43						
1.4	QPSK	3	0	23.48	23.64	23.44						
1.4	QPSK	3	1	23.27	23.33	23.36						
1.4	QPSK	3	3	23.44	23.43	23.51	24	1				
1.4	QPSK	6	0	22.17	22.47	22.44						
1.4	16QAM	1	0	22.32	22.27	22.17						
1.4	16QAM	1	3	22.21	22.36	22.26						
1.4	16QAM	1	5	22.12	22.11	22.18						
1.4	16QAM	3	0	22.40	22.51	22.42	24	1				
1.4	16QAM	3	1	22.45	22.44	22.50						
1.4	16QAM	3	3	22.33	22.22	22.29						
1.4	16QAM	6	0	21.42	21.35	21.32	23	2				
1.4	16QAM	1	0	21.30	21.39	21.26						
1.4	64QAM	1	3	21.44	21.32	21.34						
1.4	64QAM	1	3	21.36	21.36	21.45						
1.4	64QAM	3	0	21.36	21.39	21.53						
1.4	64QAM	3	1	21.49	21.49	21.49	23	2				
1.4	64QAM	3	3	21.29	21.43	21.52						
1.4	64QAM	6	0	20.50	20.53	20.43						
1.4	64QAM	6	0	20.50	20.53	20.43						
1.4	64QAM	6	0	20.50	20.53	20.43						

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

Band 7 Ant1 Default power										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20850	21100	21350				
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	24.04	24.09	24.01	25.5	0		
20	QPSK	1	49	24.03	23.99	24.05				
20	QPSK	1	99	23.88	23.93	23.85				
20	QPSK	50	0	22.97	23.07	22.95	24.5	1		
20	QPSK	50	24	22.79	22.75	22.85				
20	QPSK	50	50	22.91	22.91	22.88				
20	QPSK	100	0	22.67	22.90	22.82	24.5	1		
20	16QAM	1	0	22.89	22.68	22.70				
20	16QAM	1	49	22.67	22.75	22.83				
20	16QAM	1	99	22.53	22.87	22.86	23.5	2		
20	16QAM	50	0	21.83	22.04	22.05				
20	16QAM	50	24	21.96	21.89	22.03				
20	16QAM	50	50	21.86	21.65	21.79	23.5	2		
20	16QAM	100	0	21.92	21.55	21.59				
20	64QAM	1	0	21.79	21.86	21.82				
20	64QAM	1	49	21.86	21.73	21.93	23.5	2		
20	64QAM	1	99	21.84	21.86	21.84				
20	64QAM	50	0	20.90	20.91	21.14				
20	64QAM	50	24	20.91	21.01	20.90	22.5	3		
20	64QAM	50	50	20.87	20.65	21.14				
20	64QAM	100	0	20.88	20.88	20.86				
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2507.5	2535	2562.5				
15	QPSK	1	0	23.87	23.98	23.82	25.5	0		
15	QPSK	1	37	23.87	23.81	23.86				
15	QPSK	1	74	23.71	23.77	23.69				
15	QPSK	36	0	22.82	22.91	22.82	24.5	1		
15	QPSK	36	20	22.62	22.80	22.68				
15	QPSK	36	39	22.80	22.79	22.72				
15	QPSK	75	0	22.51	22.72	22.72	24.5	1		
15	16QAM	1	0	22.70	22.87	22.52				
15	16QAM	1	37	22.53	22.61	22.73				
15	16QAM	1	74	22.92	22.58	22.96	23.5	2		
15	16QAM	36	0	21.88	21.91	21.85				
15	16QAM	36	20	21.76	21.76	21.82				
15	16QAM	36	39	21.75	21.54	21.60	23.5	2		
15	16QAM	75	0	21.72	21.94	21.99				
15	64QAM	1	0	21.68	21.66	21.67				
15	64QAM	1	37	21.74	21.54	21.79	23.5	2		
15	64QAM	1	74	21.65	21.76	21.73				
15	64QAM	36	0	20.72	20.80	20.98				
15	64QAM	36	20	20.70	20.82	20.78	22.5	3		
15	64QAM	36	39	20.70	20.69	20.66				
15	64QAM	75	0	20.75	20.70	20.65				
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2505	2535	2565				
10	QPSK	1	0	23.85	23.99	23.88	25.5	0		
10	QPSK	1	25	23.83	23.84	23.85				
10	QPSK	1	49	23.74	23.77	23.64				
10	QPSK	25	0	22.85	22.92	22.78	24.5	1		
10	QPSK	25	12	22.66	22.66	22.66				
10	QPSK	25	25	22.73	22.74	22.67				
10	QPSK	50	0	22.99	23.04	22.74	24.5	1		
10	QPSK	50	1	0	22.72	22.72				22.58
10	16QAM	1	25	22.55	22.57	22.72				
10	16QAM	1	49	22.99	22.56	22.86	23.5	2		
10	16QAM	25	0	21.66	21.83	21.93				
10	16QAM	25	12	21.78	21.80	21.85				
10	16QAM	25	25	21.68	21.54	21.59	23.5	2		
10	16QAM	50	0	21.76	21.86	21.69				
10	16QAM	1	0	21.60	21.74	21.60				
10	64QAM	1	25	21.67	21.64	21.82	22.5	3		
10	64QAM	1	49	21.69	21.69	21.72				
10	64QAM	25	0	20.73	20.71	21.01				
10	64QAM	25	12	20.81	20.86	20.71	22.5	3		
10	64QAM	25	25	20.71	20.56	20.94				
10	64QAM	50	0	20.79	20.79	20.68				
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2507.5	2535	2562.5				
5	QPSK	1	0	23.86	23.91	23.84	25.5	0		
5	QPSK	1	12	23.91	23.86	23.91				
5	QPSK	1	24	23.72	23.75	23.65				
5	QPSK	12	0	22.77	22.86	22.81	24.5	1		
5	QPSK	12	7	22.65	22.65	22.62				
5	QPSK	12	13	22.71	22.76	22.74				
5	QPSK	25	0	22.57	22.76	22.72	24.5	1		
5	16QAM	1	0	22.70	22.57	22.53				
5	16QAM	1	24	22.50	22.58	22.60				
5	16QAM	1	24	22.88	22.56	22.87	23.5	2		
5	16QAM	12	0	21.72	21.86	21.92				
5	16QAM	12	7	21.81	21.79	21.92				
5	16QAM	12	13	21.69	21.51	21.62	23.5	2		
5	16QAM	25	0	21.72	21.91	21.86				
5	64QAM	1	0	21.59	21.91	21.65				
5	64QAM	1	12	21.72	21.55	21.75	23.5	2		
5	64QAM	1	24	21.76	21.68	21.70				
5	64QAM	12	0	20.80	20.73	20.84				
5	64QAM	12	7	20.72	20.91	20.76	22.5	3		
5	64QAM	12	13	20.75	20.67	20.95				
5	64QAM	25	0	20.70	20.74	20.76				

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

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

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

Band 38 Ant2 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	24.5	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	23.32	23.40	23.35			
20	QPSK	1	49	23.21	23.14	23.25	23.5	1	
20	QPSK	1	99	23.13	23.34	23.32			
20	QPSK	50	0	22.36	22.58	22.38			
20	QPSK	50	24	22.27	22.39	22.39	23.5	1	
20	QPSK	50	50	22.17	22.25	22.36			
20	QPSK	100	0	22.27	22.46	22.31			
20	16QAM	1	0	22.27	22.18	22.33	23.5	1	
20	16QAM	1	49	22.24	22.13	22.35			
20	16QAM	1	99	22.15	22.21	22.05			
20	16QAM	50	0	21.32	21.27	21.15	22.5	2	
20	16QAM	50	24	21.13	21.33	21.11			
20	16QAM	50	50	20.12	21.08	21.15			
20	16QAM	100	0	21.23	21.07	21.10	22.5	2	
20	64QAM	1	0	21.27	21.11	21.21			
20	64QAM	1	49	21.00	21.24	21.01			
20	64QAM	1	99	21.02	20.93	21.16	21.5	3	
20	64QAM	50	0	20.29	20.54	20.43			
20	64QAM	50	24	20.48	20.32	20.42			
20	64QAM	50	50	20.34	20.30	20.26	21.5	3	
20	64QAM	100	0	20.05	20.09	19.96			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5	24.5	0	
15	QPSK	1	0	23.18	23.36	23.26			
15	QPSK	1	37	23.10	23.01	23.20	23.5	1	
15	QPSK	1	74	23.05	23.22	23.18			
15	QPSK	36	0	22.22	22.49	22.33			
15	QPSK	36	20	22.21	22.26	22.29	23.5	1	
15	QPSK	36	39	22.03	22.20	22.21			
15	QPSK	75	0	22.12	22.37	22.27			
15	16QAM	1	0	22.15	22.13	22.26	23.5	1	
15	16QAM	1	37	22.11	22.00	22.24			
15	16QAM	1	74	22.10	22.07	21.93			
15	16QAM	36	0	21.27	21.19	21.06	22.5	2	
15	16QAM	36	20	20.98	21.25	21.01			
15	16QAM	36	39	21.04	21.02	21.04			
15	16QAM	75	0	21.16	20.92	21.04	22.5	2	
15	64QAM	1	0	21.21	21.01	21.12			
15	64QAM	1	37	20.92	21.13	20.92			
15	64QAM	1	74	20.93	20.88	21.01	21.5	3	
15	64QAM	36	0	20.21	20.40	20.28			
15	64QAM	36	20	20.38	20.28	20.31			
15	64QAM	36	39	20.21	20.20	20.10	21.5	3	
15	64QAM	75	0	19.91	19.99	19.83			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615	24.5	0	
10	QPSK	1	0	23.22	23.28	23.29			
10	QPSK	1	25	23.17	23.06	23.17	23.5	1	
10	QPSK	1	49	23.05	23.19	23.27			
10	QPSK	25	0	22.29	22.51	22.26			
10	QPSK	25	12	22.15	22.23	22.30	23.5	1	
10	QPSK	25	25	22.11	22.09	22.24			
10	QPSK	50	0	22.18	22.36	22.19			
10	16QAM	1	0	22.15	22.11	22.18	23.5	1	
10	16QAM	1	25	22.10	22.06	22.31			
10	16QAM	1	49	22.08	22.10	21.90			
10	16QAM	25	0	21.24	21.20	21.03	22.5	2	
10	16QAM	25	12	21.06	21.20	20.96			
10	16QAM	25	25	21.01	20.94	21.03			
10	16QAM	50	0	21.17	20.95	20.94	22.5	2	
10	64QAM	1	0	21.22	21.05	21.14			
10	64QAM	1	25	20.88	21.16	20.91			
10	64QAM	1	49	20.91	20.82	21.09	21.5	3	
10	64QAM	25	0	20.18	20.50	20.34			
10	64QAM	25	12	20.42	20.17	20.32			
10	64QAM	25	25	20.25	20.24	20.10	21.5	3	
10	64QAM	50	0	19.99	19.99	19.83			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5	24.5	0	
5	QPSK	1	0	23.24	23.31	23.22			
5	QPSK	1	12	23.16	23.08	23.14	23.5	1	
5	QPSK	1	24	23.01	23.24	23.26			
5	QPSK	12	0	22.22	22.42	22.25			
5	QPSK	12	7	22.22	22.24	22.28	23.5	1	
5	QPSK	12	13	22.03	22.17	22.27			
5	QPSK	25	0	22.13	22.33	22.22			
5	16QAM	1	0	22.17	22.04	22.19	23.5	1	
5	16QAM	1	12	22.09	22.09	22.27			
5	16QAM	1	24	22.10	22.07	22.01			
5	16QAM	12	0	21.25	21.19	21.07	22.5	2	
5	16QAM	12	7	21.03	21.29	20.98			
5	16QAM	12	13	21.01	20.98	21.00			
5	16QAM	25	0	21.17	20.97	21.02	22.5	2	
5	64QAM	1	0	21.19	21.05	21.12			
5	64QAM	1	12	20.87	21.16	20.95			
5	64QAM	1	24	20.98	20.80	21.09	21.5	3	
5	64QAM	12	0	20.24	20.47	20.32			
5	64QAM	12	7	20.36	20.16	20.38			
5	64QAM	12	13	20.30	20.15	20.17	21.5	3	
5	64QAM	25	0	19.99	20.00	19.86			

Band 41 Ant2 Default power										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	25	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.86	23.85	23.96	23.69	23.89		
20	QPSK	1	49	23.68	23.67	23.75	23.71	23.74	24	1
20	QPSK	1	99	23.73	23.64	23.66	23.81	23.67		
20	QPSK	50	0	22.87	22.88	22.93	22.81	22.86		
20	QPSK	50	24	22.78	22.76	22.86	22.80	22.92	24	1
20	QPSK	50	50	22.77	22.76	22.85	22.66	22.78		
20	QPSK	100	0	22.79	22.84	22.91	22.78	22.81		
20	16QAM	1	0	23.03	22.97	23.09	22.96	22.96	24	1
20	16QAM	1	49	22.84	22.94	23.06	22.84	22.85		
20	16QAM	1	99	22.76	22.74	22.76	22.79	22.75		
20	16QAM	50	0	21.87	21.84	22.00	21.93	21.85	23	2
20	16QAM	50	24	21.86	21.75	21.81	21.78	21.78		
20	16QAM	50	50	21.77	21.72	21.85	21.71	21.81		
20	16QAM	100	0	21.81	21.81	21.83	21.81	21.78	23	2
20	64QAM	1	0	21.70	21.73	21.78	21.78	21.62		
20	64QAM	1	49	21.74	21.69	21.79	21.74	21.73		
20	64QAM	1	99	21.70	21.73	21.74	21.64	21.66	22	3
20	64QAM	50	0	20.83	20.78	20.99	20.78	20.76		
20	64QAM	50	24	20.70	20.71	20.77	20.68	20.71		
20	64QAM	50	50	20.75	20.78	20.81	20.66	20.76	20.82	3
20	64QAM	100	0	20.80	20.77	20.81	20.73	20.82		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	25.00	0
15	QPSK	1	0	23.71	23.71	23.88	23.62	23.77		
15	QPSK	1	37	23.59	23.61	23.69	23.59	23.61		
15	QPSK	1	74	23.64	23.54	23.62	23.73	23.59	24	1
15	QPSK	36	0	22.78	22.78	22.79	22.71	22.71		
15	QPSK	36	20	22.72	22.71	22.78	22.68	22.72		
15	QPSK	36	39	22.62	22.63	22.81	22.50	22.69	24	1
15	QPSK	75	0	22.74	22.78	22.80	22.63	22.73		
15	16QAM	1	0	22.98	22.88	22.96	22.82	22.84		
15	16QAM	1	37	22.80	22.82	23.01	22.71	22.76	24	1
15	16QAM	1	74	22.66	22.68	22.69	22.66	22.66		
15	16QAM	36	0	21.73	21.74	21.92	21.83	21.75		
15	16QAM	36	20	21.78	21.65	21.65	21.73	21.70	23	2
15	16QAM	36	39	21.66	21.63	21.81	21.57	21.73		
15	16QAM	75	0	21.74	21.72	21.77	21.66	21.66		
15	64QAM	1	0	21.64	21.62	21.69	21.63	21.50	23	2
15	64QAM	1	37	21.63	21.53	21.65	21.68	21.61		
15	64QAM	1	74	21.57	21.69	21.63	21.58	21.59		
15	64QAM	36	0	20.75	20.73	20.90	20.65	20.61	22	3
15	64QAM	36	20	20.85	20.57	20.66	20.55	20.61		
15	64QAM	36	39	20.62	20.74	20.74	20.62	20.63		
15	64QAM	75	0	20.65	20.69	20.67	20.65	20.77		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685	25.00	0
10	QPSK	1	0	23.74	23.79	23.92	23.54	23.80		
10	QPSK	1	25	23.61	23.55	23.67	23.56	23.64		
10	QPSK	1	49	23.61	23.53	23.60	23.75	23.56	24	1
10	QPSK	25	0	22.76	22.73	22.83	22.75	22.75		
10	QPSK	25	12	22.68	22.70	22.78	22.73	22.78		
10	QPSK	25	25	22.65	22.62	22.71	22.52	22.67	24	1
10	QPSK	50	0	22.65	22.70	22.84	22.63	22.69		
10	16QAM	1	0	22.95	22.88	22.95	22.84	22.81		
10	16QAM	1	25	22.72	22.86	22.90	22.75	22.74	24	1
10	16QAM	1	49	22.72	22.68	22.68	22.67	22.65		
10	16QAM	25	0	21.74	21.71	21.86	21.88	21.80		
10	16QAM	25	12	21.80	21.67	21.69	21.72	21.70	23	2
10	16QAM	25	25	21.72	21.63	21.73	21.65	21.77		
10	16QAM	50	0	21.74	21.67	21.79	21.66	21.66		
10	64QAM	1	0	21.59	21.62	21.72	21.68	21.53	23	2
10	64QAM	1	25	21.63	21.54	21.63	21.70	21.58		
10	64QAM	1	49	21.57	21.62	21.66	21.56	21.56		
10	64QAM	25	0	20.68	20.64	20.86	20.64	20.68	22	3
10	64QAM	25	12	20.62	20.66	20.68	20.64	20.65		
10	64QAM	25	25	20.67	20.68	20.74	20.59	20.64		
10	64QAM	50	0	20.67	20.70	20.75	20.67	20.75		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	25.00	0
5	QPSK	1	0	23.57	23.71	23.81	23.57	23.76		
5	QPSK	1	12	23.37	23.55	23.70	23.67	23.62		
5	QPSK	1	24	23.42	23.60	23.52	23.65	23.53	24	1
5	QPSK	12	0	22.56	22.77	22.86	22.75	22.70		
5	QPSK	12	7	22.50	22.66	22.76	22.71	22.87		
5	QPSK	12	13	22.44	22.70	22.80	22.62	22.73	24	1
5	QPSK	25	0	22.51	22.71	22.86	22.70	22.72		
5	16QAM	1	0	22.78	22.86	22.94	22.82	22.87		
5	16QAM	1	12	22.58	22.84	22.95	22.74	22.77	24	1
5	16QAM	1	24	22.45	22.61	22.64	22.72	22.71		
5	16QAM	12	0	21.54	21.73	21.90	21.86	21.70		
5	16QAM	12	7	21.50	21.61	21.69	21.68	21.71	23	2
5	16QAM	12	13	21.44	21.65	21.77	21.66	21.68		
5	16QAM	25	0	21.57	21.72	21.75	21.72	21.71		
5	64QAM	1	0	21.38	21.68	21.74	21.70	21.56	23	2
5	64QAM	1	12	21.50	21.56	21.69	21.67	21.66		
5	64QAM	1	24	21.36	21.68	21.66	21.56	21.50		
5	64QAM	12	0	20.57	20.69	20.84	20.66	20.68	22	3
5	64QAM	12	7	20.43	20.63	20.67	20.54	20.64		
5	64QAM	12	13	20.44	20.71	20.74	20.53	20.70		
5	64QAM	25	0	20.51	20.63	20.76	20.66	20.71		

GSM850 Ant4 Default power

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)								
GSM 1 Tx slot	33.01	33.07	32.85	33.50	24.01	24.07	23.85	24.50
GPRS 1 Tx slot	33.11	33.12	33.09	33.50	24.11	24.12	24.09	24.50
GPRS 2 Tx slots	30.46	30.61	30.52	31.00	24.46	24.61	24.52	25.00
GPRS 3 Tx slots	29.23	29.26	29.19	29.50	24.97	25.00	24.93	25.24
GPRS 4 Tx slots	27.66	27.68	27.67	28.00	24.66	24.68	24.67	25.00
EDGE 1 Tx slot	27.79	27.82	27.73	28.50	18.79	18.82	18.73	19.50
EDGE 2 Tx slots	25.03	25.07	24.95	25.50	19.03	19.07	18.95	19.50
EDGE 3 Tx slots	23.11	23.04	22.85	24.00	18.85	18.78	18.59	18.74
EDGE 4 Tx slots	21.98	21.92	21.76	22.50	18.98	18.92	18.76	19.50

GSM1900 Ant4 Default power

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1559.2	1650	1699.6		1559.2	1650	1699.6	
Frequency (MHz)								
GSM 1 Tx slot	29.54	29.74	29.59	30.50	20.54	20.74	20.58	21.50
GPRS 1 Tx slot	29.62	29.79	29.59	30.50	20.62	20.79	20.59	21.50
GPRS 2 Tx slots	26.04	26.22	26.03	27.50	20.04	20.22	20.03	21.50
GPRS 3 Tx slots	24.22	24.21	24.21	26.00	19.96	19.95	19.95	21.74
GPRS 4 Tx slots	23.21	23.25	23.24	24.50	20.21	20.25	20.24	21.50
EDGE 1 Tx slot	26.08	26.08	26.00	27.50	17.08	17.08	17.00	18.50
EDGE 2 Tx slots	23.09	23.14	23.14	24.50	17.09	17.14	17.14	18.50
EDGE 3 Tx slots	21.87	21.96	21.86	23.00	17.61	17.70	17.60	18.74
EDGE 4 Tx slots	20.61	20.69	20.53	21.50	17.61	17.69	17.53	18.50

WCDMA II Ant4 Default power

WCDMA IV Ant4 Default power

WCDMA V Ant4 Default power

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4468	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.98	24.06	24.02	25.00	23.78	23.81	23.77	25.00	24.08	24.22	24.15	25.50
3GPP Rel 99	RMC 12.2Kbps	24.06	24.12	24.08	25.00	23.86	23.87	23.84	25.00	24.28	24.31	24.29	25.50
3GPP Rel 6	HSDPA Subtest-1	23.13	23.02	22.99	24.00	22.90	22.83	22.70	24.00	23.24	23.48	23.33	24.50
3GPP Rel 6	HSDPA Subtest-2	22.94	22.86	22.98	24.00	22.86	22.84	22.83	24.00	23.24	23.18	23.47	24.50
3GPP Rel 6	HSDPA Subtest-3	22.66	22.53	22.57	23.50	22.39	22.20	22.38	23.50	22.80	22.90	22.89	24.00
3GPP Rel 6	HSDPA Subtest-4	22.80	22.75	22.60	23.50	22.17	22.28	22.20	23.50	22.80	22.68	22.80	24.00
3GPP Rel 8	DC-HSDPA Subtest-1	22.93	23.02	23.11	24.00	22.99	22.99	22.95	24.00	23.22	23.35	23.31	24.50
3GPP Rel 8	DC-HSDPA Subtest-2	22.94	23.08	23.24	24.00	22.89	22.89	22.86	24.00	23.32	23.21	23.35	24.50
3GPP Rel 8	DC-HSDPA Subtest-3	22.63	22.64	22.60	23.50	22.37	22.33	22.29	23.50	22.70	22.96	22.73	24.00
3GPP Rel 8	DC-HSDPA Subtest-4	22.47	22.76	22.70	23.50	22.36	22.24	22.39	23.50	22.77	22.98	22.84	24.00
3GPP Rel 6	HSUPA Subtest-1	22.88	23.21	22.97	24.00	22.93	22.74	22.74	24.00	23.26	23.24	23.35	24.50
3GPP Rel 6	HSUPA Subtest-2	20.96	21.11	21.20	22.00	20.80	20.86	20.93	22.00	21.18	21.25	21.31	22.50
3GPP Rel 6	HSUPA Subtest-3	21.93	22.12	21.93	23.00	21.80	21.89	21.87	23.00	22.31	22.32	22.27	23.50
3GPP Rel 6	HSUPA Subtest-4	21.13	21.21	21.15	22.00	20.88	20.90	20.72	22.00	21.35	21.43	21.34	22.50
3GPP Rel 6	HSUPA Subtest-5	23.00	23.13	23.06	24.00	22.68	23.01	22.89	24.00	23.12	23.29	23.43	24.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.45	20.52	20.55	21.50	20.36	20.38	20.35	21.50	20.87	20.87	20.90	22.00



Band 2 Ant4 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				1850	1850	19100			
Frequency (MHz)				1850	1850	19100			
20	QPSK	1	0	24.24	24.26	24.20		25	0
20	QPSK	1	49	24.14	24.12	24.25			
20	QPSK	1	99	24.05	24.02	24.15			
20	QPSK	50	0	23.19	23.23	23.21			
20	QPSK	50	24	23.15	23.16	23.12		24	1
20	QPSK	50	50	23.05	23.09	23.08			
20	QPSK	100	0	23.10	23.20	23.05			
20	16QAM	1	0	23.10	23.12	23.11			
20	16QAM	1	49	23.00	23.06	23.08		24	1
20	16QAM	1	99	23.01	22.97	22.97			
20	16QAM	50	0	22.27	22.28	22.37			
20	16QAM	50	24	22.00	22.30	22.10		23	2
20	16QAM	50	50	22.12	22.08	22.19			
20	16QAM	100	0	21.70	21.85	21.70			
20	64QAM	1	0	22.18	22.21	22.29			
20	64QAM	1	49	21.83	22.22	22.03		23	2
20	64QAM	1	99	22.08	21.98	22.08			
20	64QAM	50	0	21.43	21.48	21.51			
20	64QAM	50	24	21.45	21.49	21.43		22	3
20	64QAM	50	50	21.37	21.34	21.69			
20	64QAM	100	0	21.35	21.40	21.39			
Channel				1867.5	18900	19125	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1880	1902.5			
15	QPSK	1	0	24.17	24.11	24.07		25	0
15	QPSK	1	37	24.08	24.04	24.14			
15	QPSK	1	74	23.94	23.95	24.06			
15	QPSK	36	0	23.09	23.12	23.16			
15	QPSK	36	20	23.01	23.10	23.00		24	1
15	QPSK	36	39	22.91	22.98	22.94			
15	QPSK	75	0	22.98	23.12	22.92			
15	16QAM	1	0	22.98	22.98	23.00		24	1
15	16QAM	1	37	22.94	22.96	23.02			
15	16QAM	1	74	22.88	22.89	22.82			
15	16QAM	36	0	22.18	22.14	22.25			
15	16QAM	36	20	21.85	22.20	21.85		23	2
15	16QAM	36	39	22.00	22.00	22.08			
15	16QAM	75	0	21.58	21.74	21.63			
15	64QAM	1	0	22.07	22.08	22.18			
15	64QAM	1	37	21.86	22.10	21.90		23	2
15	64QAM	1	74	21.99	21.84	21.96			
15	64QAM	36	0	21.38	21.36	21.40			
15	64QAM	36	20	21.38	21.39	21.30		22	3
15	64QAM	36	39	21.28	21.28	21.56			
15	64QAM	75	0	21.30	21.36	21.35			
Channel				18850	18900	19150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				18850	1880	1905			
10	QPSK	1	0	24.10	24.17	24.08		25	0
10	QPSK	1	25	24.08	24.03	24.18			
10	QPSK	1	49	23.97	23.96	24.07			
10	QPSK	25	0	23.12	23.13	23.10			
10	QPSK	25	12	23.04	23.04	22.98		24	1
10	QPSK	25	25	22.93	22.96	22.99			
10	QPSK	50	0	22.98	23.12	22.97			
10	16QAM	1	0	22.97	22.98	23.02		24	1
10	16QAM	1	25	22.93	22.93	23.00			
10	16QAM	1	49	22.91	22.86	22.86			
10	16QAM	25	0	22.13	22.19	22.26			
10	16QAM	25	12	21.94	22.16	21.98		23	2
10	16QAM	25	25	22.05	21.97	22.10			
10	16QAM	50	0	21.61	21.73	21.62			
10	64QAM	1	0	22.13	22.14	22.23		23	2
10	64QAM	1	25	21.87	22.12	21.93			
10	64QAM	1	49	21.99	21.87	22.02			
10	64QAM	25	0	21.31	21.34	21.42			
10	64QAM	25	12	21.36	21.42	21.29		22	3
10	64QAM	25	25	21.32	21.22	21.56			
10	64QAM	50	0	21.30	21.35	21.33			
Channel				18825	18900	19175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1882.5	1880	1907.5			
5	QPSK	1	0	24.12	24.11	24.06		25	0
5	QPSK	1	12	24.09	23.99	24.14			
5	QPSK	1	24	23.95	23.90	24.03			
5	QPSK	12	0	23.10	23.14	23.18			
5	QPSK	12	7	23.01	23.05	22.97		24	1
5	QPSK	12	13	22.98	23.02	22.94			
5	QPSK	25	0	23.00	23.06	23.00			
5	16QAM	1	0	23.01	22.98	23.01		24	1
5	16QAM	1	12	22.95	22.93	23.00			
5	16QAM	1	24	22.94	22.82	22.87			
5	16QAM	12	0	22.13	22.18	22.27		23	2
5	16QAM	12	7	21.90	22.24	21.98			
5	16QAM	12	13	22.03	22.00	22.07			
5	16QAM	25	0	21.63	21.78	21.64			
5	64QAM	1	0	22.10	22.12	22.19			
5	64QAM	1	12	21.88	22.10	21.92		23	2
5	64QAM	1	24	22.00	21.86	22.01			
5	64QAM	12	0	21.37	21.40	21.45			
5	64QAM	12	7	21.32	21.43	21.36		22	3
5	64QAM	12	13	21.25	21.29	21.55			
5	64QAM	25	0	21.30	21.34	21.35			
Channel				18815	18900	19185	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1881.5	1880	1908.5			
3	QPSK	1	0	24.18	24.13	24.14		25	0
3	QPSK	1	8	24.06	24.02	24.14			
3	QPSK	1	14	23.92	23.91	24.01			
3	QPSK	8	0	23.13	23.16	23.18			
3	QPSK	8	4	23.08	23.02	23.06		24	1
3	QPSK	8	7	22.99	22.96	23.02			
3	QPSK	15	0	23.01	23.12	22.92			
3	16QAM	1	0	23.03	22.99	23.03			
3	16QAM	1	8	22.96	22.98	22.94		24	1
3	16QAM	1	14	22.95	22.87	22.85			
3	16QAM	8	0	22.16	22.17	22.27			
3	16QAM	8	4	21.93	22.19	22.04		23	2
3	16QAM	8	7	21.98	21.94	22.07			
3	16QAM	15	0	21.64	21.75	21.64			
3	64QAM	1	0	22.07	22.14	22.15			
3	64QAM	1	8	21.87	22.12	21.95		23	2
3	64QAM	1	14	22.00	21.92	21.94			
3	64QAM	8	0	21.37	21.39	21.36			
3	64QAM	8	4	21.34	21.38	21.28		22	3
3	64QAM	8	7	21.29	21.23	21.55			
3	64QAM	15	0	21.31	21.34	21.34			
Channel				18907	18900	19193	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1890.7	1880	1909.3			
1.4	QPSK	1	0	24.14	24.17	24.13		25	0
1.4	QPSK	1	3	24.05	23.98	24.17			
1.4	QPSK	1	5	23.98	23.92	24.07			
1.4	QPSK	3	0	24.13	24.07	24.13			
1.4	QPSK	3	1	24.06	24.11	23.99			
1.4	QPSK	3	3	23.96	24.03	23.94		24	1
1.4	QPSK	6	0	23.05	23.13	22.98			
1.4	16QAM	1	0	22.97	22.98	23.04			
1.4	16QAM	1	3	22.94	22.98	22.94		24	1
1.4	16QAM	1	5	22.92	22.91	22.85			
1.4	16QAM	3	0	23.17	23.13	23.32			
1.4	16QAM	3	1	22.93	23.16	22.97		23	2
1.4	16QAM	3	3	22.98	22.98	23.11			
1.4	16QAM	6	0	21.61	21.79	21.61			
1.4	64QAM	1	0	22.04	22.08	22.20			
1.4	64QAM	1	3	21.85	22.09	21.97		23	2
1.4	64QAM	1	5	22.02	21.87	21.99			
1.4	64QAM	3	0	22.34	22.42	22.43			
1.4	64QAM	3	1	22.34	22.41	22.35			
1.4	64QAM	3	3	22.26	22.29	22.56			
1.4	64QAM	6	0	21.30	21.35	21.34		22	3

Band 4 Ant4 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up (dBm)	MPR (dB)	
Channel				20050	20175	20300			
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	23.98	24.14	23.88		25	0
20	QPSK	1	49	23.96	24.02	23.91			
20	QPSK	1	99	23.76	23.87	23.78			
20	QPSK	50	0	22.89	23.02	22.89			
20	QPSK	50	24	22.89	23.01	22.94		24	1
20	QPSK	50	50	22.86	22.97	22.91			
20	QPSK	100	0	22.90	22.99	22.86			
20	16QAM	1	0	23.09	23.14	23.07			
20	16QAM	1	49	23.06	23.20	23.11		24	1
20	16QAM	1	99	22.96	22.99	22.94			
20	16QAM	50	0	21.86	22.01	21.92			
20	16QAM	50	24	21.92	21.99	21.85		23	2
20	16QAM	50	50	21.88	21.97	21.93			
20	16QAM	100	0	21.95	22.03	21.90			
20	64QAM	1	0	21.85	22.02	21.92			
20	64QAM	1	49	22.00	22.13	22.09		23	2
20	64QAM	1	99	21.92	21.97	21.87			
20	64QAM	50	0	20.91	21.03	20.96			
20	64QAM	50	24	20.85	20.98	20.86		22	3
20	64QAM	50	50	20.94	20.99	20.89			
20	64QAM	100	0	20.99	21.06	20.95			
Channel				20050	20175	20300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1732.5	1747.5			
15	QPSK	1	0	23.94	23.97	23.75		25	0
15	QPSK	1	37	23.90	23.88	23.76			
15	QPSK	1	74	23.66	23.83	23.71			
15	QPSK	36	0	22.76	22.95	22.83			
15	QPSK	36	20	22.85	22.87	22.80		24	1
15	QPSK	36	39	22.79	22.85	22.79			
15	QPSK	75	0	22.85	22.89	22.82			
15	16QAM	1	0	23.04	23.08	22.95			
15	16QAM	1	37	22.96	23.01	22.91		24	1
15	16QAM	1	74	22.83	22.88	22.81			
15	16QAM	36	0	21.73	21.95	21.86			
15	16QAM	36	20	21.84	21.95	21.72		23	2
15	16QAM	36	39	21.83	21.86	21.81			
15	16QAM	75	0	21.81	21.94	21.85			
15	64QAM	1	0	21.84	21.98	21.88			
15	64QAM	1	37	21.96	22.05	22.02		23	2
15	64QAM	1	74	21.86	21.83	21.76			
15	64QAM	36	0	20.85	20.90	20.95			
15	64QAM	36	20	20.74	20.87	20.72		22	3
15	64QAM	36	39	20.82	20.94	20.76			
15	64QAM	75	0	20.86	20.83	20.80			
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1732.5	1750			
10	QPSK	1	0	23.87	23.95	23.76		25	0
10	QPSK	1	25	23.86	23.92	23.77			
10	QPSK	1	49	23.67	23.81	23.74			
10	QPSK	25	0	22.84	22.96	22.74			
10	QPSK	25	12	22.81	22.83	22.83		24	1
10	QPSK	25	25	22.80	22.82	22.84			
10	QPSK	50	0	22.78	22.89	22.79			
10	16QAM	1	0	22.97	23.03	22.98			
10	16QAM	1	25	22.98	23.13	22.99		24	1
10	16QAM	1	49	22.84	22.93	22.83			
10	16QAM	25	0	21.79	21.94	21.84			
10	16QAM	25	12	21.84	21.84	21.72		23	2
10	16QAM	25	25	21.74	21.81	21.81			
10	16QAM	50	0	21.82	21.98	21.80			
10	64QAM	1	0	21.78	21.94	21.86		23	2
10	64QAM	1	25	21.93	22.06	21.97			
10	64QAM	1	49	21.82	21.84	21.74			
10	64QAM	25	0	20.85	20.93	20.91			
10	64QAM	25	12	20.73	20.85	20.78		22	3
10	64QAM	25	25	20.90	20.82	20.85			
10	64QAM	50	0	20.76	20.76	20.76			
Channel				16965	1732.5	1750.5	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1732.5	1752.5			
5	QPSK	1	0	23.94	23.90	23.80		25	0
5	QPSK	1	12	23.93	23.94	23.85			
5	QPSK	1	24	23.65	23.83	23.67			
5	QPSK	12	0	22.81	22.92	22.83			
5	QPSK	12	7	22.80	22.92	22.80		24	1
5	QPSK	12	13	22.79	22.91	22.87			
5	QPSK	25	0	22.84	22.86	22.72			
5	16QAM	1	0	22.97	23.03	22.97			
5	16QAM	1	12	22.96	23.17	23.06		24	1
5	16QAM	1	24	22.89	22.90	22.80			
5	16QAM	12	0	21.77	21.90	21.87			
5	16QAM	12	7	21.82	21.86	21.73		23	2
5	16QAM	12	13	21.85	21.86	21.87			
5	16QAM	25	0	21.88	21.96	21.86			
5	64QAM	1	0	21.78	21.88	21.81			
5	64QAM	1	12	21.97	22.00	22.00		23	2
5	64QAM	1	24	21.83	21.83	21.83			
5	64QAM	12	0	20.81	20.98	20.92			
5	64QAM	12	7	20.77	20.94	20.78		22	3
5	64QAM	12	13	20.84	20.90	20.79			
5	64QAM	25	0	20.83	20.90	20.81			
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1732.5	1753.5			
3	QPSK	1	0	23.94	23.91	23.76		25	0
3	QPSK	1	8	23.83	23.98	23.86			
3	QPSK	1	14	23.63	23.79	23.65			
3	QPSK	8	0	22.80	22.92	22.82			
3	QPSK	8	7	22.79	22.95	22.77		24	1
3	QPSK	8	7	22.72	22.91	22.86			
3	QPSK	15	0	22.84	22.95	22.77			
3	16QAM	1	0	22.98	23.09	23.00			
3	16QAM	1	8	23.02	23.11	23.06		24	1
3	16QAM	1	14	22.84	22.91	22.86			
3	16QAM	8	0	21.76	21.87	21.82			
3	16QAM	8	4	21.82	21.89	21.79		23	2
3	16QAM	8	7	21.85	21.85	21.85			
3	16QAM	15	0	21.89	21.95	21.76			
3	64QAM	1	0	21.78	21.88	21.82			
3	64QAM	1	8	21.92	22.05	22.01		23	2
3	64QAM	1	14	21.86	21.92	21.84			
3	64QAM	8	0	20.78	21.00	20.86			
3	64QAM	8	4	20.75	20.87	20.82		22	3
3	64QAM	8	7	20.90	20.88	20.79			
3	64QAM	15	0	20.76	20.90	20.80			
Channel				16965	17315	17500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1732.5	1754.3			
1.4	QPSK	1	0	23.88	23.89	23.83		25	0
1.4	QPSK	1	3	23.90	23.90	23.81			
1.4	QPSK	1	5	23.64	23.71	23.65			
1.4	QPSK	3	0	23.81	23.85	23.74			
1.4	QPSK	3	1	23.79	23.93	23.79			
1.4	QPSK	3	3	23.74	23.91	23.84			
1.4	QPSK	6	0	22.81	22.82	22.75		24	1
1.4	16QAM	1	0	22.99	23.02	22.96			
1.4	16QAM	1	3	23.91	23.94	23.94			
1.4	16QAM	1	5	22.79	22.91	22.88		24	1
1.4	16QAM	3	0	22.77	22.91	22.80			
1.4	16QAM	3	1	22.81	22.85	22.72			
1.4	16QAM	3	3	22.81	22.82	22.85			
1.4	16QAM	6	0	21.84	21.95	21.78		23	2
1.4	64QAM	1	0	21.71	21.93	21.83			
1.4	64QAM	1	3	21.94	22.06	21.98			
1.4	64QAM	1	5	21.87	21.87	21.71			
1.4	64QAM	3	0	21.74	21.94	21.82		23	2
1.4	64QAM	3	1	21.72	21.88	21.78			
1.4	64QAM	3	3	21.80	21.91	21.83			
1.4	64QAM	6	0	20.84	20.86	20.81		22	3

Band 5 Ant4 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				20450	20525	20600			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	24.15	24.24	24.16	25.5	0	
10	QPSK	1	25	24.00	23.96	24.03			
10	QPSK	1	49	23.92	23.79	23.97			
10	QPSK	25	0	22.98	23.13	23.10			
10	QPSK	25	12	22.96	22.96	22.98			
10	QPSK	25	25	22.86	22.95	22.89	24.5	1	
10	QPSK	50	0	22.88	23.09	22.92			
10	16QAM	1	0	22.88	22.90	22.89			
10	16QAM	1	25	22.90	22.85	22.90			
10	16QAM	1	49	22.80	22.83	22.75			
10	16QAM	25	0	22.06	22.12	22.21	23.5	2	
10	16QAM	25	12	21.86	22.13	21.95			
10	16QAM	25	25	21.97	21.87	22.04			
10	16QAM	50	0	21.99	21.64	22.13			
10	64QAM	1	0	22.00	22.05	22.07			
10	64QAM	1	25	21.77	22.04	21.83	23.5	2	
10	64QAM	1	49	21.92	21.81	21.90			
10	64QAM	25	0	21.21	21.07	21.37			
10	64QAM	25	12	21.30	21.34	21.29			
10	64QAM	25	25	21.19	21.15	21.51			
10	64QAM	50	0	20.83	20.84	20.70	22.5	3	
Channel				20425	20525	20625			
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	0	23.96	24.11	24.00	25.5	0	
5	QPSK	1	12	23.84	23.79	23.93			
5	QPSK	1	24	23.76	23.61	23.79			
5	QPSK	12	0	22.83	22.93	22.95			
5	QPSK	12	7	22.79	22.83	22.88			
5	QPSK	12	13	22.70	22.76	22.76	24.5	1	
5	QPSK	25	0	22.74	22.93	22.79			
5	16QAM	1	0	22.77	22.77	22.78			
5	16QAM	1	12	22.71	22.66	22.72			
5	16QAM	1	24	22.64	22.67	22.64			
5	16QAM	12	0	21.90	21.96	22.04	23.5	2	
5	16QAM	12	7	21.71	21.96	21.76			
5	16QAM	12	13	21.81	21.74	21.89			
5	16QAM	25	0	22.04	22.19	22.09			
5	64QAM	1	0	21.86	21.87	21.92			
5	64QAM	1	12	21.57	21.87	21.71	23.5	2	
5	64QAM	1	24	21.80	21.64	21.74			
5	64QAM	12	0	21.02	20.88	21.27			
5	64QAM	12	7	21.12	21.17	21.16			
5	64QAM	12	13	21.06	20.96	21.34			
5	64QAM	25	0	20.64	20.73	20.51	22.5	3	
Channel				20415	20525	20635			
Frequency (MHz)				825.5	836.5	847.5			
3	QPSK	1	0	23.96	24.07	23.99	25.5	0	
3	QPSK	1	8	23.88	23.82	23.89			
3	QPSK	1	14	23.77	23.68	23.82			
3	QPSK	8	0	22.86	22.98	22.91			
3	QPSK	8	4	22.86	22.76	22.88			
3	QPSK	8	7	22.70	22.84	22.73	24.5	1	
3	QPSK	15	0	22.68	22.95	22.76			
3	16QAM	1	0	22.68	22.70	22.70			
3	16QAM	1	8	22.77	22.69	22.79			
3	16QAM	1	14	22.61	22.69	22.59			
3	16QAM	8	0	21.87	22.01	22.11	23.5	2	
3	16QAM	8	4	21.73	21.95	21.80			
3	16QAM	8	7	21.82	21.68	21.91			
3	16QAM	15	0	22.06	22.23	22.09			
3	64QAM	1	0	21.86	21.90	21.93			
3	64QAM	1	8	21.60	21.85	21.70	23.5	2	
3	64QAM	1	14	21.80	21.67	21.76			
3	64QAM	8	0	21.02	20.89	21.27			
3	64QAM	8	4	21.17	21.17	21.10			
3	64QAM	8	7	21.06	21.02	21.39			
3	64QAM	15	0	20.71	20.68	20.50	22.5	3	
Channel				20407	20525	20643			
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	23.95	24.07	24.05	25.5	0	
1.4	QPSK	1	3	23.87	23.81	23.90			
1.4	QPSK	1	5	23.80	23.62	23.83			
1.4	QPSK	3	0	23.78	23.96	23.95			
1.4	QPSK	3	1	23.77	23.84	23.86			
1.4	QPSK	3	3	23.72	23.75	23.72	24.5	1	
1.4	QPSK	6	0	22.72	22.93	22.78			
1.4	16QAM	1	0	22.70	22.74	22.74			
1.4	16QAM	1	3	22.71	22.69	22.78			
1.4	16QAM	1	5	22.67	22.67	22.58			
1.4	16QAM	3	0	22.93	23.03	23.10	24.5	1	
1.4	16QAM	3	1	22.68	22.95	22.80			
1.4	16QAM	3	3	22.86	22.67	22.92			
1.4	16QAM	6	0	22.00	22.21	22.04			
1.4	64QAM	1	0	21.90	21.92	21.96			
1.4	64QAM	1	3	21.61	21.93	21.71	23.5	2	
1.4	64QAM	1	5	21.80	21.62	21.78			
1.4	64QAM	3	0	22.10	21.90	22.24			
1.4	64QAM	3	1	22.13	22.17	22.16			
1.4	64QAM	3	3	22.08	22.02	22.40			
1.4	64QAM	6	0	20.69	20.68	20.52	22.5	3	

Band 7 Ant4 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	23.79	23.85	23.83	25.5	0	
20	QPSK	1	49	23.74	23.72	23.70			
20	QPSK	1	99	23.59	23.67	23.64			
20	QPSK	50	0	22.63	22.72	22.69	24.5	1	
20	QPSK	50	24	22.62	22.66	22.65			
20	QPSK	50	50	22.59	22.62	22.61			
20	QPSK	100	0	22.61	22.66	22.65	24.5	1	
20	16QAM	1	0	22.86	22.90	22.97			
20	16QAM	1	49	22.79	22.88	22.84			
20	16QAM	1	99	22.70	22.83	22.76	23.5	2	
20	16QAM	50	0	21.75	21.84	21.80			
20	16QAM	50	24	21.66	21.69	21.67			
20	16QAM	50	50	21.69	21.75	21.64	23.5	2	
20	16QAM	100	0	21.75	21.81	21.70			
20	64QAM	1	0	21.94	22.04	22.09			
20	64QAM	1	49	21.95	22.03	21.86	23.5	2	
20	64QAM	1	99	21.83	21.94	21.81			
20	64QAM	50	0	20.90	20.99	20.86			
20	64QAM	50	24	20.77	20.76	20.70	22.5	3	
20	64QAM	50	50	20.75	20.92	20.71			
20	64QAM	100	0	20.88	20.94	20.77			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	23.80	23.81	23.78	25.5	0	
15	QPSK	1	37	23.66	23.71	23.67			
15	QPSK	1	74	23.57	23.64	23.64			
15	QPSK	36	0	22.62	22.71	22.65	24.5	1	
15	QPSK	36	20	22.58	22.56	22.66			
15	QPSK	36	39	22.58	22.63	22.54			
15	QPSK	75	0	22.57	22.68	22.67	24.5	1	
15	16QAM	1	0	22.77	22.88	22.94			
15	16QAM	1	37	22.71	22.83	22.81			
15	16QAM	1	74	22.66	22.76	22.75	23.5	2	
15	16QAM	36	0	21.70	21.75	21.77			
15	16QAM	36	20	21.62	21.61	21.61			
15	16QAM	36	39	21.62	21.65	21.65	23.5	2	
15	16QAM	75	0	21.67	21.78	21.64			
15	64QAM	1	0	21.89	21.97	22.08			
15	64QAM	1	37	21.89	21.95	21.85	23.5	2	
15	64QAM	1	74	21.73	21.93	21.78			
15	64QAM	36	0	20.91	20.99	20.86			
15	64QAM	36	20	20.71	20.68	20.65	22.5	3	
15	64QAM	36	39	20.71	20.85	20.61			
15	64QAM	75	0	20.85	20.90	20.74			
Channel				20850	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	23.70	23.84	23.73	25.5	0	
10	QPSK	1	25	23.67	23.72	23.63			
10	QPSK	1	49	23.52	23.65	23.57			
10	QPSK	25	0	22.54	22.65	22.60	24.5	1	
10	QPSK	25	12	22.56	22.61	22.66			
10	QPSK	25	25	22.57	22.64	22.61			
10	QPSK	50	0	22.52	22.62	22.61	24.5	1	
10	16QAM	1	0	22.86	22.88	22.86			
10	16QAM	1	25	22.71	22.88	22.78			
10	16QAM	1	49	22.66	22.76	22.67	23.5	2	
10	16QAM	25	0	21.71	21.82	21.77			
10	16QAM	25	12	21.61	21.68	21.60			
10	16QAM	25	25	21.62	21.74	21.58	23.5	2	
10	16QAM	50	0	21.75	21.72	21.72			
10	64QAM	1	0	21.94	21.99	22.10			
10	64QAM	1	25	21.95	21.96	21.94	23.5	2	
10	64QAM	1	49	21.76	21.89	21.76			
10	64QAM	25	0	20.88	20.97	20.81			
10	64QAM	25	12	20.69	20.68	20.64	22.5	3	
10	64QAM	25	25	20.69	20.87	20.68			
10	64QAM	50	0	20.85	20.85	20.79			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	23.79	23.84	23.77	25.5	0	
5	QPSK	1	12	23.66	23.68	23.62			
5	QPSK	1	24	23.54	23.61	23.61			
5	QPSK	12	0	22.59	22.69	22.59	24.5	1	
5	QPSK	12	7	22.52	22.63	22.52			
5	QPSK	12	13	22.52	22.62	22.62			
5	QPSK	25	0	22.51	22.66	22.57	24.5	1	
5	16QAM	1	0	22.87	22.88	22.87			
5	16QAM	1	12	22.79	22.85	22.80			
5	16QAM	1	24	22.65	22.82	22.78	23.5	2	
5	16QAM	12	0	21.70	21.82	21.76			
5	16QAM	12	7	21.68	21.66	21.69			
5	16QAM	12	13	21.68	21.75	21.63	23.5	2	
5	16QAM	25	0	21.72	21.75	21.65			
5	64QAM	1	0	21.95	21.98	22.04			
5	64QAM	1	12	21.96	21.94	21.88	23.5	2	
5	64QAM	1	24	21.84	21.90	21.73			
5	64QAM	12	0	20.82	20.98	20.80			
5	64QAM	12	7	20.69	20.87	20.69	22.5	3	
5	64QAM	12	13	20.66	20.93	20.63			
5	64QAM	25	0	20.90	20.89	20.78			

Band 38 Ant4 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	25.5	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	23.84	23.86	23.83			
20	QPSK	1	49	23.78	23.79	23.81	24.5	1	
20	QPSK	1	99	23.80	23.83	23.77			
20	QPSK	50	0	22.78	22.83	22.76			
20	QPSK	50	24	22.71	22.76	22.79	24.5	1	
20	QPSK	50	50	22.75	22.70	22.72			
20	QPSK	100	0	22.61	22.74	22.72			
20	16QAM	1	0	22.92	22.94	22.96	24.5	1	
20	16QAM	1	49	22.91	22.89	22.96			
20	16QAM	1	99	22.88	22.94	22.92			
20	16QAM	50	0	21.88	21.95	21.86	23.5	2	
20	16QAM	50	24	21.77	21.92	21.91			
20	16QAM	50	50	21.88	21.84	21.84			
20	16QAM	100	0	21.76	21.87	21.88	23.5	2	
20	64QAM	1	0	21.96	22.01	22.10			
20	64QAM	1	49	21.98	21.97	22.11			
20	64QAM	1	99	22.03	22.02	22.05	22.5	3	
20	64QAM	50	0	20.96	21.09	20.94			
20	64QAM	50	24	20.83	21.00	21.00			
20	64QAM	50	50	21.02	20.93	20.90	22.5	3	
20	64QAM	100	0	20.84	21.03	21.01			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5	25.5	0	
15	QPSK	1	0	23.82	23.84	23.82			
15	QPSK	1	37	23.76	23.78	23.75	24.5	1	
15	QPSK	1	74	23.74	23.81	23.77			
15	QPSK	36	0	22.78	22.73	22.71			
15	QPSK	36	20	22.73	22.68	22.79	24.5	1	
15	QPSK	36	39	22.71	22.71	22.70			
15	QPSK	75	0	22.61	22.72	22.73			
15	16QAM	1	0	22.92	22.90	22.91	24.5	1	
15	16QAM	1	37	22.86	22.86	22.98			
15	16QAM	1	74	22.81	22.84	22.85			
15	16QAM	36	0	21.81	21.88	21.85	23.5	2	
15	16QAM	36	20	21.69	21.85	21.89			
15	16QAM	36	39	21.79	21.84	21.82			
15	16QAM	75	0	21.75	21.88	21.87	23.5	2	
15	64QAM	1	0	21.95	21.99	22.02			
15	64QAM	1	37	21.94	21.90	22.11			
15	64QAM	1	74	22.00	22.00	21.96	22.5	3	
15	64QAM	36	0	20.94	21.03	20.93			
15	64QAM	36	20	20.76	20.97	21.00			
15	64QAM	36	39	20.95	20.84	20.90	22.5	3	
15	64QAM	75	0	20.80	20.96	20.98			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615	25.5	0	
10	QPSK	1	0	23.79	23.80	23.78			
10	QPSK	1	25	23.78	23.78	23.82	24.5	1	
10	QPSK	1	49	23.75	23.82	23.72			
10	QPSK	25	0	22.78	22.75	22.72			
10	QPSK	25	12	22.65	22.70	22.70	24.5	1	
10	QPSK	25	25	22.69	22.66	22.74			
10	QPSK	50	0	22.53	22.68	22.66			
10	16QAM	1	0	22.88	22.87	22.96	24.5	1	
10	16QAM	1	25	22.84	22.85	22.97			
10	16QAM	1	49	22.86	22.95	22.94			
10	16QAM	25	0	21.80	21.93	21.83	23.5	2	
10	16QAM	25	12	21.68	21.85	21.87			
10	16QAM	25	25	21.87	21.84	21.79			
10	16QAM	50	0	21.74	21.85	21.83	23.5	2	
10	64QAM	1	0	21.90	21.94	22.07			
10	64QAM	1	25	21.92	21.96	22.11			
10	64QAM	1	49	21.97	22.00	21.99	22.5	3	
10	64QAM	25	0	20.87	21.11	20.96			
10	64QAM	25	12	20.74	20.92	21.01			
10	64QAM	25	25	20.96	20.85	20.89	22.5	3	
10	64QAM	50	0	20.78	21.01	21.00			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5	25.5	0	
5	QPSK	1	0	23.84	23.79	23.78			
5	QPSK	1	12	23.77	23.81	23.81	24.5	1	
5	QPSK	1	24	23.80	23.77	23.73			
5	QPSK	12	0	22.75	22.80	22.76	24.5	1	
5	QPSK	12	7	22.65	22.73	22.77			
5	QPSK	12	13	22.76	22.67	22.71			
5	QPSK	25	0	22.60	22.68	22.72	24.5	1	
5	16QAM	1	0	22.89	22.89	22.98			
5	16QAM	1	12	22.92	22.81	22.88			
5	16QAM	1	24	22.89	22.90	22.85	23.5	2	
5	16QAM	12	0	21.84	21.88	21.82			
5	16QAM	12	7	21.68	21.83	21.90			
5	16QAM	12	13	21.80	21.79	21.76	23.5	2	
5	16QAM	25	0	21.69	21.87	21.89			
5	64QAM	1	0	21.89	21.97	22.05			
5	64QAM	1	12	21.98	21.95	22.11	22.5	3	
5	64QAM	1	24	21.96	21.95	22.02			
5	64QAM	12	0	20.97	21.10	20.92			
5	64QAM	12	7	20.84	21.01	20.92	22.5	3	
5	64QAM	12	13	20.94	20.92	20.81			
5	64QAM	25	0	20.80	20.99	20.97			

Band 41 Ant4 Default power										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	25.5	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.86	23.87	23.96	23.73	23.88		
20	QPSK	1	49	23.66	23.70	23.77	23.65	23.71	24.5	1
20	QPSK	1	99	23.67	23.69	23.71	23.67	23.65		
20	QPSK	50	0	22.88	22.86	22.94	22.81	22.87		
20	QPSK	50	24	22.80	22.76	22.90	22.84	22.86	24.5	1
20	QPSK	50	50	22.79	22.72	22.83	22.69	22.78		
20	QPSK	100	0	22.79	22.87	22.91	22.76	22.77		
20	16QAM	1	0	23.03	23.02	23.04	23.00	22.95	24.5	1
20	16QAM	1	49	22.90	22.92	23.01	22.87	22.88		
20	16QAM	1	99	22.71	22.78	22.75	22.74	22.72		
20	16QAM	50	0	21.92	21.89	21.98	21.90	21.84	23.5	2
20	16QAM	50	24	21.80	21.77	21.84	21.72	21.81		
20	16QAM	50	50	21.74	21.69	21.83	21.69	21.76		
20	16QAM	100	0	21.75	21.79	21.87	21.80	21.77	23.5	2
20	64QAM	1	0	21.67	21.71	21.77	21.74	21.63		
20	64QAM	1	49	21.70	21.73	21.84	21.79	21.78		
20	64QAM	1	99	21.69	21.68	21.74	21.67	21.66	22.5	3
20	64QAM	50	0	20.80	20.79	20.94	20.80	20.82		
20	64QAM	50	24	20.67	20.73	20.79	20.71	20.65		
20	64QAM	50	50	20.76	20.73	20.81	20.68	20.72	22.5	3
20	64QAM	100	0	20.75	20.79	20.83	20.73	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	25.50	0
15	QPSK	1	0	23.80	23.79	23.86	23.63	23.84		
15	QPSK	1	37	23.61	23.57	23.69	23.60	23.57		
15	QPSK	1	74	23.62	23.64	23.63	23.59	23.53	24.5	1
15	QPSK	36	0	22.85	22.77	22.82	22.73	22.83		
15	QPSK	36	20	22.67	22.61	22.79	22.73	22.74		
15	QPSK	36	39	22.70	22.63	22.70	22.58	22.75	24.5	1
15	QPSK	75	0	22.67	22.74	22.86	22.62	22.71		
15	16QAM	1	0	22.90	22.92	22.95	22.86	22.89		
15	16QAM	1	37	22.77	22.85	22.90	22.82	22.79	24.5	1
15	16QAM	1	74	22.66	22.56	22.72	22.66	22.68		
15	16QAM	36	0	21.78	21.81	21.84	21.77	21.77		
15	16QAM	36	20	21.71	21.66	21.70	21.60	21.74	23.5	2
15	16QAM	36	39	21.63	21.56	21.77	21.65	21.67		
15	16QAM	75	0	21.69	21.67	21.80	21.73	21.68		
15	64QAM	1	0	21.54	21.61	21.64	21.64	21.60	23.5	2
15	64QAM	1	37	21.56	21.63	21.71	21.68	21.68		
15	64QAM	1	74	21.59	21.54	21.67	21.56	21.61		
15	64QAM	36	0	20.68	20.72	20.90	20.73	20.78	22.5	3
15	64QAM	36	20	20.60	20.68	20.71	20.59	20.59		
15	64QAM	36	39	20.64	20.64	20.71	20.60	20.66		
15	64QAM	75	0	20.65	20.73	20.77	20.61	20.75		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685	25.50	0
10	QPSK	1	0	23.72	23.82	23.81	23.62	23.74		
10	QPSK	1	25	23.58	23.61	23.67	23.55	23.60		
10	QPSK	1	49	23.55	23.56	23.66	23.59	23.59	24.5	1
10	QPSK	25	0	22.79	22.75	22.84	22.68	22.78		
10	QPSK	25	12	22.66	22.73	22.85	22.81	22.81		
10	QPSK	25	25	22.67	22.66	22.72	22.60	22.67	24.5	1
10	QPSK	50	0	22.72	22.73	22.86	22.64	22.69		
10	16QAM	1	0	22.88	22.94	22.95	22.93	22.91		
10	16QAM	1	25	22.87	22.81	22.95	22.79	22.83	24.5	1
10	16QAM	1	49	22.68	22.60	22.70	22.58	22.59		
10	16QAM	25	0	21.77	21.77	21.86	21.76	21.78		
10	16QAM	25	12	21.71	21.70	21.76	21.60	21.66	23.5	2
10	16QAM	25	25	21.63	21.57	21.80	21.58	21.69		
10	16QAM	50	0	21.69	21.67	21.81	21.67	21.70		
10	64QAM	1	0	21.54	21.59	21.68	21.63	21.60	23.5	2
10	64QAM	1	25	21.55	21.67	21.71	21.71	21.70		
10	64QAM	1	49	21.65	21.62	21.64	21.62	21.62		
10	64QAM	25	0	20.72	20.64	20.89	20.77	20.74	22.5	3
10	64QAM	25	12	20.55	20.62	20.72	20.66	20.54		
10	64QAM	25	25	20.63	20.61	20.70	20.64	20.63		
10	64QAM	50	0	20.72	20.69	20.77	20.64	20.69		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	25.50	0
5	QPSK	1	0	23.74	23.79	23.88	23.63	23.82		
5	QPSK	1	12	23.55	23.61	23.74	23.56	23.63		
5	QPSK	1	24	23.53	23.65	23.63	23.62	23.52	24.5	1
5	QPSK	12	0	22.83	22.73	22.88	22.75	22.77		
5	QPSK	12	7	22.71	22.65	22.82	22.76	22.76		
5	QPSK	12	13	22.70	22.58	22.74	22.65	22.68	24.5	1
5	QPSK	25	0	22.73	22.76	22.80	22.65	22.70		
5	16QAM	1	0	22.98	22.90	22.95	22.92	22.92		
5	16QAM	1	12	22.77	22.80	22.93	22.73	22.78	24.5	1
5	16QAM	1	24	22.68	22.66	22.69	22.63	22.67		
5	16QAM	12	0	21.88	21.82	21.92	21.78	21.79		
5	16QAM	12	7	21.70	21.64	21.77	21.64	21.78	23.5	2
5	16QAM	12	13	21.64	21.65	21.70	21.56	21.71		
5	16QAM	25	0	21.67	21.72	21.73	21.70	21.67		
5	64QAM	1	0	21.61	21.58	21.72	21.71	21.57	23.5	2
5	64QAM	1	12	21.67	21.68	21.80	21.65	21.70		
5	64QAM	1	24	21.61	21.60	21.61	21.62	21.60		
5	64QAM	12	0	20.73	20.67	20.87	20.68	20.75	22.5	3
5	64QAM	12	7	20.59	20.67	20.70	20.60	20.58		
5	64QAM	12	13	20.68	20.64	20.69	20.59	20.66		
5	64QAM	25	0	20.61	20.67	20.71	20.69	20.66		

Reduced power level for WWAN—DSI 1

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

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

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

WCDMA # Ant1 Default power

WCDMA #		1312	1413	1513
WCDMA #		1537	1638	1738
WCDMA #		1712.4	1732.6	1752.6

WCDMA #		23.44	23.49	23.47
WCDMA #		23.51	23.54	23.53
WCDMA #		22.69	22.63	22.60

WCDMA #		22.77	22.78	22.48
WCDMA #		22.06	22.06	22.18
WCDMA #		22.24	22.19	22.16

WCDMA #		22.76	22.55	22.73
WCDMA #		22.70	22.65	22.72
WCDMA #		22.27	22.15	22.07

WCDMA #		22.39	22.18	21.98
WCDMA #		22.59	22.70	22.74
WCDMA #		20.62	20.57	20.57

WCDMA #		20.73	20.62	20.57
WCDMA #		21.85	21.50	21.64
WCDMA #		20.78	20.81	20.78

WCDMA #		22.63	22.70	22.56
WCDMA #		20.03	20.07	20.17
WCDMA #		21.50	21.50	21.50

WCDMA #		20.29	20.33	20.24
WCDMA #		20.29	20.33	20.24
WCDMA #		20.29	20.33	20.24

WCDMA #		20.29	20.33	20.24
WCDMA #		20.29	20.33	20.24
WCDMA #		20.29	20.33	20.24

WCDMA #		20.29	20.33	20.24
WCDMA #		20.29	20.33	20.24
WCDMA #		20.29	20.33	20.24

WCDMA #		20.29	20.33	20.24
WCDMA #		20.29	20.33	20.24
WCDMA #		20.29	20.33	20.24

WCDMA #		20.29	20.33	20.24
WCDMA #		20.29	20.33	20.24
WCDMA #		20.29	20.33	20.24

WCDMA #		20.29	20.33	20.24
WCDMA #		20.29	20.33	20.24
WCDMA #		20.29	20.33	20.24

WCDMA #		20.29	20.33	20.24
WCDMA #		20.29	20.33	20.24
WCDMA #		20.29	20.33	20.24

WCDMA #		20.29	20.33	20.24
WCDMA #		20.29	20.33	20.24
WCDMA #		20.29	20.33	20.24

WCDMA #		20.29	20.33	20.24
WCDMA #		20.29	20.33	20.24
WCDMA #		20.29	20.33	20.24

WCDMA #		20.29	20.33	20.24
WCDMA #		20.29	20.33	20.24
WCDMA #		20.29	20.33	20.24

WCDMA #		20.29	20.33	20.24
WCDMA #		20.29	20.33	20.24
WCDMA #		20.29	20.33	20.24

WCDMA #		20.29	20.33	20.24
WCDMA #		20.29	20.33	20.24
WCDMA #		20.29	20.33	20.24

WCDMA #		20.29	20.33	20.24
WCDMA #		20.29	20.33	20.24
WCDMA #		20.29	20.33	20.24

WCDMA #		20.29	20.33	20.24
WCDMA #		20.29	20.33	20.24
WCDMA #		20.29	20.33	20.24

WCDMA #		20.29	20.33	20.24
WCDMA #		20.29	20.33	20.24
WCDMA #		20.29	20.33	20.24

WCDMA #		20.29	20.33	20.24
WCDMA #		20.29	20.33	20.24
WCDMA #		20.29	20.33	20.24

WCDMA #		20.29	20.33	20.24
WCDMA #		20.29	20.33	20.24
WCDMA #		20.29	20.33	20.24

WCDMA # Ant1 Default power

WCDMA #		4132	4182	4233
WCDMA #		4357	4407	4458
WCDMA #		4357	4407	4458

WCDMA #		826.4	836.4	846.6
WCDMA #		826.4	836.4	846.6
WCDMA #		826.4	836.4	846.6

WCDMA #		23.91	23.96	23.88
WCDMA #		23.93	23.98	23.89
WCDMA #		22.84	22.95	22.99

WCDMA #		22.78	23.02	23.08
WCDMA #		22.52	22.30	22.35
WCDMA #		22.14	22.39	22.40

WCDMA #		23.10	22.92	23.11
WCDMA #		23.07	23.09	23.13
WCDMA #		22.58	22.36	22.16

WCDMA #		22.25	22.57	22.31
WCDMA #		22.99	22.91	23.15
WCDMA #		20.95	20.98	21.06

WCDMA #		22.01	21.95	21.61
WCDMA #		20.72	20.85	20.89
WCDMA #		22.78	22.95	23.12

WCDMA #		20.29	20.33	20.24
WCDMA #		20.29	20.33	20.24
WCDMA #		20.29	20.33	20.24

WCDMA #		20.29	20.33	20.24
WCDMA #		20.29	20.33	20.24
WCDMA #		20.29	20.33	20.24

WCDMA #		20.29	20.33	20.24
WCDMA #		20.29	20.33	20.24
WCDMA #		20.29	20.33	20.24

WCDMA #		20.29	20.33	20.24
WCDMA #		20.29	20.33	20.24
WCDMA #		20.29	20.33	20.24

WCDMA #		20.29	20.33	20.24
WCDMA #		20.29	20.33	20.24
WCDMA #		20.29	20.33	20.24

Band 2 Ant1 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1850	1850	1850			
20	QPSK	1	0	23.69	23.73	23.60			
20	QPSK	1	49	23.63	23.56	23.63		25	0
20	QPSK	1	99	23.47	23.51	23.56			
20	QPSK	50	0	22.55	22.67	22.53			
20	QPSK	50	24	22.39	22.45	22.47		24	1
20	QPSK	50	50	22.53	22.49	22.58			
20	QPSK	100	0	22.29	22.53	22.50			
20	16QAM	1	0	22.43	22.40	22.30			
20	16QAM	1	49	22.35	22.39	22.37		24	1
20	16QAM	1	99	22.24	22.22	22.28			
20	16QAM	50	0	21.47	21.57	21.53			
20	16QAM	50	24	21.51	21.56	21.58			
20	16QAM	50	50	21.42	21.33	21.41		23	2
20	16QAM	100	0	21.56	21.38	21.39			
20	64QAM	1	0	21.41	21.44	21.35			
20	64QAM	1	49	21.55	21.43	21.47		23	2
20	64QAM	1	99	21.48	21.49	21.50			
20	64QAM	50	0	20.51	20.48	20.55			
20	64QAM	50	24	20.56	20.63	20.53			
20	64QAM	50	50	20.41	20.53	20.55		22	3
20	64QAM	100	0	20.53	20.57	20.50			
Channel									
Frequency (MHz)				1857.5	1880	1902.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	23.62	23.60	23.45			
15	QPSK	1	37	23.57	23.52	23.49		25	0
15	QPSK	1	74	23.36	23.40	23.44			
15	QPSK	36	0	22.30	22.64	22.47			
15	QPSK	36	20	22.30	22.32	22.44		24	1
15	QPSK	36	39	22.46	22.43	22.53			
15	QPSK	75	0	22.16	22.45	22.36			
15	16QAM	1	0	22.31	22.33	22.20			
15	16QAM	1	37	22.27	22.25	22.28		24	1
15	16QAM	1	74	22.12	22.19	22.22			
15	16QAM	36	0	21.38	21.49	21.46			
15	16QAM	36	20	21.39	21.52	21.48		23	2
15	16QAM	36	39	21.31	21.27	21.37			
15	16QAM	75	0	21.53	21.31	21.24			
15	64QAM	1	0	21.29	21.34	21.28			
15	64QAM	1	37	21.41	21.37	21.40		23	2
15	64QAM	1	74	21.44	21.45	21.42			
15	64QAM	36	0	20.43	20.40	20.53			
15	64QAM	36	20	20.53	20.60	20.49		22	3
15	64QAM	36	39	20.34	20.46	20.50			
15	64QAM	75	0	20.50	20.49	20.38			
Channel									
Frequency (MHz)				1855	1880	1905	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	23.58	23.62	23.51			
10	QPSK	1	25	23.54	23.44	23.53		25	0
10	QPSK	1	49	23.41	23.39	23.52			
10	QPSK	25	0	22.51	22.58	22.40			
10	QPSK	25	12	22.29	22.32	22.28		24	1
10	QPSK	25	25	22.39	22.45	22.48			
10	QPSK	50	0	22.22	22.42	22.43			
10	16QAM	1	0	22.33	22.37	22.21			
10	16QAM	1	25	22.29	22.33	22.34		24	1
10	16QAM	1	49	22.14	22.09	22.23			
10	16QAM	25	0	21.36	21.45	21.42			
10	16QAM	25	12	21.46	21.49	21.54		23	2
10	16QAM	25	25	21.33	21.26	21.29			
10	16QAM	50	0	21.45	21.31	21.35			
10	64QAM	1	0	21.29	21.36	21.23		23	2
10	64QAM	1	25	21.40	21.37	21.40			
10	64QAM	1	49	21.44	21.46	21.41			
10	64QAM	25	0	20.37	20.44	20.61			
10	64QAM	25	12	20.45	20.56	20.50		22	3
10	64QAM	25	25	20.32	20.41	20.45			
10	64QAM	50	0	20.48	20.45	20.44			
Channel									
Frequency (MHz)				1852.5	18900	19175	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	23.64	23.64	23.47			
5	QPSK	1	12	23.30	23.53	23.35		25	0
5	QPSK	1	24	23.41	23.44	23.46			
5	QPSK	12	0	22.45	22.60	22.47			
5	QPSK	12	7	22.31	22.35	22.35		24	1
5	QPSK	12	13	22.48	22.41	22.54			
5	QPSK	25	0	22.24	22.48	22.36			
5	16QAM	1	0	22.32	22.33	22.21			
5	16QAM	1	12	22.23	22.32	22.29		24	1
5	16QAM	1	24	22.17	22.14	22.18			
5	16QAM	12	0	21.36	21.43	21.38			
5	16QAM	12	7	21.36	21.53	21.50		23	2
5	16QAM	12	13	21.36	21.27	21.31			
5	16QAM	25	0	21.52	21.28	21.30			
5	64QAM	1	0	21.26	21.34	21.31			
5	64QAM	1	12	21.45	21.34	21.37		23	2
5	64QAM	1	24	21.34	21.42	21.44			
5	64QAM	12	0	20.40	20.35	20.50			
5	64QAM	12	7	20.45	20.50	20.42		22	3
5	64QAM	12	13	20.28	20.41	20.46			
5	64QAM	25	0	20.40	20.53	20.46			
Channel									
Frequency (MHz)				1851.5	1880	1908.5	Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	23.65	23.62	23.47			
3	QPSK	1	8	23.51	23.45	23.58		25	0
3	QPSK	1	14	23.44	23.42	23.42			
3	QPSK	8	0	22.45	22.58	22.44			
3	QPSK	8	4	22.36	22.41	22.33		24	1
3	QPSK	8	7	22.45	22.36	22.44			
3	QPSK	15	0	22.24	22.46	22.37			
3	16QAM	1	0	22.35	22.31	22.16			
3	16QAM	1	8	22.32	22.27	22.30		24	1
3	16QAM	1	14	22.17	22.08	22.20			
3	16QAM	8	0	21.43	21.43	21.47			
3	16QAM	8	4	21.47	21.49	21.54		23	2
3	16QAM	8	7	21.28	21.29	21.37			
3	16QAM	15	0	21.45	21.30	21.24			
3	64QAM	1	0	21.32	21.39	21.22			
3	64QAM	1	8	21.47	21.29	21.41		23	2
3	64QAM	1	14	21.39	21.37	21.46			
3	64QAM	8	0	20.38	20.41	20.53			
3	64QAM	8	4	20.43	20.49	20.39		22	3
3	64QAM	8	7	20.30	20.49	20.50			
3	64QAM	15	0	20.39	20.46	20.46			
Channel									
Frequency (MHz)				1859.7	18900	1909.3	Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	23.65	23.59	23.55			
1.4	QPSK	1	3	23.52	23.46	23.51		25	0
1.4	QPSK	1	5	23.43	23.39	23.43			
1.4	QPSK	3	0	23.48	23.64	23.44			
1.4	QPSK	3	1	23.27	23.33	23.36		24	1
1.4	QPSK	3	3	23.44	23.43	23.51			
1.4	16QAM	1	0	22.17	22.47	22.44			
1.4	16QAM	1	0	22.32	22.27	22.17		24	1
1.4	16QAM	1	3	22.21	22.36	22.26			
1.4	16QAM	1	5	22.12	22.11	22.18		24	1
1.4	16QAM	3	0	22.40	22.51	22.42			
1.4	16QAM	3	1	22.45	22.44	22.50			
1.4	16QAM	3	3	22.33	22.22	22.29		23	2
1.4	16QAM	6	0	21.42	21.35	21.32			
1.4	64QAM	1	0	21.30	21.39	21.26			
1.4	64QAM	1	3	21.44	21.32	21.34		23	2
1.4	64QAM	1	5	21.36	21.36	21.45			
1.4	64QAM	3	0	21.36	21.35	21.53			
1.4	64QAM	3	1	21.49	21.49	21.49			
1.4	64QAM	3	3	21.29	21.43	21.52			
1.4	64QAM	6	0	20.50	20.53	20.43		22	3

Band 4 Ant1 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				20050	20175	20300			
20	QPSK	1	0	23.54	23.55	23.42			
20	QPSK	1	49	23.48	23.40	23.49		25	0
20	QPSK	1	99	23.33	23.37	23.34			
20	QPSK	50	0	22.37	22.52	22.39			
20	QPSK	50	24	22.27	22.24	22.33		24	1
20	QPSK	50	50	22.39	22.33	22.37			
20	QPSK	100	0	22.11	22.40	22.32			
20	16QAM	1	0	22.50	22.51	22.44			
20	16QAM	1	49	22.45	22.36	22.48		24	1
20	16QAM	1	99	22.36	22.39	22.31			
20	16QAM	50	0	21.36	21.48	21.36			
20	16QAM	50	24	21.28	21.23	21.38		23	2
20	16QAM	50	50	21.36	21.30	21.40			
20	16QAM	100	0	21.14	21.38	21.37			
20	64QAM	1	0	21.54	21.55	21.42			
20	64QAM	1	49	21.43	21.32	21.40		23	2
20	64QAM	1	99	21.31	21.40	21.28			
20	64QAM	50	0	20.41	20.44	20.40			
20	64QAM	50	24	20.33	20.19	20.45		22	3
20	64QAM	50	50	20.36	20.30	20.41			
20	64QAM	100	0	20.13	20.41	20.39			
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1732.5	1747.5			
15	QPSK	1	0	23.49	23.42	23.29			
15	QPSK	1	37	23.45	23.38	23.42		25	0
15	QPSK	1	74	23.28	23.24	23.27			
15	QPSK	36	0	22.30	22.41	22.24			
15	QPSK	36	20	22.23	22.12	22.19		24	1
15	QPSK	36	39	22.34	22.29	22.29			
15	QPSK	75	0	22.00	22.26	22.18			
15	16QAM	1	0	22.00	22.02	22.32			
15	16QAM	1	37	22.35	22.27	22.35		24	1
15	16QAM	1	74	22.25	22.36	22.27			
15	16QAM	36	0	21.30	21.38	21.29			
15	16QAM	36	20	21.21	21.15	21.30		23	2
15	16QAM	36	39	21.29	21.21	21.36			
15	16QAM	75	0	21.07	21.25	21.25			
15	64QAM	1	0	21.43	21.44	21.36			
15	64QAM	1	37	21.40	21.21	21.33		23	2
15	64QAM	1	74	21.19	21.33	21.24			
15	64QAM	36	0	20.35	20.33	20.27			
15	64QAM	36	20	20.26	20.09	20.36		22	3
15	64QAM	36	39	20.35	20.31	20.40			
15	64QAM	75	0	20.07	20.32	20.27			
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715 <th>1732.5</th> <th>1750</th> <th></th> <th></th> <th></th>	1732.5	1750			
10	QPSK	1	0	23.42	23.47	23.34			
10	QPSK	1	25	23.44	23.28	23.46		25	0
10	QPSK	1	49	23.10	23.26	23.21			
10	QPSK	25	0	22.32	22.38	22.43			
10	QPSK	25	12	22.14	22.14	22.28		24	1
10	QPSK	25	25	22.36	22.28	22.35			
10	QPSK	50	0	22.07	22.36	22.20			
10	16QAM	1	0	22.45	22.47	22.35			
10	16QAM	1	25	22.33	22.28	22.43		24	1
10	16QAM	1	49	22.31	22.31	22.27			
10	16QAM	25	0	21.30	21.44	21.31			
10	16QAM	25	12	21.17	21.10	21.24		23	2
10	16QAM	25	25	21.22	21.25	21.27			
10	16QAM	50	0	21.08	21.22	21.28			
10	64QAM	1	0	21.43	21.46	21.38			
10	64QAM	1	25	21.34	21.23	21.37		23	2
10	64QAM	1	49	21.27	21.32	21.23			
10	64QAM	25	0	20.26	20.38	20.26			
10	64QAM	25	12	20.23	20.14	20.32		22	3
10	64QAM	25	25	20.27	20.23	20.42			
10	64QAM	50	0	20.04	20.32	20.25			
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1732.5	1752.5			
5	QPSK	1	0	23.47	23.43	23.32			
5	QPSK	1	12	23.42	23.34	23.39		25	0
5	QPSK	1	24	23.27	23.25	23.23			
5	QPSK	12	0	22.32	22.38	22.27			
5	QPSK	12	7	22.17	22.15	22.18		24	1
5	QPSK	12	13	22.35	22.29	22.34			
5	QPSK	25	0	22.00	22.27	22.17			
5	16QAM	1	0	22.47	22.43	22.39			
5	16QAM	1	12	22.31	22.30	22.35		24	1
5	16QAM	1	24	22.31	22.27	22.19			
5	16QAM	12	0	21.26	21.40	21.24			
5	16QAM	12	7	21.25	21.12	21.24		23	2
5	16QAM	12	13	21.24	21.16	21.27			
5	16QAM	25	0	21.05	21.28	21.23			
5	64QAM	1	0	21.45	21.46	21.35			
5	64QAM	1	12	21.32	21.33	21.37		23	2
5	64QAM	1	24	21.12	21.35	21.27			
5	64QAM	12	0	20.37	20.37	20.27			
5	64QAM	12	7	20.27	20.11	20.35		22	3
5	64QAM	12	13	20.30	20.23	20.36			
5	64QAM	25	0	20.07	20.30	20.33			
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1732.5	1753.5			
3	QPSK	1	0	23.41	23.45	23.31			
3	QPSK	1	8	23.34	23.31	23.45		25	0
3	QPSK	1	14	23.23	23.22	23.23			
3	QPSK	8	0	22.26	22.40	22.35			
3	QPSK	8	4	22.13	22.14	22.21		24	1
3	QPSK	8	7	22.27	22.23	22.23			
3	QPSK	15	0	22.04	22.30	22.21			
3	16QAM	1	0	22.43	22.48	22.31			
3	16QAM	1	8	22.34	22.24	22.37		24	1
3	16QAM	1	14	22.27	22.29	22.19			
3	16QAM	8	0	21.32	21.43	21.29			
3	16QAM	8	4	21.16	21.15	21.25		23	2
3	16QAM	8	7	21.33	21.21	21.30			
3	16QAM	15	0	21.00	21.26	21.29			
3	64QAM	1	0	21.45	21.49	21.29			
3	64QAM	1	8	21.38	21.20	21.35		23	2
3	64QAM	1	14	21.22	21.37	21.14			
3	64QAM	8	0	20.28	20.29	20.29			
3	64QAM	8	4	20.26	20.14	20.40		22	3
3	64QAM	8	7	20.32	20.33	20.33			
3	64QAM	15	0	20.07	20.30	20.33			
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1732.5	1754.3			
1.4	QPSK	1	0	23.44	23.45	23.35			
1.4	QPSK	1	3	23.35	23.29	23.43		25	0
1.4	QPSK	1	5	23.21	23.23	23.19			
1.4	QPSK	3	0	23.29	23.45	23.28			
1.4	QPSK	3	1	23.19	23.15	23.26			
1.4	QPSK	3	3	23.35	23.22	23.30		24	1
1.4	QPSK	6	0	22.02	22.34	22.18			
1.4	16QAM	1	0	22.44	22.42	22.31			
1.4	16QAM	1	3	22.31	22.21	22.39		24	1
1.4	16QAM	1	5	22.31	22.30	22.23			
1.4	16QAM	3	0	22.24	22.34	22.31			
1.4	16QAM	3	1	22.15	22.14	22.30			
1.4	16QAM	3	3	22.33	22.22	22.27			
1.4	16QAM	6	0	21.04	21.23	21.31		23	2
1.4	64QAM	1	0	21.46	21.40	21.37			
1.4	64QAM	1	3	21.28	21.28	21.38			
1.4	64QAM	1	5	21.27	21.36	21.24		23	2
1.4	64QAM	3	0	21.31	21.40	21.37			
1.4	64QAM	3	1	21.18	21.08	21.36			
1.4	64QAM	3	3	21.32	21.25	21.36			
1.4	64QAM	6	0	20.05	20.28	20.30		22	3

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

Band 7 Ant1 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	24.04	24.09	24.01	25.5	0	
20	QPSK	1	49	24.03	23.99	24.05			
20	QPSK	1	99	23.88	23.93	23.85			
20	QPSK	50	0	22.97	23.07	22.95	24.5	1	
20	QPSK	50	24	22.79	22.75	22.85			
20	QPSK	50	50	22.91	22.91	22.88			
20	QPSK	100	0	22.67	22.90	22.82	24.5	1	
20	16QAM	1	0	22.89	22.68	22.70			
20	16QAM	1	49	22.67	22.75	22.83			
20	16QAM	1	99	22.53	22.97	22.86	23.5	2	
20	16QAM	50	0	21.83	22.04	22.05			
20	16QAM	50	24	21.96	21.89	22.03			
20	16QAM	50	50	21.86	21.65	21.79	23.5	2	
20	16QAM	100	0	21.92	21.55	21.59			
20	64QAM	1	0	21.79	21.86	21.82			
20	64QAM	1	49	21.86	21.73	21.93	23.5	2	
20	64QAM	1	99	21.84	21.86	21.84			
20	64QAM	50	0	20.90	20.91	21.14			
20	64QAM	50	24	20.91	21.01	20.90	22.5	3	
20	64QAM	50	50	20.87	20.85	21.14			
20	64QAM	100	0	20.88	20.88	20.86			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	23.87	23.98	23.82	25.5	0	
15	QPSK	1	37	23.87	23.81	23.86			
15	QPSK	1	74	23.71	23.77	23.69			
15	QPSK	36	0	22.82	22.91	22.82	24.5	1	
15	QPSK	36	20	22.62	22.60	22.68			
15	QPSK	36	39	22.80	22.79	22.72			
15	QPSK	75	0	22.51	22.72	22.72	24.5	1	
15	16QAM	1	0	22.70	22.87	22.52			
15	16QAM	1	37	22.53	22.61	22.73			
15	16QAM	1	74	22.92	22.58	22.96	23.5	2	
15	16QAM	36	0	21.68	21.91	21.85			
15	16QAM	36	20	21.76	21.75	21.87			
15	16QAM	36	39	21.75	21.54	21.69	23.5	2	
15	16QAM	75	0	21.72	21.94	21.90			
15	64QAM	1	0	21.68	21.66	21.67			
15	64QAM	1	37	21.74	21.54	21.79	23.5	2	
15	64QAM	1	74	21.65	21.76	21.71			
15	64QAM	36	0	20.72	20.80	20.98			
15	64QAM	36	20	20.70	20.82	20.78	22.5	3	
15	64QAM	36	39	20.70	20.68	20.65			
15	64QAM	75	0	20.75	20.70	20.65			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	23.85	23.99	23.85	25.5	0	
10	QPSK	1	25	23.83	23.84	23.85			
10	QPSK	1	49	23.74	23.77	23.64			
10	QPSK	25	0	22.85	22.92	22.78	24.5	1	
10	QPSK	25	12	22.66	22.66	22.66			
10	QPSK	25	25	22.73	22.74	22.67			
10	QPSK	25	0	22.99	22.74	22.93	24.5	1	
10	16QAM	1	0	22.72	22.72	22.58			
10	16QAM	1	25	22.55	22.57	22.72			
10	16QAM	1	49	22.99	22.56	22.86	23.5	2	
10	16QAM	25	0	21.66	21.83	21.95			
10	16QAM	25	12	21.78	21.80	21.83			
10	16QAM	25	25	21.68	21.84	21.59	23.5	2	
10	16QAM	50	0	21.76	21.86	21.89			
10	64QAM	1	0	21.65	21.75	21.69			
10	64QAM	1	25	21.67	21.64	21.82	22.5	3	
10	64QAM	1	49	21.69	21.69	21.72			
10	64QAM	25	0	20.73	20.71	21.01			
10	64QAM	25	12	20.81	20.86	20.71	22.5	3	
10	64QAM	25	25	20.71	20.56	20.94			
10	64QAM	50	0	20.79	20.79	20.68			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	23.86	23.91	23.84	25.5	0	
5	QPSK	1	24	23.81	23.86	23.85			
5	QPSK	1	24	23.72	23.75	23.65			
5	QPSK	12	0	22.77	22.86	22.81	24.5	1	
5	QPSK	12	7	22.65	22.65	22.72			
5	QPSK	12	13	22.71	22.76	22.74			
5	QPSK	25	0	22.57	22.76	22.72	24.5	1	
5	16QAM	1	0	22.70	22.57	22.53			
5	16QAM	1	12	22.50	22.58	22.69			
5	16QAM	1	24	22.88	22.56	22.87	23.5	2	
5	16QAM	12	0	21.72	21.86	21.92			
5	16QAM	12	7	21.81	21.79	21.92			
5	16QAM	12	13	21.69	21.51	21.62	23.5	2	
5	16QAM	25	0	21.72	21.91	21.86			
5	64QAM	1	0	21.59	21.71	21.65			
5	64QAM	1	12	21.72	21.55	21.75	23.5	2	
5	64QAM	1	24	21.75	21.68	21.75			
5	64QAM	12	0	20.80	20.73	20.84			
5	64QAM	12	7	20.82	20.91	20.76	22.5	3	
5	64QAM	12	13	20.75	20.67	20.95			
5	64QAM	25	0	20.70	20.74	20.76			

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

Band 41 Ant1 Default power										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	25.5	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.93	23.99	24.12	24.02	24.07		
20	QPSK	1	49	23.83	23.90	23.97	23.91	23.92	24.5	1
20	QPSK	1	99	23.81	23.84	23.91	23.76	23.78		
20	QPSK	50	0	22.97	23.01	23.08	22.93	22.95		
20	QPSK	50	24	22.95	22.96	23.07	22.95	22.98	24.5	1
20	QPSK	50	50	22.93	22.98	23.04	22.94	22.94		
20	QPSK	100	0	23.04	23.02	23.09	23.03	23.00		
20	16QAM	1	0	23.00	23.02	23.15	23.09	23.12	24.5	1
20	16QAM	1	49	23.07	22.97	23.11	22.98	23.03		
20	16QAM	1	99	22.87	22.88	23.01	22.94	22.87		
20	16QAM	50	0	21.95	21.98	22.09	22.04	21.99	23.5	2
20	16QAM	50	24	22.02	21.96	22.08	21.94	21.95		
20	16QAM	50	50	21.98	21.92	22.05	21.99	21.92		
20	16QAM	100	0	21.97	21.96	22.09	22.02	21.97	23.5	2
20	64QAM	1	0	21.91	21.87	22.00	21.89	21.92		
20	64QAM	1	49	21.90	21.87	22.02	21.90	21.88		
20	64QAM	1	99	21.81	21.83	21.94	21.79	21.80	22.5	3
20	64QAM	50	0	21.00	20.90	21.04	20.95	21.00		
20	64QAM	50	24	20.88	20.82	20.97	20.86	20.89		
20	64QAM	50	50	20.93	20.91	21.03	20.93	20.98	22.5	3
20	64QAM	100	0	20.92	20.89	21.00	20.89	20.93		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	25.50	0
15	QPSK	1	0	23.81	23.87	24.03	23.95	23.94	25.50	0
15	QPSK	1	37	23.73	23.82	23.87	23.83	23.79		
15	QPSK	1	74	23.69	23.75	23.79	23.72	23.70		
15	QPSK	36	0	22.92	22.94	23.00	22.83	22.80	24.5	1
15	QPSK	36	20	22.82	22.84	23.02	22.84	22.94		
15	QPSK	36	39	22.68	22.91	22.87	22.80	22.85		
15	QPSK	75	0	22.94	22.97	22.85	22.96	22.94	24.5	1
15	16QAM	1	0	22.99	22.98	23.06	22.95	23.08		
15	16QAM	1	37	23.03	22.90	23.06	22.86	22.90		
15	16QAM	1	74	22.81	22.83	22.90	22.89	22.83	23.5	2
15	16QAM	36	0	21.86	21.94	22.01	21.92	21.93		
15	16QAM	36	20	21.67	21.90	21.97	21.85	21.86		
15	16QAM	36	39	21.88	21.85	21.94	21.92	21.77	23.5	2
15	16QAM	75	0	21.82	21.87	22.00	21.97	21.91		
15	64QAM	1	0	21.87	21.77	21.94	21.80	21.79		
15	64QAM	1	37	21.77	21.73	21.91	21.77	21.78	22.5	3
15	64QAM	1	74	21.72	21.75	21.87	21.66	21.77		
15	64QAM	36	0	20.87	20.78	20.90	20.89	20.94		
15	64QAM	36	20	20.83	20.74	20.87	20.79	20.83	22.5	3
15	64QAM	36	39	20.86	20.83	20.95	20.80	20.90		
15	64QAM	75	0	20.85	20.78	20.88	20.74	20.89		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685	25.50	0
10	QPSK	1	0	23.86	23.94	24.00	23.89	23.96	24.5	1
10	QPSK	1	25	23.80	23.76	23.90	23.86	23.88		
10	QPSK	1	49	23.71	23.80	23.82	23.63	23.72		
10	QPSK	25	0	22.83	22.95	22.96	22.85	22.83	24.5	1
10	QPSK	25	12	22.84	22.91	22.99	22.89	22.94		
10	QPSK	25	25	22.87	22.85	22.93	22.88	22.91		
10	QPSK	50	0	22.96	22.93	22.99	23.00	22.93	24.5	1
10	16QAM	1	0	22.87	22.95	23.02	22.97	23.02		
10	16QAM	1	49	22.99	22.85	23.03	22.86	22.88		
10	16QAM	1	25	22.75	22.81	22.92	22.83	22.74	23.5	2
10	16QAM	25	0	21.91	21.87	22.05	22.00	21.87		
10	16QAM	25	12	21.93	21.88	22.00	21.86	21.86		
10	16QAM	25	25	21.94	21.87	22.01	21.86	21.79	23.5	2
10	16QAM	50	0	21.82	21.88	22.03	21.91	21.94		
10	64QAM	1	0	21.86	21.78	21.88	21.83	21.86		
10	64QAM	1	25	21.77	21.77	21.87	21.78	21.76	22.5	3
10	64QAM	1	49	21.77	21.74	21.89	21.64	21.72		
10	64QAM	25	0	20.90	20.82	20.92	20.83	20.94		
10	64QAM	25	12	20.80	20.68	20.86	20.79	20.83	22.5	3
10	64QAM	25	25	20.84	20.76	20.95	20.90	20.91		
10	64QAM	50	0	20.84	20.81	20.86	20.76	20.85		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	25.50	0
5	QPSK	1	0	23.81	23.85	23.98	23.92	23.93	24.5	1
5	QPSK	1	12	23.79	23.85	23.88	23.82	23.78		
5	QPSK	1	24	23.73	23.77	23.80	23.68	23.69		
5	QPSK	12	0	22.84	22.89	22.98	22.78	22.82	24.5	1
5	QPSK	12	7	22.81	22.88	23.01	22.84	22.91		
5	QPSK	12	13	22.86	22.88	22.92	22.81	22.85		
5	QPSK	25	0	22.95	22.89	23.05	22.99	22.94	24.5	1
5	16QAM	1	0	22.90	22.98	23.02	23.01	22.98		
5	16QAM	1	12	22.96	22.91	23.04	22.87	22.90		
5	16QAM	1	24	22.73	22.78	22.96	22.89	22.78	23.5	2
5	16QAM	12	0	21.88	21.91	22.01	21.92	21.93		
5	16QAM	12	7	21.90	21.89	22.00	21.80	21.87		
5	16QAM	12	13	21.92	21.83	21.97	21.94	21.85	23.5	2
5	16QAM	25	0	21.92	21.81	22.02	21.92	21.89		
5	64QAM	1	0	21.88	21.74	21.91	21.83	21.85		
5	64QAM	1	12	21.85	21.78	21.96	21.80	21.81	22.5	3
5	64QAM	1	24	21.71	21.75	21.88	21.65	21.74		
5	64QAM	12	0	20.89	20.77	20.97	20.85	20.91		
5	64QAM	12	7	20.73	20.76	20.92	20.80	20.79	22.5	3
5	64QAM	12	13	20.83	20.82	20.95	20.79	20.94		
5	64QAM	25	0	20.81	20.76	20.93	20.77	20.86		

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

Band 38 Ant2 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	18.5	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	17.29	17.73	17.49			
20	QPSK	1	49	17.23	17.35	17.40	18.5	0	
20	QPSK	1	99	17.43	17.58	17.52			
20	QPSK	50	0	17.36	17.60	17.40			
20	QPSK	50	24	17.36	17.37	17.46	18.5	0	
20	QPSK	50	50	17.21	17.43	17.58			
20	QPSK	100	0	17.29	17.46	17.33			
20	16QAM	1	0	17.63	17.39	17.55	18.5	0	
20	16QAM	1	49	17.40	17.19	17.44			
20	16QAM	1	99	17.28	17.55	17.59			
20	16QAM	50	0	17.37	17.52	17.55	18.5	0	
20	16QAM	50	24	17.29	17.27	17.30			
20	16QAM	50	50	17.14	17.59	17.56			
20	16QAM	100	0	17.31	17.40	17.57	18.5	0	
20	64QAM	1	0	17.54	17.64	17.48			
20	64QAM	1	49	17.42	17.31	17.23			
20	64QAM	1	99	17.14	17.59	17.58	18.5	0	
20	64QAM	50	0	17.44	17.41	17.39			
20	64QAM	50	24	17.38	17.26	17.36			
20	64QAM	50	50	17.23	17.50	17.45	18.5	0	
20	64QAM	100	0	17.31	17.39	17.46			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5	18.5	0	
15	QPSK	1	0	17.28	17.71	17.62			
15	QPSK	1	37	17.28	17.34	17.39	18.5	0	
15	QPSK	1	74	17.21	17.52	17.65			
15	QPSK	36	0	17.50	17.59	17.36			
15	QPSK	36	20	17.50	17.50	17.33	18.5	0	
15	QPSK	36	39	17.10	17.41	17.38			
15	QPSK	75	0	17.32	17.36	17.32			
15	16QAM	1	0	17.65	17.44	17.52	18.5	0	
15	16QAM	1	37	17.36	17.15	17.38			
15	16QAM	1	74	17.39	17.63	17.50			
15	16QAM	36	0	17.43	17.47	17.45	18.5	0	
15	16QAM	36	20	17.27	17.35	17.47			
15	16QAM	36	39	17.21	17.39	17.42			
15	16QAM	75	0	17.29	17.47	17.35	18.5	0	
15	64QAM	1	0	17.52	17.47	17.54			
15	64QAM	1	37	17.41	17.33	17.28			
15	64QAM	1	74	17.20	17.41	17.60	18.5	0	
15	64QAM	36	0	17.58	17.51	17.34			
15	64QAM	36	20	17.40	17.23	17.53			
15	64QAM	36	39	17.34	17.34	17.25	18.5	0	
15	64QAM	75	0	17.47	17.42	17.56			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615	18.5	0	
10	QPSK	1	0	17.42	17.55	17.52			
10	QPSK	1	25	17.36	17.36	17.47	18.5	0	
10	QPSK	1	49	17.36	17.52	17.66			
10	QPSK	25	0	17.44	17.54	17.40			
10	QPSK	25	12	17.36	17.40	17.37	18.5	0	
10	QPSK	25	25	17.08	17.38	17.49			
10	QPSK	50	0	17.25	17.25	17.31			
10	16QAM	1	0	17.50	17.56	17.44	18.5	0	
10	16QAM	1	25	17.35	17.13	17.49			
10	16QAM	1	49	17.19	17.57	17.45			
10	16QAM	25	0	17.31	17.58	17.51	18.5	0	
10	16QAM	25	12	17.32	17.31	17.39			
10	16QAM	25	25	17.19	17.50	17.64			
10	16QAM	50	0	17.29	17.48	17.50	18.5	0	
10	64QAM	1	0	17.39	17.48	17.44			
10	64QAM	1	25	17.27	17.17	17.40			
10	64QAM	1	49	17.15	17.39	17.60	18.5	0	
10	64QAM	25	0	17.38	17.52	17.47			
10	64QAM	25	12	17.48	17.28	17.41			
10	64QAM	25	25	17.34	17.43	17.24	18.5	0	
10	64QAM	50	0	17.25	17.39	17.52			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5	18.5	0	
5	QPSK	1	0	17.31	17.67	17.45			
5	QPSK	1	12	17.30	17.52	17.53	18.5	0	
5	QPSK	1	24	17.37	17.65	17.61			
5	QPSK	12	0	17.36	17.69	17.54			
5	QPSK	12	7	17.44	17.51	17.44	18.5	0	
5	QPSK	12	13	17.24	17.43	17.49			
5	QPSK	25	0	17.27	17.25	17.31			
5	16QAM	1	0	17.57	17.52	17.57	18.5	0	
5	16QAM	1	12	17.28	17.14	17.55			
5	16QAM	1	24	17.38	17.62	17.51			
5	16QAM	12	0	17.38	17.47	17.38	18.5	0	
5	16QAM	12	7	17.29	17.31	17.32			
5	16QAM	12	13	17.15	17.38	17.44			
5	16QAM	25	0	17.45	17.44	17.51	18.5	0	
5	64QAM	1	0	17.41	17.56	17.58			
5	64QAM	1	12	17.24	17.34	17.34			
5	64QAM	1	24	17.28	17.40	17.54	18.5	0	
5	64QAM	12	0	17.39	17.57	17.26			
5	64QAM	12	7	17.48	17.15	17.54			
5	64QAM	12	13	17.39	17.43	17.46	18.5	0	
5	64QAM	25	0	17.37	17.40	17.49			

Band 41 Ant2 DSI1										
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	19	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	17.76	17.68	17.99	17.80	17.74	19	0
20	QPSK	1	49	17.73	17.91	17.95	17.91	17.95		
20	QPSK	1	99	17.73	17.74	17.94	17.82	17.88		
20	QPSK	50	0	17.73	17.73	17.86	17.64	17.76	19	0
20	QPSK	50	24	17.78	17.82	17.73	17.76	17.70		
20	QPSK	50	50	17.85	17.77	17.81	17.83	17.73		
20	QPSK	100	0	17.80	17.76	17.81	17.77	17.78	19	0
20	16QAM	1	0	17.73	17.81	17.83	17.80	17.89		
20	16QAM	1	49	17.71	17.86	17.78	17.88	17.97		
20	16QAM	1	99	17.74	17.88	17.82	17.80	17.97	19	0
20	16QAM	50	0	17.72	17.82	17.90	17.89	17.92		
20	16QAM	50	24	17.78	17.84	17.82	17.76	17.81		
20	16QAM	50	50	17.89	17.93	17.80	17.93	17.85	19	0
20	16QAM	100	0	17.83	17.80	17.79	17.91	17.85		
20	64QAM	1	0	17.76	17.96	17.80	17.88	17.92		
20	64QAM	1	49	17.93	17.83	17.93	17.91	17.92	19	0
20	64QAM	1	99	17.77	17.95	17.95	17.80	17.83		
20	64QAM	50	0	17.77	17.91	17.85	17.91	17.83		
20	64QAM	50	24	17.81	17.87	17.97	17.86	17.83	19	0
20	64QAM	50	50	17.67	17.75	17.86	17.82	17.94		
20	64QAM	100	0	17.84	17.94	17.90	17.98	17.96		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	19.00	0
15	QPSK	1	0	17.65	17.74	17.85	17.69	17.85		
15	QPSK	1	37	17.60	17.79	17.95	17.74	17.95		
15	QPSK	1	74	17.55	17.60	17.76	17.84	17.70	19	0
15	QPSK	36	0	17.61	17.59	17.88	17.58	17.58		
15	QPSK	36	20	17.77	17.78	17.64	17.63	17.67		
15	QPSK	36	39	17.75	17.64	17.64	17.80	17.59	19	0
15	QPSK	75	0	17.71	17.81	17.81	17.68	17.75		
15	16QAM	1	0	17.64	17.80	17.85	17.74	17.71		
15	16QAM	1	37	17.60	17.80	17.77	17.85	17.79	19	0
15	16QAM	1	74	17.76	17.86	17.65	17.81	17.86		
15	16QAM	36	0	17.57	17.63	17.89	17.80	17.90		
15	16QAM	36	20	17.73	17.68	17.64	17.54	17.61	19	0
15	16QAM	36	39	17.75	17.87	17.74	17.91	17.78		
15	16QAM	75	0	17.76	17.75	17.94	17.80	17.83		
15	64QAM	1	0	17.69	17.94	17.79	17.83	17.74	19	0
15	64QAM	1	37	17.83	17.80	17.80	17.75	17.88		
15	64QAM	1	74	17.62	17.94	17.96	17.70	17.82		
15	64QAM	36	0	17.59	17.69	17.93	17.72	17.73	19	0
15	64QAM	36	20	17.79	17.88	17.92	17.84	17.70		
15	64QAM	36	39	17.69	17.56	17.84	17.63	17.76		
15	64QAM	75	0	17.81	17.86	17.88	17.77	17.82		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685	19.00	0
10	QPSK	1	0	17.67	17.79	17.98	17.72	17.94		
10	QPSK	1	25	17.56	17.90	17.94	17.70	17.86		
10	QPSK	1	49	17.70	17.72	17.93	17.81	17.80	19	0
10	QPSK	25	0	17.67	17.59	17.66	17.66	17.73		
10	QPSK	25	12	17.59	17.70	17.64	17.66	17.66		
10	QPSK	25	25	17.72	17.78	17.72	17.72	17.61	19	0
10	QPSK	50	0	17.75	17.71	17.84	17.61	17.65		
10	16QAM	1	0	17.59	17.79	17.84	17.69	17.81		
10	16QAM	1	25	17.67	17.86	17.68	17.81	17.78	19	0
10	16QAM	1	49	17.74	17.71	17.65	17.80	17.83		
10	16QAM	25	0	17.52	17.78	17.86	17.73	17.88		
10	16QAM	25	12	17.59	17.65	17.62	17.68	17.65	19	0
10	16QAM	25	25	17.68	17.85	17.75	17.81	17.90		
10	16QAM	50	0	17.83	17.75	17.84	17.86	17.71		
10	64QAM	1	0	17.77	17.84	17.80	17.68	17.88	19	0
10	64QAM	1	25	17.72	17.78	17.88	17.73	17.74		
10	64QAM	1	49	17.63	17.89	17.85	17.75	17.79		
10	64QAM	25	0	17.75	17.76	17.86	17.74	17.66	19	0
10	64QAM	25	12	17.76	17.83	17.91	17.88	17.65		
10	64QAM	25	25	17.68	17.61	17.77	17.67	17.84		
10	64QAM	50	0	17.75	17.77	17.73	17.83	17.81		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	19.00	0
5	QPSK	1	0	17.57	17.74	17.89	17.59	17.90		
5	QPSK	1	12	17.62	17.80	17.80	17.75	17.84		
5	QPSK	1	24	17.62	17.62	17.95	17.62	17.66	19	0
5	QPSK	12	0	17.74	17.54	17.64	17.66	17.56		
5	QPSK	12	7	17.73	17.74	17.72	17.68	17.64		
5	QPSK	12	13	17.74	17.60	17.76	17.77	17.59	19	0
5	QPSK	25	0	17.64	17.80	17.71	17.60	17.73		
5	16QAM	1	0	17.57	17.61	17.96	17.79	17.80		
5	16QAM	1	12	17.64	17.74	17.74	17.83	17.94	19	0
5	16QAM	1	24	17.62	17.77	17.70	17.63	17.93		
5	16QAM	12	0	17.56	17.66	17.70	17.76	17.73		
5	16QAM	12	7	17.59	17.71	17.72	17.67	17.65	19	0
5	16QAM	12	13	17.79	17.86	17.64	17.87	17.79		
5	16QAM	25	0	17.79	17.72	17.80	17.69	17.80		
5	64QAM	1	0	17.69	17.88	17.89	17.67	17.80	19	0
5	64QAM	1	12	17.92	17.84	17.82	17.87	17.71		
5	64QAM	1	24	17.64	17.78	17.86	17.59	17.74		
5	64QAM	12	0	17.60	17.79	17.93	17.85	17.65	19	0
5	64QAM	12	7	17.61	17.72	17.89	17.77	17.71		
5	64QAM	12	13	17.48	17.67	17.86	17.65	17.83		
5	64QAM	25	0	17.82	17.88	17.90	17.91	17.90		

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

GSM1900 AnH4 DSII									
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	
GSM 1 Tx slot		29.11	29.28	29.11	29.50	20.11	20.28	20.11	20.50
GPRS 1 Tx slot		29.21	29.21	29.14	29.50	20.21	20.21	20.14	20.50
GPRS 2 Tx slots		26.17	26.12	26.09	26.50	20.17	20.12	20.09	20.50
GPRS 3 Tx slots		23.87	23.96	23.77	25.00	19.61	19.70	19.51	20.74
GPRS 4 Tx slots		22.78	22.82	22.79	23.50	19.78	19.82	19.79	20.50
EDGE 1 Tx slot		25.43	25.47	25.26	26.50	16.43	16.47	16.26	17.50
EDGE 2 Tx slots		22.71	22.72	22.64	23.50	16.71	16.72	16.64	17.50
EDGE 3 Tx slots		21.35	21.51	21.47	22.00	17.09	17.25	17.21	17.74
EDGE 4 Tx slots		19.96	20.04	19.98	20.50	16.96	17.04	16.98	17.50

WCDMA II AnH4 DSII									
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99		19.50	19.57	19.55	20.50	20.71	20.79	20.78	22.00
3GPP Rel 99	AMR 12.2Kbps	19.53	19.60	19.57	20.50	20.99	21.08	21.06	22.00
3GPP Rel 99	RMC 12.2Kbps	19.53	19.60	19.57	20.50	20.99	21.08	21.06	22.00
3GPP Rel 6	HSDPA Subtest-1	18.65	18.50	18.39	19.50	19.87	20.05	19.82	21.00
3GPP Rel 6	HSDPA Subtest-2	18.46	18.45	18.46	19.50	19.94	20.04	19.87	21.00
3GPP Rel 6	HSDPA Subtest-3	18.17	18.02	18.10	19.00	19.31	19.59	19.40	20.50
3GPP Rel 6	HSDPA Subtest-4	18.13	18.25	18.10	19.00	19.96	19.97	19.84	20.50
3GPP Rel 8	DC-HSDPA Subtest-1	18.44	18.51	18.61	19.50	19.72	20.07	19.91	21.00
3GPP Rel 8	DC-HSDPA Subtest-2	18.46	18.59	18.73	19.50	20.00	19.89	19.81	21.00
3GPP Rel 8	DC-HSDPA Subtest-3	18.13	18.15	18.10	19.00	19.22	19.41	19.53	20.50
3GPP Rel 8	DC-HSDPA Subtest-4	17.94	18.29	18.22	19.00	19.49	19.34	19.30	20.50
3GPP Rel 6	HSUPA Subtest-1	18.40	18.71	18.47	19.50	19.88	20.03	19.84	21.00
3GPP Rel 6	HSUPA Subtest-2	16.46	16.63	16.72	17.50	18.04	17.77	17.79	19.00
3GPP Rel 6	HSUPA Subtest-3	17.40	17.60	17.45	18.50	18.79	18.85	18.96	20.00
3GPP Rel 6	HSUPA Subtest-4	16.63	16.68	16.64	17.50	17.89	17.84	17.83	19.00
3GPP Rel 6	HSUPA Subtest-5	18.49	18.60	18.56	19.50	19.89	19.96	19.86	21.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	15.06	15.99	16.08	17.00	17.61	17.49	17.39	18.50

WCDMA V AnH4 DSII

Band		WCDMA V			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99		22.89	23.03	22.94	24.50
3GPP Rel 99	AMR 12.2Kbps	22.89	23.03	22.94	24.50
3GPP Rel 99	RMC 12.2Kbps	22.89	23.03	22.94	24.50
3GPP Rel 6	HSDPA Subtest-1	22.25	22.27	22.10	23.50
3GPP Rel 6	HSDPA Subtest-2	22.29	22.28	22.12	23.50
3GPP Rel 6	HSDPA Subtest-3	21.70	21.74	21.66	23.00
3GPP Rel 6	HSDPA Subtest-4	22.45	22.46	22.07	23.00
3GPP Rel 8	DC-HSDPA Subtest-1	22.15	22.15	22.26	23.50
3GPP Rel 8	DC-HSDPA Subtest-2	22.19	22.28	21.94	23.50
3GPP Rel 8	DC-HSDPA Subtest-3	21.54	21.75	21.86	23.00
3GPP Rel 8	DC-HSDPA Subtest-4	21.78	21.68	21.74	23.00
3GPP Rel 6	HSUPA Subtest-1	22.14	22.22	22.42	23.50
3GPP Rel 6	HSUPA Subtest-2	20.31	20.10	19.97	21.50
3GPP Rel 6	HSUPA Subtest-3	21.18	21.42	21.31	22.50
3GPP Rel 6	HSUPA Subtest-4	20.33	20.40	20.27	21.50
3GPP Rel 6	HSUPA Subtest-5	22.12	22.36	22.36	23.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	18.50	19.68	19.67	21.00

Band 2 Ant4 DSI1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				18700	18900	19100			
Frequency (MHz)				18680	18880	19080			
20	QPSK	1	0	19.84	19.85	19.81	20.5	0	
20	QPSK	1	49	19.60	19.62	19.73			
20	QPSK	1	99	19.45	19.46	19.76			
20	QPSK	50	0	19.64	19.77	19.75			
20	QPSK	50	24	19.67	19.65	19.76	20.5	0	
20	QPSK	50	50	19.44	19.51	19.65			
20	QPSK	100	0	19.68	19.62	19.60			
20	16QAM	1	0	19.58	19.73	19.76			
20	16QAM	1	49	19.49	19.62	19.73	20.5	0	
20	16QAM	1	99	19.64	19.70	19.77			
20	16QAM	50	0	19.58	19.62	19.75			
20	16QAM	50	24	19.65	19.42	19.73			
20	16QAM	50	50	19.71	19.83	19.64	20.5	0	
20	16QAM	100	0	19.69	19.62	19.70			
20	64QAM	1	0	19.64	19.84	19.62			
20	64QAM	1	49	19.57	19.54	19.82	20.5	0	
20	64QAM	1	99	19.51	19.48	19.72			
20	64QAM	50	0	19.81	19.82	19.59			
20	64QAM	50	24	19.74	19.77	19.75			
20	64QAM	50	50	19.63	19.59	19.67	20.5	0	
20	64QAM	100	0	19.58	19.64	19.59			
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	18880	19022.5			
15	QPSK	1	0	19.63	19.82	19.75	20.5	0	
15	QPSK	1	37	19.42	19.43	19.61			
15	QPSK	1	74	19.39	19.37	19.64			
15	QPSK	36	0	19.49	19.63	19.72			
15	QPSK	36	20	19.58	19.54	19.65	20.5	0	
15	QPSK	36	39	19.41	19.39	19.52			
15	QPSK	75	0	19.51	19.72	19.39			
15	16QAM	1	0	19.54	19.54	19.69			
15	16QAM	1	37	19.28	19.50	19.62	20.5	0	
15	16QAM	1	74	19.52	19.50	19.78			
15	16QAM	36	0	19.39	19.58	19.58			
15	16QAM	36	20	19.45	19.33	19.61			
15	16QAM	36	39	19.50	19.72	19.65	20.5	0	
15	16QAM	75	0	19.64	19.57	19.48			
15	64QAM	1	0	19.62	19.74	19.54			
15	64QAM	1	37	19.50	19.43	19.73			
15	64QAM	1	74	19.37	19.46	19.56	20.5	0	
15	64QAM	36	0	19.72	19.66	19.58			
15	64QAM	36	20	19.60	19.73	19.72			
15	64QAM	36	39	19.56	19.56	19.64			
15	64QAM	75	0	19.37	19.51	19.40	20.5	0	
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	18880	1905			
10	QPSK	1	0	19.69	19.81	19.77	20.5	0	
10	QPSK	1	25	19.43	19.58	19.63			
10	QPSK	1	49	19.34	19.46	19.56			
10	QPSK	25	0	19.61	19.68	19.70			
10	QPSK	25	12	19.49	19.65	19.63	20.5	0	
10	QPSK	25	25	19.43	19.43	19.64			
10	QPSK	50	0	19.64	19.79	19.55			
10	16QAM	1	0	19.48	19.72	19.75			
10	16QAM	1	25	19.36	19.59	19.54	20.5	0	
10	16QAM	1	49	19.46	19.64	19.67			
10	16QAM	25	0	19.52	19.49	19.58			
10	16QAM	25	12	19.49	19.25	19.75			
10	16QAM	25	25	19.58	19.66	19.60	20.5	0	
10	16QAM	50	0	19.69	19.55	19.67			
10	64QAM	1	0	19.57	19.84	19.60			
10	64QAM	1	25	19.52	19.44	19.81			
10	64QAM	1	49	19.36	19.44	19.60	20.5	0	
10	64QAM	25	0	19.65	19.84	19.40			
10	64QAM	25	12	19.60	19.56	19.75			
10	64QAM	25	25	19.42	19.44	19.67			
10	64QAM	50	0	19.43	19.53	19.39	20.5	0	
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	18880	1907.5			
5	QPSK	1	0	19.80	19.65	19.81	20.5	0	
5	QPSK	1	12	19.39	19.58	19.66			
5	QPSK	1	24	19.32	19.40	19.73			
5	QPSK	12	0	19.65	19.72	19.66			
5	QPSK	12	7	19.50	19.62	19.67	20.5	0	
5	QPSK	12	13	19.35	19.37	19.51			
5	QPSK	25	0	19.68	19.75	19.55			
5	16QAM	1	0	19.41	19.72	19.66			
5	16QAM	1	12	19.51	19.60	19.59	20.5	0	
5	16QAM	1	24	19.52	19.64	19.73			
5	16QAM	12	0	19.44	19.53	19.72			
5	16QAM	12	7	19.61	19.39	19.64			
5	16QAM	12	13	19.54	19.62	19.59	20.5	0	
5	16QAM	25	0	19.65	19.53	19.67			
5	64QAM	1	0	19.48	19.76	19.52			
5	64QAM	1	12	19.59	19.49	19.78			
5	64QAM	1	24	19.47	19.42	19.59	20.5	0	
5	64QAM	12	0	19.63	19.72	19.44			
5	64QAM	12	7	19.72	19.65	19.75			
5	64QAM	12	13	19.59	19.39	19.57			
5	64QAM	25	0	19.37	19.61	19.56	20.5	0	
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1851.5	18880	1908.5			
3	QPSK	1	0	19.77	19.72	19.83	20.5	0	
3	QPSK	1	8	19.53	19.62	19.52			
3	QPSK	1	14	19.38	19.43	19.56			
3	QPSK	8	0	19.56	19.71	19.72			
3	QPSK	8	4	19.50	19.63	19.57	20.5	0	
3	QPSK	8	7	19.38	19.41	19.53			
3	QPSK	15	0	19.49	19.71	19.44			
3	16QAM	1	0	19.38	19.67	19.76			
3	16QAM	1	8	19.28	19.52	19.63	20.5	0	
3	16QAM	1	14	19.61	19.64	19.75			
3	16QAM	8	0	19.49	19.52	19.61			
3	16QAM	8	4	19.46	19.42	19.53			
3	16QAM	8	7	19.55	19.63	19.62	20.5	0	
3	16QAM	15	0	19.60	19.61	19.69			
3	64QAM	1	0	19.44	19.66	19.59			
3	64QAM	1	8	19.49	19.46	19.70			
3	64QAM	1	14	19.34	19.30	19.57	20.5	0	
3	64QAM	8	0	19.76	19.71	19.45			
3	64QAM	8	4	19.65	19.63	19.75			
3	64QAM	8	7	19.64	19.42	19.45			
3	64QAM	15	0	19.53	19.61	19.39	20.5	0	
Channel				18597	19000	19163	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				18597	18880	19093			
1.4	QPSK	1	0	19.84	19.66	19.71	20.5	0	
1.4	QPSK	1	3	19.42	19.49	19.54			
1.4	QPSK	1	5	19.38	19.37	19.70			
1.4	QPSK	3	0	19.60	19.61	19.66			
1.4	QPSK	3	1	19.60	19.62	19.73	20.5	0	
1.4	QPSK	3	3	19.69	19.67	19.77			
1.4	QPSK	6	0	19.57	19.62	19.68			
1.4	16QAM	1	0	19.39	19.26	19.55			
1.4	16QAM	1	3	19.60	19.66	19.73	20.5	0	
1.4	16QAM	1	5	19.51	19.61	19.72			
1.4	16QAM	3	0	19.84	19.84	19.80			
1.4	16QAM	3	1	19.42	19.60	19.52			
1.4	16QAM	3	3	19.45	19.39	19.70	20.5	0	
1.4	64QAM	1	3	19.82	19.77	19.60	20.5	0	
1.4	64QAM	1	5	19.82	19.76	19.60			
1.4	64QAM	3	0	19.56	19.61	19.69			
1.4	64QAM	3	1	19.31	19.26	19.70			
1.4	64QAM	3	3	19.64	19.75	19.73	20.5	0	
1.4	64QAM	6	0	19.69	19.66	19.74			

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

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

Band 38 Ant4 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	23	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	2127	2133	2128	23	0	
20	QPSK	1	49	2125	2129	2123			
20	QPSK	1	99	2117	2117	2116			
20	QPSK	50	0	2125	2126	2118			
20	QPSK	50	24	2115	2117	2111			
20	QPSK	50	50	2116	2122	2122	23	0	
20	QPSK	100	0	2111	2119	2115			
20	16QAM	1	0	2122	2128	2125			
20	16QAM	1	49	2109	2119	2108			
20	16QAM	1	99	2113	2123	2117			
20	16QAM	50	0	2121	2121	2118	23	0	
20	16QAM	50	24	2112	2118	2111			
20	16QAM	50	50	2110	2116	2111			
20	16QAM	100	0	2125	2126	2119			
20	64QAM	1	0	2115	2118	2114			
20	64QAM	1	49	2121	2122	2114	23	0	
20	64QAM	1	99	2116	2127	2127			
20	64QAM	50	0	2068	2077	2069			
20	64QAM	50	24	2083	2086	2075			
20	64QAM	50	50	2071	2078	2067			
20	64QAM	100	0	2073	2081	2078	22.5	0.5	
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	2124	2131	2123	23	0	
15	QPSK	1	37	2125	2128	2122			
15	QPSK	1	74	2116	2107	2116			
15	QPSK	36	0	2125	2126	2118			
15	QPSK	36	20	2107	2105	2102			
15	QPSK	36	39	2115	2119	2113	23	0	
15	QPSK	75	0	2113	2108	2113			
15	16QAM	1	0	2113	2125	2122			
15	16QAM	1	37	2105	2116	2108			
15	16QAM	1	74	2107	2121	2113			
15	16QAM	36	0	2111	2118	2109	23	0	
15	16QAM	36	20	2103	2113	2118			
15	16QAM	36	39	2101	2107	2111			
15	16QAM	75	0	2116	2125	2115			
15	64QAM	1	0	2105	2116	2112			
15	64QAM	1	37	2116	2121	2113	23	0	
15	64QAM	1	74	2114	2122	2127			
15	64QAM	36	0	2064	2066	2059			
15	64QAM	36	20	2083	2085	2073			
15	64QAM	36	39	2069	2069	2057			
15	64QAM	75	0	2069	2078	2076	22.5	0.5	
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	2116	2126	2123	23	0	
10	QPSK	1	25	2118	2122	2121			
10	QPSK	1	49	2109	2115	2114			
10	QPSK	25	0	2114	2123	2111			
10	QPSK	25	12	2105	2106	2107			
10	QPSK	25	25	2106	2118	2111	23	0	
10	QPSK	50	0	2102	2118	2114			
10	16QAM	1	0	2115	2122	2115			
10	16QAM	1	25	2111	2114	2106			
10	16QAM	1	49	2109	2116	2105			
10	16QAM	25	0	2121	2113	2112	23	0	
10	16QAM	25	12	2111	2110	2106			
10	16QAM	25	25	2102	2104	2109			
10	16QAM	50	0	2118	2119	2111			
10	64QAM	1	0	2106	2108	2111			
10	64QAM	1	25	2112	2122	2104	23	0	
10	64QAM	1	49	2109	2123	2120			
10	64QAM	25	0	2058	2077	2059			
10	64QAM	25	12	2072	2075	2066			
10	64QAM	25	25	2068	2069	2062			
10	64QAM	50	0	2065	2079	2073	22.5	0.5	
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	2126	2122	2128	23	0	
5	QPSK	1	12	2123	2122	2118			
5	QPSK	1	24	2108	2116	2106			
5	QPSK	12	0	2117	2122	2115			
5	QPSK	12	7	2107	2110	2108			
5	QPSK	12	13	2111	2114	2111	23	0	
5	QPSK	25	0	2107	2118	2109			
5	16QAM	1	0	2120	2125	2117			
5	16QAM	1	12	2108	2117	2102			
5	16QAM	1	24	2105	2121	2110			
5	16QAM	12	0	2119	2115	2109	23	0	
5	16QAM	12	7	2108	2112	2117			
5	16QAM	12	13	2108	2111	2115			
5	16QAM	25	0	2121	2122	2113			
5	64QAM	1	0	2111	2114	2106			
5	64QAM	1	12	2113	2112	2106	23	0	
5	64QAM	1	24	2106	2127	2120			
5	64QAM	12	0	2057	2072	2063			
5	64QAM	12	7	2075	2080	2068			
5	64QAM	12	13	2069	2076	2062			
5	64QAM	25	0	2063	2078	2075	22.5	0.5	
Channel				37750	38000	38250			
Frequency (MHz)				2570	2595	2620	Tune-up limit (dBm)	MPR (dB)	

Band 41 Ant4 DSI1										
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	23	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	2133	2147	2150	2130	2142	23	0
20	QPSK	1	49	2125	2123	2128	2127	2123		
20	QPSK	1	99	2120	2124	2125	2122	2114		
20	QPSK	50	0	2135	2142	2146	2140	2134		
20	QPSK	50	24	2121	2121	2129	2118	2121		
20	QPSK	50	50	2106	2112	2116	2112	2112	23	0
20	QPSK	100	0	2132	2137	2138	2133	2130		
20	16QAM	1	0	2125	2127	2127	2127	2127		
20	16QAM	1	49	2115	2113	2119	2107	2112		
20	16QAM	1	99	2116	2116	2122	2114	2117		
20	16QAM	50	0	2119	2112	2120	2108	2116	23	0
20	16QAM	50	24	2123	2113	2125	2120	2117		
20	16QAM	50	50	2110	2114	2118	2116	2107		
20	16QAM	100	0	2118	2116	2127	2125	2117		
20	64QAM	1	0	2119	2109	2119	2116	2115		
20	64QAM	1	49	2112	2107	2116	2108	2105	23	0
20	64QAM	1	99	2111	2108	2112	2109	2100		
20	64QAM	50	0	2060	2070	2072	2062	2068		
20	64QAM	50	24	2059	2064	2066	2061	2065		
20	64QAM	50	50	2050	2060	2061	2056	2056		
20	64QAM	100	0	2075	2069	2076	2064	2072	22.5	0.5
Channel				39725 <th>40173<th>40620<th>41068<th>41515</th></th></th></th>	40173 <th>40620<th>41068<th>41515</th></th></th>	40620 <th>41068<th>41515</th></th>	41068 <th>41515</th>	41515		
Frequency (MHz)				2503.5 <th>2548.3<th>2593<th>2637.8<th>2682.5<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th></th></th></th>	2548.3 <th>2593<th>2637.8<th>2682.5<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th></th></th>	2593 <th>2637.8<th>2682.5<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th></th>	2637.8 <th>2682.5<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th>	2682.5 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th>	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	2118	2131	2131	2107	2122	23.00	0
15	QPSK	1	37	2113	2117	2125	2117	2111		
15	QPSK	1	74	2110	2119	2117	2114	2111		
15	QPSK	36	0	2111	2124	2131	2121	2116		
15	QPSK	36	20	2109	2112	2128	2114	2109		
15	QPSK	36	39	2103	2104	2112	2106	2101	23	0
15	QPSK	75	0	2117	2111	2117	2109	2115		
15	16QAM	1	0	2119	2126	2126	2116	2121		
15	16QAM	1	37	2108	2107	2118	2106	2103	23	0
15	16QAM	1	74	2115	2108	2115	2105	2110		
15	16QAM	36	0	2108	2101	2115	2102	2108	23	0
15	16QAM	36	20	2112	2101	2116	2119	2110		
15	16QAM	36	39	2109	2113	2118	2113	2107		
15	16QAM	75	0	2115	2113	2115	2120	2111		
15	64QAM	1	0	2115	2102	2117	2112	2106		
15	64QAM	1	37	2110	2117	2107	2104	2108	23	0
15	64QAM	1	74	2100	2105	2103	2105	2113		
15	64QAM	36	0	2055	2063	2071	2051	2063		
15	64QAM	36	20	2050	2056	2062	2052	2064		
15	64QAM	36	39	2050	2055	2054	2061	2053		
15	64QAM	75	0	2067	2062	2074	2053	2068	22.5	0.5
Channel				39700	40160	40620	41080	41540		
Frequency (MHz)				2501	2547	2593	2639	2685 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th>	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	2116	2131	2130	2110	2125	23.00	0
10	QPSK	1	25	2121	2118	2120	2124	2117		
10	QPSK	1	49	2111	2120	2115	2112	2114		
10	QPSK	25	0	2114	2127	2122	2115	2114		
10	QPSK	25	12	2117	2116	2118	2112	2120		
10	QPSK	25	25	2103	2100	2104	2103	2112	23	0
10	QPSK	50	0	2115	2122	2120	2118	2115		
10	16QAM	1	0	2121	2122	2126	2121	2116		
10	16QAM	1	25	2115	2111	2116	2102	2111		
10	16QAM	1	49	2116	2107	2110	2107	2105		
10	16QAM	25	0	2115	2102	2109	2106	2108	23	0
10	16QAM	25	12	2121	2107	2116	2109	2116		
10	16QAM	25	25	2106	2102	2108	2106	2112		
10	16QAM	50	0	2116	2111	2117	2122	2114		
10	64QAM	1	0	2118	2104	2114	2111	2111		
10	64QAM	1	25	2108	2106	2115	2109	2103	23	0
10	64QAM	1	49	2110	2108	2105	2117	2102		
10	64QAM	25	0	2068	2064	2060	2053	2065		
10	64QAM	25	12	2061	2057	2058	2050	2054		
10	64QAM	25	25	2062	2059	2057	2050	2058		
10	64QAM	50	0	2074	2059	2064	2061	2069	22.5	0.5
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th>	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	2111	2132	2127	2116	2125	23.00	0
5	QPSK	1	12	2124	2113	2120	2115	2112		
5	QPSK	1	24	2109	2117	2121	2115	2105		
5	QPSK	12	0	2111	2118	2124	2115	2116		
5	QPSK	12	7	2110	2119	2129	2109	2116		
5	QPSK	12	13	2103	2104	2114	2101	2103	23	0
5	QPSK	25	0	2112	2121	2114	2117	2108		
5	16QAM	1	0	2118	2127	2126	2115	2120		
5	16QAM	1	12	2110	2108	2108	2102	2105		
5	16QAM	1	24	2112	2112	2119	2108	2108		
5	16QAM	12	0	2108	2108	2113	2104	2111	23	0
5	16QAM	12	7	2111	2112	2118	2116	2112		
5	16QAM	12	13	2104	2105	2117	2107	2112		
5	16QAM	25	0	2109	2115	2126	2116	2107		
5	64QAM	1	0	2115	2103	2119	2105	2111		
5	64QAM	1	12	2106	2102	2108	2104	2101	23	0
5	64QAM	1	24	2104	2102	2111	2107	2105		
5	64QAM	12	0	2056	2067	2062	2051	2058		
5	64QAM	12	7	2053	2059	2060	2060	2055		
5	64QAM	12	13	2054	2053	2059	2056	2053		
5	64QAM	25	0	2065	2060	2071	2053	2067	22.5	0.5

Reduced power level for WWAN DSI2

GSM850 Ant1 Default power

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

GSM1900 Ant1 Default power

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1860	1909.8		1850.2	1860	1909.8	
Frequency (MHz)	29.81	29.87	29.76	30.50	20.81	20.87	20.76	21.50
GPRS 1 Tx slot	29.83	29.89	29.84	30.50	20.83	20.89	20.84	21.50
GPRS 2 Tx slots	26.24	26.28	26.15	27.50	20.24	20.28	20.15	21.50
GPRS 3 Tx slots	24.16	24.33	24.21	25.00	19.60	20.07	19.95	21.74
GPRS 4 Tx slots	23.07	23.25	23.26	24.50	20.07	20.25	20.26	21.50
EDGE 1 Tx slot	26.34	26.48	26.47	27.50	17.34	17.48	17.47	18.50
EDGE 2 Tx slots	23.21	23.20	23.05	24.50	17.21	17.20	17.05	18.50
EDGE 3 Tx slots	22.18	22.18	22.10	23.00	17.92	17.92	17.84	18.74
EDGE 4 Tx slots	20.86	21.02	20.89	21.50	17.86	18.02	17.89	18.50

WCDMA II Ant1 DSI2

WCDMA IV Ant1 DSI2

WCDMA V Ant1 DSI2

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

Band 2 Ant1 DSI2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				18700	18900	19100				
Frequency (MHz)				1880	1890	1900				
20	QPSK	1	0	21.38	21.53	21.41	23	0		
20	QPSK	1	49	21.21	21.41	21.23				
20	QPSK	1	99	21.36	21.31	21.21				
20	QPSK	50	0	21.30	21.49	21.34				
20	QPSK	50	24	21.18	21.48	21.28				
20	QPSK	50	50	21.29	21.46	21.34	23	0		
20	QPSK	100	0	21.39	21.43	21.39				
20	16QAM	1	0	21.26	21.42	21.41				
20	16QAM	1	49	21.35	21.51	21.28				
20	16QAM	1	99	21.25	21.52	21.37				
20	16QAM	50	0	21.31	21.52	21.21	23	0		
20	16QAM	50	24	21.38	21.39	21.30				
20	16QAM	50	50	21.35	21.38	21.26				
20	16QAM	100	0	21.37	21.44	21.42				
20	64QAM	1	0	21.23	21.32	21.21				
20	64QAM	1	49	21.28	21.49	21.23	23	0		
20	64QAM	1	99	21.37	21.43	21.28				
20	64QAM	50	0	20.36	20.44	20.47				
20	64QAM	50	24	20.44	20.55	20.53				
20	64QAM	50	50	20.40	20.56	20.48				
20	64QAM	100	0	20.35	20.47	20.41	22	1		
Channel				18675	1880	1902.5				
Frequency (MHz)				1857.5	1880	1902.5	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	21.27	21.52	21.35	23	0		
15	QPSK	1	37	21.22	21.33	21.03				
15	QPSK	1	74	21.30	21.18	21.20				
15	QPSK	36	0	21.25	21.41	21.16				
15	QPSK	36	20	21.06	21.32	21.12				
15	QPSK	36	39	21.25	21.29	21.12	23	0		
15	QPSK	75	0	21.33	21.44	21.44				
15	16QAM	1	0	21.27	21.41	21.38				
15	16QAM	1	37	21.15	21.37	21.21				
15	16QAM	1	74	21.23	21.50	21.29				
15	16QAM	36	0	21.14	21.46	21.02	23	0		
15	16QAM	36	20	21.32	21.38	21.21				
15	16QAM	36	39	21.28	21.24	21.07				
15	16QAM	75	0	21.18	21.22	21.36				
15	64QAM	1	0	21.03	21.33	21.05				
15	64QAM	1	37	21.10	21.44	21.06	23	0		
15	64QAM	1	74	21.27	21.21	21.14				
15	64QAM	36	0	20.17	20.23	20.42				
15	64QAM	36	20	20.27	20.49	20.32				
15	64QAM	36	39	20.25	20.44	20.30				
15	64QAM	75	0	20.24	20.43	20.28	22	1		
Channel				18650	18900	19150				
Frequency (MHz)				1855	1880	1905	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	21.30	21.50	21.36	23	0		
10	QPSK	1	25	21.21	21.24	21.16				
10	QPSK	1	49	21.24	21.13	21.20				
10	QPSK	25	0	21.11	21.29	21.13				
10	QPSK	25	12	21.04	21.36	21.16				
10	QPSK	25	25	21.20	21.37	21.14	23	0		
10	QPSK	50	0	21.31	21.34	21.23				
10	16QAM	1	0	21.11	21.36	21.23				
10	16QAM	1	25	21.26	21.41	21.15				
10	16QAM	1	49	21.05	21.52	21.31				
10	16QAM	25	0	21.29	21.50	21.00	23	0		
10	16QAM	25	12	21.22	21.21	21.16				
10	16QAM	25	25	21.18	21.21	21.23				
10	16QAM	50	0	21.16	21.25	21.40				
10	64QAM	1	0	21.14	21.22	21.05				
10	64QAM	1	25	21.07	21.37	21.21	23	0		
10	64QAM	1	49	21.22	21.44	21.30				
10	64QAM	25	0	20.38	20.23	20.44				
10	64QAM	25	12	20.34	20.42	20.44				
10	64QAM	25	25	20.31	20.52	20.33				
10	64QAM	50	0	20.17	20.29	20.27	22	1		
Channel				18625	18900	19175				
Frequency (MHz)				1852.5	1880	1907.5	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	21.25	21.37	21.30	23	0		
5	QPSK	1	12	21.21	21.43	21.22				
5	QPSK	1	24	21.38	21.23	21.16				
5	QPSK	12	0	21.21	21.35	21.16				
5	QPSK	12	7	21.05	21.42	21.20				
5	QPSK	12	13	21.11	21.39	21.35	23	0		
5	QPSK	25	0	21.19	21.37	21.25				
5	16QAM	1	0	21.23	21.27	21.22				
5	16QAM	1	12	21.13	21.32	21.21				
5	16QAM	1	24	21.17	21.38	21.20				
5	16QAM	12	0	21.28	21.45	21.18	23	0		
5	16QAM	12	7	21.30	21.33	21.09				
5	16QAM	12	13	21.19	21.40	21.04				
5	16QAM	25	0	21.16	21.44	21.37				
5	64QAM	1	0	21.20	21.31	21.06				
5	64QAM	1	12	21.29	21.30	21.08	23	0		
5	64QAM	1	24	21.19	21.27	21.23				
5	64QAM	12	0	20.38	20.37	20.27				
5	64QAM	12	7	20.45	20.48	20.45				
5	64QAM	12	13	20.28	20.57	20.42				
5	64QAM	25	0	20.24	20.27	20.42	22	1		
Channel				18515	18900	19185				
Frequency (MHz)				1851.5	1880	1908.5	Tune-up limit (dBm)	MPR (dB)		
3	QPSK	1	0	21.22	21.45	21.30	23	0		
3	QPSK	1	8	21.03	21.20	21.10				
3	QPSK	1	14	21.20	21.12	21.15				
3	QPSK	8	0	21.27	21.33	21.17				
3	QPSK	8	4	21.01	21.31	21.06				
3	QPSK	8	7	21.12	21.33	21.15	23	0		
3	QPSK	15	0	21.17	21.39	21.40				
3	16QAM	1	0	21.19	21.36	21.22				
3	16QAM	1	8	21.15	21.33	21.21				
3	16QAM	1	14	21.27	21.16	21.20				
3	16QAM	8	0	21.32	21.49	21.24	23	0		
3	16QAM	8	4	21.05	21.46	21.25				
3	16QAM	8	7	21.07	21.47	21.15				
3	16QAM	15	0	21.35	21.38	21.44				
3	64QAM	1	0	21.11	21.27	21.18				
3	64QAM	1	8	21.06	21.40	21.06	23	0		
3	64QAM	1	14	21.26	21.27	21.18				
3	64QAM	8	0	20.32	20.22	20.28				
3	64QAM	8	4	20.34	20.46	20.52				
3	64QAM	8	7	20.36	20.44	20.36				
3	64QAM	15	0	20.36	20.49	20.26	22	1		
Channel				18607	18900	19193				
Frequency (MHz)				18507	18800	19093	Tune-up limit (dBm)	MPR (dB)		
1.4	QPSK	1	0	21.32	21.33	21.31	23	0		
1.4	QPSK	1	3	21.08	21.31	21.19				
1.4	QPSK	1	5	21.35	21.29	21.13				
1.4	QPSK	3	0	21.31	21.29	21.13				
1.4	QPSK	3	1	21.12	21.32	21.16				
1.4	QPSK	3	3	21.21	21.46	21.25	23	0		
1.4	QPSK	6	0	21.22	21.42	21.40				
1.4	16QAM	1	0	21.22	21.38	21.36				
1.4	16QAM	1	3	21.09	21.40	21.10				
1.4	16QAM	1	5	21.37	21.11	21.15				
1.4	16QAM	3	0	21.17	21.31	21.20	23	0		
1.4	16QAM	3	1	21.16	21.42	21.41				
1.4	16QAM	3	3	21.21	21.38	21.40				
1.4	16QAM	6	0	21.20	21.41	21.24				
1.4	64QAM	1	3	21.31	21.31	21.21				
1.4	64QAM	1	5	21.27	21.43	21.34	23	0		
1.4	64QAM	3	0	21.03	21.43	21.16				
1.4	64QAM	3	1	21.12	21.43	21.15				
1.4	64QAM	3	3	21.38	21.49	21.23				
1.4	64QAM	6	0	20.50	20.53	20.43				

Band 5 Ant1 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20450	20525	20600			
Frequency (MHz)				829.5	836.5	844.0			
10	QPSK	1	0	23.95	23.99	23.81	25.5	0	
10	QPSK	1	25	23.96	23.82	23.94			
10	QPSK	1	49	23.71	23.80	23.74			
10	QPSK	25	0	22.84	22.96	22.85	24.5	1	
10	QPSK	25	12	22.72	22.69	22.81			
10	QPSK	25	25	22.79	22.76	22.85			
10	QPSK	50	0	22.76	22.83	22.73	24.5	1	
10	16QAM	1	0	22.98	23.07	22.96			
10	16QAM	1	25	23.04	22.92	22.99			
10	16QAM	1	49	22.80	22.82	22.84	23.5	2	
10	16QAM	25	0	21.94	22.02	21.89			
10	16QAM	25	12	21.81	21.76	21.66			
10	16QAM	25	25	21.87	21.79	21.91	23.5	2	
10	16QAM	50	0	21.82	21.84	21.76			
10	64QAM	1	0	22.07	22.12	21.86			
10	64QAM	1	25	22.07	22.04	22.04	22.5	2	
10	64QAM	1	49	21.85	21.86	21.83			
10	64QAM	25	0	20.95	21.07	20.95			
10	64QAM	25	12	20.81	20.87	20.90	22.5	3	
10	64QAM	25	25	20.96	20.87	21.01			
10	64QAM	50	0	20.85	20.91	20.82			
Channel				829.5	836.5	846.5	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829.5	836.5	846.5			
5	QPSK	1	0	23.89	23.93	23.73	25.5	0	
5	QPSK	1	12	23.88	23.82	23.86			
5	QPSK	1	24	23.68	23.71	23.76			
5	QPSK	12	0	22.83	22.88	22.79	24.5	1	
5	QPSK	12	7	22.63	22.64	22.73			
5	QPSK	12	13	22.76	22.67	22.81			
5	QPSK	25	0	22.74	22.81	22.73	24.5	1	
5	16QAM	1	0	22.97	23.09	22.84			
5	16QAM	1	12	22.96	22.84	22.90			
5	16QAM	1	24	22.79	22.81	22.78	23.5	2	
5	16QAM	12	0	21.89	22.04	21.81			
5	16QAM	12	7	21.79	21.72	21.62			
5	16QAM	12	13	21.86	21.75	21.84	23.5	2	
5	16QAM	25	0	21.82	21.83	21.69			
5	64QAM	1	0	22.04	22.09	21.81			
5	64QAM	1	12	21.97	21.96	22.00	22.5	2	
5	64QAM	1	24	21.80	21.88	21.83			
5	64QAM	12	0	20.87	21.03	20.89			
5	64QAM	12	7	20.75	20.83	20.80	22.5	3	
5	64QAM	12	13	20.96	20.88	20.93			
5	64QAM	25	0	20.81	20.92	20.84			
Channel				829.5	836.5	846.5	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829.5	836.5	847.5			
3	QPSK	1	0	23.87	23.96	23.79	25.5	0	
3	QPSK	1	8	23.92	23.78	23.88			
3	QPSK	1	14	23.62	23.74	23.70			
3	QPSK	8	0	22.77	22.91	22.73	24.5	1	
3	QPSK	8	4	22.69	22.60	22.73			
3	QPSK	8	7	22.78	22.74	22.78			
3	QPSK	15	0	22.67	22.73	22.70	24.5	1	
3	16QAM	1	0	22.92	23.00	22.86			
3	16QAM	1	8	23.01	22.85	22.94			
3	16QAM	1	14	22.70	22.83	22.86	24.5	1	
3	16QAM	8	0	21.96	21.93	21.63			
3	16QAM	8	4	21.78	21.75	21.62			
3	16QAM	8	7	21.82	21.75	21.81	23.5	2	
3	16QAM	15	0	21.82	21.79	21.76			
3	64QAM	1	0	22.09	22.02	21.88			
3	64QAM	1	8	22.03	21.96	22.05	23.5	2	
3	64QAM	1	14	21.86	21.87	21.89			
3	64QAM	8	0	20.92	21.05	20.86			
3	64QAM	8	4	20.80	20.86	20.82	22.5	3	
3	64QAM	8	7	20.89	20.86	20.91			
3	64QAM	15	0	20.78	20.82	20.80			
Channel				824.7	836.5	848.3	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	23.86	23.95	23.72	25.5	0	
1.4	QPSK	1	3	23.87	23.80	23.85			
1.4	QPSK	1	5	23.64	23.74	23.65			
1.4	QPSK	3	0	23.82	23.94	23.83	24.5	1	
1.4	QPSK	3	1	23.64	23.61	23.51			
1.4	QPSK	3	3	23.73	23.74	23.78			
1.4	QPSK	6	0	22.71	22.83	22.67	24.5	1	
1.4	16QAM	1	0	22.90	23.04	22.87			
1.4	16QAM	1	3	23.01	22.94	23.00			
1.4	16QAM	1	5	22.70	22.73	22.78	24.5	1	
1.4	16QAM	3	0	22.95	22.98	22.86			
1.4	16QAM	3	1	22.80	22.67	22.80			
1.4	16QAM	3	3	22.85	22.75	22.88	23.5	2	
1.4	16QAM	6	0	21.80	21.76	21.72			
1.4	64QAM	1	0	22.03	22.13	21.82			
1.4	64QAM	1	3	22.00	21.97	22.03	23.5	2	
1.4	64QAM	1	5	21.84	21.84	21.88			
1.4	64QAM	3	0	21.92	22.05	21.88			
1.4	64QAM	3	1	21.74	21.87	21.91	22.5	3	
1.4	64QAM	3	3	21.92	21.78	21.99			
1.4	64QAM	6	0	20.77	20.82	20.75			

Band 7 Ant1 DS12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	22.44	22.55	22.23	24	0	
20	QPSK	1	49	22.45	22.23	22.44			
20	QPSK	1	99	22.12	22.31	22.15			
20	QPSK	50	0	22.31	22.43	22.41	24	0	
20	QPSK	50	24	22.30	22.41	22.36			
20	QPSK	50	50	22.17	22.36	22.10			
20	QPSK	100	0	22.34	22.36	22.22	24	0	
20	16QAM	1	0	22.48	22.50	22.28			
20	16QAM	1	49	22.42	22.41	22.26			
20	16QAM	1	99	22.22	22.15	22.28	23.5	0.5	
20	16QAM	50	0	21.87	22.03	21.76			
20	16QAM	50	24	21.87	22.05	21.66			
20	16QAM	50	50	21.90	21.77	21.92	23.5	0.5	
20	16QAM	100	0	21.62	21.91	21.63			
20	64QAM	1	0	21.91	21.83	21.78			
20	64QAM	1	49	22.04	21.82	22.06	22.5	1.5	
20	64QAM	1	99	21.61	21.88	21.76			
20	64QAM	50	0	21.01	21.12	20.79			
20	64QAM	50	24	20.88	21.06	20.77	22.5	1.5	
20	64QAM	50	50	20.91	20.70	20.99			
20	64QAM	100	0	20.95	20.73	20.76			
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	22.33	22.42	22.24	24	0	
15	QPSK	1	37	22.29	22.20	22.32			
15	QPSK	1	74	22.06	22.28	22.12			
15	QPSK	36	0	22.19	22.30	22.43	24	0	
15	QPSK	36	20	22.22	22.40	22.30			
15	QPSK	36	39	22.07	22.34	22.07			
15	QPSK	75	0	22.20	22.35	22.16	24	0	
15	16QAM	1	0	22.44	22.32	22.28			
15	16QAM	1	37	22.23	22.25	22.03			
15	16QAM	1	74	22.01	22.04	22.14	23.5	0.5	
15	16QAM	36	0	21.71	21.92	21.65			
15	16QAM	36	20	21.50	21.91	21.56			
15	16QAM	36	39	21.80	21.86	21.67	23.5	0.5	
15	16QAM	75	0	21.75	21.90	21.50			
15	64QAM	1	0	21.73	21.80	21.73			
15	64QAM	1	37	21.84	21.72	21.86	22.5	1.5	
15	64QAM	1	74	21.58	21.72	21.67			
15	64QAM	36	0	20.81	20.95	20.78			
15	64QAM	36	20	20.84	20.97	20.78	22.5	1.5	
15	64QAM	36	39	20.88	20.88	20.61			
15	64QAM	75	0	20.54	20.72	20.71			
Channel				20800	21100	21400			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	22.37	22.37	22.19	24	0	
10	QPSK	1	25	22.36	22.23	22.42			
10	QPSK	1	49	22.11	22.14	22.08			
10	QPSK	25	0	22.15	22.44	22.30	24	0	
10	QPSK	25	12	22.24	22.25	22.31			
10	QPSK	25	25	22.19	22.24	22.22			
10	QPSK	50	0	22.22	22.32	22.10	24	0	
10	16QAM	1	0	22.32	22.33	22.15			
10	16QAM	1	25	22.42	22.42	22.12			
10	16QAM	1	49	22.19	22.08	22.17	23.5	0.5	
10	16QAM	25	0	21.74	21.85	21.75			
10	16QAM	25	12	21.89	22.05	21.87			
10	16QAM	25	25	21.87	21.96	21.80	23.5	0.5	
10	16QAM	50	0	21.61	21.81	21.63			
10	64QAM	1	0	21.81	21.86	21.78			
10	64QAM	1	25	21.94	21.65	20.80	22.5	1.5	
10	64QAM	1	49	21.53	21.88	21.63			
10	64QAM	25	0	20.99	20.90	20.73			
10	64QAM	25	12	20.76	20.90	20.65	22.5	1.5	
10	64QAM	25	25	20.82	20.94	20.68			
10	64QAM	50	0	20.53	20.56	20.75			
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	22.40	22.54	22.25	24	0	
5	QPSK	1	12	22.27	22.17	22.25			
5	QPSK	1	24	22.11	22.30	22.07			
5	QPSK	12	0	22.22	22.30	22.07	24	0	
5	QPSK	12	7	22.18	22.18	22.42			
5	QPSK	12	13	22.15	22.35	22.25			
5	QPSK	25	0	22.27	22.23	22.03	24	0	
5	16QAM	1	0	22.38	22.32	22.20			
5	16QAM	1	12	22.35	22.39	22.26			
5	16QAM	1	24	22.16	22.16	22.13	23.5	0.5	
5	16QAM	12	0	21.80	21.97	21.61			
5	16QAM	12	7	21.87	21.94	21.50			
5	16QAM	12	13	21.90	21.74	21.73	22.5	1.5	
5	16QAM	25	0	21.62	21.70	21.50			
5	64QAM	1	0	21.71	21.83	21.72			
5	64QAM	1	12	21.89	21.76	21.99	23.5	0.5	
5	64QAM	1	24	21.50	21.79	21.64			
5	64QAM	12	0	20.92	20.96	20.60			
5	64QAM	12	7	20.81	20.88	20.88	22.5	1.5	
5	64QAM	12	13	20.57	20.70	20.94			
5	64QAM	25	0	20.57	20.69	20.57			

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

Band 41 Ant1 Default power										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	25.5	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.93	23.99	24.12	24.02	24.07	24.5	1
20	QPSK	1	49	23.83	23.90	23.97	23.91	23.92		
20	QPSK	1	99	23.81	23.84	23.91	23.76	23.78		
20	QPSK	50	0	22.97	23.01	23.08	22.93	22.95		
20	QPSK	50	24	22.95	22.96	23.07	22.95	22.98	24.5	1
20	QPSK	50	50	22.93	22.98	23.04	22.94	22.94		
20	QPSK	100	0	23.04	23.02	23.09	23.03	23.00		
20	16QAM	1	0	23.00	23.02	23.15	23.09	23.12		
20	16QAM	1	49	23.07	22.97	23.11	22.98	23.03	24.5	1
20	16QAM	1	99	22.87	22.88	23.01	22.94	22.87		
20	16QAM	50	0	21.95	21.98	22.09	22.04	21.99		
20	16QAM	50	24	22.02	21.96	22.08	21.94	21.95		
20	16QAM	50	50	21.98	21.92	22.05	21.99	21.92	23.5	2
20	16QAM	100	0	21.97	21.96	22.09	22.02	21.97		
20	64QAM	1	0	21.91	21.87	22.00	21.89	21.92		
20	64QAM	1	49	21.90	21.87	22.02	21.90	21.88		
20	64QAM	1	99	21.81	21.83	21.94	21.79	21.80	23.5	2
20	64QAM	50	0	21.00	20.90	21.04	20.95	21.00		
20	64QAM	50	24	20.88	20.82	20.97	20.86	20.89		
20	64QAM	50	50	20.93	20.91	21.03	20.93	20.98		
20	64QAM	100	0	20.92	20.89	21.00	20.89	20.93	22.5	3
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	23.81	23.87	24.03	23.95	23.94		
15	QPSK	1	37	23.73	23.82	23.87	23.83	23.79		
15	QPSK	1	74	23.69	23.75	23.79	23.72	23.70		
15	QPSK	36	0	22.92	22.94	23.00	22.83	22.80		
15	QPSK	36	20	22.82	22.84	23.02	22.84	22.94	24.5	1
15	QPSK	36	39	22.68	22.91	22.87	22.80	22.85		
15	QPSK	75	0	22.94	22.97	22.85	22.96	22.94		
15	16QAM	1	0	22.99	22.98	23.06	22.95	23.08		
15	16QAM	1	37	23.03	22.90	23.06	22.86	22.90	24.5	1
15	16QAM	1	74	22.81	22.83	22.90	22.89	22.83		
15	16QAM	36	0	21.86	21.94	22.01	21.92	21.93		
15	16QAM	36	20	21.67	21.90	21.97	21.85	21.86		
15	16QAM	36	39	21.88	21.85	21.94	21.92	21.77	23.5	2
15	16QAM	75	0	21.82	21.87	22.00	21.97	21.91		
15	64QAM	1	0	21.87	21.77	21.94	21.80	21.79		
15	64QAM	1	37	21.77	21.73	21.91	21.77	21.78		
15	64QAM	1	74	21.72	21.75	21.87	21.66	21.77	23.5	2
15	64QAM	36	0	20.87	20.78	20.90	20.89	20.94		
15	64QAM	36	20	20.83	20.74	20.87	20.79	20.83		
15	64QAM	36	39	20.86	20.83	20.95	20.80	20.90		
15	64QAM	75	0	20.85	20.78	20.88	20.74	20.89	22.5	3
Channel				39700	40160	40620	41080	41540		
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	23.86	23.94	24.00	23.89	23.96	25.50	0
10	QPSK	1	25	23.80	23.76	23.90	23.86	23.88		
10	QPSK	1	49	23.71	23.80	23.82	23.63	23.72		
10	QPSK	25	0	22.83	22.95	22.96	22.85	22.83		
10	QPSK	25	12	22.84	22.91	22.99	22.89	22.94	24.5	1
10	QPSK	25	25	22.87	22.85	22.93	22.88	22.91		
10	QPSK	50	0	22.96	22.93	22.99	23.00	22.93		
10	16QAM	1	0	22.87	22.95	23.02	22.97	23.02		
10	16QAM	1	49	22.99	22.85	23.03	22.86	22.88	24.5	1
10	16QAM	1	25	22.75	22.81	22.92	22.83	22.74		
10	16QAM	25	0	21.91	21.87	22.05	22.00	21.87		
10	16QAM	25	12	21.93	21.88	22.00	21.86	21.86		
10	16QAM	25	25	21.94	21.87	22.01	21.86	21.79	23.5	2
10	16QAM	50	0	21.82	21.88	22.03	21.91	21.94		
10	64QAM	1	0	21.86	21.78	21.88	21.83	21.86		
10	64QAM	1	25	21.77	21.77	21.87	21.78	21.78		
10	64QAM	1	49	21.77	21.74	21.89	21.64	21.72	23.5	2
10	64QAM	25	0	20.90	20.82	20.92	20.83	20.94		
10	64QAM	25	12	20.80	20.68	20.86	20.79	20.83		
10	64QAM	25	25	20.84	20.76	20.95	20.90	20.91		
10	64QAM	50	0	20.84	20.81	20.86	20.76	20.85	22.5	3
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	23.81	23.85	23.98	23.92	23.93	25.50	0
5	QPSK	1	12	23.79	23.85	23.88	23.82	23.78		
5	QPSK	1	24	23.73	23.77	23.80	23.68	23.69		
5	QPSK	12	0	22.84	22.89	22.98	22.78	22.82		
5	QPSK	12	7	22.81	22.88	23.01	22.84	22.91	24.5	1
5	QPSK	12	13	22.86	22.88	22.92	22.81	22.85		
5	QPSK	25	0	22.95	22.89	23.05	22.99	22.94		
5	16QAM	1	0	22.90	22.98	23.02	23.01	22.98		
5	16QAM	1	12	22.96	22.91	23.04	22.87	22.90	24.5	1
5	16QAM	1	24	22.73	22.78	22.96	22.89	22.78		
5	16QAM	12	0	21.88	21.91	22.01	21.92	21.93		
5	16QAM	12	7	21.90	21.89	22.00	21.80	21.87		
5	16QAM	12	13	21.92	21.83	21.97	21.94	21.85	23.5	2
5	16QAM	25	0	21.92	21.81	22.02	21.92	21.89		
5	64QAM	1	0	21.88	21.74	21.91	21.83	21.85		
5	64QAM	1	12	21.85	21.78	21.96	21.80	21.81		
5	64QAM	1	24	21.71	21.75	21.88	21.65	21.74	23.5	2
5	64QAM	12	0	20.89	20.77	20.97	20.85	20.91		
5	64QAM	12	7	20.73	20.76	20.92	20.80	20.79		
5	64QAM	12	13	20.83	20.82	20.95	20.79	20.94		
5	64QAM	25	0	20.81	20.76	20.93	20.77	20.86	22.5	3

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

Band 38 Ant2 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	20.5	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	19.34	19.52	19.47	20.5	0	
20	QPSK	1	49	19.14	19.18	19.16			
20	QPSK	1	99	19.06	19.37	19.40			
20	QPSK	50	0	19.32	19.48	19.46			
20	QPSK	50	24	19.26	19.06	19.32			
20	QPSK	50	50	19.16	19.30	19.31	20.5	0	
20	QPSK	100	0	19.28	19.36	19.17			
20	16QAM	1	0	19.10	19.11	19.26			
20	16QAM	1	49	19.02	19.42	19.21			
20	16QAM	1	99	19.37	19.48	19.29			
20	16QAM	50	0	19.15	19.10	19.26	20.5	0	
20	16QAM	50	24	19.07	19.37	19.24			
20	16QAM	50	50	19.40	19.35	19.40			
20	16QAM	100	0	19.31	19.11	19.35			
20	64QAM	1	0	19.07	19.33	19.44			
20	64QAM	1	49	19.37	19.31	19.27	20.5	0	
20	64QAM	1	99	19.20	19.23	19.22			
20	64QAM	50	0	19.18	19.32	19.38			
20	64QAM	50	24	19.29	19.40	19.30			
20	64QAM	50	50	19.31	19.26	19.18			
20	64QAM	100	0	19.20	19.43	19.36	20.5	0	
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	19.17	19.16	19.31	20.5	0	
15	QPSK	1	37	18.96	18.99	19.10			
15	QPSK	1	74	19.06	19.38	19.29			
15	QPSK	36	0	19.23	19.42	19.28			
15	QPSK	36	20	19.27	18.97	19.29			
15	QPSK	36	39	19.15	19.11	19.22	20.5	0	
15	QPSK	75	0	19.30	19.31	19.32			
15	16QAM	1	0	19.10	19.01	19.06			
15	16QAM	1	37	18.99	19.25	19.07			
15	16QAM	1	74	19.34	19.44	19.08			
15	16QAM	36	0	19.09	18.97	19.22	20.5	0	
15	16QAM	36	20	19.02	19.29	19.09			
15	16QAM	36	39	19.24	19.37	19.36			
15	16QAM	75	0	19.27	19.06	19.22			
15	64QAM	1	0	18.94	19.28	19.23			
15	64QAM	1	37	19.24	19.16	19.09	20.5	0	
15	64QAM	1	74	19.05	19.18	19.04			
15	64QAM	36	0	19.08	19.19	19.18			
15	64QAM	36	20	19.27	19.26	19.23			
15	64QAM	36	39	19.16	19.27	19.14			
15	64QAM	75	0	19.14	19.29	19.32	20.5	0	
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	19.29	19.26	19.30	20.5	0	
10	QPSK	1	25	18.97	18.99	19.01			
10	QPSK	1	49	19.05	19.39	19.19			
10	QPSK	25	0	19.29	19.36	19.32			
10	QPSK	25	12	19.08	18.93	19.24			
10	QPSK	25	25	18.99	19.29	19.29	20.5	0	
10	QPSK	50	0	19.28	19.14	19.37			
10	16QAM	1	0	18.99	19.08	19.11			
10	16QAM	1	25	19.00	19.32	19.04			
10	16QAM	1	49	19.34	19.31	19.28			
10	16QAM	25	0	19.12	19.08	19.12	20.5	0	
10	16QAM	25	12	18.87	19.18	19.24			
10	16QAM	25	25	19.23	19.31	19.19			
10	16QAM	50	0	19.15	18.99	19.19			
10	64QAM	1	0	19.08	19.23	19.36			
10	64QAM	1	25	19.32	19.18	19.23	20.5	0	
10	64QAM	1	49	19.11	19.17	19.05			
10	64QAM	25	0	18.99	19.33	19.37			
10	64QAM	25	12	19.21	19.33	19.11			
10	64QAM	25	25	19.23	19.18	19.02			
10	64QAM	50	0	19.16	19.29	19.32	20.5	0	
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5	20.5	0	
5	QPSK	1	0	19.22	19.35	19.28			
5	QPSK	1	12	19.15	19.11	19.11	20.5	0	
5	QPSK	1	24	19.05	19.36	19.20			
5	QPSK	12	0	19.32	19.51	19.38			
5	QPSK	12	7	19.21	19.07	19.13			
5	QPSK	12	13	19.02	19.10	19.13			
5	QPSK	25	0	19.20	19.18	19.35	20.5	0	
5	16QAM	1	0	19.01	19.08	19.06			
5	16QAM	1	12	18.87	19.28	19.15			
5	16QAM	1	24	19.28	19.36	19.12			
5	16QAM	12	0	19.07	19.02	19.18			
5	16QAM	12	7	18.88	19.21	19.22	20.5	0	
5	16QAM	12	13	19.19	19.34	19.24			
5	16QAM	25	0	19.32	19.12	19.31			
5	64QAM	1	0	18.96	19.31	19.35			
5	64QAM	1	12	19.33	19.29	19.21			
5	64QAM	1	24	19.01	19.17	19.02	20.5	0	
5	64QAM	12	0	19.12	19.16	19.32			
5	64QAM	12	7	19.21	19.32	19.16			
5	64QAM	12	13	19.32	19.10	19.15			
5	64QAM	25	0	19.03	19.23	19.32			
Channel				37750	38000	38250	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2570	2595	2620	20.5	0	
5	QPSK	1	0	19.22	19.35	19.28			
5	QPSK	1	12	19.15	19.11	19.11	20.5	0	
5	QPSK	1	24	19.05	19.36	19.20			
5	QPSK	12	0	19.32	19.51	19.38			
5	QPSK	12	7	19.21	19.07	19.13			
5	QPSK	12	13	19.02	19.10	19.13			
5	QPSK	25	0	19.20	19.18	19.35	20.5	0	
5	16QAM	1	0	19.01	19.08	19.06			
5	16QAM	1	12	18.87	19.28	19.15			
5	16QAM	1	24	19.28	19.36	19.12			
5	16QAM	12	0	19.07	19.02	19.18			
5	16QAM	12	7	18.88	19.21	19.22	20.5	0	
5	16QAM	12	13	19.19	19.34	19.24			
5	16QAM	25	0	19.32	19.12	19.31			
5	64QAM	1	0	18.96	19.31	19.35			
5	64QAM	1	12	19.33	19.29	19.21			
5	64QAM	1	24	19.01	19.17	19.02	20.5	0	
5	64QAM	12	0	19.12	19.16	19.32			
5	64QAM	12	7	19.21	19.32	19.16			
5	64QAM	12	13	19.32	19.10	19.15			
5	64QAM	25	0	19.03	19.23	19.32			

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

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

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

Band 2 Ant4 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				1870	1890	1910	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1880	1900	1920			
20	QPSK	1	0	24.24	24.24	24.26	25	0	
20	QPSK	1	49	24.14	24.12	24.25			
20	QPSK	1	99	24.05	24.02	24.15			
20	QPSK	50	0	23.19	23.23	23.21			
20	QPSK	50	24	23.15	23.16	23.12			
20	QPSK	50	50	23.05	23.09	23.08	24	1	
20	QPSK	100	0	23.10	23.20	23.05			
20	16QAM	1	0	23.10	23.12	23.11			
20	16QAM	1	49	23.04	23.06	23.08			
20	16QAM	1	99	23.01	22.97	22.97			
20	16QAM	50	0	22.27	22.28	22.37	23	2	
20	16QAM	50	24	22.00	22.30	22.10			
20	16QAM	50	50	22.12	22.08	22.19			
20	16QAM	100	0	21.70	21.85	21.70			
20	64QAM	1	0	22.18	22.21	22.29			
20	64QAM	1	49	21.93	22.22	22.03	23	2	
20	64QAM	1	99	22.08	21.98	22.08			
20	64QAM	50	0	21.43	21.48	21.51			
20	64QAM	50	24	21.45	21.49	21.43			
20	64QAM	50	50	21.37	21.34	21.69			
20	64QAM	100	0	21.35	21.40	21.39	22	3	
Channel				1867.5	1890	1912.5			
Frequency (MHz)				1857.5	1880	1902.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	24.17	24.11	24.07	25	0	
15	QPSK	1	37	24.08	24.04	24.14			
15	QPSK	1	74	23.94	23.95	24.06			
15	QPSK	36	0	23.09	23.12	23.10			
15	QPSK	36	20	23.01	23.10	23.00			
15	QPSK	36	39	22.91	22.98	22.92	24	1	
15	QPSK	75	0	22.98	23.12	22.92			
15	16QAM	1	0	22.98	22.98	23.00			
15	16QAM	1	37	22.94	22.96	23.02			
15	16QAM	1	74	22.88	22.89	22.82			
15	16QAM	36	0	22.18	22.14	22.25	23	2	
15	16QAM	36	20	21.85	22.20	21.95			
15	16QAM	36	39	22.00	22.00	22.08			
15	16QAM	75	0	21.58	21.74	21.63			
15	64QAM	1	0	22.07	22.08	22.18			
15	64QAM	1	37	21.86	22.10	21.90	23	2	
15	64QAM	1	74	21.99	21.84	21.96			
15	64QAM	36	0	21.38	21.36	21.40			
15	64QAM	36	20	21.38	21.39	21.30			
15	64QAM	36	39	21.28	21.28	21.56			
15	64QAM	75	0	21.30	21.36	21.35	22	3	
Channel				1865.0	1890	1915.0			
Frequency (MHz)				1855	1880	1905	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	24.10	24.17	24.08	25	0	
10	QPSK	1	25	24.08	24.03	24.18			
10	QPSK	1	49	23.97	23.96	24.07			
10	QPSK	25	0	23.12	23.13	23.10			
10	QPSK	25	12	23.04	23.04	22.98			
10	QPSK	25	25	22.93	22.96	22.99	24	1	
10	QPSK	50	0	22.96	23.12	22.97			
10	16QAM	1	0	22.97	22.98	23.02			
10	16QAM	1	25	22.93	22.93	23.00			
10	16QAM	1	49	22.91	22.86	22.86			
10	16QAM	25	0	22.13	22.19	22.28	23	2	
10	16QAM	25	12	21.94	22.16	21.98			
10	16QAM	25	25	22.05	21.97	22.10			
10	16QAM	50	0	21.81	21.73	21.82			
10	64QAM	1	0	22.13	22.14	22.23			
10	64QAM	1	25	21.87	22.12	21.93	23	2	
10	64QAM	1	49	21.99	21.87	22.02			
10	64QAM	25	0	21.31	21.34	21.42			
10	64QAM	25	12	21.36	21.42	21.29			
10	64QAM	25	25	21.32	21.42	21.56			
10	64QAM	50	0	21.30	21.35	21.33	22	3	
Channel				1862.5	1890	1917.5			
Frequency (MHz)				1852.5	1880	1907.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	24.12	24.11	24.06	25	0	
5	QPSK	1	12	24.09	23.99	24.14			
5	QPSK	1	24	23.95	23.90	24.03			
5	QPSK	12	0	23.10	23.14	23.18			
5	QPSK	12	7	23.01	23.05	22.97			
5	QPSK	12	13	22.98	23.02	22.94	24	1	
5	QPSK	25	0	23.00	23.06	23.00			
5	16QAM	1	0	23.01	22.98	23.01			
5	16QAM	1	12	22.95	22.93	23.00			
5	16QAM	1	24	22.94	22.82	22.87			
5	16QAM	12	0	22.13	22.18	22.27	23	2	
5	16QAM	12	7	21.80	22.24	21.98			
5	16QAM	12	13	22.03	22.00	22.07			
5	16QAM	25	0	21.63	21.78	21.64			
5	64QAM	1	0	22.10	22.12	22.19			
5	64QAM	1	12	21.88	22.10	21.92	23	2	
5	64QAM	1	24	22.00	21.86	22.01			
5	64QAM	12	0	21.37	21.40	21.45			
5	64QAM	12	7	21.32	21.43	21.36			
5	64QAM	12	13	21.25	21.39	21.55			
5	64QAM	25	0	21.30	21.34	21.35	22	3	
Channel				1861.5	1890	1918.5			
Frequency (MHz)				1851.5	1880	1908.5	Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	24.18	24.13	24.14	25	0	
3	QPSK	1	8	24.06	24.02	24.14			
3	QPSK	1	14	23.92	23.91	24.01			
3	QPSK	8	0	23.13	23.16	23.18			
3	QPSK	8	4	23.06	23.02	23.06			
3	QPSK	8	7	22.99	22.96	23.02	24	1	
3	QPSK	15	0	23.01	23.12	22.92			
3	16QAM	1	0	23.03	22.99	23.03			
3	16QAM	1	8	22.96	22.98	22.94			
3	16QAM	1	14	22.95	22.87	22.85			
3	16QAM	8	0	22.16	22.17	22.27	23	2	
3	16QAM	8	4	21.93	22.19	22.04			
3	16QAM	8	7	21.98	21.94	22.07			
3	16QAM	15	0	21.84	21.75	21.64			
3	64QAM	1	0	22.07	22.14	22.15			
3	64QAM	1	8	21.87	22.12	21.95	23	2	
3	64QAM	1	14	22.00	21.92	21.94			
3	64QAM	8	0	21.37	21.39	21.36			
3	64QAM	8	4	21.34	21.38	21.28			
3	64QAM	8	7	21.29	21.23	21.55			
3	64QAM	15	0	21.31	21.34	21.34	22	3	
Channel				1860.7	1890	1919.3			
Frequency (MHz)				1850.7	1880	1909.3	Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	24.14	24.17	24.13	25	0	
1.4	QPSK	1	3	24.05	23.98	24.17			
1.4	QPSK	1	5	23.98	23.92	24.07			
1.4	QPSK	3	0	24.13	24.07	24.13			
1.4	QPSK	3	1	24.06	24.11	23.98			
1.4	QPSK	3	3	23.96	24.03	23.94	24	1	
1.4	QPSK	6	0	23.05	23.13	22.98			
1.4	16QAM	1	0	22.97	22.98	23.04			
1.4	16QAM	1	3	22.94	22.98	22.94			
1.4	16QAM	1	5	22.92	22.91	22.85			
1.4	16QAM	3	0	23.17	23.13	23.32	23	2	
1.4	16QAM	3	1	22.83	23.16	22.97			
1.4	16QAM	3	3	22.98	22.98	23.11			
1.4	16QAM	6	0	21.61	21.79	21.61	23	2	
1.4	64QAM	1	0	22.04	22.08	22.20			
1.4	64QAM	1	3	21.85	22.09	21.97			
1.4	64QAM	1	5	22.02	21.87	22.19	23	2	
1.4	64QAM	3	0	22.34	22.42	22.43			
1.4	64QAM	3	1	22.34	22.41	22.35			
1.4	64QAM	3	3	22.26	22.29	22.56	23	2	
1.4	64QAM	6	0	21.30	21.35	21.34			

Band 5 Ant4 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20450	20525	20600	25.5	0	
Frequency (MHz)				829	835	841			
10	QPSK	1	0	24.15	24.24	24.16	24.5	1	
10	QPSK	1	25	24.00	23.96	24.03			
10	QPSK	1	49	23.92	23.79	23.97			
10	QPSK	25	0	22.96	23.13	23.10			
10	QPSK	25	12	22.96	22.96	22.96	24.5	1	
10	QPSK	25	25	22.86	22.85	22.89			
10	QPSK	50	0	22.96	23.09	22.92			
10	16QAM	1	0	22.86	22.90	22.86			
10	16QAM	1	25	22.90	22.85	22.90	24.5	1	
10	16QAM	1	49	22.80	22.83	22.75			
10	16QAM	25	0	22.06	22.13	22.21			
10	16QAM	25	12	21.86	22.13	21.95			
10	16QAM	25	25	21.97	21.87	22.04	23.5	2	
10	16QAM	50	0	21.99	21.64	22.13			
10	64QAM	1	0	22.00	22.05	22.07			
10	64QAM	1	25	21.77	22.04	21.83			
10	64QAM	1	49	21.92	21.81	21.90	23.5	2	
10	64QAM	1	25	21.21	21.07	21.37			
10	64QAM	25	12	21.30	21.34	21.29			
10	64QAM	25	25	21.19	21.15	21.51			
10	64QAM	50	0	20.83	20.84	20.70	22.5	3	
Channel				20425	20525	20625			
Frequency (MHz)				829.5	836.5	846.5			
5	QPSK	1	0	23.96	24.11	24.00	25.5	0	
5	QPSK	1	12	23.84	23.79	23.93			
5	QPSK	1	24	23.76	23.61	23.79			
5	QPSK	12	0	22.83	22.93	22.95			
5	QPSK	12	7	22.79	22.83	22.88	24.5	1	
5	QPSK	12	13	22.70	22.86	22.76			
5	QPSK	25	0	22.94	22.93	22.79			
5	16QAM	1	0	22.77	22.77	22.78			
5	16QAM	1	12	22.71	22.66	22.72	24.5	1	
5	16QAM	1	24	22.64	22.67	22.64			
5	16QAM	12	0	21.90	21.96	22.04			
5	16QAM	12	7	21.71	21.96	21.76			
5	16QAM	12	13	21.81	21.74	21.89	23.5	2	
5	16QAM	25	0	22.04	22.10	22.09			
5	64QAM	1	0	21.86	21.87	21.92			
5	64QAM	1	12	21.57	21.87	21.71			
5	64QAM	1	24	21.80	21.64	21.74	23.5	2	
5	64QAM	12	0	21.02	20.88	21.27			
5	64QAM	12	7	21.12	21.17	21.16			
5	64QAM	12	13	21.06	20.96	21.34			
5	64QAM	25	0	20.64	20.73	20.51	22.5	3	
Channel				20415	20525	20635			
Frequency (MHz)				829.5	836.5	847.5			
3	QPSK	1	0	23.96	24.07	23.99	25.5	0	
3	QPSK	1	8	23.88	23.82	23.89			
3	QPSK	1	14	23.77	23.68	23.82			
3	QPSK	8	0	22.86	22.96	22.91			
3	QPSK	8	4	22.86	22.76	22.88	24.5	1	
3	QPSK	8	7	22.70	22.84	22.73			
3	QPSK	15	0	22.68	22.95	22.76			
3	16QAM	1	0	22.68	22.70	22.70			
3	16QAM	1	8	22.77	22.69	22.79	24.5	1	
3	16QAM	1	14	22.61	22.69	22.59			
3	16QAM	8	0	21.87	22.01	22.11			
3	16QAM	8	4	21.73	21.95	21.80			
3	16QAM	8	7	21.62	21.68	21.61	23.5	2	
3	16QAM	15	0	22.06	22.23	22.09			
3	64QAM	1	0	21.86	21.90	21.93			
3	64QAM	1	8	21.60	21.85	21.70			
3	64QAM	1	14	21.80	21.67	21.76	23.5	2	
3	64QAM	8	0	21.02	20.89	21.27			
3	64QAM	8	4	21.17	21.17	21.10			
3	64QAM	8	7	21.06	21.02	21.38			
3	64QAM	15	0	20.71	20.69	20.90	22.5	3	
Channel				20407	20525	20643			
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	23.95	24.07	24.05	25.5	0	
1.4	QPSK	1	3	23.87	23.81	23.90			
1.4	QPSK	1	5	23.80	23.62	23.83			
1.4	QPSK	3	0	23.78	23.96	23.95			
1.4	QPSK	3	1	23.77	23.84	23.98	24.5	1	
1.4	QPSK	3	3	23.72	23.75	23.72			
1.4	QPSK	6	0	22.72	22.93	22.78			
1.4	16QAM	1	0	22.70	22.74	22.74			
1.4	16QAM	1	3	22.71	22.69	22.78	24.5	1	
1.4	16QAM	1	5	22.67	22.67	22.58			
1.4	16QAM	3	0	22.93	23.03	23.10			
1.4	16QAM	3	1	22.68	22.85	22.80			
1.4	16QAM	3	3	22.86	22.67	22.92	23.5	2	
1.4	16QAM	6	0	22.00	22.21	22.04			
1.4	64QAM	1	0	21.90	21.92	21.96			
1.4	64QAM	1	3	21.61	21.93	21.71			
1.4	64QAM	1	5	21.80	21.62	21.78	23.5	2	
1.4	64QAM	3	0	22.10	21.90	22.24			
1.4	64QAM	3	1	22.13	22.17	22.16			
1.4	64QAM	3	3	22.06	22.02	22.40			
1.4	64QAM	6	0	20.69	20.68	20.52	22.5	3	

Band 7 Ant4 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350	25.5	0	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	23.79	23.95	23.83	24.5	1	
20	QPSK	1	49	23.74	23.72	23.70			
20	QPSK	1	99	23.59	23.67	23.64			
20	QPSK	50	0	22.63	22.72	22.69			
20	QPSK	50	24	22.62	22.66	22.65	24.5	1	
20	QPSK	50	50	22.59	22.62	22.61			
20	QPSK	100	0	22.61	22.86	22.85			
20	16QAM	1	0	22.96	22.90	22.97			
20	16QAM	1	49	22.79	22.88	22.81	24.5	1	
20	16QAM	1	99	22.70	22.83	22.76			
20	16QAM	50	0	21.75	21.84	21.80			
20	16QAM	50	24	21.66	21.69	21.67			
20	16QAM	50	50	21.69	21.75	21.64	23.5	2	
20	16QAM	100	0	21.75	21.81	21.70			
20	64QAM	1	0	21.94	22.04	22.09			
20	64QAM	1	49	21.95	22.03	21.86			
20	64QAM	1	99	21.83	21.94	21.81	23.5	2	
20	64QAM	50	0	20.90	20.99	20.86			
20	64QAM	50	24	20.77	20.76	20.70			
20	64QAM	50	50	20.75	20.82	20.71			
20	64QAM	100	0	20.88	20.94	20.77	22.5	3	
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	23.80	23.81	23.78	25.5	0	
15	QPSK	1	37	23.66	23.71	23.67			
15	QPSK	1	74	23.57	23.64	23.64			
15	QPSK	36	0	22.62	22.71	22.65			
15	QPSK	36	20	22.58	22.56	22.66	24.5	1	
15	QPSK	36	39	22.59	22.63	22.54			
15	QPSK	75	0	22.57	22.88	22.87			
15	16QAM	1	0	22.77	22.88	22.94			
15	16QAM	1	37	22.71	22.83	22.81	24.5	1	

Band 38 Ant4 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	25.5	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	23.84	23.86	23.83	24.5	1	
20	QPSK	1	49	23.78	23.79	23.81			
20	QPSK	1	99	23.80	23.83	23.77			
20	QPSK	50	0	22.78	22.83	22.76			
20	QPSK	50	24	22.71	22.76	22.79	24.5	1	
20	QPSK	50	50	22.75	22.70	22.72			
20	QPSK	100	0	22.61	22.74	22.72			
20	16QAM	1	0	22.92	22.94	22.96			
20	16QAM	1	49	22.91	22.89	22.96	24.5	1	
20	16QAM	1	99	22.88	22.94	22.92			
20	16QAM	50	0	21.88	21.95	21.86			
20	16QAM	50	24	21.77	21.92	21.91			
20	16QAM	50	50	21.88	21.84	21.84	23.5	2	
20	16QAM	100	0	21.76	21.87	21.88			
20	64QAM	1	0	21.96	22.01	22.10			
20	64QAM	1	49	21.98	21.97	22.11			
20	64QAM	1	99	22.03	22.02	22.05	23.5	2	
20	64QAM	50	0	20.96	21.09	20.94			
20	64QAM	50	24	20.83	21.00	21.00			
20	64QAM	50	50	21.02	20.93	20.90			
20	64QAM	100	0	20.84	21.03	21.01	22.5	3	
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	23.82	23.84	23.82	25.5	0	
15	QPSK	1	37	23.76	23.78	23.75			
15	QPSK	1	74	23.74	23.81	23.77			
15	QPSK	36	0	22.78	22.73	22.71			
15	QPSK	36	20	22.73	22.68	22.79	24.5	1	
15	QPSK	36	39	22.71	22.71	22.70			
15	QPSK	75	0	22.61	22.72	22.73			
15	16QAM	1	0	22.92	22.90	22.91			
15	16QAM	1	37	22.86	22.86	22.98	24.5	1	
15	16QAM	1	74	22.81	22.84	22.85			
15	16QAM	36	0	21.81	21.88	21.85			
15	16QAM	36	20	21.69	21.85	21.89			
15	16QAM	36	39	21.79	21.84	21.82	23.5	2	
15	16QAM	75	0	21.75	21.88	21.87			
15	64QAM	1	0	21.95	21.99	22.02			
15	64QAM	1	37	21.94	21.90	22.11			
15	64QAM	1	74	22.00	22.00	21.96	23.5	2	
15	64QAM	36	0	20.94	21.03	20.93			
15	64QAM	36	20	20.76	20.97	21.00			
15	64QAM	36	39	20.95	20.84	20.90			
15	64QAM	75	0	20.80	20.96	20.98	22.5	3	
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	23.79	23.80	23.76	25.5	0	
10	QPSK	1	25	23.78	23.78	23.82			
10	QPSK	1	49	23.75	23.82	23.72			
10	QPSK	25	0	22.78	22.75	22.72			
10	QPSK	25	12	22.65	22.70	22.70	24.5	1	
10	QPSK	25	25	22.69	22.66	22.74			
10	QPSK	50	0	22.53	22.68	22.66			
10	16QAM	1	0	22.88	22.87	22.96			
10	16QAM	1	25	22.84	22.85	22.97	24.5	1	
10	16QAM	1	49	22.86	22.95	22.94			
10	16QAM	25	0	21.80	21.93	21.83			
10	16QAM	25	12	21.68	21.85	21.87			
10	16QAM	25	25	21.87	21.84	21.79	23.5	2	
10	16QAM	50	0	21.74	21.85	21.83			
10	64QAM	1	0	21.90	21.94	22.07			
10	64QAM	1	25	21.92	21.96	22.11			
10	64QAM	1	49	21.97	22.00	21.99	23.5	2	
10	64QAM	25	0	20.87	21.11	20.96			
10	64QAM	25	12	20.74	20.92	21.01			
10	64QAM	25	25	20.96	20.85	20.89			
10	64QAM	50	0	20.78	21.01	21.00	22.5	3	
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	23.84	23.79	23.78	25.5	0	
5	QPSK	1	12	23.77	23.81	23.81			
5	QPSK	1	24	23.80	23.77	23.73			
5	QPSK	12	0	22.75	22.80	22.76			
5	QPSK	12	7	22.65	22.73	22.77	24.5	1	
5	QPSK	12	13	22.76	22.67	22.71			
5	QPSK	25	0	22.60	22.68	22.72			
5	16QAM	1	0	22.89	22.89	22.98			
5	16QAM	1	12	22.92	22.81	22.88	24.5	1	
5	16QAM	1	24	22.89	22.90	22.85			
5	16QAM	12	0	21.84	21.88	21.82			
5	16QAM	12	7	21.68	21.83	21.90			
5	16QAM	12	13	21.80	21.79	21.76	23.5	2	
5	16QAM	25	0	21.69	21.87	21.89			
5	64QAM	1	0	21.89	21.97	22.05			
5	64QAM	1	12	21.98	21.95	22.11			
5	64QAM	1	24	21.96	21.95	22.02	23.5	2	
5	64QAM	12	0	20.97	21.10	20.92			
5	64QAM	12	7	20.84	21.01	20.92			
5	64QAM	12	13	20.94	20.92	20.81			
5	64QAM	25	0	20.80	20.99	20.97	22.5	3	

Band 41 Ant4 Default power											
BW [MHz]	Modulation	RB Size	RB Offset	for IC Power Low Ch. / Freq.	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	39750	40185	40620	41055	41490	25.5	0
Frequency (MHz)				2510	2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.93	23.86	23.87	23.96	23.73	23.88	24.5	1
20	QPSK	1	49	23.72	23.66	23.70	23.77	23.65	23.71		
20	QPSK	1	99	23.66	23.67	23.69	23.71	23.67	23.65		
20	QPSK	50	0	22.91	22.88	22.86	22.94	22.81	22.87		
20	QPSK	50	24	22.86	22.80	22.76	22.90	22.84	22.86	24.5	1
20	QPSK	50	50	22.79	22.79	22.72	22.83	22.69	22.78		
20	QPSK	100	0	22.82	22.79	22.87	22.91	22.76	22.77		
20	16QAM	1	0	22.98	23.03	23.02	23.04	23.00	22.95	24.5	1
20	16QAM	1	49	22.87	22.90	22.92	23.01	22.87	22.88		
20	16QAM	1	99	22.67	22.71	22.78	22.75	22.74	22.72		
20	16QAM	50	0	21.91	21.92	21.89	21.98	21.90	21.84		
20	16QAM	50	24	21.70	21.80	21.77	21.84	21.72	21.81	23.5	2
20	16QAM	50	50	21.77	21.74	21.69	21.83	21.69	21.76		
20	16QAM	100	0	21.80	21.75	21.79	21.87	21.80	21.77		
20	64QAM	1	0	21.68	21.67	21.71	21.77	21.74	21.63		
20	64QAM	1	49	21.70	21.70	21.73	21.84	21.79	21.78	23.5	2
20	64QAM	1	99	21.60	21.69	21.68	21.74	21.67	21.66		
20	64QAM	50	0	20.81	20.80	20.79	20.94	20.80	20.82		
20	64QAM	50	24	20.75	20.67	20.73	20.79	20.71	20.65		
20	64QAM	50	50	20.71	20.76	20.73	20.81	20.68	20.72	22.5	3
20	64QAM	100	0	20.80	20.75	20.79	20.83	20.73	20.79		
Channel				39765	39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	23.87	23.80	23.79	23.86	23.63	23.84	25.50	0
15	QPSK	1	37	23.65	23.61	23.57	23.69	23.60	23.57		
15	QPSK	1	74	23.57	23.62	23.64	23.63	23.59	23.53		
15	QPSK	36	0	22.80	22.85	22.77	22.82	22.73	22.83		
15	QPSK	36	20	22.75	22.67	22.61	22.79	22.73	22.74	24.5	1
15	QPSK	36	39	22.69	22.70	22.63	22.70	22.58	22.75		
15	QPSK	75	0	22.71	22.67	22.74	22.86	22.62	22.71		
15	16QAM	1	0	22.94	22.90	22.92	22.95	22.86	22.89		
15	16QAM	1	37	22.75	22.77	22.85	22.90	22.82	22.79	24.5	1
15	16QAM	1	74	22.63	22.66	22.56	22.72	22.66	22.68		
15	16QAM	36	0	21.84	21.78	21.81	21.84	21.77	21.77		
15	16QAM	36	20	21.64	21.71	21.66	21.70	21.60	21.74		
15	16QAM	36	39	21.63	21.63	21.56	21.77	21.65	21.67	23.5	2
15	16QAM	75	0	21.71	21.69	21.67	21.80	21.73	21.68		
15	64QAM	1	0	21.64	21.54	21.61	21.64	21.64	21.60		
15	64QAM	1	37	21.65	21.56	21.63	21.71	21.68	21.68		
15	64QAM	1	74	21.59	21.59	21.54	21.67	21.56	21.61	23.5	2
15	64QAM	36	0	20.67	20.68	20.72	20.90	20.73	20.78		
15	64QAM	36	20	20.61	20.60	20.68	20.71	20.59	20.59		
15	64QAM	36	39	20.63	20.64	20.64	20.71	20.60	20.66		
15	64QAM	75	0	20.76	20.65	20.73	20.77	20.61	20.75	22.5	3
Channel				39740	39700	40160	40620	41080	41540		
Frequency (MHz)				2505	2501	2547	2593	2639	2685		
10	QPSK	1	0	23.79	23.72	23.82	23.81	23.62	23.74	25.50	0
10	QPSK	1	25	23.63	23.58	23.61	23.67	23.55	23.60		
10	QPSK	1	49	23.56	23.55	23.56	23.66	23.59	23.59		
10	QPSK	25	0	22.81	22.79	22.75	22.84	22.68	22.78		
10	QPSK	25	12	22.82	22.66	22.73	22.85	22.81	22.81	24.5	1
10	QPSK	25	25	22.73	22.67	22.66	22.72	22.60	22.67		
10	QPSK	50	0	22.68	22.72	22.73	22.86	22.64	22.69		
10	16QAM	1	0	22.89	22.88	22.94	22.95	22.93	22.91		
10	16QAM	1	25	22.72	22.87	22.81	22.95	22.79	22.83	24.5	1
10	16QAM	1	49	22.61	22.68	22.60	22.70	22.58	22.59		
10	16QAM	25	0	21.77	21.77	21.77	21.86	21.76	21.78		
10	16QAM	25	12	21.60	21.71	21.70	21.76	21.60	21.66		
10	16QAM	25	25	21.64	21.63	21.57	21.80	21.58	21.69	23.5	2
10	16QAM	50	0	21.68	21.69	21.67	21.81	21.67	21.70		
10	64QAM	1	0	21.56	21.54	21.59	21.68	21.63	21.60		
10	64QAM	1	25	21.64	21.55	21.67	21.71	21.71	21.70		
10	64QAM	1	49	21.52	21.65	21.62	21.64	21.62	21.62	23.5	2
10	64QAM	25	0	20.78	20.72	20.64	20.89	20.77	20.74		
10	64QAM	25	12	20.72	20.55	20.62	20.72	20.66	20.54		
10	64QAM	25	25	20.64	20.63	20.61	20.70	20.64	20.63		
10	64QAM	50	0	20.70	20.72	20.69	20.77	20.64	20.69	22.5	3
Channel				39715	39675	40148	40620	41093	41565		
Frequency (MHz)				2502.5	2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	23.82	23.74	23.79	23.88	23.63	23.82	25.50	0
5	QPSK	1	12	23.67	23.55	23.61	23.74	23.56	23.63		
5	QPSK	1	24	23.61	23.53	23.65	23.63	23.62	23.52		
5	QPSK	12	0	22.86	22.83	22.73	22.88	22.75	22.77		
5	QPSK	12	7	22.78	22.71	22.65	22.82	22.76	22.76	24.5	1
5	QPSK	12	13	22.70	22.70	22.58	22.74	22.65	22.68		
5	QPSK	25	0	22.78	22.73	22.76	22.80	22.65	22.70		
5	16QAM	1	0	22.84	22.98	22.90	22.95	22.92	22.92		
5	16QAM	1	12	22.74	22.77	22.80	22.93	22.73	22.78	24.5	1
5	16QAM	1	24	22.67	22.68	22.66	22.69	22.63	22.67		
5	16QAM	12	0	21.87	21.88	21.82	21.92	21.78	21.79		
5	16QAM	12	7	21.64	21.70	21.64	21.77	21.64	21.78		
5	16QAM	12	13	21.63	21.64	21.65	21.70	21.56	21.71	23.5	2
5	16QAM	25	0	21.66	21.67	21.72	21.73	21.70	21.67		
5	64QAM	1	0	21.54	21.61	21.58	21.72	21.71	21.57		
5	64QAM	1	12	21.61	21.67	21.68	21.80	21.65	21.70		
5	64QAM	1	24	21.53	21.61	21.60	21.61	21.62	21.60	23.5	2
5	64QAM	12	0	20.67	20.73	20.67	20.87	20.68	20.75		
5	64QAM	12	7	20.61	20.59	20.67	20.70	20.60	20.58		
5	64QAM	12	13	20.64	20.68	20.64	20.69	20.59	20.66		
5	64QAM	25	0	20.67	20.61	20.67	20.71	20.69	20.66	22.5	3

Reduced power level for WWAN DSI3

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

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

WCDMA II Ant1 DSI3					WCDMA IV Ant1 DSI3					WCDMA V Ant1 DSI3				
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)	
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233		
Rx Channel		9662	9800	9938	1537	1638	1738	1838	4357	4407	4458	4558		
Frequency (MHz)		1852.4	1880	1907.6	1712.4	1732.6	1752.6	1772.6	826.4	836.4	846.6	856.6		
3GPP Rel 99	AMR 12.2Kbps	18.48	18.58	18.57	20.00	18.99	19.11	18.98	20.50	22.86	22.91	22.88	24.50	
3GPP Rel 99	RMC 12.2Kbps	18.65	18.66	18.62	20.00	19.08	19.16	19.10	20.50	22.94	23.03	22.98	24.50	
3GPP Rel 6	HSDPA Subtest-1	17.27	17.61	17.71	19.00	18.29	18.16	18.33	19.50	22.14	22.24	21.99	23.50	
3GPP Rel 6	HSDPA Subtest-2	17.65	17.44	17.31	19.00	18.27	18.31	18.35	19.50	22.26	22.20	22.17	23.50	
3GPP Rel 6	HSDPA Subtest-3	16.98	17.23	17.02	18.50	17.79	17.97	17.75	19.00	21.38	21.66	21.68	23.00	
3GPP Rel 6	HSDPA Subtest-4	16.99	17.23	16.85	18.50	18.09	18.31	18.20	19.00	22.34	22.27	22.04	23.00	
3GPP Rel 8	DC-HSDPA Subtest-1	17.67	17.48	17.60	19.00	18.35	18.15	18.35	19.50	21.93	22.05	22.29	23.50	
3GPP Rel 8	DC-HSDPA Subtest-2	17.30	17.73	17.52	19.00	18.39	18.47	18.20	19.50	22.20	22.19	22.09	23.50	
3GPP Rel 8	DC-HSDPA Subtest-3	17.21	17.21	17.09	18.50	17.64	18.02	17.92	19.00	21.46	21.69	21.60	23.00	
3GPP Rel 8	DC-HSDPA Subtest-4	16.97	17.23	16.94	18.50	17.65	17.86	17.67	19.00	21.61	21.55	21.52	23.00	
3GPP Rel 6	HSUPA Subtest-1	17.37	17.57	17.70	19.00	18.15	18.17	18.28	19.50	21.87	22.14	22.20	23.50	
3GPP Rel 6	HSUPA Subtest-2	15.85	15.66	15.45	17.00	16.33	16.45	16.10	17.50	20.12	20.17	20.18	21.50	
3GPP Rel 6	HSUPA Subtest-3	16.61	16.89	16.40	18.00	17.23	17.26	17.20	18.50	20.96	21.13	21.23	22.50	
3GPP Rel 6	HSUPA Subtest-4	15.30	15.55	15.36	17.00	16.21	16.28	16.17	17.50	20.25	20.24	20.16	21.50	
3GPP Rel 6	HSUPA Subtest-5	17.55	17.85	17.77	19.00	18.15	18.04	18.36	19.50	22.12	22.06	22.15	23.50	
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	15.13	15.25	15.14	16.50	15.79	15.68	15.81	17.00	19.72	19.64	19.63	21.00	

Band 2 Ant1 DS13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				18700	18900	19100			
Frequency (MHz)				1880	1890	1900			
20	QPSK	1	0	18.65	18.87	18.72	20.5	0	
20	QPSK	1	49	18.60	18.63	18.61			
20	QPSK	1	99	18.63	18.56	18.53			
20	QPSK	50	0	18.70	18.75	18.58			
20	QPSK	50	24	18.72	18.74	18.63			
20	QPSK	50	50	18.53	18.71	18.67	20.5	0	
20	QPSK	100	0	18.61	18.78	18.84			
20	16QAM	1	0	18.59	18.80	18.79			
20	16QAM	1	49	18.67	18.76	18.67			
20	16QAM	1	99	18.79	18.81	18.55			
20	16QAM	50	0	18.82	18.83	18.62	20.5	0	
20	16QAM	50	24	18.65	18.56	18.81			
20	16QAM	50	50	18.64	18.75	18.68			
20	16QAM	100	0	18.78	18.50	18.72			
20	64QAM	1	0	18.56	18.62	18.55			
20	64QAM	1	49	18.82	18.78	18.72	20.5	0	
20	64QAM	1	99	18.81	18.62	18.70			
20	64QAM	50	0	18.57	18.55	18.77			
20	64QAM	50	24	18.76	18.79	18.67			
20	64QAM	50	50	18.69	18.71	18.72			
20	64QAM	100	0	18.56	18.78	18.52	Tune-up limit (dBm)	MPR (dB)	
Channel				1957.5	1980	1902.5			
Frequency (MHz)				1957.5	1980	1902.5			
15	QPSK	1	0	18.61	18.77	18.78			
15	QPSK	1	37	18.65	18.69	18.69	20.5	0	
15	QPSK	1	74	18.58	18.73	18.84			
15	QPSK	36	0	18.61	18.81	18.63			
15	QPSK	36	20	18.56	18.69	18.56			
15	QPSK	36	39	18.59	18.66	18.77			
15	QPSK	75	0	18.62	18.54	18.69	20.5	0	
15	16QAM	1	0	18.82	18.76	18.77			
15	16QAM	1	37	18.71	18.60	18.71			
15	16QAM	1	74	18.77	18.83	18.72			
15	16QAM	36	0	18.72	18.53	18.55			
15	16QAM	36	20	18.74	18.79	18.78	20.5	0	
15	16QAM	36	39	18.80	18.58	18.85			
15	16QAM	75	0	18.75	18.57	18.57			
15	64QAM	1	0	18.65	18.60	18.75			
15	64QAM	1	37	18.72	18.76	18.61			
15	64QAM	1	74	18.76	18.65	18.75	20.5	0	
15	64QAM	36	0	18.57	18.77	18.76			
15	64QAM	36	20	18.58	18.53	18.74			
15	64QAM	36	39	18.68	18.81	18.66			
15	64QAM	75	0	18.60	18.76	18.70			
Channel				19950	19900	19150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1995	1980	1905			
10	QPSK	1	0	18.57	18.59	18.72	20.5	0	
10	QPSK	1	25	18.67	18.60	18.62			
10	QPSK	1	49	18.58	18.64	18.67			
10	QPSK	25	0	18.53	18.76	18.62			
10	QPSK	25	12	18.53	18.64	18.56			
10	QPSK	25	25	18.51	18.69	18.65	20.5	0	
10	QPSK	50	0	18.52	18.56	18.62			
10	16QAM	1	0	18.67	18.62	18.74			
10	16QAM	1	25	18.54	18.61	18.56			
10	16QAM	1	49	18.79	18.72	18.61			
10	16QAM	25	0	18.60	18.52	18.51	20.5	0	
10	16QAM	25	12	18.73	18.67	18.78			
10	16QAM	25	25	18.62	18.59	18.60			
10	16QAM	50	0	18.59	18.59	18.53			
10	64QAM	1	0	18.54	18.56	18.63			
10	64QAM	1	25	18.55	18.73	18.59	20.5	0	
10	64QAM	1	49	18.67	18.51	18.58			
10	64QAM	25	0	18.51	18.57	18.61			
10	64QAM	25	12	18.61	18.68	18.59			
10	64QAM	25	25	18.51	18.62	18.52			
10	64QAM	50	0	18.63	18.64	18.58	Tune-up limit (dBm)	MPR (dB)	
Channel				19825	18900	19175			
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	0	18.62	18.75	18.61			
5	QPSK	1	12	18.64	18.72	18.73	20.5	0	
5	QPSK	1	24	18.57	18.66	18.70			
5	QPSK	12	0	18.59	18.67	18.65			
5	QPSK	12	7	18.69	18.65	18.58			
5	QPSK	12	13	18.52	18.58	18.77			
5	QPSK	25	0	18.52	18.54	18.50	20.5	0	
5	16QAM	1	0	18.78	18.71	18.70			
5	16QAM	1	12	18.71	18.57	18.56			
5	16QAM	1	24	18.65	18.74	18.65			
5	16QAM	12	0	18.69	18.55	18.57			
5	16QAM	12	7	18.72	18.81	18.66	20.5	0	
5	16QAM	12	13	18.65	18.65	18.53			
5	16QAM	25	0	18.61	18.58	18.53			
5	64QAM	1	0	18.68	18.51	18.75			
5	64QAM	1	12	18.66	18.71	18.57			
5	64QAM	1	24	18.60	18.57	18.58	20.5	0	
5	64QAM	12	0	18.53	18.77	18.79			
5	64QAM	12	7	18.56	18.57	18.57			
5	64QAM	12	13	18.62	18.79	18.57			
5	64QAM	25	0	18.65	18.72	18.54			
Channel				19815	18900	19185	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1851.5	1880	1908.5			
3	QPSK	1	0	18.53	18.79	18.76	20.5	0	
3	QPSK	1	8	18.64	18.66	18.71			
3	QPSK	1	14	18.57	18.69	18.74			
3	QPSK	8	0	18.57	18.72	18.60			
3	QPSK	8	4	18.57	18.60	18.57			
3	QPSK	8	7	18.56	18.50	18.72	20.5	0	
3	QPSK	15	0	18.60	18.53	18.71			
3	16QAM	1	0	18.64	18.76	18.71			
3	16QAM	1	8	18.67	18.59	18.69			
3	16QAM	1	14	18.79	18.77	18.72			
3	16QAM	8	0	18.71	18.57	18.59	20.5	0	
3	16QAM	8	4	18.69	18.76	18.81			
3	16QAM	8	7	18.80	18.54	18.60			
3	16QAM	15	0	18.55	18.51	18.65			
3	64QAM	1	0	18.56	18.51	18.56			
3	64QAM	1	8	18.73	18.79	18.59	20.5	0	
3	64QAM	1	14	18.79	18.66	18.59			
3	64QAM	8	0	18.57	18.60	18.75			
3	64QAM	8	4	18.56	18.67	18.66			
3	64QAM	8	7	18.53	18.75	18.67			
3	64QAM	15	0	18.80	18.71	18.55	Tune-up limit (dBm)	MPR (dB)	
Channel				19807	18900	19193			
Frequency (MHz)				1850.7	1880	1909.3			
1.4	QPSK	1	0	18.54	18.59	18.77			
1.4	QPSK	1	3	18.65	18.72	18.64	20.5	0	
1.4	QPSK	1	5	18.51	18.72	18.82			
1.4	QPSK	3	0	18.59	18.61	18.54			
1.4	QPSK	3	1	18.65	18.71	18.55			
1.4	QPSK	3	3	18.54	18.58	18.78			
1.4	QPSK	6	0	18.57	18.53	18.67	20.5	0	
1.4	16QAM	1	0	18.74	18.79	18.80			
1.4	16QAM	1	3	18.55	18.60	18.62			
1.4	16QAM	1	5	18.62	18.83	18.63			
1.4	16QAM	3	0	18.75	18.52	18.62			
1.4	16QAM	3	1	18.70	18.73	18.71	20.5	0	
1.4	16QAM	3	3	18.61	18.56	18.60	20.5	0	
1.4	16QAM	6	0	18.55	18.50	18.55			
1.4	64QAM	1	0	18.55	18.52	18.59			
1.4	64QAM	1	3	18.59	18.70	18.67			
1.4	64QAM	1	5	18.60	18.52	18.72			
1.4	64QAM	3	0	18.51	18.68	18.66	20.5	0	
1.4	64QAM	3	1	18.57	18.53	18.65			
1.4	64QAM	3	3	18.68	18.65	18.55			
1.4	64QAM	6	0	18.65	18.76	18.72			
1.4	64QAM	6	3	18.65	18.76	18.72			

Band 5 Ant1 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20450	20525	20600			
Frequency (MHz)				829.5	836.5	844.5			
10	QPSK	1	0	22.66	22.92	22.90	24.5	0	
10	QPSK	1	25	22.89	22.74	22.85			
10	QPSK	1	49	22.65	22.88	22.67			
10	QPSK	25	0	22.80	22.81	22.64			
10	QPSK	25	12	22.75	22.66	22.68			
10	QPSK	25	25	22.75	22.75	22.72	24.5	0	
10	QPSK	50	0	22.85	22.89	22.82			
10	16QAM	1	0	22.70	22.82	22.91			
10	16QAM	1	25	22.81	22.82	22.85			
10	16QAM	1	49	22.76	22.78	22.82			
10	16QAM	25	0	22.05	21.81	21.91	23.5	1	
10	16QAM	25	12	22.13	21.80	21.85			
10	16QAM	25	25	21.67	21.78	21.74			
10	16QAM	50	0	21.98	21.86	21.90			
10	64QAM	1	0	21.98	21.79	21.94			
10	64QAM	1	25	21.68	21.91	21.75	23.5	1	
10	64QAM	1	49	21.85	21.86	21.93			
10	64QAM	25	0	21.09	20.85	20.87			
10	64QAM	25	12	21.04	20.95	20.97			
10	64QAM	25	25	21.12	20.84	20.83			
10	64QAM	50	0	20.61	20.79	20.71	22.5	2	
Channel				20425	20525	20625			
Frequency (MHz)				829.5	836.5	846.5			
5	QPSK	1	0	22.83	22.90	22.82	24.5	0	
5	QPSK	1	12	22.63	22.58	22.68			
5	QPSK	1	24	22.60	22.74	22.56			
5	QPSK	12	0	22.85	22.83	22.77			
5	QPSK	12	7	22.69	22.78	22.67			
5	QPSK	12	13	22.71	22.82	22.67	24.5	0	
5	QPSK	25	0	22.75	22.86	22.82			
5	16QAM	1	0	22.88	22.82	22.77			
5	16QAM	1	12	22.89	22.61	22.80			
5	16QAM	1	24	22.73	22.65	22.75			
5	16QAM	12	0	21.91	21.66	21.90	23.5	1	
5	16QAM	12	7	21.93	21.59	21.73			
5	16QAM	12	13	21.55	21.71	21.56			
5	16QAM	25	0	21.81	21.77	21.86			
5	64QAM	1	0	22.00	21.75	21.92			
5	64QAM	1	12	21.63	21.80	21.61	23.5	1	
5	64QAM	1	24	21.75	21.85	21.93			
5	64QAM	12	0	20.98	20.72	20.88			
5	64QAM	12	7	20.84	20.76	20.87			
5	64QAM	12	13	21.05	20.81	20.70			
5	64QAM	25	0	20.62	20.73	20.70	22.5	2	
Channel				20415	20525	20635			
Frequency (MHz)				829.5	836.5	847.5			
3	QPSK	1	0	22.80	22.88	22.72	24.5	0	
3	QPSK	1	8	22.75	22.53	22.73			
3	QPSK	1	14	22.51	22.88	22.63			
3	QPSK	8	0	22.84	22.89	22.76			
3	QPSK	8	4	22.82	22.81	22.67			
3	QPSK	8	7	22.78	22.80	22.79	24.5	0	
3	QPSK	15	0	22.65	22.84	22.76			
3	16QAM	1	0	22.71	22.71	22.84			
3	16QAM	1	8	22.79	22.77	22.76			
3	16QAM	1	14	22.64	22.58	22.83			
3	16QAM	8	0	21.96	21.75	21.81	23.5	1	
3	16QAM	8	4	21.93	21.77	21.68			
3	16QAM	8	7	21.62	21.61	21.70			
3	16QAM	15	0	21.88	21.66	21.88			
3	64QAM	1	0	21.92	21.79	21.85			
3	64QAM	1	8	21.57	21.87	21.74	23.5	1	
3	64QAM	1	14	21.68	21.70	21.94			
3	64QAM	8	0	21.00	20.73	20.67			
3	64QAM	8	4	21.02	20.94	20.98			
3	64QAM	8	7	20.90	20.96	20.62			
3	64QAM	15	0	20.50	20.76	20.69	22.5	2	
Channel				20407	20525	20643			
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	22.75	22.78	22.75	24.5	0	
1.4	QPSK	1	3	22.65	22.74	22.71			
1.4	QPSK	1	5	22.63	22.72	22.55			
1.4	QPSK	3	0	22.85	22.75	22.70			
1.4	QPSK	3	1	22.86	22.65	22.87			
1.4	QPSK	3	3	22.64	22.73	22.53	24.5	0	
1.4	QPSK	6	0	22.88	22.86	22.85			
1.4	16QAM	1	0	22.89	22.58	22.71			
1.4	16QAM	1	3	22.67	22.79	22.63			
1.4	16QAM	1	5	22.71	22.84	22.87			
1.4	16QAM	3	0	22.66	22.81	22.78	23.5	1	
1.4	16QAM	3	1	22.90	22.65	22.87			
1.4	16QAM	3	3	22.57	22.85	22.62			
1.4	16QAM	6	0	21.96	21.86	21.83			
1.4	64QAM	1	0	21.93	21.76	21.88			
1.4	64QAM	1	3	22.04	21.98	22.02	23.5	1	
1.4	64QAM	1	5	22.10	21.87	21.82			
1.4	64QAM	3	0	21.95	21.80	21.96			
1.4	64QAM	3	1	21.98	21.78	21.84			
1.4	64QAM	3	3	21.70	21.78	21.69			
1.4	64QAM	6	0	20.93	20.94	20.94	22.5	2	

Band 7 Ant1 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	17.97	18.16	18.11	19.5	0	
20	QPSK	1	49	18.13	18.10	18.15			
20	QPSK	1	99	17.80	17.85	17.88			
20	QPSK	50	0	17.94	18.09	17.96			
20	QPSK	50	24	17.96	17.91	18.07			
20	QPSK	50	50	18.00	17.97	17.96	19.5	0	
20	QPSK	100	0	17.96	18.06	17.97			
20	16QAM	1	0	17.95	18.01	18.04			
20	16QAM	1	49	18.03	18.10	18.05			
20	16QAM	1	99	18.07	17.87	18.08			
20	16QAM	50	0	17.96	18.03	17.92	19.5	0	
20	16QAM	50	24	17.98	18.00	18.04			
20	16QAM	50	50	18.09	18.01	18.01			
20	16QAM	100	0	17.83	17.99	17.81			
20	64QAM	1	0	17.95	18.01	18.04			
20	64QAM	1	49	18.07	17.94	17.94	19.5	0	
20	64QAM	1	99	17.81	17.84	17.86			
20	64QAM	50	0	18.10	18.04	18.04			
20	64QAM	50	24	17.94	18.09	18.01			
20	64QAM	50	50	18.04	18.02	18.10			
20	64QAM	100	0	17.98	17.96	17.99	19.5	0	
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	18.01	18.04	17.91	19.5	0	
15	QPSK	1	37	18.13	18.06	18.06			
15	QPSK	1	74	17.93	17.93	17.97			
15	QPSK	36	0	18.12	18.07	18.02			
15	QPSK	36	20	17.96	18.08	17.97			
15	QPSK	36	39	17.78	17.87	17.91	19.5	0	
15	QPSK	75	0	18.11	18.05	18.08			
15	16QAM	1	0	18.02	17.88	17.99			
15	16QAM	1	37	17.94	18.05	17.80			
15	16QAM	1	74	17.95	18.11	18.01			
15	16QAM	36	0	18.06	18.00	18.11	19.5	0	
15	16QAM	36	20	17.83	17.97	17.97			
15	16QAM	36	39	18.10	18.01	17.89			
15	16QAM	75	0	18.11	18.05	18.08			
15	64QAM	1	0	17.87	17.88	17.84			
15	64QAM	1	37	18.08	18.03	17.84	19.5	0	
15	64QAM	1	74	17.98	17.87	18.08			
15	64QAM	36	0	17.95	18.11	17.99			
15	64QAM	36	20	17.93	18.09	18.00			
15	64QAM	36	39	17.78	17.96	17.91			
15	64QAM	75	0	17.98	18.07	17.74	19.5	0	
Channel				20800	21100	21400			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	18.03	17.99	17.94	19.5	0	
10	QPSK	1	25	18.04	18.03	18.13			
10	QPSK	1	49	18.15	17.97	18.04			
10	QPSK	25	0	18.10	18.05	18.13			
10	QPSK	25	12	17.90	17.96	17.84			
10	QPSK	25	12	17.85	17.98	17.84	19.5	0	
10	QPSK	50	0	17.95	17.93	17.93			
10	16QAM	1	0	17.83	17.91	17.91			
10	16QAM	1	25	17.89	17.85	17.75			
10	16QAM	1	49	17.98	18.03	17.91			
10	16QAM	25	0	17.91	17.94	18.07	19.5	0	
10	16QAM	25	12	17.90	17.89	17.87			
10	16QAM	25	25	17.93	17.98	18.07			
10	16QAM	50	0	18.05	17.94	18.02			
10	64QAM	1	0	17.89	17.97	17.85			
10	64QAM	1	25	17.96	18.00	18.11	19.5	0	
10	64QAM	1	49	18.00	17.92	18.10			
10	64QAM	25	0	18.00	18.14	17.92			
10	64QAM	25	12	17.94	18.00	18.00			
10	64QAM	25	25	17.99	18.06	18.11			
10	64QAM	50	0	17.90	17.84	17.82	19.5	0	
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	18.05	18.07	18.08	19.5	0	
5	QPSK	1	12	17.91	17.96	18.04			
5	QPSK	1	24	17.77	17.91	17.83			
5	QPSK	12	0	17.99	17.92	17.87			
5	QPSK	12	7	17.86	17.94	17.84			
5	QPSK	12	13	17.95	17.89	17.85	19.5	0	
5	QPSK	25	0	17.96	17.98	17.93			
5	16QAM	1	0	18.07	18.04	18.08			
5	16QAM	1	12	17.88	17.96	17.83			
5	16QAM	1	24	17.99	18.01	18.07			
5	16QAM	12	0	18.02	18.06	17.96	19.5	0	
5	16QAM	12	7	18.13	18.09	18.07			
5	16QAM	12	13	17.98	17.92	18.14			
5	16QAM	25	0	17.77	17.85	17.91			
5	64QAM	1	0	17.94	17.89	17.81			
5	64QAM	1	12	18.13	18.10	18.00	19.5	0	
5	64QAM	1	24	18.03	18.06	18.14			
5	64QAM	12	0	17.90	17.99	17.83			
5	64QAM	12	7	18.12	18.10	18.00			
5	64QAM	12	13	18.12	17.91	18.05			
5	64QAM	25	0	17.77	17.83	17.92	19.5	0	

Band 38 Ant1 DSI3											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				37850	38000	38150	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2580	2595	2610					
20	QPSK	1	0	19.80	20.02	19.90	21.5	0			
20	QPSK	1	49	19.88	19.80	19.83					
20	QPSK	1	99	19.89	19.69	19.87					
20	QPSK	50	0	19.79	19.95	19.85	21.5	0			
20	QPSK	50	24	19.79	19.77	19.77					
20	QPSK	50	50	19.89	19.71	19.83					
20	QPSK	100	0	19.84	19.89	19.81	21.5	0			
20	16QAM	1	0	19.76	19.70	19.79					
20	16QAM	1	49	19.94	19.89	19.79					
20	16QAM	1	99	19.93	19.89	19.86	21.5	0			
20	16QAM	50	0	19.85	19.80	19.77					
20	16QAM	50	24	19.74	19.68	19.84					
20	16QAM	50	50	19.84	19.89	19.71	21.5	0			
20	16QAM	100	0	19.79	19.80	19.94					
20	64QAM	1	0	19.77	19.95	19.80	21.5	0			
20	64QAM	1	49	19.77	19.85	19.90					
20	64QAM	1	99	19.81	19.69	19.70					
20	64QAM	50	0	19.88	19.81	19.78	21.5	0			
20	64QAM	50	24	19.87	19.85	19.85					
20	64QAM	50	50	19.88	19.84	19.97					
20	64QAM	100	0	19.93	19.90	19.91	Tune-up limit (dBm)	MPR (dB)			
Channel				37825	38000	38175					
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)	MPR (dB)			
15	QPSK	1	0	19.81	19.81	19.88				0	
15	QPSK	1	37	19.82	19.78	19.94	21.5	0			
15	QPSK	1	74	19.86	19.83	19.81					
15	QPSK	36	0	19.88	19.79	19.76		0			
15	QPSK	36	20	19.98	19.67	19.88	21.5				
15	QPSK	36	39	19.74	19.92	19.85					
15	QPSK	75	0	19.73	19.76	19.87					
15	16QAM	1	0	19.83	19.79	19.89	21.5	0			
15	16QAM	1	37	19.84	19.77	19.61					
15	16QAM	1	74	19.89	19.84	19.86					
15	16QAM	36	0	19.86	19.78	19.71	21.5	0			
15	16QAM	36	20	19.78	19.85	19.95					
15	16QAM	36	39	19.93	19.97	19.76					
15	16QAM	75	0	19.89	19.85	19.90	21.5	0			
15	64QAM	1	0	19.74	19.91	19.81					
15	64QAM	1	37	19.72	19.98	19.84	21.5	0			
15	64QAM	1	74	19.78	19.84	19.83					
15	64QAM	36	0	19.72	19.82	19.78		0			
15	64QAM	36	20	19.76	19.83	19.83	21.5				
15	64QAM	36	39	19.87	19.90	19.97					
15	64QAM	75	0	19.88	19.91	19.83	Tune-up limit (dBm)	MPR (dB)			
Channel				37800	38000	38200					
Frequency (MHz)				2575	2595	2615	Tune-up limit (dBm)	MPR (dB)			
10	QPSK	1	0	19.89	19.93	19.83				0	
10	QPSK	1	25	19.80	19.65	19.83	21.5	0			
10	QPSK	1	49	19.81	19.73	19.70					
10	QPSK	25	0	19.79	19.96	19.96		0			
10	QPSK	25	12	19.86	19.72	19.77	21.5				
10	QPSK	25	25	19.88	19.98	19.97					
10	QPSK	50	0	19.90	19.80	19.92	21.5	0			
10	16QAM	1	0	19.76	19.72	19.85					
10	16QAM	1	25	19.80	19.83	19.65					
10	16QAM	1	49	19.96	19.96	19.91	21.5	0			
10	16QAM	25	0	19.98	19.70	19.73					
10	16QAM	25	12	19.88	19.85	19.94					
10	16QAM	25	25	19.81	19.92	19.90	21.5	0			
10	16QAM	50	0	19.87	19.82	19.80					
10	64QAM	1	0	19.86	19.85	19.78		0			
10	64QAM	1	25	19.83	19.69	19.86	21.5				
10	64QAM	1	49	19.98	19.88	19.89					
10	64QAM	25	0	19.71	19.94	19.80	21.5	0			
10	64QAM	25	12	19.74	19.80	19.83					
10	64QAM	25	25	19.89	19.78	19.87					
10	64QAM	50	0	19.88	19.83	19.89	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	19.86	19.68	19.96				0	
5	QPSK	1	12	19.74	19.60	19.82	21.5	0			
5	QPSK	1	24	19.86	19.75	19.78					
5	QPSK	12	0	19.93	19.98	19.81		0			
5	QPSK	12	7	19.85	19.63	19.86	21.5				
5	QPSK	12	13	19.94	19.90	19.81					
5	QPSK	25	0	19.78	19.94	19.99					
5	16QAM	1	0	19.84	19.79	19.75	21.5	0			
5	16QAM	1	12	19.98	19.94	19.81					
5	16QAM	1	24	19.92	19.99	19.92					
5	16QAM	12	0	19.87	19.80	19.85	21.5	0			
5	16QAM	12	7	19.79	19.66	19.79					
5	16QAM	12	13	19.82	19.87	19.77					
5	16QAM	25	0	19.89	19.79	19.83	21.5	0			
5	64QAM	1	0	19.69	19.96	19.85					
5	64QAM	1	12	19.78	19.97	19.88					
5	64QAM	1	24	19.75	19.86	19.91	21.5	0			
5	64QAM	12	0	19.81	19.86	19.77					
5	64QAM	12	7	19.88	19.99	19.87					
5	64QAM	12	13	19.91	19.90	19.97	21.5	0			
5	64QAM	25	0	19.84	19.90	19.94					

Band 41 Ant1 DS13										
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	19.97	20.07	20.18	20.09	20.08	21.5	0
20	QPSK	1	49	19.77	19.98	19.86	19.93	19.85		
20	QPSK	1	99	19.77	19.88	20.02	19.86	19.86		
20	QPSK	50	0	19.86	20.00	20.10	20.02	19.96	21.5	0
20	QPSK	50	24	19.89	19.83	19.95	19.82	19.94		
20	QPSK	50	50	19.76	19.73	19.96	19.69	19.69		
20	QPSK	100	0	19.93	19.91	20.03	20.01	19.98	21.5	0
20	16QAM	1	0	19.82	19.89	19.92	19.80	19.97		
20	16QAM	1	49	19.71	19.79	19.96	19.70	19.80		
20	16QAM	1	99	19.84	19.98	20.09	20.08	20.10	21.5	0
20	16QAM	50	0	19.75	19.96	19.87	20.01	19.86		
20	16QAM	50	24	19.75	19.83	19.87	19.69	19.75		
20	16QAM	50	50	19.87	20.07	20.15	20.07	20.13	21.5	0
20	16QAM	100	0	19.94	19.93	20.03	20.01	19.88		
20	64QAM	1	0	19.76	19.90	19.85	19.80	19.73		
20	64QAM	1	49	19.88	20.05	20.12	20.00	19.98	21.5	0
20	64QAM	1	99	19.74	19.96	19.86	19.97	19.86		
20	64QAM	50	0	19.92	19.81	19.83	19.83	19.81		
20	64QAM	50	24	19.91	19.87	20.15	20.10	20.15	21.5	0
20	64QAM	50	50	19.72	19.89	19.86	19.97	19.89		
20	64QAM	100	0	19.80	19.95	19.88	19.86	19.86		
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	19.85	19.98	19.97	20.07	19.91	21.50	0
15	QPSK	1	37	19.66	19.99	19.72	19.76	19.86		
15	QPSK	1	74	19.58	19.88	19.86	19.80	19.71		
15	QPSK	36	0	19.87	19.90	19.84	19.97	19.80	21.5	0
15	QPSK	36	20	19.84	19.73	19.85	19.78	19.80		
15	QPSK	36	39	19.71	19.52	19.85	19.68	19.70		
15	QPSK	75	0	19.69	20.02	19.82	20.11	20.03	21.5	0
15	16QAM	1	0	19.63	19.86	19.82	19.71	19.80		
15	16QAM	1	37	19.58	19.67	19.89	19.67	19.62		
15	16QAM	1	74	19.76	19.80	19.89	19.87	19.89	21.5	0
15	16QAM	36	0	19.72	19.97	19.68	19.82	19.68		
15	16QAM	36	20	19.62	19.67	19.85	19.54	19.72		
15	16QAM	36	39	19.88	19.87	19.94	19.96	19.93	21.5	0
15	16QAM	75	0	19.87	19.81	19.87	19.97	19.70		
15	16QAM	1	0	19.84	19.76	19.79	19.80	19.75		
15	64QAM	1	37	19.66	19.64	19.89	19.70	19.69	21.5	0
15	64QAM	1	74	19.79	19.82	19.88	19.98	19.91		
15	64QAM	36	0	19.89	19.83	19.84	19.76	19.69		
15	64QAM	36	20	19.89	19.79	20.12	19.99	20.09	21.5	0
15	64QAM	36	39	19.69	19.82	19.64	19.78	19.72		
15	64QAM	75	0	19.70	19.73	19.87	19.83	19.81		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	19.75	19.92	20.05	19.97	20.01	21.50	0
10	QPSK	1	25	19.76	19.95	19.71	19.83	19.64		
10	QPSK	1	49	19.77	19.70	20.02	19.85	19.72		
10	QPSK	25	0	19.71	19.88	19.99	19.87	19.78	21.5	0
10	QPSK	25	12	19.81	19.84	19.90	19.79	19.78		
10	QPSK	25	25	19.54	19.65	19.86	19.54	19.60		
10	QPSK	50	0	19.91	19.90	19.93	20.02	19.86	21.5	0
10	16QAM	1	0	19.66	19.91	19.77	19.61	19.65		
10	16QAM	1	25	19.65	19.74	19.92	19.71	19.74		
10	16QAM	1	49	19.80	19.76	19.87	20.10	19.96	21.5	0
10	16QAM	25	0	19.72	19.85	19.86	20.02	19.88		
10	16QAM	25	12	19.69	19.69	19.68	19.67	19.67		
10	16QAM	25	25	19.82	19.99	20.13	19.88	19.97	21.5	0
10	16QAM	50	0	19.83	19.72	20.04	19.95	19.83		
10	64QAM	1	0	19.55	19.79	19.85	19.78	19.52		
10	64QAM	1	25	19.67	19.99	19.96	19.81	19.98	21.5	0
10	64QAM	1	49	19.65	19.97	19.84	19.98	19.65		
10	64QAM	25	0	19.76	19.70	19.66	19.80	19.73		
10	64QAM	25	12	19.72	19.69	19.94	20.02	20.16	21.5	0
10	64QAM	25	25	19.66	19.79	19.66	19.82	19.75		
10	64QAM	50	0	19.63	19.83	19.84	19.67	19.67		
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	19.83	19.70	19.79	19.64	19.76	21.50	0
5	QPSK	1	12	19.64	19.67	19.96	19.56	19.76		
5	QPSK	1	24	19.85	19.94	19.98	19.94	19.97		
5	QPSK	12	0	19.75	19.97	19.90	19.94	19.87	21.5	0
5	QPSK	12	7	19.79	19.64	19.83	19.66	19.78		
5	QPSK	12	13	19.70	19.67	19.93	19.68	19.70		
5	QPSK	25	0	19.89	19.83	19.90	19.97	19.87	21.5	0
5	16QAM	1	0	19.73	19.78	19.76	19.61	19.90		
5	16QAM	1	12	19.61	19.58	19.89	19.63	19.68		
5	16QAM	1	24	19.71	19.90	20.05	19.99	19.92	21.5	0
5	16QAM	12	0	19.69	19.77	19.65	19.99	19.78		
5	16QAM	12	7	19.67	19.63	19.86	19.67	19.57		
5	16QAM	12	13	19.68	19.96	20.00	19.88	20.04	21.5	0
5	16QAM	25	0	19.74	19.92	19.94	19.94	19.80		
5	64QAM	1	0	19.54	19.73	19.83	19.73	19.54		
5	64QAM	1	12	19.86	19.87	19.99	19.81	19.94	21.5	0
5	64QAM	1	24	19.69	19.80	19.69	19.77	19.79		
5	64QAM	12	0	19.80	19.87	19.88	19.63	19.98		
5	64QAM	12	7	19.59	19.74	19.80	19.58	19.67	21.5	0
5	64QAM	12	13	19.64	19.82	20.01	19.87	19.90		
5	64QAM	25	0	19.67	19.92	19.86	19.87	19.82		

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

Band 38 Ant2 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	24.5	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	23.32	23.40	23.35			
20	QPSK	1	49	23.21	23.14	23.25	23.5	1	
20	QPSK	1	99	23.13	23.34	23.32			
20	QPSK	50	0	22.36	22.58	22.38			
20	QPSK	50	24	22.27	22.39	22.39	23.5	1	
20	QPSK	50	50	22.17	22.25	22.36			
20	QPSK	100	0	22.27	22.46	22.31			
20	16QAM	1	0	22.27	22.18	22.33	23.5	1	
20	16QAM	1	49	22.24	22.13	22.35			
20	16QAM	1	99	22.15	22.21	22.05			
20	16QAM	50	0	21.32	21.27	21.15	22.5	2	
20	16QAM	50	24	21.13	21.33	21.11			
20	16QAM	50	50	20.12	21.08	21.15			
20	16QAM	100	0	21.23	21.07	21.10	22.5	2	
20	64QAM	1	0	21.27	21.11	21.21			
20	64QAM	1	49	21.00	21.24	21.01			
20	64QAM	1	99	21.02	20.93	21.16	21.5	3	
20	64QAM	50	0	20.29	20.54	20.43			
20	64QAM	50	24	20.48	20.32	20.42			
20	64QAM	50	50	20.34	20.30	20.26	21.5	3	
20	64QAM	100	0	20.05	20.09	19.96			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5	24.5	0	
15	QPSK	1	0	23.18	23.36	23.26			
15	QPSK	1	37	23.10	23.01	23.20	23.5	1	
15	QPSK	1	74	23.05	23.22	23.18			
15	QPSK	36	0	22.22	22.49	22.33	23.5	1	
15	QPSK	36	20	22.21	22.26	22.29			
15	QPSK	36	39	22.03	22.20	22.21			
15	QPSK	75	0	22.12	22.37	22.27	23.5	1	
15	16QAM	1	0	22.15	22.13	22.26			
15	16QAM	1	37	22.11	22.00	22.24	22.5	2	
15	16QAM	1	74	22.10	22.07	21.93			
15	16QAM	36	0	21.27	21.19	21.06			
15	16QAM	36	20	20.98	21.25	21.01	22.5	2	
15	16QAM	36	39	21.04	21.02	21.04			
15	16QAM	75	0	21.16	20.92	21.04			
15	64QAM	1	0	21.21	21.01	21.12	22.5	2	
15	64QAM	1	37	20.92	21.13	20.92			
15	64QAM	1	74	20.93	20.88	21.01	21.5	3	
15	64QAM	36	0	20.21	20.40	20.28			
15	64QAM	36	20	20.39	20.28	20.31			
15	64QAM	36	39	20.21	20.20	20.10	21.5	3	
15	64QAM	75	0	19.91	19.99	19.83			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615	24.5	0	
10	QPSK	1	0	23.22	23.28	23.29			
10	QPSK	1	25	23.17	23.06	23.17	23.5	1	
10	QPSK	1	49	23.05	23.19	23.27			
10	QPSK	25	0	22.29	22.51	22.26	23.5	1	
10	QPSK	25	12	22.15	22.23	22.30			
10	QPSK	25	25	22.11	22.09	22.24			
10	QPSK	50	0	22.18	22.36	22.19	23.5	1	
10	16QAM	1	0	22.15	22.11	22.18			
10	16QAM	1	25	22.10	22.06	22.31	22.5	2	
10	16QAM	1	49	22.08	22.10	21.90			
10	16QAM	25	0	21.24	21.20	21.03			
10	16QAM	25	12	21.06	21.20	20.96	22.5	2	
10	16QAM	25	25	21.01	20.94	21.03			
10	16QAM	50	0	21.17	20.95	20.94			
10	64QAM	1	0	21.22	21.05	21.14	22.5	2	
10	64QAM	1	25	20.88	21.16	20.91			
10	64QAM	1	49	20.91	20.82	21.09	21.5	3	
10	64QAM	25	0	20.18	20.50	20.34			
10	64QAM	25	12	20.42	20.17	20.32			
10	64QAM	25	25	20.25	20.24	20.10	21.5	3	
10	64QAM	50	0	19.99	19.99	19.83			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5	24.5	0	
5	QPSK	1	0	23.24	23.31	23.22			
5	QPSK	1	12	23.16	23.08	23.14	23.5	1	
5	QPSK	1	24	23.01	23.24	23.26			
5	QPSK	12	0	22.22	22.42	22.25	23.5	1	
5	QPSK	12	7	22.22	22.24	22.28			
5	QPSK	12	13	22.03	22.17	22.27			
5	QPSK	25	0	22.13	22.33	22.22	23.5	1	
5	16QAM	1	0	22.17	22.04	22.19			
5	16QAM	1	12	22.09	22.09	22.27	22.5	2	
5	16QAM	1	24	22.10	22.07	22.01			
5	16QAM	12	0	21.25	21.19	21.07			
5	16QAM	12	7	21.03	21.29	20.98	22.5	2	
5	16QAM	12	13	21.01	20.98	21.00			
5	16QAM	25	0	21.17	20.97	21.02			
5	64QAM	1	0	21.19	21.05	21.12	22.5	2	
5	64QAM	1	12	20.87	21.16	20.95			
5	64QAM	1	24	20.98	20.80	21.09	21.5	3	
5	64QAM	12	0	20.24	20.47	20.32			
5	64QAM	12	7	20.36	20.16	20.38			
5	64QAM	12	13	20.30	20.15	20.17	21.5	3	
5	64QAM	25	0	19.99	20.00	19.86			

Band 41 Ant2 Default power										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	25	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.86	23.85	23.96	23.69	23.89		
20	QPSK	1	49	23.68	23.67	23.75	23.71	23.74	24	1
20	QPSK	1	99	23.73	23.64	23.66	23.81	23.67		
20	QPSK	50	0	22.87	22.88	22.93	22.81	22.86		
20	QPSK	50	24	22.78	22.76	22.86	22.80	22.92	24	1
20	QPSK	50	50	22.77	22.76	22.85	22.66	22.78		
20	QPSK	100	0	22.79	22.84	22.91	22.78	22.81		
20	16QAM	1	0	23.03	22.97	23.09	22.96	22.96	24	1
20	16QAM	1	49	22.84	22.94	23.06	22.84	22.85		
20	16QAM	1	99	22.76	22.74	22.76	22.79	22.75		
20	16QAM	50	0	21.87	21.84	22.00	21.93	21.85	23	2
20	16QAM	50	24	21.86	21.75	21.81	21.78	21.78		
20	16QAM	50	50	21.77	21.72	21.85	21.71	21.81		
20	16QAM	100	0	21.81	21.81	21.83	21.81	21.78	23	2
20	64QAM	1	0	21.70	21.73	21.78	21.78	21.62		
20	64QAM	1	49	21.74	21.69	21.79	21.74	21.73		
20	64QAM	1	99	21.70	21.73	21.74	21.64	21.66	22	3
20	64QAM	50	0	20.83	20.78	20.99	20.78	20.76		
20	64QAM	50	24	20.70	20.71	20.77	20.68	20.71		
20	64QAM	50	50	20.75	20.78	20.81	20.66	20.76	20.82	20.82
20	64QAM	100	0	20.80	20.77	20.81	20.73	20.82		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	25.00	0
15	QPSK	1	0	23.71	23.71	23.88	23.62	23.77		
15	QPSK	1	37	23.59	23.61	23.69	23.59	23.61	24	1
15	QPSK	1	74	23.64	23.54	23.62	23.73	23.59		
15	QPSK	36	0	22.78	22.78	22.79	22.71	22.71		
15	QPSK	36	20	22.72	22.71	22.78	22.68	22.77	24	1
15	QPSK	36	39	22.62	22.63	22.81	22.50	22.69		
15	QPSK	75	0	22.74	22.78	22.80	22.63	22.73		
15	16QAM	1	0	22.98	22.88	22.96	22.82	22.84	24	1
15	16QAM	1	37	22.80	22.82	23.01	22.71	22.76		
15	16QAM	1	74	22.66	22.68	22.69	22.66	22.66		
15	16QAM	36	0	21.73	21.74	21.92	21.83	21.75	23	2
15	16QAM	36	20	21.78	21.65	21.65	21.73	21.70		
15	16QAM	36	39	21.66	21.63	21.81	21.57	21.73		
15	16QAM	75	0	21.74	21.72	21.77	21.66	21.66	23	2
15	64QAM	1	0	21.64	21.62	21.69	21.63	21.50		
15	64QAM	1	37	21.63	21.53	21.65	21.68	21.61		
15	64QAM	1	74	21.57	21.69	21.63	21.58	21.59	22	3
15	64QAM	36	0	20.75	20.73	20.90	20.65	20.61		
15	64QAM	36	20	20.85	20.87	20.66	20.55	20.61		
15	64QAM	36	39	20.62	20.74	20.74	20.62	20.63	20.82	20.82
15	64QAM	75	0	20.65	20.69	20.67	20.65	20.77		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685	25.00	0
10	QPSK	1	0	23.74	23.79	23.92	23.54	23.80		
10	QPSK	1	25	23.61	23.55	23.67	23.56	23.64		
10	QPSK	1	49	23.61	23.53	23.60	23.75	23.56	24	1
10	QPSK	25	0	22.76	22.73	22.83	22.75	22.75		
10	QPSK	25	12	22.68	22.70	22.78	22.73	22.78		
10	QPSK	25	25	22.65	22.62	22.71	22.52	22.67	24	1
10	QPSK	50	0	22.65	22.70	22.84	22.63	22.69		
10	16QAM	1	0	22.95	22.88	22.95	22.84	22.81		
10	16QAM	1	25	22.72	22.86	22.90	22.75	22.74	24	1
10	16QAM	1	49	22.72	22.68	22.68	22.67	22.65		
10	16QAM	25	0	21.74	21.71	21.86	21.88	21.80		
10	16QAM	25	12	21.80	21.67	21.69	21.72	21.70	23	2
10	16QAM	25	25	21.72	21.63	21.73	21.65	21.77		
10	16QAM	50	0	21.74	21.67	21.79	21.66	21.66		
10	64QAM	1	0	21.59	21.62	21.72	21.68	21.53	23	2
10	64QAM	1	25	21.63	21.54	21.63	21.70	21.58		
10	64QAM	1	49	21.57	21.62	21.66	21.56	21.56		
10	64QAM	25	0	20.68	20.64	20.86	20.64	20.68	22	3
10	64QAM	25	12	20.62	20.66	20.68	20.64	20.65		
10	64QAM	25	25	20.67	20.68	20.74	20.59	20.64		
10	64QAM	50	0	20.67	20.70	20.75	20.67	20.75	20.82	20.82
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	23.57	23.71	23.81	23.57	23.76	25.00	0
5	QPSK	1	12	23.37	23.55	23.70	23.67	23.62		
5	QPSK	1	24	23.42	23.60	23.52	23.65	23.53		
5	QPSK	12	0	22.56	22.77	22.86	22.75	22.70	24	1
5	QPSK	12	7	22.50	22.66	22.76	22.71	22.87		
5	QPSK	12	13	22.44	22.70	22.80	22.62	22.73		
5	QPSK	25	0	22.51	22.71	22.86	22.70	22.72	24	1
5	16QAM	1	0	22.78	22.86	22.94	22.82	22.87		
5	16QAM	1	12	22.58	22.84	22.95	22.74	22.77		
5	16QAM	1	24	22.45	22.61	22.64	22.72	22.71	23	2
5	16QAM	12	0	21.54	21.73	21.90	21.86	21.70		
5	16QAM	12	7	21.50	21.61	21.69	21.68	21.71		
5	16QAM	12	13	21.44	21.65	21.77	21.66	21.68	23	2
5	16QAM	25	0	21.57	21.72	21.75	21.72	21.71		
5	64QAM	1	0	21.38	21.68	21.74	21.70	21.56		
5	64QAM	1	12	21.50	21.56	21.69	21.67	21.66	23	2
5	64QAM	1	24	21.36	21.68	21.66	21.56	21.50		
5	64QAM	12	0	20.57	20.69	20.84	20.66	20.68		
5	64QAM	12	7	20.43	20.63	20.67	20.54	20.64	22	3
5	64QAM	12	13	20.44	20.71	20.74	20.53	20.70		
5	64QAM	25	0	20.51	20.63	20.76	20.66	20.71		

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

GSM1900 Ant4 Default power								
Burst Average Power (dBm)				Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
GSM1900	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)								
GSM 1 Tx slot	29.54	29.74	29.58	30.50	20.54	20.74	20.58	21.50
GPRS 1 Tx slot	29.62	29.79	29.59	30.50	20.62	20.79	20.59	21.50
GPRS 2 Tx slots	26.04	26.22	26.03	27.50	20.04	20.22	20.03	21.50
GPRS 3 Tx slots	24.22	24.21	24.21	26.00	19.96	19.95	19.95	21.74
GPRS 4 Tx slots	23.21	23.25	23.24	24.50	20.21	20.25	20.24	21.50
EDGE 1 Tx slot	26.08	26.08	26.00	27.50	17.08	17.08	17.00	18.50
EDGE 2 Tx slots	23.09	23.14	23.14	24.50	17.09	17.14	17.14	18.50
EDGE 3 Tx slots	21.87	21.96	21.86	23.00	17.61	17.70	17.60	18.74
EDGE 4 Tx slots	20.61	20.69	20.53	21.50	17.61	17.69	17.53	18.50

WCDMA II Ant4 Default power					WCDMA IV Ant4 Default power				WCDMA V Ant4 Default power			
WCDMA II				Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
Band	9262	9400	9538		1312	1413	1513		4132	4182	4233	
TX Channel	9662	9800	9938		1537	1638	1738		4357	4407	4458	
Rx Channel	9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)	1652.4	1680	1707.6		1712.4	1722.5	1752.6		2636.4	2654	2683.6	
3GPP Rel 99	23.88	24.06	24.02	25.00	23.78	23.61	23.77	25.00	24.08	24.22	24.15	25.50
3GPP Rel 99	RMC 12.2Kbps	24.06	24.12	24.08	25.00	23.86	23.87	23.84	24.28	24.31	24.29	25.50
3GPP Rel 6	HSDPA Subtest-1	23.13	23.02	22.90	24.00	22.90	22.83	22.70	23.24	23.48	23.33	24.50
3GPP Rel 6	HSDPA Subtest-2	22.94	22.96	22.98	24.00	22.86	22.84	22.83	23.24	23.18	23.47	24.50
3GPP Rel 6	HSDPA Subtest-3	22.86	22.53	22.57	23.50	22.39	22.20	22.36	22.89	22.90	22.89	24.00
3GPP Rel 6	HSDPA Subtest-4	22.60	22.75	22.60	23.50	22.17	22.29	22.20	22.80	22.68	22.80	24.00
3GPP Rel 8	DC-HSDPA Subtest-1	22.93	23.02	23.11	24.00	22.99	22.99	22.95	24.00	23.22	23.35	23.31
3GPP Rel 8	DC-HSDPA Subtest-2	22.94	23.08	23.24	24.00	22.89	22.89	22.86	24.00	23.32	23.21	23.35
3GPP Rel 8	DC-HSDPA Subtest-3	22.63	22.64	22.60	23.50	22.37	22.33	22.29	23.50	22.70	22.96	22.73
3GPP Rel 8	DC-HSDPA Subtest-4	22.47	22.76	22.70	23.50	22.36	22.34	22.39	23.50	22.77	22.98	22.84
3GPP Rel 6	HSUPA Subtest-1	22.88	23.21	22.97	24.00	22.93	22.74	22.74	24.00	23.26	23.24	23.35
3GPP Rel 6	HSUPA Subtest-2	20.96	21.11	21.20	22.00	20.80	20.86	20.93	22.00	21.18	21.25	21.31
3GPP Rel 6	HSUPA Subtest-3	21.93	22.12	21.93	23.00	21.80	21.89	21.67	23.00	22.31	22.32	22.27
3GPP Rel 6	HSUPA Subtest-4	21.13	21.21	21.15	22.00	20.88	20.90	20.72	22.00	21.35	21.43	21.34
3GPP Rel 6	HSUPA Subtest-5	23.00	23.13	23.06	24.00	22.68	23.01	22.89	24.00	23.12	23.29	23.43
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.45	20.52	20.55	21.50	20.36	20.38	20.35	21.50	20.87	20.87	20.90

Band 2 Ant4 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				1870	1890	1900	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1880	1900	1920			
20	QPSK	1	0	24.24	24.24	24.20	25	0	
20	QPSK	1	49	24.14	24.12	24.25			
20	QPSK	1	99	24.05	24.02	24.15			
20	QPSK	50	0	23.19	23.23	23.21			
20	QPSK	50	24	23.15	23.16	23.12			
20	QPSK	50	50	23.05	23.09	23.08	24	1	
20	QPSK	100	0	23.10	23.20	23.05			
20	16QAM	1	0	23.10	23.12	23.11			
20	16QAM	1	49	23.04	23.06	23.08			
20	16QAM	1	99	23.01	22.97	22.97			
20	16QAM	50	0	22.27	22.28	22.37	23	2	
20	16QAM	50	24	22.00	22.30	22.10			
20	16QAM	50	50	22.12	22.08	22.19			
20	16QAM	100	0	21.70	21.85	21.70			
20	64QAM	1	0	22.18	22.21	22.29			
20	64QAM	1	49	21.93	22.22	22.03	23	2	
20	64QAM	1	99	22.08	21.98	22.08			
20	64QAM	50	0	21.43	21.48	21.51			
20	64QAM	50	24	21.45	21.49	21.43			
20	64QAM	50	50	21.37	21.34	21.69			
20	64QAM	100	0	21.35	21.40	21.39	22	3	
Channel				1887.5	18900	1902.5			
Frequency (MHz)				1887.5	18900	1902.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	24.17	24.11	24.07	25	0	
15	QPSK	1	37	24.08	24.04	24.14			
15	QPSK	1	74	23.94	23.95	24.06			
15	QPSK	36	0	23.09	23.12	23.16			
15	QPSK	36	20	23.01	23.10	23.00			
15	QPSK	36	39	22.91	22.98	22.94	24	1	
15	QPSK	75	0	22.98	23.21	22.29			
15	16QAM	1	0	22.98	22.98	23.00			
15	16QAM	1	37	22.94	22.96	23.02			
15	16QAM	1	74	22.88	22.89	22.82			
15	16QAM	36	0	22.18	22.14	22.25	23	2	
15	16QAM	36	20	21.85	22.20	21.95			
15	16QAM	36	39	22.00	22.00	22.08			
15	16QAM	75	0	21.58	21.74	21.63			
15	64QAM	1	0	22.07	22.08	22.18			
15	64QAM	1	37	21.86	22.10	21.90	23	2	
15	64QAM	1	74	21.99	21.84	21.96			
15	64QAM	36	0	21.38	21.36	21.40			
15	64QAM	36	20	21.38	21.39	21.30			
15	64QAM	36	39	21.28	21.28	21.56			
15	64QAM	75	0	21.30	21.38	21.35	22	3	
Channel				18950	18900	19150			
Frequency (MHz)				18950	18900	1907.5	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	24.10	24.17	24.08	25	0	
10	QPSK	1	25	24.08	24.03	24.18			
10	QPSK	1	49	23.97	23.96	24.07			
10	QPSK	25	0	23.12	23.13	23.10			
10	QPSK	25	12	23.04	23.04	22.98			
10	QPSK	25	25	22.83	22.96	22.99	24	1	
10	QPSK	50	0	22.96	23.12	22.97			
10	16QAM	1	0	22.97	22.98	23.02			
10	16QAM	1	25	22.93	22.93	23.00			
10	16QAM	1	49	22.91	22.86	22.86			
10	16QAM	25	0	22.13	22.19	22.28	23	2	
10	16QAM	25	12	21.84	22.16	21.98			
10	16QAM	25	25	22.05	21.97	22.10			
10	16QAM	50	0	21.81	21.73	21.82			
10	64QAM	1	0	22.13	22.14	22.23			
10	64QAM	1	25	21.87	22.12	21.93	23	2	
10	64QAM	1	49	21.99	21.87	22.02			
10	64QAM	25	0	21.31	21.34	21.42			
10	64QAM	25	12	21.36	21.42	21.29			
10	64QAM	25	25	21.32	21.42	21.56			
10	64QAM	50	0	21.30	21.35	21.33	22	3	
Channel				18925	18900	19175			
Frequency (MHz)				1892.5	18900	1907.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	24.12	24.11	24.06	25	0	
5	QPSK	1	12	24.09	23.99	24.14			
5	QPSK	1	24	23.95	23.90	24.03			
5	QPSK	12	0	23.10	23.14	23.18			
5	QPSK	12	7	23.01	23.05	22.97			
5	QPSK	12	13	22.98	23.02	22.94	24	1	
5	QPSK	25	0	23.00	23.06	23.00			
5	16QAM	1	0	23.01	22.98	23.01			
5	16QAM	1	12	22.95	22.93	23.00			
5	16QAM	1	24	22.94	22.82	22.87			
5	16QAM	12	0	22.13	22.18	22.27	23	2	
5	16QAM	12	7	21.80	22.24	21.98			
5	16QAM	12	13	22.03	22.00	22.07			
5	16QAM	25	0	21.83	21.78	21.84			
5	64QAM	1	0	22.10	22.12	22.19			
5	64QAM	1	12	21.88	22.10	21.92	23	2	
5	64QAM	1	24	22.00	21.86	22.01			
5	64QAM	12	0	21.37	21.40	21.45			
5	64QAM	12	7	21.32	21.43	21.36			
5	64QAM	12	13	21.25	21.39	21.55			
5	64QAM	25	0	21.30	21.34	21.35	22	3	
Channel				18915	18900	19185			
Frequency (MHz)				1891.5	18900	1908.5	Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	24.18	24.13	24.14	25	0	
3	QPSK	1	8	24.06	24.02	24.14			
3	QPSK	1	14	23.92	23.91	24.01			
3	QPSK	8	0	23.13	23.16	23.18			
3	QPSK	8	4	23.06	23.02	23.06			
3	QPSK	8	7	22.99	22.96	23.02	24	1	
3	QPSK	15	0	23.01	23.12	22.92			
3	16QAM	1	0	23.03	22.99	23.03			
3	16QAM	1	8	22.96	22.98	22.94			
3	16QAM	1	14	22.95	22.87	22.85			
3	16QAM	8	0	22.16	22.17	22.27	23	2	
3	16QAM	8	4	21.83	22.19	22.04			
3	16QAM	8	7	21.98	21.84	22.07			
3	16QAM	15	0	21.84	21.75	21.84			
3	64QAM	1	0	22.07	22.14	22.15			
3	64QAM	1	8	21.87	22.12	21.95	23	2	
3	64QAM	1	14	22.00	21.92	21.94			
3	64QAM	8	0	21.37	21.39	21.36			
3	64QAM	8	4	21.34	21.38	21.28			
3	64QAM	8	7	21.29	21.23	21.55			
3	64QAM	15	0	21.31	21.34	21.34	22	3	
Channel				18907	18900	19193			
Frequency (MHz)				1890.7	18900	1909.3	Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	24.14	24.17	24.13	25	0	
1.4	QPSK	1	3	24.05	23.98	24.17			
1.4	QPSK	1	5	23.98	23.92	24.07			
1.4	QPSK	3	0	24.13	24.07	24.13			
1.4	QPSK	3	1	24.06	24.11	23.98			
1.4	QPSK	3	3	23.96	24.03	23.94	24	1	
1.4	QPSK	6	0	23.05	23.13	22.98			
1.4	16QAM	1	0	22.97	22.98	23.04			
1.4	16QAM	1	3	22.94	22.98	22.94			
1.4	16QAM	1	5	22.92	22.91	22.85			
1.4	16QAM	3	0	23.17	23.13	23.32	23	2	
1.4	16QAM	3	1	22.83	23.16	22.97			
1.4	16QAM	3	3	22.98	22.98	23.11			

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

Band 7 Ant4 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	23.79	23.95	23.83	25.5	0	
20	QPSK	1	49	23.74	23.72	23.70			
20	QPSK	1	99	23.59	23.67	23.64			
20	QPSK	50	0	22.63	22.72	22.69	24.5	1	
20	QPSK	50	24	22.62	22.66	22.65			
20	QPSK	50	50	22.59	22.62	22.61			
20	QPSK	100	0	22.61	22.86	22.85	24.5	1	
20	16QAM	1	0	22.96	22.90	22.97			
20	16QAM	1	49	22.79	22.88	22.81			
20	16QAM	1	99	22.70	22.83	22.76	23.5	2	
20	16QAM	50	0	21.75	21.84	21.80			
20	16QAM	50	24	21.66	21.69	21.67			
20	16QAM	50	50	21.69	21.75	21.64	23.5	2	
20	16QAM	100	0	21.75	21.81	21.70			
20	64QAM	1	0	21.94	22.04	22.09			
20	64QAM	1	49	21.95	22.03	21.86	22.5	3	
20	64QAM	1	99	21.83	21.94	21.81			
20	64QAM	50	0	20.90	20.99	20.86			
20	64QAM	50	24	20.77	20.76	20.70	22.5	3	
20	64QAM	50	50	20.75	20.82	20.71			
20	64QAM	100	0	20.88	20.94	20.77			
Channel				20807.5	21100	21400.5	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	23.80	23.81	23.78	25.5	0	
15	QPSK	1	37	23.66	23.71	23.67			
15	QPSK	1	74	23.57	23.64	23.64			
15	QPSK	36	0	22.62	22.71	22.65	24.5	1	
15	QPSK	36	20	22.58	22.56	22.66			
15	QPSK	36	39	22.58	22.63	22.54			
15	QPSK	75	0	22.77	22.68	22.67	24.5	1	
15	16QAM	1	0	22.77	22.88	22.94			
15	16QAM	1	37	22.71	22.83	22.81			
15	16QAM	1	74	22.66	22.76	22.75	23.5	2	
15	16QAM	36	0	21.70	21.75	21.77			
15	16QAM	36	20	21.62	21.61	21.61			
15	16QAM	36	39	21.62	21.65	21.61	23.5	2	
15	16QAM	75	0	21.87	21.92	21.94			
15	64QAM	1	0	21.89	21.97	22.08			
15	64QAM	1	37	21.89	21.95	21.85	22.5	3	
15	64QAM	1	74	21.73	21.93	21.91			
15	64QAM	36	0	20.91	20.99	20.86			
15	64QAM	36	20	20.71	20.68	20.65	22.5	3	
15	64QAM	36	39	20.71	20.68	20.61			
15	64QAM	75	0	20.85	20.96	20.74			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	23.70	23.84	23.73	25.5	0	
10	QPSK	1	25	23.67	23.72	23.63			
10	QPSK	1	49	23.52	23.65	23.57			
10	QPSK	25	0	22.54	22.65	22.60	24.5	1	
10	QPSK	25	12	22.56	22.61	22.66			
10	QPSK	25	25	22.57	22.64	22.61			
10	QPSK	50	0	22.52	22.67	22.61	24.5	1	
10	16QAM	1	0	22.85	22.85	22.92			
10	16QAM	1	25	22.71	22.86	22.78			
10	16QAM	1	49	22.66	22.76	22.67	23.5	2	
10	16QAM	25	0	21.71	21.82	21.77			
10	16QAM	25	12	21.61	21.88	21.60			
10	16QAM	25	25	21.62	21.92	21.68	22.5	3	
10	16QAM	50	0	21.75	21.72	21.72			
10	64QAM	1	0	21.94	21.99	22.10			
10	64QAM	1	25	21.95	21.96	21.79	23.5	2	
10	64QAM	1	49	21.76	21.89	21.76			
10	64QAM	25	0	20.88	20.97	20.81			
10	64QAM	25	12	20.69	20.68	20.66	22.5	3	
10	64QAM	25	25	20.72	20.73	20.69			
10	64QAM	50	0	20.85	20.85	20.79			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	23.79	23.84	23.77	25.5	0	
5	QPSK	1	12	23.66	23.68	23.62			
5	QPSK	1	24	23.54	23.61	23.65			
5	QPSK	12	0	22.59	22.69	22.62	24.5	1	
5	QPSK	12	7	22.53	22.64	22.61			
5	QPSK	12	13	22.52	22.62	22.62			
5	QPSK	25	0	22.51	22.66	22.57	24.5	1	
5	16QAM	1	0	22.87	22.85	22.97			
5	16QAM	1	12	22.79	22.88	22.80			
5	16QAM	1	24	22.65	22.83	22.78	23.5	2	
5	16QAM	12	0	21.70	21.82	21.76			
5	16QAM	12	7	21.62	21.89	21.68			
5	16QAM	12	13	21.68	21.75	21.63	22.5	3	
5	16QAM	25	0	21.72	21.75	21.68			
5	64QAM	1	0	21.95	21.98	22.04			
5	64QAM	1	12	21.96	21.94	21.88	23.5	2	
5	64QAM	1	24	21.84	21.90	21.73			
5	64QAM	12	0	20.82	20.98	20.67			
5	64QAM	12	7	20.89	20.73	20.73	22.5	3	
5	64QAM	12	13	20.66	20.93	20.63			
5	64QAM	25	0	20.90	20.89	20.78			

Band 38 Ant4 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	25.5	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	23.84	23.86	23.83			
20	QPSK	1	49	23.78	23.79	23.81	24.5	1	
20	QPSK	1	99	23.80	23.83	23.77			
20	QPSK	50	0	22.78	22.83	22.76			
20	QPSK	50	24	22.71	22.76	22.79	24.5	1	
20	QPSK	50	50	22.75	22.70	22.72			
20	QPSK	100	0	22.61	22.74	22.72			
20	16QAM	1	0	22.92	22.94	22.96	24.5	1	
20	16QAM	1	49	22.91	22.89	22.96			
20	16QAM	1	99	22.88	22.94	22.92			
20	16QAM	50	0	21.88	21.95	21.86	23.5	2	
20	16QAM	50	24	21.77	21.92	21.91			
20	16QAM	50	50	21.88	21.84	21.84			
20	16QAM	100	0	21.76	21.87	21.88	23.5	2	
20	64QAM	1	0	21.96	22.01	22.10			
20	64QAM	1	49	21.98	21.97	22.11			
20	64QAM	1	99	22.03	22.02	22.05	22.5	3	
20	64QAM	50	0	20.96	21.09	20.94			
20	64QAM	50	24	20.83	21.00	21.00			
20	64QAM	50	50	21.02	20.93	20.90	22.5	3	
20	64QAM	100	0	20.84	21.03	21.01			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5	25.5	0	
15	QPSK	1	0	23.82	23.84	23.82			
15	QPSK	1	37	23.76	23.78	23.75	24.5	1	
15	QPSK	1	74	23.74	23.81	23.77			
15	QPSK	36	0	22.78	22.73	22.71			
15	QPSK	36	20	22.73	22.68	22.79	24.5	1	
15	QPSK	36	39	22.71	22.71	22.70			
15	QPSK	75	0	22.61	22.72	22.73			
15	16QAM	1	0	22.92	22.90	22.91	24.5	1	
15	16QAM	1	37	22.86	22.86	22.98			
15	16QAM	1	74	22.81	22.84	22.85			
15	16QAM	36	0	21.81	21.88	21.85	23.5	2	
15	16QAM	36	20	21.69	21.85	21.89			
15	16QAM	36	39	21.79	21.84	21.82			
15	16QAM	75	0	21.75	21.88	21.87	23.5	2	
15	64QAM	1	0	21.95	21.99	22.02			
15	64QAM	1	37	21.94	21.90	22.11			
15	64QAM	1	74	22.00	22.00	21.96	22.5	3	
15	64QAM	36	0	20.94	21.03	20.93			
15	64QAM	36	20	20.76	20.97	21.00			
15	64QAM	36	39	20.95	20.84	20.90	22.5	3	
15	64QAM	75	0	20.80	20.96	20.98			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615	25.5	0	
10	QPSK	1	0	23.79	23.80	23.78			
10	QPSK	1	25	23.78	23.78	23.82	24.5	1	
10	QPSK	1	49	23.75	23.82	23.72			
10	QPSK	25	0	22.78	22.75	22.72			
10	QPSK	25	12	22.65	22.70	22.70	24.5	1	
10	QPSK	25	25	22.69	22.66	22.74			
10	QPSK	50	0	22.53	22.68	22.66			
10	16QAM	1	0	22.88	22.87	22.96	24.5	1	
10	16QAM	1	25	22.84	22.85	22.97			
10	16QAM	1	49	22.86	22.95	22.94			
10	16QAM	25	0	21.80	21.93	21.83	23.5	2	
10	16QAM	25	12	21.68	21.85	21.87			
10	16QAM	25	25	21.87	21.84	21.79			
10	16QAM	50	0	21.74	21.85	21.83	23.5	2	
10	64QAM	1	0	21.90	21.94	22.07			
10	64QAM	1	25	21.92	21.96	22.11			
10	64QAM	1	49	21.97	22.00	21.99	22.5	3	
10	64QAM	25	0	20.87	21.11	20.96			
10	64QAM	25	12	20.74	20.92	21.01			
10	64QAM	25	25	20.96	20.85	20.89	22.5	3	
10	64QAM	50	0	20.78	21.01	21.00			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5	25.5	0	
5	QPSK	1	0	23.84	23.79	23.78			
5	QPSK	1	12	23.77	23.81	23.81	24.5	1	
5	QPSK	1	24	23.80	23.77	23.73			
5	QPSK	12	0	22.75	22.80	22.76	24.5	1	
5	QPSK	12	7	22.65	22.73	22.77			
5	QPSK	12	13	22.76	22.67	22.71			
5	QPSK	25	0	22.60	22.68	22.72	24.5	1	
5	16QAM	1	0	22.89	22.89	22.98			
5	16QAM	1	12	22.92	22.81	22.88			
5	16QAM	1	24	22.89	22.90	22.85	23.5	2	
5	16QAM	12	0	21.84	21.88	21.82			
5	16QAM	12	7	21.68	21.83	21.90			
5	16QAM	12	13	21.80	21.79	21.76	23.5	2	
5	16QAM	25	0	21.69	21.87	21.89			
5	64QAM	1	0	21.89	21.97	22.05			
5	64QAM	1	12	21.98	21.95	22.11	22.5	3	
5	64QAM	1	24	21.96	21.95	22.02			
5	64QAM	12	0	20.97	21.10	20.92			
5	64QAM	12	7	20.84	21.01	20.92	22.5	3	
5	64QAM	12	13	20.94	20.92	20.81			
5	64QAM	25	0	20.80	20.99	20.97			

Band 41 Ant4 Default power										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	25.5	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.86	23.87	23.96	23.73	23.88		
20	QPSK	1	49	23.66	23.70	23.77	23.65	23.71	24.5	1
20	QPSK	1	99	23.67	23.69	23.71	23.67	23.65		
20	QPSK	50	0	22.88	22.86	22.94	22.81	22.87		
20	QPSK	50	24	22.80	22.76	22.90	22.84	22.86	24.5	1
20	QPSK	50	50	22.79	22.72	22.83	22.69	22.78		
20	QPSK	100	0	22.79	22.87	22.91	22.76	22.77		
20	16QAM	1	0	23.03	23.02	23.04	23.00	22.95	24.5	1
20	16QAM	1	49	22.90	22.92	23.01	22.87	22.88		
20	16QAM	1	99	22.71	22.78	22.75	22.74	22.72		
20	16QAM	50	0	21.92	21.89	21.98	21.90	21.84	23.5	2
20	16QAM	50	24	21.80	21.77	21.84	21.72	21.81		
20	16QAM	50	50	21.74	21.69	21.83	21.69	21.76		
20	16QAM	100	0	21.75	21.79	21.87	21.80	21.77	23.5	2
20	64QAM	1	0	21.67	21.71	21.77	21.74	21.63		
20	64QAM	1	49	21.70	21.73	21.84	21.79	21.78		
20	64QAM	1	99	21.69	21.68	21.74	21.67	21.66	22.5	3
20	64QAM	50	0	20.80	20.79	20.94	20.80	20.82		
20	64QAM	50	24	20.67	20.73	20.79	20.71	20.65		
20	64QAM	50	50	20.76	20.73	20.81	20.68	20.72	22.5	3
20	64QAM	100	0	20.75	20.79	20.83	20.73	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	25.50	0
15	QPSK	1	0	23.80	23.79	23.86	23.63	23.84		
15	QPSK	1	37	23.61	23.57	23.69	23.60	23.57		
15	QPSK	1	74	23.62	23.64	23.63	23.59	23.53	24.5	1
15	QPSK	36	0	22.85	22.77	22.82	22.73	22.83		
15	QPSK	36	20	22.67	22.61	22.79	22.73	22.74		
15	QPSK	36	39	22.70	22.63	22.70	22.58	22.75	24.5	1
15	QPSK	75	0	22.67	22.74	22.86	22.62	22.71		
15	16QAM	1	0	22.90	22.92	22.95	22.86	22.89		
15	16QAM	1	37	22.77	22.85	22.90	22.82	22.79	24.5	1
15	16QAM	1	74	22.66	22.56	22.72	22.66	22.68		
15	16QAM	36	0	21.78	21.81	21.84	21.77	21.77		
15	16QAM	36	20	21.71	21.66	21.70	21.60	21.74	23.5	2
15	16QAM	36	39	21.63	21.56	21.77	21.65	21.67		
15	16QAM	75	0	21.69	21.67	21.80	21.73	21.68		
15	64QAM	1	0	21.54	21.61	21.64	21.64	21.60	23.5	2
15	64QAM	1	37	21.56	21.63	21.71	21.68	21.68		
15	64QAM	1	74	21.59	21.54	21.67	21.56	21.61		
15	64QAM	36	0	20.68	20.72	20.90	20.73	20.78	22.5	3
15	64QAM	36	20	20.60	20.68	20.71	20.59	20.59		
15	64QAM	36	39	20.64	20.64	20.71	20.60	20.66		
15	64QAM	75	0	20.65	20.73	20.77	20.61	20.75		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685	25.50	0
10	QPSK	1	0	23.72	23.82	23.81	23.62	23.74		
10	QPSK	1	25	23.58	23.61	23.67	23.55	23.60		
10	QPSK	1	49	23.55	23.56	23.66	23.59	23.59	24.5	1
10	QPSK	25	0	22.79	22.75	22.84	22.68	22.78		
10	QPSK	25	12	22.66	22.73	22.85	22.81	22.81		
10	QPSK	25	25	22.67	22.66	22.72	22.60	22.67	24.5	1
10	QPSK	50	0	22.72	22.73	22.86	22.64	22.69		
10	16QAM	1	0	22.88	22.94	22.95	22.93	22.91		
10	16QAM	1	25	22.87	22.81	22.95	22.79	22.83	24.5	1
10	16QAM	25	0	22.68	22.60	22.70	22.58	22.59		
10	16QAM	25	0	21.77	21.77	21.86	21.76	21.78		
10	16QAM	25	12	21.71	21.70	21.76	21.60	21.66	23.5	2
10	16QAM	25	25	21.63	21.57	21.80	21.58	21.69		
10	16QAM	50	0	21.69	21.67	21.81	21.67	21.70		
10	64QAM	1	0	21.54	21.59	21.68	21.63	21.60	23.5	2
10	64QAM	1	25	21.55	21.67	21.71	21.71	21.70		
10	64QAM	1	49	21.65	21.62	21.64	21.62	21.62		
10	64QAM	25	0	20.72	20.64	20.89	20.77	20.74	22.5	3
10	64QAM	25	12	20.55	20.62	20.72	20.66	20.54		
10	64QAM	25	25	20.63	20.61	20.70	20.64	20.63		
10	64QAM	50	0	20.72	20.69	20.77	20.64	20.69		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	25.50	0
5	QPSK	1	0	23.74	23.79	23.88	23.63	23.82		
5	QPSK	1	12	23.55	23.61	23.74	23.56	23.63		
5	QPSK	1	24	23.53	23.65	23.63	23.62	23.52	24.5	1
5	QPSK	12	0	22.83	22.73	22.88	22.75	22.77		
5	QPSK	12	7	22.71	22.65	22.82	22.76	22.76		
5	QPSK	12	13	22.70	22.58	22.74	22.65	22.68	24.5	1
5	QPSK	25	0	22.73	22.76	22.80	22.65	22.70		
5	16QAM	1	0	22.98	22.90	22.95	22.92	22.92		
5	16QAM	1	12	22.77	22.80	22.93	22.73	22.78	24.5	1
5	16QAM	1	24	22.68	22.66	22.69	22.63	22.67		
5	16QAM	12	0	21.88	21.82	21.92	21.78	21.79		
5	16QAM	12	7	21.70	21.64	21.77	21.64	21.78	23.5	2
5	16QAM	12	13	21.64	21.65	21.70	21.56	21.71		
5	16QAM	25	0	21.67	21.72	21.73	21.70	21.67		
5	64QAM	1	0	21.61	21.58	21.72	21.71	21.57	23.5	2
5	64QAM	1	12	21.67	21.68	21.80	21.65	21.70		
5	64QAM	1	24	21.61	21.60	21.61	21.62	21.60		
5	64QAM	12	0	20.73	20.67	20.87	20.68	20.75	22.5	3
5	64QAM	12	7	20.59	20.67	20.70	20.60	20.58		
5	64QAM	12	13	20.68	20.64	20.69	20.59	20.66		
5	64QAM	25	0	20.61	20.67	20.71	20.69	20.66		

Reduced power level for WWAN DSI4

GSM850 Ant1 Default power

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.60	32.76	32.75	33.50	23.60	23.76	23.75	24.50
GPRS 1 Tx slot	32.69	32.78	32.69	33.50	23.69	23.78	23.69	24.50
GPRS 2 Tx slots	30.09	30.29	30.29	31.00	24.09	24.29	24.29	25.00
GPRS 3 Tx slots	29.10	29.22	29.03	29.50	24.84	24.96	24.77	25.24
GPRS 4 Tx slots	27.05	27.14	27.03	28.00	24.05	24.14	24.03	25.00
EDGE 1 Tx slot	27.03	27.18	27.01	28.50	18.03	18.19	18.01	19.50
EDGE 2 Tx slots	24.22	24.41	24.43	25.50	18.22	18.41	18.43	19.50
EDGE 3 Tx slots	22.15	22.36	22.27	24.00	17.89	18.10	18.01	19.74
EDGE 4 Tx slots	21.08	21.15	20.94	22.50	18.08	18.15	17.94	19.50

GSM1900 Ant1 DSI4

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1859.2	1880	1909.8		1859.2	1880	1909.8	
Frequency (MHz)	1859.2	1880	1909.8		1859.2	1880	1909.8	
GSM 1 Tx slot	25.51	25.55	25.49	26.50	16.51	16.55	16.48	17.50
GPRS 1 Tx slot	25.56	25.58	25.52	26.50	16.56	16.58	16.52	17.50
GPRS 2 Tx slots	22.63	22.61	22.56	23.50	16.63	16.61	16.56	17.50
GPRS 3 Tx slots	20.55	20.60	20.53	22.00	16.29	16.34	16.27	17.74
GPRS 4 Tx slots	19.49	19.48	19.44	20.50	16.49	16.48	16.44	17.50
EDGE 1 Tx slot	22.03	22.09	22.11	23.50	13.03	13.09	13.11	14.50
EDGE 2 Tx slots	18.77	18.75	18.71	20.50	12.77	12.75	12.71	14.50
EDGE 3 Tx slots	17.21	17.11	17.05	19.00	12.95	12.85	12.79	14.74
EDGE 4 Tx slots	15.64	15.63	15.66	17.50	12.64	12.63	12.66	14.50

WCDMA II Ant1 DSI4

WCDMA IV Ant1 DSI4

WCDMA V Ant1 DSI4

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

Band 2 Ant1 DS14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				18700	18900	19100			
Frequency (MHz)				18650	18850	19050			
20	QPSK	1	0	18.65	18.85	18.72			
20	QPSK	1	49	18.60	18.63	18.61	20.5	0	
20	QPSK	1	99	18.63	18.56	18.53			
20	QPSK	50	0	18.70	18.75	18.58			
20	QPSK	50	24	18.72	18.74	18.63	20.5	0	
20	QPSK	50	50	18.53	18.71	18.67			
20	QPSK	100	0	18.61	18.78	18.64			
20	16QAM	1	0	18.59	18.60	18.78			
20	16QAM	1	49	18.67	18.76	18.67	20.5	0	
20	16QAM	1	99	18.79	18.81	18.55			
20	16QAM	50	0	18.82	18.83	18.62			
20	16QAM	50	24	18.65	18.56	18.81	20.5	0	
20	16QAM	50	50	18.64	18.75	18.68			
20	16QAM	100	0	18.78	18.50	18.72			
20	64QAM	1	0	18.56	18.62	18.55			
20	64QAM	1	49	18.62	18.78	18.72	20.5	0	
20	64QAM	1	99	18.61	18.62	18.70			
20	64QAM	50	0	18.57	18.55	18.71			
20	64QAM	50	24	18.76	18.79	18.67	20.5	0	
20	64QAM	50	50	18.69	18.71	18.72			
20	64QAM	100	0	18.56	18.78	18.52			
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	0	18.61	18.77	18.76			
15	QPSK	1	37	18.65	18.69	18.69	20.5	0	
15	QPSK	1	74	18.58	18.73	18.84			
15	QPSK	36	0	18.61	18.81	18.63			
15	QPSK	36	20	18.56	18.69	18.56	20.5	0	
15	QPSK	36	39	18.59	18.66	18.77			
15	QPSK	75	0	18.62	18.54	18.69			
15	16QAM	1	0	18.82	18.76	18.77			
15	16QAM	1	37	18.71	18.60	18.71	20.5	0	
15	16QAM	1	74	18.77	18.83	18.72			
15	16QAM	36	0	18.72	18.53	18.55			
15	16QAM	36	20	18.74	18.79	18.76	20.5	0	
15	16QAM	36	39	18.80	18.58	18.65			
15	16QAM	75	0	18.75	18.57	18.57			
15	64QAM	1	0	18.65	18.60	18.75			
15	64QAM	1	37	18.72	18.76	18.61	20.5	0	
15	64QAM	1	74	18.76	18.65	18.75			
15	64QAM	36	0	18.57	18.77	18.76			
15	64QAM	36	20	18.58	18.53	18.74	20.5	0	
15	64QAM	36	39	18.68	18.81	18.66			
15	64QAM	75	0	18.60	18.76	18.70			
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	0	18.57	18.59	18.72			
10	QPSK	1	25	18.67	18.60	18.62	20.5	0	
10	QPSK	1	49	18.58	18.64	18.67			
10	QPSK	25	0	18.53	18.76	18.62			
10	QPSK	25	12	18.53	18.64	18.56	20.5	0	
10	QPSK	25	25	18.51	18.69	18.65			
10	QPSK	50	0	18.62	18.56	18.62			
10	16QAM	1	0	18.67	18.62	18.74			
10	16QAM	1	25	18.54	18.61	18.56	20.5	0	
10	16QAM	1	49	18.79	18.72	18.61			
10	16QAM	25	0	18.60	18.52	18.51			
10	16QAM	25	12	18.73	18.67	18.78	20.5	0	
10	16QAM	25	25	18.82	18.59	18.60			
10	16QAM	50	0	18.59	18.59	18.53			
10	64QAM	1	0	18.54	18.56	18.53	20.5	0	
10	64QAM	1	25	18.65	18.73	18.59			
10	64QAM	1	49	18.67	18.51	18.58			
10	64QAM	25	0	18.51	18.57	18.61			
10	64QAM	25	12	18.61	18.68	18.59	20.5	0	
10	64QAM	25	25	18.51	18.62	18.52			
10	64QAM	50	0	18.63	18.64	18.58			
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	0	18.62	18.75	18.61	20.5	0	
5	QPSK	1	12	18.64	18.72	18.73			
5	QPSK	1	24	18.57	18.66	18.70			
5	QPSK	12	0	18.59	18.67	18.65			
5	QPSK	12	7	18.69	18.65	18.58	20.5	0	
5	QPSK	12	13	18.52	18.58	18.77			
5	QPSK	25	0	18.52	18.54	18.50			
5	16QAM	1	0	18.78	18.71	18.70			
5	16QAM	1	12	18.71	18.57	18.56	20.5	0	
5	16QAM	1	24	18.65	18.74	18.65			
5	16QAM	12	0	18.69	18.55	18.57			
5	16QAM	12	7	18.72	18.81	18.66	20.5	0	
5	16QAM	12	13	18.65	18.65	18.53			
5	16QAM	25	0	18.61	18.58	18.53			
5	64QAM	1	0	18.68	18.51	18.75			
5	64QAM	1	12	18.66	18.71	18.57	20.5	0	
5	64QAM	1	24	18.60	18.57	18.58			
5	64QAM	12	0	18.53	18.77	18.79	20.5	0	
5	64QAM	12	7	18.66	18.57	18.57			
5	64QAM	12	13	18.52	18.79	18.57			
5	64QAM	25	0	18.65	18.72	18.54			
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1851.5	1880	1908.5			
3	QPSK	1	0	18.53	18.79	18.76	20.5	0	
3	QPSK	1	8	18.64	18.66	18.71			
3	QPSK	1	14	18.57	18.69	18.74			
3	QPSK	8	0	18.57	18.72	18.60			
3	QPSK	8	4	18.57	18.60	18.57	20.5	0	
3	QPSK	8	7	18.56	18.50	18.72			
3	QPSK	15	0	18.60	18.53	18.71			
3	16QAM	1	0	18.64	18.76	18.71			
3	16QAM	1	8	18.67	18.59	18.69	20.5	0	
3	16QAM	1	14	18.79	18.77	18.72			
3	16QAM	8	0	18.71	18.57	18.59			
3	16QAM	8	4	18.69	18.78	18.81	20.5	0	
3	16QAM	8	7	18.80	18.54	18.60			
3	16QAM	15	0	18.65	18.51	18.65			
3	64QAM	1	0	18.56	18.51	18.56			
3	64QAM	1	8	18.73	18.79	18.59	20.5	0	
3	64QAM	1	14	18.79	18.66	18.59			
3	64QAM	8	0	18.57	18.60	18.75			
3	64QAM	8	4	18.50	18.57	18.66	20.5	0	
3	64QAM	8	7	18.53	18.75	18.67			
3	64QAM	15	0	18.80	18.71	18.55			
Channel				18597	18900	19163	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1850.7	1880	1909.3			
1.4	QPSK	1	0	18.54	18.59	18.77			
1.4	QPSK	1	3	18.65	18.72	18.64	20.5	0	
1.4	QPSK	1	5	18.51	18.72	18.82			
1.4	QPSK	3	0	18.59	18.61	18.54			
1.4	QPSK	3	1	18.55	18.71	18.55			
1.4	QPSK	3	3	18.54	18.58	18.79			
1.4	QPSK	6	0	18.57	18.53	18.67	20.5	0	
1.4	16QAM	1	0	18.74	18.79	18.80			
1.4	16QAM	1	3	18.65	18.60	18.62	20.5	0	
1.4	16QAM	1	5	18.62	18.83	18.63			
1.4	16QAM	3	0	18.75	18.52	18.62			
1.4	16QAM	3	1	18.70	18.73	18.71			
1.4	16QAM	3	3	18.61	18.66	18.60	20.5	0	
1.4	16QAM	6	0	18.55	18.50	18.55			
1.4	64QAM	1	0	18.55	18.52	18.67			
1.4	64QAM	1	3	18.59	18.70	18.59			
1.4	64QAM	1	5	18.60	18.52	18.72			
1.4	64QAM	3	0	18.51	18.68	18.68	20.5	0	
1.4	64QAM	3	1	18.57	18.53	18.65			
1.4	64QAM	3	3	18.68	18.65	18.55			
1.4	64QAM	6	0	18.65	18.76	18.72	20.5	0	

Band 4 Ant1 DS14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20050	20175	20300			
Frequency (MHz)				19750	19750	19750			
20	QPSK	1	0	18.70	19.02	18.90			
20	QPSK	1	49	18.81	18.81	18.89	20.5	0	
20	QPSK	1	99	18.80	18.90	18.84			
20	QPSK	50	0	18.63	18.82	18.66			
20	QPSK	50	24	18.64	18.72	18.55	20.5	0	
20	QPSK	50	50	18.73	18.63	18.80			
20	QPSK	100	0	18.53	18.66	18.52			
20	16QAM	1	0	18.88	18.95	18.97	20.5	0	
20	16QAM	1	49	18.93	18.79	18.92			
20	16QAM	1	99	18.98	18.96	18.95			
20	16QAM	50	0	18.72	18.69	18.54			
20	16QAM	50	24	18.94	18.85	18.95	20.5	0	
20	16QAM	50	50	18.91	18.78	18.78			

Band 5 Ant1 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20450	20525	20600			
Frequency (MHz)				20450	20525	20600			
10	QPSK	1	0	22.86	22.82	22.90	24.5	0	
10	QPSK	1	25	22.89	22.74	22.85			
10	QPSK	1	49	22.65	22.88	22.67			
10	QPSK	25	0	22.80	22.81	22.64			
10	QPSK	25	12	22.75	22.66	22.68	24.5	0	
10	QPSK	25	25	22.75	22.75	22.72			
10	QPSK	50	0	22.85	22.69	22.82			
10	16QAM	1	0	22.70	22.82	22.91			
10	16QAM	1	25	22.91	22.82	22.85	24.5	0	
10	16QAM	1	49	22.76	22.78	22.82			
10	16QAM	25	0	22.05	21.81	21.91			
10	16QAM	25	12	22.13	21.80	21.85			
10	16QAM	25	25	21.67	21.78	21.74	23.5	1	
10	16QAM	50	0	21.98	21.86	21.90			
10	64QAM	1	0	21.98	21.79	21.94			
10	64QAM	1	25	21.68	21.91	21.75			
10	64QAM	1	49	21.85	21.86	21.93	23.5	1	
10	64QAM	25	0	21.09	20.85	20.87			
10	64QAM	25	12	21.04	20.95	20.97			
10	64QAM	25	25	21.12	20.84	20.83			
10	64QAM	50	0	20.61	20.79	20.71	22.5	2	
Channel				20425	20525	20625			
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	0	22.83	22.90	22.82	24.5	0	
5	QPSK	1	12	22.63	22.58	22.68			
5	QPSK	1	24	22.60	22.74	22.56			
5	QPSK	12	0	22.95	22.83	22.77			
5	QPSK	12	7	22.69	22.78	22.87	24.5	0	
5	QPSK	12	13	22.71	22.82	22.67			
5	QPSK	25	0	22.75	22.86	22.82			
5	16QAM	1	0	22.86	22.82	22.77			
5	16QAM	1	12	22.89	22.61	22.80	24.5	0	
5	16QAM	1	24	22.73	22.65	22.75			
5	16QAM	12	0	21.91	21.66	21.90			
5	16QAM	12	7	21.93	21.59	21.73			
5	16QAM	12	13	21.55	21.71	21.56	23.5	1	
5	16QAM	25	0	21.88	21.77	21.96			
5	64QAM	1	0	22.00	21.75	21.92			
5	64QAM	1	12	21.63	21.80	21.61			
5	64QAM	1	24	21.75	21.85	21.93	22.5	2	
5	64QAM	12	0	20.98	20.72	20.88			
5	64QAM	12	7	20.84	20.76	20.87			
5	64QAM	12	13	21.05	20.81	20.70			
5	64QAM	25	0	20.62	20.73	20.70	22.5	2	
Channel				20415	20525	20635			
Frequency (MHz)				825.5	836.5	847.5			
3	QPSK	1	0	22.89	22.88	22.72	24.5	0	
3	QPSK	1	8	22.75	22.53	22.73			
3	QPSK	1	14	22.51	22.88	22.63			
3	QPSK	8	0	22.84	22.89	22.76			
3	QPSK	8	4	22.82	22.81	22.67	24.5	0	
3	QPSK	8	7	22.76	22.80	22.79			
3	QPSK	15	0	22.65	22.84	22.76			
3	16QAM	1	0	22.71	22.71	22.84			
3	16QAM	1	8	22.79	22.77	22.76	24.5	0	
3	16QAM	1	14	22.64	22.58	22.83			
3	16QAM	8	0	21.98	21.75	21.81			
3	16QAM	8	4	21.93	21.77	21.68			
3	16QAM	8	7	21.62	21.61	21.70	23.5	1	
3	16QAM	15	0	21.88	21.66	21.88			
3	64QAM	1	0	21.92	21.79	21.85			
3	64QAM	1	8	21.57	21.87	21.74			
3	64QAM	1	14	21.68	21.70	21.94	23.5	1	
3	64QAM	8	0	21.00	20.73	20.67			
3	64QAM	8	4	21.02	20.94	20.98			
3	64QAM	8	7	20.90	20.66	20.62			
3	64QAM	15	0	20.50	20.76	20.69	22.5	2	
Channel				20407	20525	20643			
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	22.75	22.78	22.75	24.5	0	
1.4	QPSK	1	3	22.65	22.74	22.71			
1.4	QPSK	1	5	22.63	22.72	22.65			
1.4	QPSK	3	0	22.85	22.75	22.70			
1.4	QPSK	3	1	22.86	22.65	22.87	24.5	0	
1.4	QPSK	3	3	22.64	22.73	22.53			
1.4	QPSK	6	0	22.88	22.86	22.85			
1.4	16QAM	1	0	22.89	22.58	22.71			
1.4	16QAM	1	3	22.67	22.79	22.63	24.5	0	
1.4	16QAM	1	5	22.71	22.84	22.87			
1.4	16QAM	3	0	22.66	22.81	22.78			
1.4	16QAM	3	1	22.90	22.65	22.87			
1.4	16QAM	3	3	22.57	22.85	22.62	23.5	1	
1.4	16QAM	6	0	21.98	21.86	21.83			
1.4	64QAM	1	0	21.93	21.76	21.88			
1.4	64QAM	1	3	22.04	21.98	22.02			
1.4	64QAM	1	5	22.10	21.87	21.82	23.5	1	
1.4	64QAM	3	0	21.95	21.80	21.96			
1.4	64QAM	3	1	21.99	21.79	21.84			
1.4	64QAM	3	3	21.70	21.78	21.69			
1.4	64QAM	6	0	20.93	20.94	20.94	22.5	2	

Band 7 Ant1 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	17.87	18.16	18.11	19.5	0	
20	QPSK	1	49	18.13	18.10	18.15			
20	QPSK	1	99	17.80	17.85	17.88			
20	QPSK	50	0	17.94	18.09	17.96			
20	QPSK	50	24	17.96	17.91	18.07	19.5	0	
20	QPSK	50	50	18.00	17.97	17.96			
20	QPSK	100	0	17.96	18.06	17.97			
20	16QAM	1	0	17.95	18.01	18.04			
20	16QAM	1	49	18.03	18.10	18.05	19.5	0	
20	16QAM	1	99	18.07	17.87	18.08			
20	16QAM	50	0	17.96	18.03	17.92			
20	16QAM	50	24	17.98	18.00	18.04			
20	16QAM	50	50	18.09	18.01	18.01	19.5	0	
20	16QAM	100	0	17.83	17.99	17.81			
20	64QAM	1	0	17.95	18.12	18.12			
20	64QAM	1	49	18.07	17.94	17.94			
20	64QAM	1	99	17.81	17.84	17.86	19.5	0	
20	64QAM	50	0	18.10	18.04	18.04			
20	64QAM	50	24	17.94	18.09	18.01			
20	64QAM	50	50	18.04	18.02	18.10			
20	64QAM	100	0	17.98	17.98	17.89	22.5	2	
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	18.01	18.04	17.91	19.5	0	
15	QPSK	1	37	18.13	18.06	18.06			
15	QPSK	1	74	17.93	17.93	17.97			
15	QPSK	36	0	18.12	18.07	18.02			
15	QPSK	36	20	17.96	18.08	17.97	19.5	0	
15	QPSK	36	39	17.78	18.02	17.91			
15	QPSK	75	0	17.93	18.03	18.06			
15	16QAM	1	0	18.02	17.88	17.99			
15	16QAM	1	37	17.94	18.05	17.80	19.5	0	
15	16QAM	1	74	17.95	18.11	18.01			
15	16QAM	36	0	18.06	18.00	18.11			
15	16QAM	36	20	17.83	17.97	17.97			
15	16QAM	36	39	18.10	18.01	17.89	19.5	0	
15	16QAM	75	0	18.11	18.09	18.08			
15	64QAM	1	0	17.87	17.88	17.84			

Band 38 Ant1 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power Middle Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	19.80	20.02	19.90	21.5	0	
20	QPSK	1	49	19.88	19.80	19.83			
20	QPSK	1	99	19.89	19.69	19.87			
20	QPSK	50	0	19.79	19.95	19.85	21.5	0	
20	QPSK	50	24	19.79	19.77	19.77			
20	QPSK	50	50	19.89	19.71	19.83			
20	QPSK	100	0	19.84	19.89	19.81	21.5	0	
20	16QAM	1	0	19.76	19.70	19.79			
20	16QAM	1	49	19.94	19.89	19.79			
20	16QAM	1	99	19.93	19.89	19.86	21.5	0	
20	16QAM	50	0	19.85	19.80	19.77			
20	16QAM	50	24	19.74	19.68	19.84			
20	16QAM	50	50	19.84	19.89	19.71	21.5	0	
20	16QAM	100	0	19.79	19.80	19.94			
20	64QAM	1	0	19.77	19.95	19.80			
20	64QAM	1	49	19.77	19.85	19.90	21.5	0	
20	64QAM	1	99	19.81	19.69	19.70			
20	64QAM	50	0	19.88	19.81	19.78			
20	64QAM	50	24	19.87	19.85	19.85	21.5	0	
20	64QAM	50	50	19.88	19.84	19.97			
20	64QAM	100	0	19.93	19.90	19.91			
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	19.81	19.81	19.88	21.5	0	
15	QPSK	1	37	19.82	19.78	19.94			
15	QPSK	1	74	19.86	19.83	19.81			
15	QPSK	36	0	19.88	19.79	19.76	21.5	0	
15	QPSK	36	20	19.98	19.67	19.86			
15	QPSK	36	39	19.74	19.92	19.85			
15	QPSK	75	0	19.73	19.76	19.87	21.5	0	
15	16QAM	1	0	19.83	19.79	19.89			
15	16QAM	1	37	19.84	19.77	19.61			
15	16QAM	1	74	19.89	19.84	19.86	21.5	0	
15	16QAM	36	0	19.86	19.78	19.71			
15	16QAM	36	20	19.78	19.85	19.95			
15	16QAM	36	39	19.93	19.97	19.76	21.5	0	
15	16QAM	75	0	19.89	19.85	19.90			
15	64QAM	1	0	19.74	19.91	19.81			
15	64QAM	1	37	19.72	19.98	19.84	21.5	0	
15	64QAM	1	74	19.78	19.84	19.83			
15	64QAM	36	0	19.72	19.82	19.78			
15	64QAM	36	20	19.76	19.83	19.83	21.5	0	
15	64QAM	36	39	19.87	19.90	19.97			
15	64QAM	75	0	19.88	19.91	19.83			
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	19.89	19.93	19.83	21.5	0	
10	QPSK	1	25	19.80	19.65	19.83			
10	QPSK	1	49	19.81	19.73	19.70			
10	QPSK	25	0	19.79	19.96	19.96	21.5	0	
10	QPSK	25	12	19.86	19.72	19.77			
10	QPSK	25	25	19.88	19.98	19.97			
10	QPSK	50	0	19.90	19.80	19.92	21.5	0	
10	16QAM	1	0	19.76	19.72	19.85			
10	16QAM	1	25	19.80	19.83	19.65			
10	16QAM	1	49	19.96	19.96	19.91	21.5	0	
10	16QAM	25	0	19.98	19.70	19.73			
10	16QAM	25	12	19.88	19.85	19.94			
10	16QAM	25	25	19.81	19.92	19.90	21.5	0	
10	16QAM	50	0	19.87	19.82	19.80			
10	64QAM	1	0	19.86	19.85	19.78			
10	64QAM	1	25	19.83	19.69	19.86	21.5	0	
10	64QAM	1	49	19.98	19.88	19.89			
10	64QAM	25	0	19.71	19.94	19.80			
10	64QAM	25	12	19.74	19.80	19.83	21.5	0	
10	64QAM	25	25	19.89	19.78	19.87			
10	64QAM	50	0	19.88	19.83	19.89			
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	19.86	19.68	19.96	21.5	0	
5	QPSK	1	12	19.74	19.60	19.82			
5	QPSK	1	24	19.86	19.75	19.78			
5	QPSK	12	0	19.93	19.98	19.81	21.5	0	
5	QPSK	12	7	19.85	19.63	19.86			
5	QPSK	12	13	19.94	19.90	19.81			
5	QPSK	25	0	19.78	19.94	19.99	21.5	0	
5	16QAM	1	0	19.84	19.79	19.75			
5	16QAM	1	12	19.98	19.94	19.81			
5	16QAM	1	24	19.92	19.99	19.92	21.5	0	
5	16QAM	12	0	19.87	19.80	19.85			
5	16QAM	12	7	19.79	19.66	19.79			
5	16QAM	12	13	19.82	19.87	19.77	21.5	0	
5	16QAM	25	0	19.89	19.79	19.83			
5	64QAM	1	0	19.69	19.96	19.85			
5	64QAM	1	12	19.78	19.97	19.88	21.5	0	
5	64QAM	1	24	19.75	19.86	19.91			
5	64QAM	12	0	19.81	19.86	19.77			
5	64QAM	12	7	19.88	19.99	19.87	21.5	0	
5	64QAM	12	13	19.91	19.90	19.97			
5	64QAM	25	0	19.84	19.90	19.94			

Band 41 Ant1 DSI4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	19.97	20.07	20.18	20.09	20.08	21.5	0
20	QPSK	1	49	19.77	19.98	19.86	19.93	19.85		
20	QPSK	1	99	19.77	19.88	20.02	19.86	19.86		
20	QPSK	50	0	19.86	20.00	20.10	20.02	19.96	21.5	0
20	QPSK	50	24	19.89	19.83	19.95	19.82	19.94		
20	QPSK	50	50	19.76	19.73	19.96	19.69	19.69		
20	QPSK	100	0	19.93	19.91	20.03	20.01	19.98	21.5	0
20	16QAM	1	0	19.82	19.89	19.92	19.80	19.97		
20	16QAM	1	49	19.71	19.79	19.96	19.70	19.80		
20	16QAM	1	99	19.84	19.98	20.09	20.08	20.10	21.5	0
20	16QAM	50	0	19.75	19.96	19.87	20.01	19.86		
20	16QAM	50	24	19.75	19.83	19.87	19.69	19.75		
20	16QAM	50	50	19.87	20.07	20.15	20.07	20.13	21.5	0
20	16QAM	100	0	19.94	19.93	20.03	20.01	19.88		
20	64QAM	1	0	19.76	19.90	19.85	19.80	19.73		
20	64QAM	1	49	19.88	20.05	20.12	20.00	19.98	21.5	0
20	64QAM	1	99	19.74	19.96	19.86	19.97	19.86		
20	64QAM	50	0	19.92	19.81	19.83	19.83	19.81		
20	64QAM	50	24	19.91	19.87	20.15	20.10	20.15	21.5	0
20	64QAM	50	50	19.72	19.89	19.86	19.97	19.89		
20	64QAM	100	0	19.80	19.95	19.88	19.86	19.86		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	19.85	19.98	19.97	20.07	19.91	21.50	0
15	QPSK	1	37	19.66	19.99	19.72	19.76	19.86		
15	QPSK	1	74	19.58	19.88	19.88	19.80	19.71		
15	QPSK	36	0	19.87	19.90	19.84	19.97	19.80	21.5	0
15	QPSK	36	20	19.84	19.73	19.85	19.78	19.80		
15	QPSK	36	39	19.71	19.52	19.85	19.68	19.70		
15	QPSK	75	0	19.89	20.02	19.82	20.11	20.03	21.5	0
15	16QAM	1	0	19.63	19.86	19.78	19.71	19.80		
15	16QAM	1	37	19.58	19.67	19.89	19.67	19.62		
15	16QAM	1	74	19.76	19.80	19.89	19.87	19.89	21.5	0
15	16QAM	36	0	19.72	19.97	19.68	19.82	19.68		
15	16QAM	36	20	19.62	19.67	19.85	19.54	19.72		
15	16QAM	36	39	19.88	19.87	19.94	19.96	19.93	21.5	0
15	16QAM	75	0	19.87	19.81	19.87	19.97	19.70		
15	64QAM	1	0	19.84	19.76	19.79	19.80	19.75		
15	64QAM	1	37	19.66	19.64	19.89	19.70	19.69	21.5	0
15	64QAM	1	74	19.79	19.82	19.88	19.98	19.91		
15	64QAM	36	0	19.89	19.83	19.84	19.76	19.69		
15	64QAM	36	20	19.89	19.79	20.12	19.99	20.09	21.5	0
15	64QAM	36	39	19.69	19.82	19.64	19.78	19.72		
15	64QAM	75	0	19.70	19.73	19.87	19.83	19.81		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	19.75	19.92	20.05	19.97	20.01	21.50	0
10	QPSK	1	25	19.76	19.95	19.71	19.83	19.64		
10	QPSK	1	49	19.77	19.70	20.02	19.85	19.72		
10	QPSK	25	0	19.71	19.88	19.99	19.87	19.78	21.5	0
10	QPSK	25	12	19.81	19.84	19.90	19.79	19.78		
10	QPSK	25	25	19.54	19.65	19.86	19.54	19.60		
10	QPSK	50	0	19.91	19.90	19.93	20.02	19.86	21.5	0
10	16QAM	1	0	19.66	19.91	19.77	19.61	19.85		
10	16QAM	1	25	19.65	19.74	19.92	19.71	19.74		
10	16QAM	1	49	19.80	19.76	19.87	20.10	19.96	21.5	0
10	16QAM	25	0	19.72	19.85	19.86	20.02	19.88		
10	16QAM	25	12	19.69	19.69	19.68	19.67	19.67		
10	16QAM	25	25	19.82	19.99	20.13	19.88	19.97	21.5	0
10	16QAM	50	0	19.83	19.72	20.04	19.95	19.83		
10	64QAM	1	0	19.55	19.79	19.85	19.78	19.52		
10	64QAM	1	25	19.67	19.99	19.96	19.81	19.98	21.5	0
10	64QAM	1	49	19.65	19.97	19.84	19.98	19.65		
10	64QAM	25	0	19.76	19.70	19.66	19.80	19.73		
10	64QAM	25	12	19.72	19.69	19.94	20.02	20.16	21.5	0
10	64QAM	25	25	19.66	19.79	19.66	19.82	19.75		
10	64QAM	50	0	19.63	19.83	19.84	19.67	19.67		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	19.83	19.70	19.79	19.64	19.76	21.50	0
5	QPSK	1	12	19.64	19.67	19.96	19.56	19.76		
5	QPSK	1	24	19.85	19.94	19.98	19.94	19.97		
5	QPSK	12	0	19.75	19.97	19.90	19.94	19.87	21.5	0
5	QPSK	12	7	19.79	19.64	19.83	19.66	19.78		
5	QPSK	12	13	19.70	19.67	19.93	19.68	19.70		
5	QPSK	25	0	19.89	19.83	19.90	19.97	19.87	21.5	0
5	16QAM	1	0	19.73	19.78	19.76	19.61	19.90		
5	16QAM	1	12	19.61	19.58	19.89	19.63	19.68		
5	16QAM	1	24	19.71	19.90	20.05	19.99	19.92	21.5	0
5	16QAM	12	0	19.69	19.77	19.65	19.99	19.78		
5	16QAM	12	7	19.67	19.63	19.86	19.67	19.57		
5	16QAM	12	13	19.68	19.96	20.00	19.88	20.04	21.5	0
5	16QAM	25	0	19.74	19.92	19.94	19.94	19.80		
5	64QAM	1	0	19.54	19.73	19.83	19.73	19.54		
5	64QAM	1	12	19.86	19.87	19.99	19.81	19.94	21.5	0
5	64QAM	1	24	19.69	19.80	19.69	19.77	19.79		
5	64QAM	12	0	19.80	19.87	19.88	19.63	19.98		
5	64QAM	12	7	19.59	19.74	19.80	19.58	19.67	21.5	0
5	64QAM	12	13	19.64	19.82	20.01	19.87	19.90		
5	64QAM	25	0	19.67	19.92	19.86	19.87	19.82		

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

Band 38 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				37850	38000	38150	18	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	17.02	17.18	17.06	18	0	
20	QPSK	1	49	17.02	16.90	16.92			
20	QPSK	1	99	16.90	16.93	17.03	18	0	
20	QPSK	50	0	16.82	17.03	16.93			
20	QPSK	50	24	16.99	16.96	16.95	18	0	
20	QPSK	50	50	16.94	16.92	16.84			
20	QPSK	100	0	16.92	17.01	16.86	18	0	
20	16QAM	1	0	16.91	17.15	17.05			
20	16QAM	1	49	17.03	17.11	16.83	18	0	
20	16QAM	1	99	16.91	16.98	17.05			
20	16QAM	50	0	16.95	16.96	17.06	18	0	
20	16QAM	50	24	16.89	17.06	16.93			
20	16QAM	50	50	16.95	16.94	16.89	18	0	
20	16QAM	100	0	16.98	16.93	16.91			
20	64QAM	1	0	16.92	17.17	16.97	18	0	
20	64QAM	1	49	17.07	17.10	16.76			
20	64QAM	1	99	16.90	16.75	17.05	18	0	
20	64QAM	50	0	17.07	17.07	17.11			
20	64QAM	50	24	17.07	17.00	16.96	18	0	
20	64QAM	50	50	16.92	17.10	16.88			
20	64QAM	100	0	16.88	16.73	17.03			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5	18	0	
15	QPSK	1	0	16.94	17.15	16.92			
15	QPSK	1	37	17.05	16.91	17.02	18	0	
15	QPSK	1	74	17.11	16.87	16.99			
15	QPSK	36	0	17.17	17.10	17.12	18	0	
15	QPSK	36	20	16.95	17.02	17.12			
15	QPSK	36	39	17.06	16.96	16.97	18	0	
15	QPSK	75	0	17.07	17.04	16.93			
15	16QAM	1	0	16.82	17.06	16.91	18	0	
15	16QAM	1	37	17.06	17.01	17.00			
15	16QAM	1	74	17.09	17.02	17.05	18	0	
15	16QAM	36	0	17.13	16.98	17.01			
15	16QAM	36	20	16.98	17.08	16.94	18	0	
15	16QAM	36	39	16.91	16.93	17.02			
15	16QAM	75	0	16.96	16.83	16.97	18	0	
15	64QAM	1	0	16.91	17.05	16.93			
15	64QAM	1	37	16.85	16.88	16.70	18	0	
15	64QAM	1	74	17.06	16.79	17.04			
15	64QAM	36	0	16.96	16.95	17.10	18	0	
15	64QAM	36	20	16.84	16.84	16.94			
15	64QAM	36	39	16.82	17.11	17.02	18	0	
15	64QAM	75	0	16.77	16.88	16.87			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615	18	0	
10	QPSK	1	0	16.92	17.14	17.10			
10	QPSK	1	25	17.03	17.14	16.92	18	0	
10	QPSK	1	49	16.92	17.01	16.98			
10	QPSK	25	0	17.07	17.13	16.97	18	0	
10	QPSK	25	12	16.93	16.96	16.93			
10	QPSK	25	25	16.99	17.13	16.84	18	0	
10	QPSK	50	0	17.04	17.06	16.92			
10	16QAM	1	0	16.86	17.00	17.06	18	0	
10	16QAM	1	25	17.03	17.10	16.92			
10	16QAM	1	49	16.96	16.92	17.02	18	0	
10	16QAM	25	0	17.06	17.03	17.11			
10	16QAM	25	12	16.98	16.97	16.90	18	0	
10	16QAM	25	25	16.87	17.11	17.03			
10	16QAM	50	0	16.95	17.05	17.00	18	0	
10	64QAM	1	0	16.80	16.95	17.01			
10	64QAM	1	25	16.97	17.03	16.90	18	0	
10	64QAM	1	49	17.06	16.75	17.03			
10	64QAM	25	0	16.98	17.00	17.03	18	0	
10	64QAM	25	12	16.91	16.90	16.89			
10	64QAM	25	25	17.00	16.88	16.98	18	0	
10	64QAM	50	0	16.72	16.92	16.87			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5	18	0	
5	QPSK	1	0	16.81	17.10	16.92			
5	QPSK	1	12	16.93	16.93	16.92	18	0	
5	QPSK	1	24	17.04	17.10	16.89			
5	QPSK	12	0	17.15	17.06	17.08	18	0	
5	QPSK	12	7	16.94	16.98	17.01			
5	QPSK	12	13	16.89	17.12	16.86	18	0	
5	QPSK	25	0	17.08	17.11	16.92			
5	16QAM	1	0	16.76	17.00	16.95	18	0	
5	16QAM	1	12	17.05	17.02	16.76			
5	16QAM	1	24	16.99	16.89	16.94	18	0	
5	16QAM	12	0	16.95	17.01	16.95			
5	16QAM	12	7	17.09	16.98	16.98	18	0	
5	16QAM	12	13	17.00	17.10	16.99			
5	16QAM	25	0	16.87	16.88	17.08	18	0	
5	64QAM	1	0	16.92	17.05	16.97			
5	64QAM	1	12	16.97	17.06	16.70	18	0	
5	64QAM	1	24	16.89	16.93	16.97			
5	64QAM	12	0	16.86	17.12	17.09	18	0	
5	64QAM	12	7	17.04	16.95	17.03			
5	64QAM	12	13	17.00	17.04	16.81	18	0	
5	64QAM	25	0	16.76	16.74	16.89			

Band 41 Ant2 DSI4												
BW [MHz]	Modulation	RB Size	RB Offset	for IC Power Low Ch. / Freq.	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				39790	39750	40185	40620	41055	41490	18.5	0	
Frequency (MHz)				2510	2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	17.47	17.28	17.42	17.61	17.44	17.49	18.5	0	
20	QPSK	1	49	17.31	17.25	17.36	17.41	17.39	17.36			
20	QPSK	1	99	17.40	17.36	17.47	17.38	17.41	17.46	18.5	0	
20	QPSK	50	0	17.47	17.42	17.47	17.51	17.44	17.45			
20	QPSK	50	24	17.38	17.40	17.45	17.49	17.43	17.39	18.5	0	
20	QPSK	50	50	17.44	17.35	17.34	17.45	17.39	17.36			
20	QPSK	100	0	17.38	17.41	17.43	17.44	17.39	17.38	18.5	0	
20	16QAM	1	0	17.39	17.25	17.34	17.45	17.33	17.40			
20	16QAM	1	49	17.38	17.41	17.40	17.40	17.43	17.47	18.5	0	
20	16QAM	1	99	17.40	17.29	17.40	17.46	17.30	17.34			
20	16QAM	50	0	17.45	17.34	17.43	17.38	17.44	17.44	18.5	0	
20	16QAM	50	24	17.28	17.31	17.27	17.44	17.29	17.28			
20	16QAM	50	50	17.43	17.35	17.45	17.36	17.39	17.44	18.5	0	
20	16QAM	100	0	17.44	17.41	17.40	17.45	17.35	17.37			
20	64QAM	1	0	17.48	17.44	17.47	17.44	17.44	17.40	18.5	0	
20	64QAM	1	49	17.42	17.34	17.36	17.48	17.41	17.37			
20	64QAM	1	99	17.43	17.29	17.37	17.42	17.43	17.43	18.5	0	
20	64QAM	50	0	17.43	17.40	17.47	17.43	17.45	17.40			
20	64QAM	50	24	17.35	17.33	17.38	17.46	17.40	17.35	18.5	0	
20	64QAM	50	50	17.38	17.27	17.35	17.39	17.34	17.35			
20	64QAM	100	0	17.39	17.27	17.35	17.41	17.40	17.32			
Channel				39765	39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2503.5	2548.3	2593	2637.8	2682.5			
15	QPSK	1	0	17.47	17.18	17.32	17.55	17.33	17.39	19	0	
15	QPSK	1	37	17.25	17.17	17.31	17.34	17.36	17.32			
15	QPSK	1	74	17.40	17.29	17.36	17.29	17.30	17.42	18.5	0	
15	QPSK	36	0	17.37	17.42	17.38	17.49	17.43	17.40			
15	QPSK	36	20	17.30	17.39	17.37	17.46	17.42	17.31	18.5	0	
15	QPSK	36	39	17.39	17.29	17.30	17.37	17.36	17.34			
15	QPSK	75	0	17.31	17.39	17.31	17.33	17.27	17.30	18.5	0	
15	16QAM	1	0	17.29	17.21	17.27	17.39	17.27	17.32			
15	16QAM	1	37	17.26	17.38	17.31	17.37	17.36	17.37	18.5	0	
15	16QAM	1	74	17.38	17.22	17.38	17.37	17.23	17.31			
15	16QAM	36	0	17.45	17.28	17.35	17.29	17.39	17.35	18.5	0	
15	16QAM	36	20	17.28	17.29	17.16	17.33	17.18	17.17			
15	16QAM	36	39	17.35	17.34	17.38	17.26	17.30	17.39	18.5	0	
15	16QAM	75	0	17.36	17.31	17.33	17.35	17.40	17.29			
15	64QAM	1	0	17.42	17.42	17.37	17.33	17.40	17.35	18.5	0	
15	64QAM	1	37	17.33	17.31	17.31	17.37	17.38	17.30			
15	64QAM	1	74	17.42	17.29	17.27	17.38	17.36	17.34	18.5	0	
15	64QAM	36	0	17.33	17.29	17.38	17.37	17.36	17.38			
15	64QAM	36	20	17.24	17.29	17.35	17.37	17.32	17.30	18.5	0	
15	64QAM	36	39	17.32	17.26	17.26	17.31	17.30	17.34			
15	64QAM	75	0	17.37	17.16	17.27	17.34	17.31	17.26			
Channel				39740	39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2501	2547	2593	2639	2685			
10	QPSK	1	0	17.36	17.19	17.42	17.51	17.36	17.45	19	0	
10	QPSK	1	25	17.22	17.16	17.35	17.37	17.38	17.27			
10	QPSK	1	49	17.35	17.27	17.42	17.38	17.33	17.44	18.5	0	
10	QPSK	25	0	17.39	17.40	17.36	17.42	17.44	17.39			
10	QPSK	25	12	17.36	17.33	17.35	17.45	17.32	17.37	18.5	0	
10	QPSK	25	25	17.34	17.28	17.29	17.43	17.34	17.25			
10	QPSK	50	0	17.33	17.35	17.34	17.40	17.32	17.26	18.5	0	
10	16QAM	1	0	17.28	17.23	17.29	17.39	17.32	17.35			
10	16QAM	1	25	17.31	17.31	17.34	17.39	17.37	17.46	18.5	0	
10	16QAM	1	49	17.29	17.18	17.29	17.41	17.27	17.31			
10	16QAM	25	0	17.39	17.31	17.32	17.28	17.34	17.38	18.5	0	
10	16QAM	25	12	17.17	17.31	17.21	17.32	17.23	17.23			
10	16QAM	25	25	17.40	17.29	17.33	17.25	17.37	17.40	18.5	0	
10	16QAM	50	0	17.43	17.36	17.29	17.43	17.32	17.34			
10	64QAM	1	0	17.47	17.37	17.37	17.36	17.34	17.31	18.5	0	
10	64QAM	1	25	17.37	17.31	17.27	17.37	17.35	17.27			
10	64QAM	1	49	17.32	17.29	17.31	17.37	17.35	17.38	18.5	0	
10	64QAM	25	0	17.33	17.34	17.41	17.38	17.42	17.37			
10	64QAM	25	12	17.33	17.26	17.31	17.40	17.36	17.28	18.5	0	
10	64QAM	25	25	17.27	17.23	17.28	17.39	17.30	17.26			
10	64QAM	50	0	17.27	17.20	17.27	17.36	17.39	17.31			
Channel				39715	39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2498.5	2545.8	2593	2640.30	2687.5			
5	QPSK	1	0	17.42	17.26	17.41	17.49	17.39	17.38	19	0	
5	QPSK	1	12	17.26	17.16	17.35	17.38	17.38	17.28			
5	QPSK	1	24	17.38	17.30	17.42	17.27	17.33	17.36	18.5	0	
5	QPSK	12	0	17.43	17.42	17.42	17.45	17.37	17.44			
5	QPSK	12	7	17.28	17.34	17.42	17.41	17.35	17.36	18.5	0	
5	QPSK	12	13	17.38	17.33	17.25	17.45	17.33	17.31			
5	QPSK	25	0	17.30	17.39	17.35	17.38	17.35	17.29	18.5	0	
5	16QAM	1	0	17.38	17.22	17.29	17.35	17.30	17.33			
5	16QAM	1	12	17.26	17.37	17.30	17.40	17.31	17.42	18.5	0	
5	16QAM	1	24	17.31	17.22	17.34	17.40	17.25	17.25			
5	16QAM	12	0	17.42	17.23	17.41	17.37	17.41	17.43	18.5	0	
5	16QAM	12	7	17.27	17.21	17.25	17.33	17.28	17.20			
5	16QAM	12	13	17.41	17.32	17.35	17.30	17.31	17.40	18.5	0	
5	16QAM	25	0	17.36	17.36	17.38	17.35	17.23	17.35			
5	64QAM	1	0	17.39	17.42	17.35	17.38	17.34	17.37	18.5	0	
5	64QAM	1	12	17.35	17.31	17.32	17.37	17.41	17.32			
5	64QAM	1	24	17.35	17.25	17.28	17.42	17.33	17.33	18.5	0	
5	64QAM	12	0	17.34	17.37	17.37	17.34	17.39	17.35			
5	64QAM	12	7	17.27	17.21	17.37	17.35	17.29	17.24	18.5	0	
5	64QAM	12	13	17.30	17.20	17.29	17.38	17.32	17.30			
5	64QAM	25	0	17.33	17.17	17.31	17.33	17.32	17.31			

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

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

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

Band 2 Ant4 DS14									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				18700	18900	19100			
Frequency (MHz)				18680	18880	19000			
20	QPSK	1	0	19.89	19.98	19.93	20.5	0	
20	QPSK	1	49	19.96	19.91	19.85			
20	QPSK	1	99	19.75	19.82	19.77			
20	QPSK	50	0	19.81	19.94	19.90	20.5	0	
20	QPSK	50	24	19.82	19.93	19.87			
20	QPSK	50	50	19.82	19.89	19.78			
20	QPSK	100	0	19.82	19.94	19.87	20.5	0	
20	16QAM	1	0	19.76	19.89	19.85			
20	16QAM	1	49	19.78	19.83	19.72			
20	16QAM	1	99	19.74	19.79	19.70	20.5	0	
20	16QAM	50	0	19.86	19.91	19.81			
20	16QAM	50	24	19.78	19.88	19.81			
20	16QAM	50	50	19.65	19.80	19.68	20.5	0	
20	16QAM	100	0	19.75	19.86	19.82			
20	64QAM	1	0	19.82	19.96	19.81			
20	64QAM	1	49	19.75	19.87	19.76	20.5	0	
20	64QAM	1	99	19.70	19.78	19.65			
20	64QAM	50	0	19.93	19.91	19.86			
20	64QAM	50	24	19.79	19.93	19.86	20.5	0	
20	64QAM	50	50	19.74	19.89	19.78			
20	64QAM	100	0	19.79	19.84	19.72			
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	18880	19022.5			
15	QPSK	1	0	19.85	19.95	19.85	20.5	0	
15	QPSK	1	37	19.80	19.85	19.70			
15	QPSK	1	74	19.65	19.67	19.72			
15	QPSK	36	0	19.77	19.88	19.78	20.5	0	
15	QPSK	36	20	19.71	19.88	19.79			
15	QPSK	36	39	19.77	19.82	19.70			
15	QPSK	75	0	19.70	19.84	19.75	20.5	0	
15	16QAM	1	0	19.63	19.74	19.71			
15	16QAM	1	37	19.73	19.70	19.62			
15	16QAM	1	74	19.69	19.65	19.59	20.5	0	
15	16QAM	36	0	19.78	19.79	19.71			
15	16QAM	36	20	19.71	19.82	19.75			
15	16QAM	36	39	19.55	19.65	19.54	20.5	0	
15	16QAM	75	0	19.63	19.80	19.79			
15	64QAM	1	0	19.73	19.87	19.69	20.5	0	
15	64QAM	1	37	19.65	19.80	19.69			
15	64QAM	1	74	19.59	19.66	19.52			
15	64QAM	36	0	19.78	19.85	19.82	20.5	0	
15	64QAM	36	20	19.72	19.89	19.72			
15	64QAM	36	39	19.67	19.84	19.73			
15	64QAM	75	0	19.73	19.80	19.57			
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	18880	1905			
10	QPSK	1	0	19.77	19.92	19.89	20.5	0	
10	QPSK	1	25	19.76	19.87	19.81			
10	QPSK	1	49	19.64	19.76	19.66			
10	QPSK	25	0	19.72	19.83	19.80	20.5	0	
10	QPSK	25	12	19.69	19.85	19.78			
10	QPSK	25	25	19.71	19.83	19.64			
10	QPSK	50	0	19.69	19.90	19.75	20.5	0	
10	16QAM	1	0	19.62	19.85	19.79			
10	16QAM	1	25	19.68	19.69	19.62			
10	16QAM	1	49	19.64	19.68	19.55	20.5	0	
10	16QAM	25	0	19.73	19.87	19.73			
10	16QAM	25	12	19.66	19.74	19.76			
10	16QAM	25	25	19.57	19.72	19.58	20.5	0	
10	16QAM	50	0	19.60	19.75	19.76			
10	64QAM	1	0	19.69	19.87	19.70			
10	64QAM	1	25	19.70	19.82	19.69	20.5	0	
10	64QAM	1	49	19.56	19.69	19.50			
10	64QAM	25	0	19.88	19.86	19.72			
10	64QAM	25	12	19.65	19.87	19.73	20.5	0	
10	64QAM	25	25	19.63	19.80	19.74			
10	64QAM	50	0	19.73	19.74	19.63			
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	18880	1907.5			
5	QPSK	1	0	19.79	19.90	19.85	20.5	0	
5	QPSK	1	12	19.72	19.86	19.75			
5	QPSK	1	24	19.65	19.70	19.73			
5	QPSK	12	0	19.73	19.90	19.77	20.5	0	
5	QPSK	12	7	19.69	19.81	19.72			
5	QPSK	12	13	19.68	19.83	19.70			
5	QPSK	25	0	19.78	19.86	19.80	20.5	0	
5	16QAM	1	0	19.61	19.85	19.81			
5	16QAM	1	12	19.72	19.69	19.63			
5	16QAM	1	24	19.65	19.74	19.64	20.5	0	
5	16QAM	12	0	19.77	19.81	19.78			
5	16QAM	12	7	19.64	19.85	19.70			
5	16QAM	12	13	19.53	19.67	19.65	20.5	0	
5	16QAM	25	0	19.69	19.78	19.78			
5	64QAM	1	0	19.77	19.85	19.77			
5	64QAM	1	12	19.71	19.77	19.67	20.5	0	
5	64QAM	1	24	19.59	19.65	19.56			
5	64QAM	12	0	19.84	19.85	19.79			
5	64QAM	12	7	19.73	19.80	19.82	20.5	0	
5	64QAM	12	13	19.65	19.76	19.68			
5	64QAM	25	0	19.65	19.74	19.62			
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1851.5	18880	1908.5			
3	QPSK	1	0	19.75	19.84	19.80	20.5	0	
3	QPSK	1	8	19.72	19.85	19.71			
3	QPSK	1	14	19.71	19.69	19.63			
3	QPSK	8	0	19.71	19.82	19.75	20.5	0	
3	QPSK	8	4	19.71	19.84	19.76			
3	QPSK	8	7	19.70	19.86	19.69			
3	QPSK	15	0	19.70	19.85	19.79	20.5	0	
3	16QAM	1	0	19.67	19.81	19.78			
3	16QAM	1	8	19.72	19.76	19.63			
3	16QAM	1	14	19.64	19.75	19.64	20.5	0	
3	16QAM	8	0	19.79	19.84	19.75			
3	16QAM	8	4	19.65	19.79	19.71			
3	16QAM	8	7	19.61	19.66	19.57	20.5	0	
3	16QAM	15	0	19.61	19.77	19.72			
3	64QAM	1	0	19.75	19.92	19.74			
3	64QAM	1	8	19.66	19.76	19.61	20.5	0	
3	64QAM	1	14	19.61	19.68	19.57			
3	64QAM	8	0	19.88	19.87	19.78			
3	64QAM	8	4	19.68	19.88	19.81	20.5	0	
3	64QAM	8	7	19.70	19.83	19.70			
3	64QAM	15	0	19.65	19.74	19.59			
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				18502.7	18880	19093.3			
1.4	QPSK	1	0	19.76	19.85	19.83	20.5	0	
1.4	QPSK	1	3	19.81	19.77	19.73			
1.4	QPSK	1	5	19.62	19.74	19.68			
1.4	QPSK	3	0	19.74	19.83	19.79	20.5	0	
1.4	QPSK	3	1	19.71	19.89	19.75			
1.4	QPSK	3	3	19.76	19.82	19.73			
1.4	QPSK	6	0	19.69	19.87	19.84	20.5	0	
1.4	16QAM	1	0	19.70	19.84	19.80			
1.4	16QAM	1	3	19.68	19.79	19.62			
1.4	16QAM	1	5	19.61	19.67	19.67	20.5	0	
1.4	16QAM	3	0	19.77	19.81	19.67			
1.4	16QAM	3	1	19.73	19.75	19.67	20.5	0	
1.4	16QAM	3	3	19.66	19.70	19.58			
1.4	16QAM	6	0	19.63	19.78	19.74			
1.4	64QAM	1	0	19.71	19.85	19.71	20.5	0	
1.4	64QAM	1	3	19.67	19.82	19.67			
1.4	64QAM	1	5	19.65	19.70	19.63			
1.4	64QAM	1	5	19.65	19.80	19.66	20.5	0	
1.4	64QAM	3	0	19.90	19.93	19.79			
1.4	64QAM	3	1	19.73	19.89	19.81			
1.4	64QAM	3	3	19.69	19.79	19.66	20.5	0	
1.4	64QAM	6	0	19.72	19.80	19.58			

Band 5 Ant4 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20450	20525	20600			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	24.15	24.24	24.16	25.5	0	
10	QPSK	1	25	24.00	23.96	24.03			
10	QPSK	1	49	23.92	23.79	23.97			
10	QPSK	25	0	22.98	23.13	23.10			
10	QPSK	25	12	22.96	22.96	22.98	24.5	1	
10	QPSK	25	25	22.86	22.95	22.89			
10	QPSK	50	0	22.88	23.09	22.92			
10	16QAM	1	0	22.88	22.90	22.89			
10	16QAM	1	25	22.90	22.85	22.90	24.5	1	
10	16QAM	1	49	22.80	22.83	22.75			
10	16QAM	25	0	22.06	22.13	22.21			
10	16QAM	25	12	21.86	22.13	21.95			
10	16QAM	25	25	21.97	21.87	22.04	23.5	2	
10	16QAM	50	0	21.99	21.64	22.13			
10	64QAM	1	0	22.00	22.05	22.07			
10	64QAM	1	25	21.77	22.04	21.83			
10	64QAM	1	49	21.92	21.81	21.90	23.5	2	
10	64QAM	25	0	21.21	21.07	21.37			
10	64QAM	25	12	21.30	21.34	21.29			
10	64QAM	25	25	21.19	21.15	21.51			
10	64QAM	50	0	20.83	20.84	20.70	22.5	3	
Channel				20425	20525	20625			
Frequency (MHz)				826.5	836.5	844.5			
5	QPSK	1	0	23.96	24.11	24.00	25.5	0	
5	QPSK	1	12	23.84	23.79	23.93			
5	QPSK	1	24	23.76	23.61	23.79			
5	QPSK	12	0	22.83	22.83	22.95			
5	QPSK	12	7	22.79	22.83	22.88	24.5	1	
5	QPSK	12	13	22.70	22.76	22.76			
5	QPSK	25	0	22.74	22.93	22.79			
5	16QAM	1	0	22.77	22.77	22.78			
5	16QAM	1	12	22.71	22.66	22.72	24.5	1	
5	16QAM	1	24	22.64	22.67	22.64			
5	16QAM	12	0	21.90	21.96	22.04			
5	16QAM	12	7	21.71	21.96	21.76			
5	16QAM	12	13	21.51	21.74	21.69	23.5	2	
5	16QAM	25	0	22.04	22.19	22.09			
5	64QAM	1	0	21.86	21.87	21.92			
5	64QAM	1	12	21.57	21.87	21.71			
5	64QAM	1	24	21.80	21.64	21.74	23.5	2	
5	64QAM	12	0	21.02	20.88	21.27			
5	64QAM	12	7	21.12	21.17	21.16			
5	64QAM	12	13	21.06	20.96	21.34			
5	64QAM	25	0	20.64	20.73	20.51	22.5	3	
Channel				20454	20525	20635			
Frequency (MHz)				825.5	836.5	847.5			
3	QPSK	1	0	23.96	24.07	23.99	25.5	0	
3	QPSK	1	8	23.88	23.82	23.89			
3	QPSK	1	14	23.77	23.68	23.82			
3	QPSK	8	0	22.86	22.98	22.91			
3	QPSK	8	4	22.86	22.76	22.88	24.5	1	
3	QPSK	8	7	22.70	22.84	22.73			
3	QPSK	15	0	22.68	22.95	22.76			
3	16QAM	1	0	22.68	22.70	22.70			
3	16QAM	1	8	22.77	22.69	22.79	24.5	1	
3	16QAM	1	14	22.61	22.69	22.59			
3	16QAM	8	0	21.87	22.01	22.11			
3	16QAM	8	4	21.73	21.95	21.80			
3	16QAM	8	7	21.82	21.68	21.91	23.5	2	
3	16QAM	15	0	22.06	22.23	22.09			
3	64QAM	1	0	21.86	21.90	21.93			
3	64QAM	1	8	21.60	21.85	21.70			
3	64QAM	1	14	21.80	21.67	21.76	23.5	2	
3	64QAM	8	0	21.02	20.89	21.27			
3	64QAM	8	4	21.17	21.17	21.10			
3	64QAM	8	7	21.06	21.02	21.39			
3	64QAM	15	0	20.71	20.68	20.50	22.5	3	
Channel				20407	20525	20643			
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	23.95	24.07	24.05	25.5	0	
1.4	QPSK	1	3	23.87	23.81	23.90			
1.4	QPSK	1	5	23.80	23.62	23.83			
1.4	QPSK	3	0	23.78	23.96	23.95			
1.4	QPSK	3	1	23.77	23.84	23.86	24.5	1	
1.4	QPSK	3	3	23.72	23.75	23.72			
1.4	QPSK	6	0	22.72	22.93	22.78			
1.4	16QAM	1	0	22.70	22.74	22.74			
1.4	16QAM	1	3	22.71	22.69	22.78	24.5	1	
1.4	16QAM	1	5	22.67	22.67	22.58			
1.4	16QAM	3	0	22.93	23.03	23.10			
1.4	16QAM	3	1	22.68	22.95	22.80			
1.4	16QAM	3	3	22.86	22.67	22.92	23.5	2	
1.4	16QAM	6	0	22.00	22.21	22.04			
1.4	64QAM	1	0	21.90	21.92	21.96			
1.4	64QAM	1	3	21.61	21.93	21.71			
1.4	64QAM	1	5	21.80	21.62	21.78	23.5	2	
1.4	64QAM	3	0	22.10	21.90	22.24			
1.4	64QAM	3	1	22.13	22.17	22.16			
1.4	64QAM	3	3	22.08	22.02	22.40			
1.4	64QAM	6	0	20.69	20.68	20.52	22.5	3	

Band 7 Ant4 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	16.86	16.98	16.66	18.5	0	
20	QPSK	1	49	16.77	16.74	16.72			
20	QPSK	1	99	16.70	16.71	16.58			
20	QPSK	50	0	16.86	16.91	16.70	18.5	0	
20	QPSK	50	24	16.89	16.77	16.72			
20	QPSK	50	50	16.70	16.72	16.68			
20	QPSK	100	0	16.72	16.86	16.63	18.5	0	
20	16QAM	1	0	16.72	16.82	16.72			
20	16QAM	1	49	16.91	16.73	16.52			
20	16QAM	1	99	16.72	16.73	16.67	18.5	0	
20	16QAM	50	0	16.59	16.94	16.82			
20	16QAM	50	24	16.60	16.73	16.73			
20	16QAM	50	50	16.76	16.80	16.62	18.5	0	
20	16QAM	100	0	16.80	16.80	16.65			
20	64QAM	1	0	16.76	16.68	16.58			
20	64QAM	1	49	16.50	16.70	16.59	18.5	0	
20	64QAM	1	99	16.66	16.70	16.67			
20	64QAM	50	0	16.73	16.94	16.74			
20	64QAM	50	24	16.58	16.86	16.66	18.5	0	
20	64QAM	50	50	16.82	16.89	16.71			
20	64QAM	100	0	16.72	16.69	16.75			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	16.84	16.79	16.85	18.5	0	
15	QPSK	1	37	16.84	16.85	16.75			
15	QPSK	1	74	16.58	16.74	16.63			
15	QPSK	36	0	16.82	16.77	16.86	18.5	0	
15	QPSK	36	20	16.72	16.81	16.69			
15	QPSK	36	39	16.67	16.70	16.76			
15	QPSK	75	0	16.69	16.90	16.66	18.5	0	
15	16QAM	1	0	16.89	16.84	16.81			
15	16QAM	1	37	16.65	16.75	16.51			
15	16QAM	1	74	16.72	16.78	16.59	18.5	0	
15	16QAM	36	0	16.66	16.82	16.71			
15	16QAM	36	20	16.59	16.80	16.62			
15	16QAM	36	39	16.59	16.84	16.69	18.5	0	
15	16QAM	75	0	16.65	16.88	16.55			
15	64QAM	1	0	16.77	16.67	16.79			
15	64QAM	1	37	16.59	16.68	16.53	18.5	0	
15	64QAM	1	74	16.63	16.66	16.74			
15	64QAM	36	0	16.77	16.75	16.74			
15	64QAM	36	20	16.58	16.76	16.79	18.5	0	
15	64QAM	36	39	16.66	16.72	16.71			
15	64QAM	75	0	16.56	16.80	16.52			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2305	2535	2565			
10	QPSK	1	0	18.03	18.89	16.76	18.5	0	
10	QPSK	1	25	16.74	16.90	16.81			
10	QPSK	1	49	16.74	16.76	16.51			
10	QPSK	25	0	16.76	16.92	16.75	18.5	0	
10	QPSK	25	12	16.79	16.91	16.64			
10	QPSK	25	25	16.64	16.73	16.56			
10	QPSK	50	0	16.87	16.75	16.91	18.5	0	
10	16QAM	1	0	16.88	16.84	16.70			
10	16QAM	1	25	16.58	16.58	16.70			
10	16QAM	1	49	16.76	16.82	16.62	18.5	0	
10	16QAM	25	0	16.72	16.94	16.73			
10	16QAM	25	12	16.52	16.62	16.57			
10	16QAM	25	25	16.57	16.77	16.69	18.5	0	
10	16QAM	50	0	16.71	16.87	16.58			
10	64QAM	1	0	16.63	16.67	16.57			
10	64QAM	1	25	16.54	16.62	16.66	18.5	0	
10	64QAM	1	49	16.71	16.66	16.75			
10	64QAM	25	0	16.73	16.80	16.88			
10	64QAM	25	12	16.55	16.64	16.66	18.5	0	
10	64QAM	25	25	16.67	16.81	16.64			
10	64QAM	50	0	16.71	16.86	16.67			
Channel				20775	21300	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	16.94	16.96	16.74	18.5	0	
5	QPSK	1	12	16.81	16.82	16.62			
5	QPSK	1	24	16.58	16.65	16.59			
5	QPSK	12	0	16.85	16.86	16.77	18.5	0	
5	QPSK	12	7	16.86	16.78	16.76			
5	QPSK	12	13	16.63	16.78	16.72			
5	QPSK	25	0	16.73	16.91	16.76	18.5	0	
5	16QAM	1	0	16.86	16.86	16.73			
5	16QAM	1	12	16.54	16.76	16.59			
5	16QAM	1	24	16.80	16.84	16.71	18.5	0	
5	16QAM	12	0	16.72	16.93	16.76			
5	16QAM	12	7	16.53	16.75	16.68			
5	16QAM	12	13	16.77	16.74	16.70	18.5	0	
5	16QAM	25	0	16.83	16.78	16.53			
5	64QAM	1	0	16.61	16.84	16.67			
5	64QAM	1	12	16.66	16.61	16.67	18.5	0	
5	64QAM	1	24	16.66	16.76	16.63			
5	64QAM	12	0	16.78	16.78	16.84			
5	64QAM	12	7	16.75	16.83	16.66	18.5	0	
5	64QAM	12	13	16.66	16.74	16.69			
5	64QAM	25	0	16.64	16.81	16.50			

Band 38 Ant4 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	22.5	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	20.87	20.98	20.85	22.5	0	
20	QPSK	1	49	20.79	20.76	20.68			
20	QPSK	1	99	20.89	20.90	20.84			
20	QPSK	50	0	20.80	20.89	20.62			
20	QPSK	50	24	20.82	20.80	20.86			
20	QPSK	50	50	20.81	20.75	20.77	22.5	0	
20	QPSK	100	0	20.76	20.93	20.71			
20	16QAM	1	0	20.76	20.91	20.87			
20	16QAM	1	49	20.76	20.91	20.76			
20	16QAM	1	99	20.74	20.70	20.76			
20	16QAM	50	0	20.83	20.83	20.79	22.5	0	
20	16QAM	50	24	20.78	20.84	20.75			
20	16QAM	50	50	20.69	20.75	20.61			
20	16QAM	100	0	20.68	20.77	20.76			
20	64QAM	1	0	20.79	20.75	20.79			
20	64QAM	1	49	20.80	20.78	20.79	22.5	0	
20	64QAM	1	99	20.64	20.93	20.77			
20	64QAM	50	0	20.73	20.82	20.94			
20	64QAM	50	24	20.59	20.81	20.81			
20	64QAM	50	50	20.66	20.87	20.63			
20	64QAM	100	0	20.77	20.64	20.88	22.5	0	
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	20.69	20.95	20.63	22.5	0	
15	QPSK	1	37	20.85	20.72	20.74			
15	QPSK	1	74	20.72	20.87	20.89			
15	QPSK	36	0	20.91	20.79	20.76			
15	QPSK	36	20	20.85	20.78	20.83			
15	QPSK	36	39	20.85	20.75	20.87	22.5	0	
15	QPSK	75	0	20.79	20.88	20.72			
15	16QAM	1	0	20.79	20.82	20.74			
15	16QAM	1	37	20.69	20.76	20.75			
15	16QAM	1	74	20.90	20.80	20.89			
15	16QAM	36	0	20.77	20.77	20.78	22.5	0	
15	16QAM	36	20	20.79	20.93	20.78			
15	16QAM	36	39	20.68	20.69	20.78			
15	16QAM	75	0	20.87	20.81	20.80			
15	64QAM	1	0	20.83	20.71	20.77			
15	64QAM	1	37	20.74	20.68	20.82	22.5	0	
15	64QAM	1	74	20.68	20.91	20.65			
15	64QAM	36	0	20.76	20.91	20.85			
15	64QAM	36	20	20.67	20.70	20.82			
15	64QAM	36	39	20.68	20.78	20.64			
15	64QAM	75	0	20.85	20.76	20.71	22.5	0	
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	20.70	20.87	20.63	22.5	0	
10	QPSK	1	25	20.72	20.74	20.75			
10	QPSK	1	49	20.81	20.74	20.83			
10	QPSK	25	0	20.77	20.81	20.59			
10	QPSK	25	12	20.84	20.93	20.84			
10	QPSK	25	25	20.90	20.87	20.80	22.5	0	
10	QPSK	50	0	20.79	20.83	20.84			
10	16QAM	1	0	20.75	20.90	20.89			
10	16QAM	1	25	20.69	20.92	20.72			
10	16QAM	1	49	20.77	20.87	20.78			
10	16QAM	25	0	20.86	20.93	20.80	22.5	0	
10	16QAM	25	12	20.88	20.85	20.85			
10	16QAM	25	25	20.81	20.70	20.70			
10	16QAM	50	0	20.66	20.84	20.69			
10	64QAM	1	0	20.69	20.79	20.70			
10	64QAM	1	25	20.77	20.78	20.83	22.5	0	
10	64QAM	1	49	20.73	20.80	20.75			
10	64QAM	25	0	20.73	20.79	20.92			
10	64QAM	25	12	20.60	20.88	20.74			
10	64QAM	25	25	20.72	20.79	20.75			
10	64QAM	50	0	20.68	20.95	20.76	22.5	0	
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	20.73	20.95	20.72	22.5	0	
5	QPSK	1	12	20.70	20.78	20.72			
5	QPSK	1	24	20.78	20.91	20.80			
5	QPSK	12	0	20.80	20.81	20.59			
5	QPSK	12	7	20.80	20.77	20.78			
5	QPSK	12	13	20.89	20.89	20.81	22.5	0	
5	QPSK	25	0	20.80	20.75	20.67			
5	16QAM	1	0	20.82	20.83	20.79			
5	16QAM	1	12	20.87	20.89	20.79			
5	16QAM	1	24	20.81	20.70	20.88			
5	16QAM	12	0	20.83	20.92	20.72	22.5	0	
5	16QAM	12	7	20.89	20.79	20.78			
5	16QAM	12	13	20.60	20.89	20.66			
5	16QAM	25	0	20.85	20.85	20.66			
5	64QAM	1	0	20.86	20.67	20.84			
5	64QAM	1	12	20.78	20.69	20.84	22.5	0	
5	64QAM	1	24	20.66	20.91	20.68			
5	64QAM	12	0	20.94	20.83	20.78			
5	64QAM	12	7	20.62	20.77	20.80			
5	64QAM	12	13	20.73	20.75	20.61			
5	64QAM	25	0	20.81	20.94	20.90	22.5	0	
Channel				37750	38000	38250			
Frequency (MHz)				2570	2595	2620	Tune-up limit (dBm)	MPR (dB)	

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

Uplink CA Power

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

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

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

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

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

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

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

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

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

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

2CA DL

Configure	PCC										SCC					Power	
	LTE	Ant	BW	UL	UL	Mod.	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA	
	Band		(MHz)	Freq (MHz)	Channel		RB	RB		Freq (MHz)	Channel	Tx. Power	Tx. Power				
							Offset	Offset				(dBm)	(dBm)				
CA_2C	Band 2	Ant1	20M	1880	18900	QPSK	1	0		Band 2	20M	1979.8	1098		23.55	23.73	
	Band 2	Ant4	20M	1880	18900	QPSK	1	0		Band 2	20M	1979.8	1098		24.11	24.26	
CA_2A-4A	Band 2	Ant1	20M	1880	18900	QPSK	1	0		Band 4	20M	2132.5	2175		23.63	23.73	
	Band 2	Ant4	20M	1880	18900	QPSK	1	0		Band 4	20M	2132.5	2175		24.22	24.26	
	Band 4	Ant1	20M	2132.5	20175	QPSK	1	0		Band 2	20M	1980	900		23.42	23.55	
	Band 4	Ant4	20M	2132.5	20175	QPSK	1	0		Band 2	20M	1980	900		23.92	24.14	
CA_2A_5A	Band 2	Ant1	20M	1880	18900	QPSK	1	0		Band 5	10M	881.5	2525		23.67	23.73	
	Band 2	Ant4	20M	1880	18900	QPSK	1	0		Band 5	10M	881.5	2525		24.16	24.26	
	Band 5	Ant1	10M	838.5	20525	QPSK	1	0		Band 2	20M	1980	900		23.81	23.99	
	Band 5	Ant4	10M	838.5	20525	QPSK	1	0		Band 2	20M	1980	900		24.03	24.24	
CA_2A-7A	Band 2	Ant1	20M	1880	18900	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	23.53	23.73	
	Band 2	Ant4	20M	1880	18900	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	24.03	24.26	
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 2	20M	1980	900		23.91	24.09	
	Band 7	Ant4	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 2	20M	1980	900		23.63	23.85	
CA_4A-5A	Band 4	Ant1	20M	2132.5	20175	QPSK	1	0		Band 5	10M	881.5	2525		23.35	23.55	
	Band 4	Ant4	20M	2132.5	20175	QPSK	1	0		Band 5	10M	881.5	2525		24.01	24.14	
	Band 5	Ant1	10M	838.5	20525	QPSK	1	0		Band 4	20M	2132.5	2175		23.90	23.99	
	Band 5	Ant4	10M	838.5	20525	QPSK	1	0		Band 4	20M	2132.5	2175		24.02	24.24	
CA_4A-7A	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	23.34	23.55	
	Band 4	Ant4	20M	1732.5	20175	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	24.10	24.14	
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175		23.94	24.09	
	Band 7	Ant4	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175		23.64	23.85	
CA_5A-7A	Band 5	Ant1	10M	838.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	23.83	23.99	
	Band 5	Ant4	10M	838.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	24.13	24.24	
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		24.04	24.09	
	Band 7	Ant4	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		23.69	23.85	
CA_7C	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	24.02	24.09	
CA_7A-7A	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	23.89	24.09	
	Band 7	Ant4	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	23.66	23.85	
CA_38C	Band 38	Ant1	20M	2595	38000	QPSK	1	0	4x4MIMO	Band 38	20M	2614.8	38198	4x4MIMO	24.02	24.05	
CA_41C	Band 38	Ant4	20M	2595	38000	QPSK	1	0	4x4MIMO	Band 38	20M	2614.8	38198	4x4MIMO	23.76	23.86	
	Band 41	Ant1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	23.95	24.12	
CA_41A	Band 41	Ant4	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	23.91	23.96	
	Band 41	Ant1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	5M	2687.5	41565	4x4MIMO	23.98	24.12	
CA_41A-41A	Band 41	Ant4	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	5M	2687.5	41565	4x4MIMO	23.76	23.96	



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

n5 Ant1 Default power							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit MPR (dB)
Channel				166800	167300	167800	
Frequency (MHz)				834	836.5	839	
20	PI/2 BPSK	1	1	23.96	24.00	24.02	25.5
20	PI/2 BPSK	1	53	23.90	23.95	23.89	
20	PI/2 BPSK	1	104	23.87	23.89	23.90	
20	PI/2 BPSK	50	0	23.84	23.83	23.57	0.5
20	PI/2 BPSK	50	28	23.92	24.00	23.99	0.0
20	PI/2 BPSK	50	56	23.96	23.96	23.52	0.5
20	PI/2 BPSK	100	0	23.37	23.58	23.43	
20	QPSK	1	1	23.96	24.04	24.02	
20	QPSK	1	53	23.94	23.94	23.80	0.0
20	QPSK	1	104	23.89	23.76	23.78	1.0
20	QPSK	50	0	23.08	23.07	23.04	
20	QPSK	50	28	23.94	23.97	23.96	
20	QPSK	50	56	22.94	23.08	23.04	1.0
20	QPSK	100	0	23.12	23.13	23.05	1.0
20	16QAM	1	1	22.62	22.63	22.52	
20	64QAM	1	1	21.03	21.20	21.19	
20	256QAM	1	1	19.78	19.77	19.73	4.5
Channel				166300	167300	168300	Tune-up limit MPR (dB)
Frequency (MHz)				831.5	836.5	841.5	
15	QPSK	1	1	23.79	23.99	23.50	0.0
Channel				165800	167200	168500	Tune-up limit MPR (dB)
Frequency (MHz)				829	836.5	844	
10	QPSK	1	1	23.87	24.00	23.86	0.0
Channel				165300	167300	169300	Tune-up limit MPR (dB)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	1	23.67	23.91	23.96	0.0

n7 Ant1 Default power							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit MPR (dB)
Channel				502000	507000	512000	
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	24.06	24.16	24.19	25.5
20	PI/2 BPSK	1	53	24.03	24.19	23.99	
20	PI/2 BPSK	1	104	23.98	23.99	23.92	
20	PI/2 BPSK	50	0	23.70	23.75	23.61	0.5
20	PI/2 BPSK	50	28	24.21	24.24	24.14	0.0
20	PI/2 BPSK	50	56	23.66	23.89	23.76	0.5
20	PI/2 BPSK	100	0	23.58	23.75	23.69	
20	QPSK	1	1	24.10	24.29	24.08	
20	QPSK	1	53	23.96	24.06	24.00	0.0
20	QPSK	1	104	23.93	23.96	23.89	1.0
20	QPSK	50	0	23.05	23.19	23.08	
20	QPSK	50	28	24.00	24.20	24.19	
20	QPSK	50	56	23.21	23.23	23.31	1.0
20	QPSK	100	0	23.22	23.29	23.28	1.0
20	16QAM	1	1	22.75	23.05	22.72	
20	64QAM	1	1	21.35	21.66	21.48	
20	256QAM	1	1	20.02	20.21	20.00	4.5
Channel				501500	507000	512500	Tune-up limit MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	1	24.01	24.10	23.84	0.0
Channel				501000	507000	513000	Tune-up limit MPR (dB)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	1	23.95	24.05	23.94	0.0
Channel				500500	507000	513500	Tune-up limit MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	1	23.83	24.19	23.77	0.0



n38 Ant1 Default power

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				516000	519000	522000	25.5	0.0
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1	23.65	23.86	23.71	25.5	0.0
20	PI/2 BPSK	1	53	23.67	23.86	23.70		
20	PI/2 BPSK	1	104	23.69	23.81	23.59	25.0	0.5
20	PI/2 BPSK	50	0	23.26	23.29	23.11		
20	PI/2 BPSK	50	26	23.83	23.79	23.52	25.5	0.0
20	PI/2 BPSK	50	56	23.34	23.24	23.17		
20	PI/2 BPSK	100	0	23.25	23.26	23.33	25.0	0.5
20	QPSK	1	1	23.85	23.95	23.93		
20	QPSK	1	53	23.82	23.74	23.56	25.5	0.0
20	QPSK	1	104	23.65	23.75	23.75		
20	QPSK	50	0	22.82	22.86	22.82	24.5	1.0
20	QPSK	50	26	23.70	23.79	23.64		
20	QPSK	50	56	22.85	22.87	22.81	24.5	1.0
20	QPSK	100	0	22.76	22.89	22.86		
20	16QAM	1	1	22.51	22.70	22.85	24.5	1.0
20	64QAM	1	1	21.19	21.26	21.25		
20	256QAM	1	1	19.81	19.97	19.83	21.0	4.5
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	PI/2 BPSK	1	1	23.80	23.87	23.87	25.5	0.0
Channel				515504	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	PI/2 BPSK	1	1	23.65	23.81	23.74	25.5	0.0
Channel				515000	519000	523000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
5	QPSK	1	1	23.86	23.88	23.93	25.5	0.0

n41 PC3 Ant1 Default power

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504204	518598	532998	2521.02	2592.99
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	22.73	22.84	22.56	24.5	0.0
50	PI/2 BPSK	1	135	23.29	23.47	23.42		
50	PI/2 BPSK	1	268	22.54	22.71	22.56	24.5	0.0
50	PI/2 BPSK	135	0	23.35	23.44	23.28		
50	PI/2 BPSK	135	68	23.64	23.53	23.38	24.5	0.0
50	PI/2 BPSK	135	135	23.54	23.53	23.19		
50	PI/2 BPSK	270	0	23.35	23.38	23.19	24.5	0.0
50	QPSK	1	1	22.35	22.60	22.53		
50	QPSK	1	135	23.43	23.65	23.36	24.5	0.0
50	QPSK	1	268	22.39	22.55	22.46		
50	QPSK	135	0	23.29	23.16	23.14	24.5	0.0
50	QPSK	135	68	23.54	23.59	23.51		
50	QPSK	135	135	23.26	23.10	23.22	24.5	0.0
50	QPSK	270	0	23.14	23.25	23.22		
50	16QAM	1	1	22.46	22.46	22.46	24.5	0.0
50	64QAM	1	1	22.40	22.45	22.43		
50	256QAM	1	1	20.45	20.37	20.38	21.0	3.5
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	23.41	23.44	23.33	24.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	23.56	23.53	23.21	24.5	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	19	23.96	23.51	23.24	24.5	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	12	23.53	23.52	23.28	24.5	0.0

n41 PC2 Ant1 Default power

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504204	518598	532998	2521.02	2592.99
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	23.33	23.48	23.29	26.0	0.0
50	PI/2 BPSK	1	135	24.37	24.42	24.16		
50	PI/2 BPSK	1	268	23.32	23.40	23.40	25.5	0.5
50	PI/2 BPSK	135	0	24.16	24.37	24.17		
50	PI/2 BPSK	135	68	24.52	24.69	24.50	26.0	0.0
50	PI/2 BPSK	135	135	24.19	24.37	24.39		
50	PI/2 BPSK	270	0	24.19	24.22	24.15	25.5	0.5
50	QPSK	1	1	23.65	23.70	23.55		
50	QPSK	1	135	24.62	24.80	24.61	26.0	0.0
50	QPSK	1	268	23.61	23.77	23.61		
50	QPSK	135	0	23.69	23.68	23.63	25.0	1.0
50	QPSK	135	68	24.44	24.76	24.70		
50	QPSK	135	135	23.56	23.76	23.52	25.0	1.0
50	QPSK	270	0	23.50	23.66	23.64		
50	16QAM	1	1	23.69	23.72	23.61	25.0	1.0
50	64QAM	1	1	22.18	22.36	22.22		
50	256QAM	1	1	20.70	20.76	20.62	21.5	4.5
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	24.55	24.56	24.52	26.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	24.55	24.57	24.57	26.0	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	19	24.57	24.57	24.55	26.0	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	12	24.50	24.50	24.51	26.0	0.0

n7 Ant2 Default power								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	23.14	23.20	23.15	25.0	0.0
20	PI/2 BPSK	1	53	23.14	23.17	23.21		
20	PI/2 BPSK	1	104	23.07	23.07	23.05		
20	PI/2 BPSK	50	0	22.59	22.71	22.59		
20	PI/2 BPSK	50	28	23.15	23.24	23.10	25.0	0.0
20	PI/2 BPSK	50	56	22.58	22.69	22.74	24.5	0.5
20	PI/2 BPSK	100	0	22.70	22.75	22.84		
20	QPSK	1	1	23.14	23.28	23.20	25.0	0.0
20	QPSK	1	53	23.21	23.24	23.03		
20	QPSK	1	104	23.19	23.07	23.16		
20	QPSK	50	0	22.10	22.27	22.16		
20	QPSK	50	28	23.17	23.27	23.12	25.0	0.0
20	QPSK	50	56	22.37	22.42	22.51	24.0	1.0
20	QPSK	100	0	22.35	22.43	22.37		
20	16QAM	1	1	22.21	22.35	22.22	24.0	1.0
20	64QAM	1	1	20.67	20.57	20.53	22.5	2.5
20	256QAM	1	1	18.76	18.83	18.74	20.5	4.5
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	23.18	23.31	23.22	25.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	23.16	23.34	23.21	25.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	23.18	23.33	23.28	25.0	0.0

n38 Ant2 Default power

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

n41 PC3 Ant2 Default power

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504204	518598	533998	25.0	0.0
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	23.07	23.14	23.15	25.0	0.0
50	PI/2 BPSK	1	135	23.07	23.07	23.14		
50	PI/2 BPSK	1	268	23.03	23.08	23.14		
50	PI/2 BPSK	135	0	23.11	23.15	23.10	25.0	0.0
50	PI/2 BPSK	135	68	23.12	23.08	23.16	25.0	0.0
50	PI/2 BPSK	135	135	23.15	23.15	23.11	25.0	0.0
50	PI/2 BPSK	270	0	23.14	23.12	23.07		
50	QPSK	1	1	23.15	23.10	23.18		
50	QPSK	1	135	23.15	23.19	23.13	25.0	0.0
50	QPSK	1	268	23.13	23.15	23.16		
50	QPSK	135	0	23.11	23.15	23.12	25.0	0.0
50	QPSK	135	68	23.16	23.17	23.13	25.0	0.0
50	QPSK	135	135	23.09	23.20	23.11	25.0	0.0
50	QPSK	270	0	23.09	23.10	23.08	25.0	0.0
50	16QAM	1	1	23.10	23.14	23.11		
50	64QAM	k	1	21.76	21.79	21.85		
50	256QAM	1	1	19.70	19.66	19.68	21.5	3.5
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	23.07	23.10	23.16	25.0	0.0
Channel				501204	518598	533998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	23.08	23.11	23.12	25.0	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2662.48		
15	QPSK	1	19	23.06	23.12	23.12	25.0	0.0
Channel				500202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	12	23.09	23.09	23.17	25.0	0.0



Par270 n77 PC3 Ant2 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				648334	656000	663668	24.0	0.0	
Frequency (MHz)				3725.01	3840	3955.02			
50	PV2 BPSK	1	1	22.52	22.68	22.61	24.0	0.0	
50	PV2 BPSK	1	135	23.37	23.45	23.40			
50	PV2 BPSK	1	268	22.53	22.67	22.68	24.0	0.0	
50	PV2 BPSK	135	0	23.15	23.30	23.26			
50	PV2 BPSK	135	68	23.35	23.18	23.40	24.0	0.0	
50	PV2 BPSK	135	135	23.17	23.33	23.25			
50	PV2 BPSK	270	0	23.33	23.36	23.22	24.0	0.0	
50	QPSK	1	1	22.53	22.72	22.68			
50	QPSK	1	135	23.50	23.55	23.46	24.0	0.0	
50	QPSK	1	268	22.74	22.69	22.55			
50	QPSK	135	0	23.21	23.37	23.18	24.0	0.0	
50	QPSK	135	68	23.20	23.38	23.23			
50	QPSK	135	135	23.28	23.26	23.11	24.0	0.0	
50	QPSK	270	0	23.19	23.29	23.10			
50	16QAM	1	1	22.77	22.76	22.76	24.0	0.0	
50	64QAM	1	1	22.76	22.76	22.79	23.5	0.5	
50	256QAM	1	1	21.15	21.34	21.20	21.5	2.5	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	53	23.42	23.39	23.35	24.0	0.0	
Channel				647334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	26	23.40	23.37	23.34	24.0	0.0	
Channel				647168	656000	664634	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	19	23.35	23.36	23.34	24.0	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	12	23.38	23.37	23.36	24.0	0.0	

Par270 n77 PC2 Ant2 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				648334	656000	663668	27.0	0.0	
Frequency (MHz)				3725.01	3840	3955.02			
50	PV2 BPSK	1	1	25.10	25.10	25.06	27.0	0.0	
50	PV2 BPSK	1	135	25.31	25.35	25.23			
50	PV2 BPSK	1	268	24.88	24.96	24.83	26.5	0.5	
50	PV2 BPSK	135	0	25.31	25.50	25.34			
50	PV2 BPSK	135	68	25.42	25.46	25.38	27.0	0.0	
50	PV2 BPSK	135	135	25.38	25.44	25.39			
50	PV2 BPSK	270	0	25.28	25.44	25.35	26.5	0.5	
50	QPSK	1	1	25.26	25.19	25.04			
50	QPSK	1	135	25.41	25.53	25.48	27.0	0.0	
50	QPSK	1	268	25.27	25.28	25.31			
50	QPSK	135	0	24.68	24.85	24.66	26.0	1.0	
50	QPSK	135	68	25.35	25.42	25.24			
50	QPSK	135	135	24.58	24.50	24.78	26.0	1.0	
50	QPSK	270	0	24.63	24.68	24.61			
50	16QAM	1	1	24.59	24.61	24.59	26.0	1.0	
50	64QAM	1	1	23.12	23.17	2.18	24.5	2.5	
50	256QAM	1	1	20.94	20.95	20.87	22.5	4.5	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	53	25.31	25.46	25.33	27.0	0.0	
Channel				647334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	26	25.31	25.46	25.34	27.0	0.0	
Channel				647168	656000	664634	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	19	25.30	25.44	25.34	27.0	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	12	25.29	25.44	25.36	27.0	0.0	

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



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

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

Part27O n78 PC2 Ant2 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				655000					
Frequency (MHz)				3750					
50	PI/2 BPSK	1	1		25.10				
50	PI/2 BPSK	1	135		25.39		27.0	0.0	
50	PI/2 BPSK	1	268		25.12				
50	PI/2 BPSK	135	0		25.10		26.5	0.5	
50	PI/2 BPSK	135	68		25.39		27.0	0.0	
50	PI/2 BPSK	135	135		25.02				
50	PI/2 BPSK	270	0		24.96		26.5	0.5	
50	QPSK	1	1		25.13				
50	QPSK	1	135		25.45		27.0	0.0	
50	QPSK	1	268		25.12				
50	QPSK	135	0		25.12		27.0	0.0	
50	QPSK	135	68		25.39		27.0	0.0	
50	QPSK	135	135		24.46		27.0	0.0	
50	QPSK	270	0		24.61				
50	16QAM	1	1		23.81		26.0	1.0	
50	64QAM	1	1		23.14		24.5	2.5	
50	256QAM	1	1		20.97		22.5	4.5	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	27.0	0.0	
40	QPSK	1	53		25.33	25.18	25.30	27.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	27.0	0.0	
20	QPSK	1	26		25.34	25.18	25.30	27.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51	27.0	0.0	
15	QPSK	1	19		25.34	25.16	25.31	27.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	27.0	0.0	
10	QPSK	1	12		25.30	25.16	25.30	27.0	0.0

Part27Q 78 PC3 Ant2 Default power

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334	3500.01		24.0	0.0	
Frequency (MHz)									
50	PI/2 BPSK	1	1		22.38		24.0	0.0	
50	PI/2 BPSK	1	135		23.20				
50	PI/2 BPSK	1	268		22.32				
50	PI/2 BPSK	135	0		23.17				
50	PI/2 BPSK	135	68		23.20		24.0	0.0	
50	PI/2 BPSK	135	135		23.21				
50	PI/2 BPSK	270	0		23.19				
50	QPSK	1	1		22.37				
50	QPSK	1	135		23.29		24.0	0.0	
50	QPSK	1	268		22.34				
50	QPSK	135	0		23.19				
50	QPSK	135	68		23.26				
50	QPSK	135	135		23.23		24.0	0.0	
50	QPSK	270	0		23.24				
50	16QAM	1	1		22.34				
50	64QAM	1	1		22.75				
50	256QAM	1	1		20.84		21.5	2.5	
Channel				633334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53		23.18	23.17	23.19	24.0	0.0
Channel				630968	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26		23.17	23.18	23.22	24.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	19		23.19	23.16	23.19	24.0	0.0
Channel				630324	633334	636324	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	12		23.18	23.16	23.20	24.0	0.0

Part27Q 78 PC2 Ant2 Default power

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
50	PI/2 BPSK	1	1		25.12		27.0	0.0
50	PI/2 BPSK	1	135		25.28			
50	PI/2 BPSK	1	268		25.10			
50	PI/2 BPSK	135	0		24.99	26.5		
50	PI/2 BPSK	135	68		25.28		27.0	0.5
50	PI/2 BPSK	135	135		24.93		26.5	0.5
50	PI/2 BPSK	270	0		24.87			
50	QPSK	1	1		25.11			
50	QPSK	1	135		25.36			
50	QPSK	1	268		25.09		27.0	0.0
50	QPSK	135	0		25.05		27.0	0.0
50	QPSK	135	68		25.29		27.0	0.0
50	QPSK	135	135		24.36		27.0	0.0
50	QPSK	270	0		24.49			
50	16QAM	1	1		23.73			
50	64QAM	1	1		22.82	26.0		
50	256QAM	1	1		20.87	24.5	22.5	2.5
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	25.21	25.08	25.22	27.0	0.0
Channel				630968	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26	25.23	25.07	25.21	27.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	25.21	25.08	25.19	27.0	0.0
Channel				630324	633334	636324	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	25.22	25.09	25.20	27.0	0.0



Par270 n77 PC3 Ant3 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBn)	MPR (dB)	
Channel				648334	656000	663666			
Frequency (MHz)				3725.01	3840	3955.02			
50	PI/2 BPSK	1	1	22.25	22.38	22.40			
50	PI/2 BPSK	1	135	23.18	23.38	23.31	24.0	0.0	
50	PI/2 BPSK	1	268	22.22	22.39	22.33			
50	PI/2 BPSK	135	0	23.18	23.22	23.24	24.0	0.0	
50	PI/2 BPSK	135	68	23.24	23.19	23.29	24.0	0.0	
50	PI/2 BPSK	135	135	23.09	23.23	23.09			
50	PI/2 BPSK	270	0	23.16	23.18	23.10	24.0	0.0	
50	QPSK	1	1	22.25	22.31	22.35			
50	QPSK	1	135	23.44	23.53	23.31	24.0	0.0	
50	QPSK	1	268	22.08	22.37	22.28			
50	QPSK	135	0	23.07	23.22	23.19	24.0	0.0	
50	QPSK	135	68	23.21	23.41	23.22	24.0	0.0	
50	QPSK	135	135	23.30	23.31	23.13	24.0	0.0	
50	QPSK	270	0	23.17	23.29	22.91			
50	16QAM	1	1	22.22	22.07	22.20	24.0	0.0	
50	84QAM	1	1	22.87	22.87	22.89	23.5	0.5	
50	256QAM	1	1	21.14	21.18	21.08	21.5	2.5	
Channel				648000	656000	664000	Tune-up limit (dBn)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	53	23.38	23.38	23.36	24.0	0.0	
Channel				647334	656000	663666	Tune-up limit (dBn)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	26	23.28	23.41	23.30	24.0	0.0	
Channel				647168	656000	664834	Tune-up limit (dBn)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	19	23.40	23.43	23.24	24.0	0.0	
Channel				647000	656000	665000	Tune-up limit (dBn)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	12	23.36	23.31	23.25	24.0	0.0	

Par270 n77 PC2 Ant3 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBn)	MPR (dB)	
Channel				648334	656000	663666			
Frequency (MHz)				3725.01	3840	3955.02			
50	PI/2 BPSK	1	1	25.49	25.43	25.36			
50	PI/2 BPSK	1	135	25.97	26.19	25.98	27.0	0.0	
50	PI/2 BPSK	1	268	25.29	25.53	25.24			
50	PI/2 BPSK	135	0	26.16	26.28	26.07	26.5	0.5	
50	PI/2 BPSK	135	68	26.20	26.36	26.14	27.0	0.0	
50	PI/2 BPSK	135	135	26.08	26.16	26.25			
50	PI/2 BPSK	270	0	26.12	26.28	26.13	26.5	0.5	
50	QPSK	1	1	25.64	25.57	25.57			
50	QPSK	1	135	26.07	26.37	26.35	27.0	0.0	
50	QPSK	1	268	25.64	25.51	25.58			
50	QPSK	135	0	25.34	25.31	25.33	26.0	1.0	
50	QPSK	135	68	26.22	26.23	26.05	27.0	0.0	
50	QPSK	135	135	25.44	25.54	25.53	26.0	1.0	
50	QPSK	270	0	25.48	25.54	25.44			
50	16QAM	1	1	24.61	24.53	24.42	26.0	1.0	
50	84QAM	1	1	23.87	23.86	23.88	24.5	2.5	
50	256QAM	1	1	21.79	21.76	21.61	22.5	4.5	
Channel				648000	656000	664000	Tune-up limit (dBn)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	53	25.90	26.11	25.92	27.0	0.0	
Channel				647334	656000	663666	Tune-up limit (dBn)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	26	25.87	25.93	25.88	27.0	0.0	
Channel				647168	656000	664834	Tune-up limit (dBn)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	19	25.92	25.94	26.03	27.0	0.0	
Channel				647000	656000	665000	Tune-up limit (dBn)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	12	25.96	26.00	25.84	27.0	0.0	

Part27Q n77 PC3 Ant3 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBn)	MPR (dB)	
Channel					633334	3500.01			
Frequency (MHz)					3500.01				
50	PI/2 BPSK	1	1		22.83				
50	PI/2 BPSK	1	135		23.47		24.0	0.0	
50	PI/2 BPSK	1	268		22.61				
50	PI/2 BPSK	135	0		23.30		24.0	0.0	
50	PI/2 BPSK	135	68		23.32				
50	PI/2 BPSK	135	135		23.33				
50	PI/2 BPSK	270	0		23.40		24.0	0.0	
50	QPSK	1	1		22.71				
50	QPSK	1	135		23.49		24.0	0.0	
50	QPSK	1	268		22.50				
50	QPSK	135	0		23.36				
50	QPSK	135	68		23.38		24.0	0.0	
50	QPSK	135	135		23.36				
50	QPSK	270	0		23.35		24.0	0.0	
50	16QAM	1	1		22.99		24.0	0.0	
50	84QAM	1	1		22.95		23.5	0.5	
50	256QAM	1	1		20.94		21.5	2.5	
Channel				631334	633334	635334	Tune-up limit (dBn)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53	23.45	23.45	23.47	24.0	0.0	
Channel				630968	633334	635000	Tune-up limit (dBn)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26	23.20	23.20	23.27	24.0	0.0	
Channel				630500	633334	636168	Tune-up limit (dBn)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	19	23.28	23.14	23.16	24.0	0.0	
Channel				630324	633334	636314	Tune-up limit (dBn)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	12	23.20	23.16	23.30	24.0	0.0	



Part27Q n77 PC2 Ant3 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
50	PI/2 BPSK	1	1		25.41				
50	PI/2 BPSK	1	135		25.91		27.0	0.0	
50	PI/2 BPSK	1	268		25.22				
50	PI/2 BPSK	135	0		25.81		26.5	0.5	
50	PI/2 BPSK	135	68		25.95		27.0	0.0	
50	PI/2 BPSK	135	135		25.95				
50	PI/2 BPSK	270	0		26.00		26.5	0.5	
50	QPSK	1	1		25.59				
50	QPSK	1	135		26.23		27.0	0.0	
50	QPSK	1	268		25.26		27.0	0.0	
50	QPSK	135	0		25.29				
50	QPSK	135	68		26.03		27.0	0.0	
50	QPSK	135	135		25.33		27.0	0.0	
50	QPSK	270	0		25.53				
50	16QAM	1	1		24.50		26.0	1.0	
50	64QAM	1	1		23.58		24.5	2.5	
50	256QAM	1	1		21.63		22.5	4.5	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53		26.12	26.19	26.19	27.0	0.0
Channel				63096	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26		26.17	26.13	26.11	27.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.02			
15	QPSK	1	19		26.17	26.22	26.20	27.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	12		26.14	26.17	26.19	27.0	0.0

Part27O n78 PC3 Ant3 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				648000					
Frequency (MHz)				3750					
50	PI/2 BPSK	1	1		22.37				
50	PI/2 BPSK	1	135		23.32		24.0	0.0	
50	PI/2 BPSK	1	268		22.42				
50	PI/2 BPSK	135	0		23.29		24.0	0.0	
50	PI/2 BPSK	135	68		23.37		24.0	0.0	
50	PI/2 BPSK	135	135		23.33				
50	PI/2 BPSK	270	0		23.25		24.0	0.0	
50	QPSK	1	1		22.44				
50	QPSK	1	135		23.40		24.0	0.0	
50	QPSK	1	268		22.48				
50	QPSK	135	0		23.31		24.0	0.0	
50	QPSK	135	68		23.38		24.0	0.0	
50	QPSK	135	135		23.35		24.0	0.0	
50	QPSK	270	0		23.36				
50	16QAM	1	1		22.15		24.0	0.0	
50	64QAM	1	1		22.75		23.5	0.5	
50	256QAM	1	1		20.87		21.5	2.5	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	53		23.13	23.35	23.32	24.0	0.0
Channel				647354	650000	652658	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	26		23.08	23.31	23.13	24.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	19		23.16	23.39	23.26	24.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)					3705	3750	3795		
10	QPSK	1	12		23.16	23.23	23.33	24.0	0.0

Part27O n78 PC2 Ant3 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
50	PI/2 BPSK	1	1		25.73				
50	PI/2 BPSK	1	135		26.19		27.0	0.0	
50	PI/2 BPSK	1	268		25.66				
50	PI/2 BPSK	135	0		25.88		26.5	0.5	
50	PI/2 BPSK	135	68		26.20		27.0	0.0	
50	PI/2 BPSK	135	135		25.82				
50	PI/2 BPSK	270	0		25.75		26.5	0.5	
50	QPSK	1	1		25.84				
50	QPSK	1	135		26.22		27.0	0.0	
50	QPSK	1	268		25.73				
50	QPSK	135	0		25.91		27.0	0.0	
50	QPSK	135	68		26.21		27.0	0.0	
50	QPSK	135	135		25.25		27.0	0.0	
50	QPSK	270	0		25.40				
50	16QAM	1	1		24.65		26.0	1.0	
50	64QAM	1	1		23.78		24.5	2.5	
50	256QAM	1	1		21.98		22.5	4.5	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	53		26.03	26.20	26.10	27.0	0.0
Channel				647354	650000	652658	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	26		25.89	26.18	26.16	27.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	19		26.05	26.17	26.08	27.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)					3705	3750	3795		
10	QPSK	1	12		26.02	26.15	25.96	27.0	0.0

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

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

n5 Ant4 Default power

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	25.5	0.0
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	24.12	23.97	23.87		
20	PI/2 BPSK	1	53	23.74	23.89	23.79		
20	PI/2 BPSK	1	104	23.55	23.78	23.64	25.0	0.5
20	PI/2 BPSK	50	0	23.42	23.55	23.35		
20	PI/2 BPSK	50	28	24.04	24.06	23.85		
20	PI/2 BPSK	50	56	23.38	23.48	23.25		
20	PI/2 BPSK	100	0	23.43	23.60	23.44	25.0	0.5
20	QPSK	1	1	23.94	24.15	24.03		
20	QPSK	1	53	23.90	23.93	23.88		
20	QPSK	1	104	23.71	23.93	23.53		
20	QPSK	50	0	22.79	23.10	22.55	24.5	1.0
20	QPSK	50	28	23.75	23.98	23.64		
20	QPSK	50	56	23.12	23.10	23.09		
20	QPSK	100	0	23.13	23.15	23.12		
20	16QAM	1	1	23.12	23.15	23.10	24.5	1.0
1	64QAM	1	1	21.65	21.68	21.65		
20	256QAM	1	1	19.50	19.63	19.45		
Channel				166300	167300	168300	24.5	1.0
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.73	23.93	23.91		
Channel				165800	167300	168800	25.5	0.0
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.77	23.97	23.89		
Channel				165300	167300	169300	25.5	0.0
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	23.89	23.90	23.84		

n7 Ant4 Default power

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000	25.5	0.0
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	24.30	24.58	24.67		
20	PI/2 BPSK	1	53	24.58	24.64	24.62	25.5	0.5
20	PI/2 BPSK	1	104	24.30	24.49	24.11		
20	PI/2 BPSK	50	0	24.11	24.04	24.01		
20	PI/2 BPSK	50	28	24.53	24.48	24.41		
20	PI/2 BPSK	50	56	23.90	23.98	24.00	25.0	0.5
20	PI/2 BPSK	100	0	24.03	24.19	24.03		
20	QPSK	1	1	24.53	24.69	24.46		
20	QPSK	1	53	24.51	24.67	24.56		
20	QPSK	1	104	24.38	24.60	24.31	24.5	1.0
20	QPSK	50	0	23.43	23.58	23.49		
20	QPSK	50	28	24.31	24.56	24.31		
20	QPSK	50	56	23.67	23.85	23.62		
20	QPSK	100	0	23.65	23.69	23.60	24.5	1.0
20	16QAM	1	1	23.48	23.34	23.41		
20	64QAM	1	1	22.08	22.09	21.93		
20	256QAM	1	1	20.34	20.47	20.33		
Channel				501500	507000	512500	21.0	4.5
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	24.50	24.53	24.30		
Channel				501000	507000	513000	25.5	0.0
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	24.43	24.60	24.30		
Channel				500500	507000	513500	25.5	0.0
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	24.51	24.63	24.40		



n38 Ant4 Default power

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				516090	516200	522000	25.5	0.0
Frequency (MHz)				2590	2595	2610		
20	PI/2 BPSK	1	1	24.32	24.40	24.28	25.5	0.0
20	PI/2 BPSK	1	53	24.44	24.44	24.33		
20	PI/2 BPSK	1	104	24.34	24.36	24.33	25.0	0.5
20	PI/2 BPSK	50	0	23.95	23.97	23.81		
20	PI/2 BPSK	50	28	24.32	24.40	24.19	25.5	0.0
20	PI/2 BPSK	50	56	24.05	24.03	23.85		
20	PI/2 BPSK	100	0	23.92	23.99	23.86	25.0	0.5
20	QPSK	1	1	24.41	24.49	24.36		
20	QPSK	1	53	24.35	24.37	24.20	25.5	0.0
20	QPSK	1	104	24.20	24.32	24.23		
20	QPSK	50	0	23.58	23.58	23.45	24.5	1.0
20	QPSK	50	28	24.43	24.48	24.39		
20	QPSK	50	56	23.51	23.59	23.57	24.5	1.0
20	QPSK	100	0	23.61	23.66	23.53		
20	16QAM	1	1	23.56	23.59	23.58	24.5	1.0
20	64QAM	1	1	21.96	21.96	21.86		
20	256QAM	1	1	20.14	20.23	20.14	21.0	4.5
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR
Frequency (MHz)				2577.51	2595	2612.49		
15	PI/2 BPSK	1	1	24.31	24.36	24.37	25.5	0.0
Channel				515004	516200	522996	Tune-up limit (dBm)	MPR
Frequency (MHz)				2575.02	2595	2614.98		
10	PI/2 BPSK	1	1	24.39	24.41	24.35	25.5	0.0
Channel				515000	519000	523000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2576	2595	2615		
5	QPSK	1	1	24.39	24.37	24.37	25.5	0.0

n41 PC3 Ant4 Default power

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504204	518598	532998	25.5	0.0
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	23.28	23.27	23.05	24.5	0.0
50	PI/2 BPSK	1	135	24.01	24.21	24.00		
50	PI/2 BPSK	1	268	23.38	23.38	23.31	24.0	0.5
50	PI/2 BPSK	135	0	23.94	24.04	23.83		
50	PI/2 BPSK	135	68	24.19	24.14	23.85	24.5	0.0
50	PI/2 BPSK	135	135	24.00	24.08	23.84		
50	PI/2 BPSK	270	0	24.04	24.16	23.84	24.0	0.5
50	QPSK	1	1	23.09	23.10	23.13		
50	QPSK	1	135	24.09	24.29	24.14	24.5	0.0
50	QPSK	1	268	23.41	23.27	23.29		
50	QPSK	135	0	23.94	23.85	23.81	23.5	1.0
50	QPSK	135	68	24.09	24.28	24.14		
50	QPSK	135	135	23.87	24.09	24.14	23.5	1.0
50	QPSK	270	0	23.86	24.01	23.87		
50	16QAM	1	1	23.13	23.19	22.84	23.5	1.0
50	64QAM	1	1	22.84	23.05	23.09		
50	256QAM	1	1	22.23	22.17	22.22	20.0	4.5
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	22.93	23.04	22.93	24.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR
Frequency (MHz)				2508.02	2592.99	2679.99		
20	QPSK	1	26	22.87	22.95	22.98	24.5	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	19	23.05	23.00	22.93	24.5	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	12	23.00	23.09	23.10	24.5	0.0

n41 PC2 Ant4 Default power

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504204	518598	532998	25.5	0.0
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	23.00	23.24	23.05	26.0	0.0
50	PI/2 BPSK	1	135	24.45	24.59	24.56		
50	PI/2 BPSK	1	268	23.66	23.83	23.80	25.5	0.5
50	PI/2 BPSK	135	0	24.06	24.14	24.08		
50	PI/2 BPSK	135	68	24.33	24.44	24.21	26.0	0.0
50	PI/2 BPSK	135	135	24.35	24.42	24.38		
50	PI/2 BPSK	270	0	24.10	24.27	24.19	25.5	0.5
50	QPSK	1	1	23.20	23.27	23.12		
50	QPSK	1	135	24.38	24.64	24.61	26.0	0.0
50	QPSK	1	268	23.71	23.91	23.80		
50	QPSK	135	0	23.19	23.29	23.11	25.0	1.0
50	QPSK	135	68	24.55	24.60	24.44		
50	QPSK	135	135	23.40	23.53	23.50	26.0	1.0
50	QPSK	270	0	23.26	23.49	23.32		
50	16QAM	1	1	23.29	23.46	23.43	25.0	1.0
50	64QAM	1	1	21.71	21.88	21.86		
50	256QAM	1	1	20.08	20.08	19.87	21.5	4.5
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	24.52	24.56	24.53	26.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR
Frequency (MHz)				2508.02	2592.99	2679.99		
20	QPSK	1	26	23.58	24.61	24.62	26.0	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	19	24.62	24.58	24.62	26.0	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	12	24.62	24.59	24.60	26.0	0.0

Par270 n77 PC3 Ant5 Default power

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				648334	656000	663668		
Frequency (MHz)				3725.01	3840	3955.02		
50	PI/2 BPSK	1	1	22.29	22.25	22.24	24.0	0.0
50	PI/2 BPSK	1	135	22.25	22.25	22.23		
50	PI/2 BPSK	1	268	22.23	22.22	22.22		
50	PI/2 BPSK	135	0	22.37	22.37	22.35	24.0	0.0
50	PI/2 BPSK	135	68	22.37	22.43	22.46	24.0	0.0
50	PI/2 BPSK	135	135	22.34	22.34	22.34	24.0	0.0
50	PI/2 BPSK	270	0	22.43	22.44	22.46		
50	QPSK	1	1	22.38	22.42	22.45		
50	QPSK	1	135	22.37	22.49	22.44	24.0	0.0
50	QPSK	1	268	22.24	22.22	22.26	24.0	0.0
50	QPSK	135	0	22.44	22.44	22.44		
50	QPSK	135	68	22.39	22.47	22.42		
50	QPSK	135	135	22.33	22.35	22.31	24.0	0.0
50	QPSK	270	0	22.30	22.37	22.27	24.0	0.0
50	16QAM	1	1	22.12	22.13	22.13		
50	64QAM	1	1	22.24	22.20	22.21		
50	256QAM	1	1	21.31	21.16	21.26	22.5	1.5
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	53	22.43	22.39	22.28	24.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	26	22.43	22.46	22.45	24.0	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	19	22.37	22.45	22.34	24.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	12	22.35	22.42	22.39	24.0	0.0

Part27Q n77 PC3 Ant5 Default power

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
50	PI/2 BPSK	1	1		22.09		24.0	0.0
50	PI/2 BPSK	1	135		22.27			
50	PI/2 BPSK	1	268		22.14			
50	PI/2 BPSK	135	0		22.29		24.0	0.0
50	PI/2 BPSK	135	68		22.27			
50	PI/2 BPSK	135	135		22.26			
50	PI/2 BPSK	270	0		22.31		24.0	0.0
50	QPSK	1	1		22.13		24.0	0.0
50	QPSK	1	135		22.34			
50	QPSK	1	268		22.18			
50	QPSK	135	0		22.24		24.0	0.0
50	QPSK	135	68		22.29			
50	QPSK	135	135		22.10			
50	QPSK	270	0		22.29		24.0	0.0
50	16QAM	1	1		22.18		24.0	0.0
50	64QAM	1	1		22.15		24.0	0.0
50	256QAM	1	1		21.13		22.5	1.5
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	22.30	22.29	22.29	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26	22.31	22.26	22.25	24.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	22.32	22.26	22.26	24.0	0.0
Channel				630332	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	22.32	22.26	22.29	24.0	0.0

Part27O n78 PC3 Ant5 Default power

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				648334	650000	651668		
Frequency (MHz)				3725.01	3750	3775.02		
50	PI/2 BPSK	1	1	22.24	22.25	22.21	24.0	0.0
50	PI/2 BPSK	1	135	22.26	22.24	22.25		
50	PI/2 BPSK	1	268	22.22	22.22	22.21		
50	PI/2 BPSK	135	0	22.24	22.27	22.23	24.0	0.0
50	PI/2 BPSK	135	68	22.26	22.22	22.24	24.0	0.0
50	PI/2 BPSK	135	135	22.21	22.20	22.23	24.0	0.0
50	PI/2 BPSK	270	0	22.21	22.21	22.21		
50	QPSK	1	1	22.11	22.12	22.13		
50	QPSK	1	135	22.34	22.36	22.30	24.0	0.0
50	QPSK	1	268	22.23	22.22	22.25		
50	QPSK	135	0	22.05	22.05	22.05		
50	QPSK	135	68	22.23	22.25	22.22	24.0	0.0
50	QPSK	135	135	22.13	22.13	22.10	24.0	0.0
50	QPSK	270	0	22.24	22.25	22.20	24.0	0.0
50	16QAM	1	1	22.21	22.21	22.22		
50	64QAM	1	1	22.10	22.13	22.13		
50	256QAM	1	1	21.16	21.13	21.12	22.5	1.5
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	53	22.26	22.34	22.22	24.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	26	22.30	22.32	22.23	24.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	19	22.32	22.32	22.20	24.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	12	22.30	22.34	22.23	24.0	0.0

Part27Q 78 PC3 Ant5 Default power

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



Par27O n77 PC3 Ant6 Default power								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				648334	666000	683668	23.0	0.0
Frequency (MHz)				3725.01	3840	3955.02		
50	PI/2 BPSK	1	1	22.18	22.18	22.20		
50	PI/2 BPSK	1	135	22.16	22.18	22.16	23.0	0.0
50	PI/2 BPSK	1	268	22.15	22.15	22.17		
50	PI/2 BPSK	135	0	22.29	22.24	22.29		
50	PI/2 BPSK	135	68	22.31	22.35	22.33	23.0	0.0
50	PI/2 BPSK	135	135	22.27	22.28	22.25	23.0	0.0
50	PI/2 BPSK	270	0	22.36	22.35	22.30		
50	QPSK	1	1	22.29	22.36	22.32		
50	QPSK	1	135	22.33	22.38	22.35	23.0	0.0
50	QPSK	1	268	22.15	22.15	22.11		
50	QPSK	135	0	22.32	22.32	22.34		
50	QPSK	135	68	22.30	22.35	22.33	23.0	0.0
50	QPSK	135	135	22.24	22.25	22.25	23.0	0.0
50	QPSK	270	0	22.20	22.30	22.27		
50	16QAM	1	1	22.05	22.08	22.04	23.0	0.0
50	64QAM	1	1	22.16	22.14	22.12	23.0	0.0
50	256QAM	1	1	21.21	21.12	21.17	21.5	1.5
Channel				648000	666000	684000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960	23.0	0.0
40	QPSK	1	53	22.28	22.34	22.37	23.0	0.0
Channel				647334	666000	685668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02	23.0	0.0
20	QPSK	1	26	22.28	22.37	22.32	23.0	0.0
Channel				647168	666000	684834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51	23.0	0.0
15	QPSK	1	19	22.30	22.35	22.34	23.0	0.0
Channel				647000	666000	685000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975	23.0	0.0
10	QPSK	1	12	22.28	22.37	22.37	23.0	0.0

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

Part27O n78 PC3 Ant6 Defualt power

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

Part27Q 78 PC3 Ant6 Defualt power

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334	3500.01			
Frequency (MHz)								
50	PI/2 BPSK	1	1		21.02		23.0	0.0
50	PI/2 BPSK	1	135		21.11			
50	PI/2 BPSK	1	268		21.14			
50	PI/2 BPSK	135	0		21.10		23.0	0.0
50	PI/2 BPSK	135	68		21.07			
50	PI/2 BPSK	135	135		21.12		23.0	0.0
50	PI/2 BPSK	270	0		21.10			
50	QPSK	1	1		21.08		23.0	0.0
50	QPSK	1	135		21.21			
50	QPSK	1	268		21.15			
50	QPSK	135	0		21.09		23.0	0.0
50	QPSK	135	68		21.19			
50	QPSK	135	135		20.99		23.0	0.0
50	QPSK	270	0		21.09			
50	16QAM	1	1		20.52		23.0	0.0
50	64QAM	1	1		20.95		23.0	0.0
50	256QAM	1	1		19.98		21.5	1.5
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	21.09	21.08	21.13	23.0	0.0
Channel				632558	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26	21.11	21.09	21.12	23.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	21.09	21.08	21.10	23.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	21.11	21.08	21.10	23.0	0.0



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

n5 Ant1 Default power								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 166800	Power Middle Ch. / Freq. 167300	Power High Ch. / Freq. 167800	Tune-up limit (dbm)	MPR (db)
Channel				834	836.5	838	25.5	0.0
Frequency (MHz)								
20	PI/2 BPSK	1	1	23.87	24.07	23.93	25.5	0.0
20	PI/2 BPSK	1	26	23.82	24.01	23.85		
20	PI/2 BPSK	1	49	23.80	23.92	23.82		
20	PI/2 BPSK	25	0	23.70	23.78	23.59	25.0	0.5
20	PI/2 BPSK	25	13	23.81	24.03	23.81	25.5	0.0
20	PI/2 BPSK	25	26	23.55	23.69	23.61	25.0	0.5
20	PI/2 BPSK	50	0	23.55	23.74	23.69		
20	QPSK	1	1	23.90	24.11	24.07	25.5	0.0
20	QPSK	1	26	23.83	24.04	23.98		
20	QPSK	1	49	23.79	23.92	23.87		
20	QPSK	25	0	23.07	23.24	23.19	24.5	1.0
20	QPSK	25	13	23.87	24.06	23.89	25.5	0.0
20	QPSK	25	26	23.05	23.14	22.98	24.5	1.0
20	QPSK	50	0	23.12	23.26	23.09		
20	16QAM	1	1	22.81	22.91	22.76	24.5	1.0
20	64QAM	1	1	21.22	21.27	21.09	23.0	2.5
20	256QAM	1	1	19.55	19.69	19.61	21.0	4.5
Channel				166300	167300	168300	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.87	23.94	23.80	25.5	0.0
Channel				165800	167300	168800	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.86	23.98	23.86	25.5	0.0

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



n38 Ant1 Default power

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518000 2590	519000 2595	522000 2610	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2590	2595	2610		
20	PI/2 BPSK	1	1	23.89	23.96	23.81		
20	PI/2 BPSK	1	26	23.93	24.08	23.88	25.5	0.0
20	PI/2 BPSK	1	49	23.89	23.94	23.78		
20	PI/2 BPSK	25	0	23.39	23.49	23.27	25.0	0.5
20	PI/2 BPSK	25	13	24.00	24.02	23.81	25.5	0.0
20	PI/2 BPSK	25	26	23.45	23.48	23.38		
20	PI/2 BPSK	50	0	23.52	23.52	23.48	25.0	0.5
20	QPSK	1	1	23.94	24.12	24.05		
20	QPSK	1	26	24.00	24.01	23.78	25.5	0.0
20	QPSK	1	49	23.79	23.67	23.77		
20	QPSK	25	0	22.96	23.04	22.93	24.5	1.0
20	QPSK	25	13	23.98	24.03	23.93	25.5	0.0
20	QPSK	25	26	23.10	23.11	23.05		
20	QPSK	50	0	23.12	23.13	23.09		
20	16QAM	1	1	23.12	23.33	23.32	24.5	1.0
20	64QAM	1	1	21.12	21.17	21.17	23.0	2.5
20	256QAM	1	1	19.74	19.88	19.84	21.0	4.5
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	PI/2 BPSK	1	1	23.72	23.88	23.93	25.5	0.0
Channel				513004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	PI/2 BPSK	1	1	23.82	23.91	23.98	25.5	0.0

n41 PC3 Ant1 Default power

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509002	518598	528000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	23.05	23.09	22.93		
100	PI/2 BPSK	1	137	23.74	23.91	23.81	24.5	0.0
100	PI/2 BPSK	1	271	22.87	23.01	22.99		
100	PI/2 BPSK	135	0	23.78	23.83	23.68	24.5	0.0
100	PI/2 BPSK	135	69	23.88	23.91	23.79	24.5	0.0
100	PI/2 BPSK	135	138	23.81	23.82	23.59		
100	PI/2 BPSK	270	0	23.59	23.78	23.58	24.5	0.0
100	QPSK	1	1	22.81	23.02	22.98		
100	QPSK	1	137	23.83	23.84	23.79	24.5	0.0
100	QPSK	1	271	22.76	22.86	22.81		
100	QPSK	135	0	23.57	23.57	23.58	24.5	0.0
100	QPSK	135	69	23.90	23.92	23.88	24.5	0.0
100	QPSK	135	138	23.56	23.49	23.61		
100	QPSK	270	0	23.59	23.72	23.56		
100	16QAM	1	1	23.79	23.79	23.75	24.5	0.0
100	64QAM	1	1	22.42	22.46	22.47	23.0	1.5
100	256QAM	1	1	20.34	20.33	20.36	21.0	3.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	23.65	23.82	23.43	24.5	0.0
Channel				507204	518598	529996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2538.02	2592.99	2649.99		
80	QPSK	1	109	23.82	23.80	23.62	24.5	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	23.82	23.68	23.57	24.5	0.0
Channel				504204	518598	532996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	23.84	23.80	23.49	24.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	23.81	23.86	23.58	24.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	23.73	23.72	23.63	24.5	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2672.46		
15	QPSK	1	19	23.75	23.74	23.61	24.5	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	12	23.73	23.86	23.51	24.5	0.0

n41 PC2 Ant1 Default power

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509002	518598	528000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	23.43	23.52	23.49		
100	PI/2 BPSK	1	137	24.44	24.49	24.37	26.0	0.0
100	PI/2 BPSK	1	271	23.48	23.57	23.44		
100	PI/2 BPSK	135	0	24.25	24.47	24.24	25.5	0.5
100	PI/2 BPSK	135	69	24.66	24.71	24.60	26.0	0.0
100	PI/2 BPSK	135	138	24.32	24.56	24.51		
100	PI/2 BPSK	270	0	24.24	24.42	24.19	25.5	0.5
100	QPSK	1	1	23.80	23.84	23.62		
100	QPSK	1	137	24.68	24.84	24.62	26.0	0.0
100	QPSK	1	271	23.96	23.79	23.78		
100	QPSK	135	0	24.04	24.01	24.05	25.0	1.0
100	QPSK	135	69	24.63	24.82	24.81	26.0	0.0
100	QPSK	135	138	23.81	23.85	23.83		
100	QPSK	270	0	23.84	23.85	23.82		
100	16QAM	1	1	23.72	23.79	23.67	25.0	1.0
100	64QAM	1	1	22.17	22.35	22.29	23.5	2.5
100	256QAM	1	1	20.84	20.90	20.79	21.5	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	24.49	24.58	24.25	26.0	0.0
Channel				507204	518598	529996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2538.02	2592.99	2649.99		
80	QPSK	1	109	24.46	24.67	24.32	26.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	24.56	24.60	24.25	26.0	0.0
Channel				504204	518598	532996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	24.41	24.54	24.35	26.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	24.44	24.59	24.36	26.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	24.45	24.62	24.40	26.0	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2672.46		
15	QPSK	1	19	24.53	24.54	24.24	25.0	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	12	24.81	24.50	24.46	26.0	0.0

n7 Ant2 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	23.07	23.15	23.08			
20	PI/2 BPSK	1	26	23.10	23.13	23.19	25.0	0.0	
20	PI/2 BPSK	1	49	23.02	23.04	23.01			
20	PI/2 BPSK	25	0	22.97	22.87	22.58	24.5	0.5	
20	PI/2 BPSK	25	13	23.12	23.16	23.04	25.0	0.0	
20	PI/2 BPSK	25	26	22.56	22.67	22.65			
20	PI/2 BPSK	50	0	22.61	22.72	22.57	24.5	0.5	
20	QPSK	1	1	23.05	23.24	23.11			
20	QPSK	1	26	23.16	23.20	23.01	25.0	0.0	
20	QPSK	1	49	23.18	23.02	23.14			
20	QPSK	25	0	22.07	22.19	22.10	24.0	1.0	
20	QPSK	25	13	23.09	23.19	23.08	25.0	0.0	
20	QPSK	25	26	22.32	22.34	22.28			
20	QPSK	50	0	22.34	22.35	22.30	24.0	1.0	
20	16QAM	1	1	22.14	22.26	22.17	24.0	1.0	
20	64QAM	1	1	20.62	20.54	20.56	22.5	2.5	
20	256QAM	1	1	18.73	18.77	18.67	20.5	4.5	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	23.14	23.16	23.03	25.0	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	23.13	23.15	23.02	25.0	0.0	

n38 Ant2 Default power

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

n41 PC3 Ant2 Default power

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				506202	518598	528000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	23.03	23.08	23.12	25.0	0.0
100	PI/2 BPSK	1	137	23.03	23.20	23.13		
100	PI/2 BPSK	1	271	23.02	23.03	23.13		
100	PI/2 BPSK	135	0	23.08	23.13	23.09	25.0	0.0
100	PI/2 BPSK	135	69	23.20	23.22	23.12	25.0	0.0
100	PI/2 BPSK	135	138	23.10	23.14	23.06	25.0	0.0
100	PI/2 BPSK	270	0	23.08	23.07	23.01		
100	QPSK	1	1	23.11	23.03	23.14		
100	QPSK	1	137	23.13	23.26	23.10	25.0	0.0
100	QPSK	1	271	23.07	23.20	23.11	25.0	0.0
100	QPSK	135	0	23.16	23.19	23.16		
100	QPSK	135	69	23.22	23.24	23.18		
100	QPSK	135	138	23.04	23.17	23.11	25.0	0.0
100	QPSK	270	0	23.03	23.09	23.05	25.0	0.0
100	16QAM	1	1	23.09	23.11	23.04		
100	64QAM	1	1	21.71	21.76	21.79		
100	256QAM	1	1	19.64	19.64	19.67	21.5	3.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	23.07	23.10	23.05	25.0	0.0
Channel				507204	518598	529996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2538.02	2592.99	2649.99		
80	QPSK	1	109	23.17	23.06	23.09	25.0	0.0
Channel				506200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	23.06	23.10	23.08	25.0	0.0
Channel				504204	518598	533996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	23.16	23.07	23.08	25.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	23.05	23.10	23.06	25.0	0.0
Channel				501204	518598	535996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	23.02	23.08	23.11	25.0	0.0
Channel				500700	518598	536498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.15	2592.99	2682.49		
15	QPSK	1	19	23.05	23.08	23.16	25.0	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	12	23.02	23.07	23.11	25.0	0.0



Par270 n77 PC3 Ant3 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				656000	656000	656000			
Frequency (MHz)				3750	3840	3930			
100	PV2 BPSK	1	1	22.59	22.67	22.60	24.0	0.0	
100	PV2 BPSK	1	137	23.55	23.62	23.57			
100	PV2 BPSK	1	271	22.56	22.61	22.59			
100	PV2 BPSK	135	0	23.34	23.49	23.44			
100	PV2 BPSK	135	69	23.54	23.37	23.59	24.0	0.0	0.0
100	PV2 BPSK	135	138	23.34	23.53	23.44	24.0	0.0	
100	PV2 BPSK	270	0	23.50	23.35	23.39			
100	QPSK	1	1	22.67	22.82	22.58	24.0	0.0	
100	QPSK	1	137	23.66	23.72	23.62			
100	QPSK	1	271	22.64	22.60	22.59			
100	QPSK	135	0	23.39	23.53	23.37			
100	QPSK	135	69	23.38	23.57	23.41	24.0	0.0	0.0
100	QPSK	135	138	23.46	23.46	23.28	24.0	0.0	
100	QPSK	270	0	23.37	23.47	23.29			
100	16QAM	1	1	22.51	22.62	22.51	24.0	0.0	0.0
100	64QAM	1	1	23.12	23.15	23.14	23.5	0.5	0.5
100	256QAM	1	1	21.25	21.22	21.08	21.5	2.5	2.5
Channel				648668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	123	23.49	23.56	23.52	24.0	0.0	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	109	23.49	23.54	23.53	24.0	0.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	81	23.50	23.54	23.51	24.0	0.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	67	23.52	23.55	23.53	24.0	0.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	53	23.49	23.53	23.50	24.0	0.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	26	23.51	23.54	23.51	24.0	0.0	0.0
Channel				647168	656000	664834	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	19	23.52	23.56	23.50	24.0	0.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	12	23.51	23.54	23.50	24.0	0.0	0.0

Par270 n77 PC2 Ant3 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				656000	656000	656000			
Frequency (MHz)				3750	3840	3930			
100	PV2 BPSK	1	1	25.10	25.18	25.14	27.0	0.0	
100	PV2 BPSK	1	137	25.48	25.54	25.41			
100	PV2 BPSK	1	271	25.04	25.13	25.02			
100	PV2 BPSK	135	0	25.50	25.67	25.53			
100	PV2 BPSK	135	69	25.60	25.66	25.58	27.0	0.0	0.0
100	PV2 BPSK	135	138	25.57	25.60	25.56	26.5	0.5	
100	PV2 BPSK	270	0	25.48	25.64	25.53			
100	QPSK	1	1	25.12	25.05	24.89	27.0	0.0	
100	QPSK	1	137	25.61	25.71	25.67			
100	QPSK	1	271	25.13	25.14	25.17			
100	QPSK	135	0	24.83	25.03	24.84			
100	QPSK	135	69	25.55	25.62	25.43	27.0	0.0	0.0
100	QPSK	135	138	24.74	24.70	24.97	26.0	1.0	
100	QPSK	270	0	24.82	24.88	24.79			
100	16QAM	1	1	24.76	24.77	24.78	26.0	1.0	1.0
100	64QAM	1	1	23.12	23.15	23.17	24.5	2.5	2.5
100	256QAM	1	1	21.11	21.13	21.07	22.5	4.5	4.5
Channel				648668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	123	25.49	25.61	25.56	27.0	0.0	0.0
Channel				648334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	109	25.47	25.61	25.56	27.0	0.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	81	25.51	25.61	25.55	27.0	0.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	67	25.49	25.61	25.56	27.0	0.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	53	25.49	25.61	25.54	27.0	0.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	26	25.51	25.63	25.56	27.0	0.0	0.0
Channel				647168	656000	664834	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	19	25.49	25.64	25.54	27.0	0.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	12	25.50	25.62	25.54	27.0	0.0	0.0

Part27Q n77 PC3 Ant3 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633334	633668			
Frequency (MHz)				3800.01	3800.01	3800.01			
100	PV2 BPSK	1	1		22.92		24.0	0.0	
100	PV2 BPSK	1	137		23.64				
100	PV2 BPSK	1	271		22.74				
100	PV2 BPSK	135	0		23.53				
100	PV2 BPSK	135	69		23.56		24.0	0.0	0.0
100	PV2 BPSK	135	138		23.57		24.0	0.0	
100	PV2 BPSK	270	0		23.64				
100	QPSK	1	1		22.84		24.0	0.0	
100	QPSK	1	137		23.67				
100	QPSK	1	271		22.89				
100	QPSK	135	0		23.61				
100	QPSK	135	69		23.62		24.0	0.0	0.0
100	QPSK	135	138		23.55		24.0	0.0	
100	QPSK	270	0		23.61				
100	16QAM	1	1		22.59		24.0	0.0	0.0
100	64QAM	1	1		23.15		23.5	0.5	0.5
100	256QAM	1	1		21.27		21.5	2.5	2.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	123		23.48	23.44	23.38	24.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3500.01	3510			
80	QPSK	1	109		23.48	23.47	23.39	24.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	81		23.46	23.45	23.39	24.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67		23.49	23.45	23.37	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53		23.47	23.47	23.38	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26		23.47	23.46	23.38	24.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.51			
15	QPSK	1	19		23.47	23.45	23.38	24.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	12		23.47	23.47	23.37	24.0	0.0



Part27Q n77 PC2 Ant3 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334		3500.01			
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		25.12		27.0	0.0	
100	PI/2 BPSK	1	137		25.47				
100	PI/2 BPSK	1	271		24.81				
100	PI/2 BPSK	135	0		25.36		26.5	0.5	
100	PI/2 BPSK	135	69		25.47		27.0	0.0	
100	PI/2 BPSK	135	138		25.41		26.5	0.5	
100	PI/2 BPSK	270	0		25.44				
100	QPSK	1	1		25.21				
100	QPSK	1	137		25.55		27.0	0.0	
100	QPSK	1	271		25.10		26.0	1.0	
100	QPSK	135	0		24.78		27.0	0.0	
100	QPSK	135	69		25.50		27.0	0.0	
100	QPSK	135	138		24.76		26.0	1.0	
100	QPSK	270	0		24.96				
100	16QAM	1	1		23.94		26.0	1.0	
100	64QAM	1	1		23.15		24.5	2.5	
100	256QAM	1	1		21.06		22.5	4.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	123		25.32	25.39	25.42	27.0	0.0
Channel				632996	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109		25.33	25.37	25.41	27.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	81		25.33	25.38	25.41	27.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67		25.32	25.41	25.41	27.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53		25.34	25.41	25.43	27.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26		25.34	25.40	25.43	27.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	19		25.34	25.40	25.41	27.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	12		25.33	25.38	25.43	27.0	0.0

Part270 n78 PC3 Ant3 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000		3750			
Frequency (MHz)				3750					
100	PI/2 BPSK	1	1		22.58		24.0	0.0	
100	PI/2 BPSK	1	137		23.42				
100	PI/2 BPSK	1	271		22.51				
100	PI/2 BPSK	135	0		23.39		24.0	0.0	
100	PI/2 BPSK	135	69		23.44		24.0	0.0	
100	PI/2 BPSK	135	138		23.42		24.0	0.0	
100	PI/2 BPSK	270	0		23.37				
100	QPSK	1	1		22.55				
100	QPSK	1	137		23.46		24.0	0.0	
100	QPSK	1	271		22.56		24.0	0.0	
100	QPSK	135	0		23.38		24.0	0.0	
100	QPSK	135	69		23.44		24.0	0.0	
100	QPSK	135	138		23.43		24.0	0.0	
100	QPSK	270	0		23.42				
100	16QAM	1	1		22.55		24.0	0.0	
100	64QAM	1	1		23.04		23.5	0.5	
100	256QAM	1	1		21.03		21.5	2.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	123		23.39	23.26	23.40	24.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	109		23.37	23.25	23.41	24.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	81		23.38	23.28	23.40	24.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	67		23.37	23.27	23.43	24.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3760			
40	QPSK	1	53		23.38	23.26	23.44	24.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	26		23.38	23.25	23.42	24.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	19		23.37	23.27	23.41	24.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	12		23.37	23.26	23.41	24.0	0.0

Part270 n78 PC2 Ant3 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000		3750			
Frequency (MHz)				3750					
100	PI/2 BPSK	1	1		25.14		27.0	0.0	
100	PI/2 BPSK	1	137		25.60				
100	PI/2 BPSK	1	271		25.07				
100	PI/2 BPSK	135	0		25.30		26.5	0.5	
100	PI/2 BPSK	135	69		25.58		27.0	0.0	
100	PI/2 BPSK	135	138		25.23		26.5	0.5	
100	PI/2 BPSK	270	0		25.16				
100	QPSK	1	1		25.22				
100	QPSK	1	137		25.65		27.0	0.0	
100	QPSK	1	271		25.15		26.0	1.0	
100	QPSK	135	0		25.33		27.0	0.0	
100	QPSK	135	69		25.59		27.0	0.0	
100	QPSK	135	138		24.65		26.0	1.0	
100	QPSK	270	0		24.81				
100	16QAM	1	1		24.03		26.0	1.0	
100	64QAM	1	1		23.14		24.5	2.5	
100	256QAM	1	1		21.19		22.5	4.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	123		25.52	25.37	25.49	27.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	109		25.52	25.38	25.51	27.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	81		25.52	25.37	25.48	27.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	67		25.53	25.40	25.51	27.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3760			
40	QPSK	1	53		25.51	25.38	25.52	27.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	26		25.54	25.39	25.49	27.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	19		25.53	25.38	25.50	27.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	12		25.54	25.38	25.50	27.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334			24.0	0.0	
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		22.49		24.0	0.0	
100	PI/2 BPSK	1	137		23.31				
100	PI/2 BPSK	1	271		22.40				
100	PI/2 BPSK	135	0		23.29				
100	PI/2 BPSK	135	69		23.32		24.0	0.0	
100	PI/2 BPSK	135	138		23.31				
100	PI/2 BPSK	270	0		23.28				
100	QPSK	1	1		22.46				
100	QPSK	1	137		23.38		24.0	0.0	
100	QPSK	1	271		22.46				
100	QPSK	135	0		23.30				
100	QPSK	135	69		23.35				
100	QPSK	135	138		23.33		24.0	0.0	
100	QPSK	270	0		23.33				
100	16QAM	1	1		22.44				
100	64QAM	1	1		22.89				
100	256QAM	1	1		20.87		21.5	2.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	123		23.27	23.16	23.30	24.0	0.0
Channel				632000	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109		23.30	23.15	23.30	24.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	81		23.30	23.16	23.30	24.0	0.0
Channel				631000	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67		23.28	23.17	23.31	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53		23.31	23.16	23.31	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26		23.28	23.17	23.32	24.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	19		23.29	23.14	23.30	24.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	12		23.27	23.17	23.31	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit	MPR (dB)
Channel				633334			27.0	0.0
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1		25.03		27.0	0.0
100	PI/2 BPSK	1	137		25.49			
100	PI/2 BPSK	1	271		24.98			
100	PI/2 BPSK	135	0		25.21			
100	PI/2 BPSK	135	69		25.48		26.5	0.5
100	PI/2 BPSK	135	138		25.13			
100	PI/2 BPSK	270	0		25.07			
100	QPSK	1	1		25.13			
100	QPSK	1	137		25.56		27.0	0.0
100	QPSK	1	271		25.05			
100	QPSK	135	0		25.24			
100	QPSK	135	69		25.48			
100	QPSK	135	138		24.56		26.0	1.0
100	QPSK	270	0		24.70			
100	16QAM	1	1		23.94			
100	64QAM	1	1		23.14			
100	256QAM	1	1		21.09		22.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	123	25.41	25.29	25.40	27.0	0.0
Channel				632000	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	109	25.42	25.26	25.38	27.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	25.43	25.27	25.41	27.0	0.0
Channel				631000	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	25.43	25.29	25.37	27.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3550.01		
40	QPSK	1	53	25.42	25.25	25.37	27.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26	25.42	25.27	25.39	27.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	25.41	25.27	25.39	27.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	25.43	25.26	25.40	27.0	0.0



Par270 n77 PC3 Ant3 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				660000	666000	662000	24.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	22.40	22.58	22.49	24.0	0.0	
100	PI/2 BPSK	1	137	23.45	23.53	23.46			
100	PI/2 BPSK	1	271	22.35	22.52	22.49			
100	PI/2 BPSK	135	0	23.24	23.40	23.35			
100	PI/2 BPSK	135	69	23.43	23.27	23.40	24.0	0.0	
100	PI/2 BPSK	135	138	23.25	23.42	23.35	24.0	0.0	
100	PI/2 BPSK	270	0	23.40	23.44	23.29			
100	QPSK	1	1	22.37	22.50	22.46	24.0	0.0	
100	QPSK	1	137	23.56	23.61	23.53			
100	QPSK	1	271	22.31	22.49	22.37			
100	QPSK	135	0	23.27	23.43	23.28			
100	QPSK	135	69	23.28	23.49	23.33	24.0	0.0	
100	QPSK	135	138	23.35	23.37	23.20	24.0	0.0	
100	QPSK	270	0	23.26	23.37	23.16	24.0	0.0	
100	16QAM	1	1	22.31	22.33	22.32			
100	64QAM	1	1	22.81	22.86	22.83		23.5	
100	256QAM	1	1	21.28	21.15	21.13		21.5	
Channel				649668	656000	662334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)	
90	QPSK	1	123	22.95	23.25	23.05	24.0	0.0	
Channel				640334	656000	662666	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)	
80	QPSK	1	109	22.96	23.21	23.20	24.0	0.0	
Channel				648668	656000	663334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3840	3950.01	(dB)	(dB)	
60	QPSK	1	81	22.99	23.11	23.22	24.0	0.0	
Channel				643334	656000	663666	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)	
50	QPSK	1	67	23.02	23.27	23.08	24.0	0.0	
Channel				648000	656000	664000	Tune-up limit	MPR	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	QPSK	1	53	23.11	23.11	23.05	24.0	0.0	
Channel				647334	656000	664668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)	
20	QPSK	1	26	23.04	23.25	23.17	24.0	0.0	
Channel				647168	656000	664834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3840	3972.51	(dBm)	(dB)	
15	QPSK	1	19	23.05	23.11	23.22	24.0	0.0	
Channel				647000	656000	665000	Tune-up limit	MPR	
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)	
10	QPSK	1	12	23.10	23.13	23.16	24.0	0.0	

Par270 n77 PC2 Ant3 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				660000	666000	662000	27.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	25.58	25.67	25.63	27.0	0.0	
100	PI/2 BPSK	1	137	26.27	26.34	26.22			
100	PI/2 BPSK	1	271	25.52	25.63	25.50			
100	PI/2 BPSK	135	0	26.32	26.48	26.35		0.5	
100	PI/2 BPSK	135	69	26.39	26.47	26.38	27.0	0.0	
100	PI/2 BPSK	135	138	26.37	26.40	26.37	26.5	0.5	
100	PI/2 BPSK	270	0	26.29	26.42	26.35			
100	QPSK	1	1	25.72	25.84	25.70	27.0	0.0	
100	QPSK	1	137	26.39	26.50	26.48			
100	QPSK	1	271	25.55	25.52	25.56			
100	QPSK	135	0	25.63	25.84	25.66		1.0	
100	QPSK	135	69	26.33	26.44	26.24	27.0	0.0	
100	QPSK	135	138	25.55	25.52	25.77	26.0	1.0	
100	QPSK	270	0	25.68	25.69	25.59	26.0	1.0	
100	16QAM	1	1	25.55	25.58	25.58			
100	64QAM	1	1	23.83	23.83	23.87		24.5	
100	256QAM	1	1	21.91	21.94	21.86		22.5	
Channel				649668	656000	662334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)	
90	QPSK	1	123	26.10	26.36	26.24	27.0	0.0	
Channel				640334	656000	662666	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)	
80	QPSK	1	109	26.21	26.41	26.22	27.0	0.0	
Channel				648668	656000	663334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)	
60	QPSK	1	81	26.20	26.31	26.24	27.0	0.0	
Channel				643334	656000	663666	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)	
50	QPSK	1	67	26.13	26.39	26.26	27.0	0.0	
Channel				648000	656000	664000	Tune-up limit	MPR	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	QPSK	1	53	26.23	26.27	26.23	27.0	0.0	
Channel				647334	656000	664668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)	
20	QPSK	1	26	26.11	26.38	26.19	27.0	0.0	
Channel				647168	656000	664834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3840	3972.51	(dBm)	(dB)	
15	QPSK	1	19	26.27	26.29	26.18	27.0	0.0	
Channel				647000	656000	665000	Tune-up limit	MPR	
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)	
10	QPSK	1	12	26.28	26.30	26.22	27.0	0.0	

Part27Q n77 PC3 Ant3 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633334	635001	24.0	0.0	
Frequency (MHz)									
100	PI/2 BPSK	1	1	22.73			24.0	0.0	
100	PI/2 BPSK	1	137	23.44					
100	PI/2 BPSK	1	271	22.53					
100	PI/2 BPSK	135	0	23.32					
100	PI/2 BPSK	135	69	23.37			24.0	0.0	
100	PI/2 BPSK	135	138	23.38			24.0	0.0	
100	PI/2 BPSK	270	0	23.46					
100	QPSK	1	1	22.65			24.0	0.0	
100	QPSK	1	137	23.50					
100	QPSK	1	271	22.49					
100	QPSK	135	0	23.40					
100	QPSK	135	69	23.42			24.0	0.0	
100	QPSK	135	138	23.35			24.0	0.0	
100	QPSK	270	0	23.40					
100	16QAM	1	1	22.40			24.0	0.0	
100	64QAM	1	1	22.95			23.5	0.5	
100	256QAM	1	1	21.21			21.5	2.5	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	123	23.28	23.27	23.19	24.0	0.0	
Channel				632666	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	109	23.26	23.15	23.22	24.0	0.0	
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	81	23.22	23.29	23.28	24.0	0.0	
Channel				631666	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3505	(dBm)	(dB)	
50	QPSK	1	67	23.17	23.16	23.15	24.0	0.0	
Channel				631334	633334	633634	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	53	23.11	23.16	23.29	24.0	0.0	
Channel				630966	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	26	23.12	23.17	23.18	24.0	0.0	
Channel				630500	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	19	23.14		23.16	24.0	0.0	
Channel				630334	633334	633834	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	12	23.29	23.30	23.28	24.0	0.0	



Part27Q n77 PC2 Ant3 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		25.64				
100	PI/2 BPSK	1	137		26.16		27.0	0.0	
100	PI/2 BPSK	1	271		25.53				
100	PI/2 BPSK	135	0		26.06		26.5	0.5	
100	PI/2 BPSK	135	69		26.17		27.0	0.0	
100	PI/2 BPSK	135	138		26.09				
100	PI/2 BPSK	270	0		26.13		26.5	0.5	
100	QPSK	1	1		25.91				
100	QPSK	1	137		26.24		27.0	0.0	
100	QPSK	1	271		25.46				
100	QPSK	135	0		25.47		26.0	1.0	
100	QPSK	135	69		26.19		27.0	0.0	
100	QPSK	135	138		25.45		26.0	1.0	
100	QPSK	270	0		25.64				
100	16QAM	1	1		24.65		26.0	1.0	
100	64QAM	1	1		23.59		24.5	2.5	
100	256QAM	1	1		21.85		22.5	4.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	27.0	0.0	
90	QPSK	1	123		25.73	25.79	25.82	27.0	0.0
Channel				632666	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	27.0	0.0	
80	QPSK	1	109		25.77	25.87	25.89	27.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	27.0	0.0	
60	QPSK	1	81		25.77	25.83	25.76	27.0	0.0
Channel				631666	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	27.0	0.0	
50	QPSK	1	67		25.69	25.76	25.78	27.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	27.0	0.0	
40	QPSK	1	53		25.80	25.84	25.75	27.0	0.0
Channel				630998	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	27.0	0.0	
20	QPSK	1	26		25.70	25.69	25.77	27.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52	27.0	0.0	
15	QPSK	1	19		25.67	25.60	25.80	27.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01	27.0	0.0	
10	QPSK	1	12		25.79	25.79	25.86	27.0	0.0

Part27O n78 PC3 Ant3 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				650000					
Frequency (MHz)				3750					
100	PI/2 BPSK	1	1		22.52				
100	PI/2 BPSK	1	137		23.49		24.0	0.0	
100	PI/2 BPSK	1	271		22.57				
100	PI/2 BPSK	135	0		23.46		24.0	0.0	
100	PI/2 BPSK	135	69		23.51		24.0	0.0	
100	PI/2 BPSK	135	138		23.47				
100	PI/2 BPSK	270	0		23.41		24.0	0.0	
100	QPSK	1	1		22.60				
100	QPSK	1	137		23.53		24.0	0.0	
100	QPSK	1	271		22.62				
100	QPSK	135	0		23.45		24.0	0.0	
100	QPSK	135	69		23.51		24.0	0.0	
100	QPSK	135	138		23.50		24.0	0.0	
100	QPSK	270	0		23.50		24.0	0.0	
100	16QAM	1	1		22.32		24.0	0.0	
100	64QAM	1	1		22.93		23.5	0.5	
100	256QAM	1	1		21.10		21.5	2.5	
Channel				649668	650000	650334	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	123		23.42	23.32	23.47	24.0	0.0
Channel				648334	650000	650668	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	109		23.32	23.37	23.39	24.0	0.0
Channel				648668	650000	651334	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	81		23.36	23.27	23.29	24.0	0.0
Channel				648334	650000	651668	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	67		23.36	23.33	23.43	24.0	0.0
Channel				648000	650000	652000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	53		23.45	23.37	23.38	24.0	0.0
Channel				647334	650000	652668	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	26		23.44	23.33	23.32	24.0	0.0
Channel				647168	650000	652834	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	19		23.32	23.25	23.37	24.0	0.0
Channel				647000	650000	653000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	12		23.34	23.46	23.47	24.0	0.0

Part27O n78 PC2 Ant3 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	PI/2 BPSK	1	1		25.92				
100	PI/2 BPSK	1	137		26.40		27.0	0.0	
100	PI/2 BPSK	1	271		25.88				
100	PI/2 BPSK	135	0		26.09		26.5	0.5	
100	PI/2 BPSK	135	69		26.39		27.0	0.0	
100	PI/2 BPSK	135	138		26.03				
100	PI/2 BPSK	270	0		25.97		26.5	0.5	
100	QPSK	1	1		26.03				
100	QPSK	1	137		26.43		27.0	0.0	
100	QPSK	1	271		25.96				
100	QPSK	135	0		26.12		26.0	1.0	
100	QPSK	135	69		26.40		27.0	0.0	
100	QPSK	135	138		25.45		26.0	1.0	
100	QPSK	270	0		25.59				
100	16QAM	1	1		24.83		26.0	1.0	
100	64QAM	1	1		23.87		24.5	2.5	
100	256QAM	1	1		21.98		22.5	4.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01	27.0	0.0	
90	QPSK	1	123		26.33	26.18	26.30	27.0	0.0
Channel				648334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02	27.0	0.0	
80	QPSK	1	109		26.23	26.26	26.24	27.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01	27.0	0.0	
60	QPSK	1	81		26.31	26.17	26.33	27.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02	27.0	0.0	
50	QPSK	1	67		26.19	26.15	26.26	27.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	27.0	0.0	
40	QPSK	1	53		26.29	26.21	26.30	27.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	27.0	0.0	
20	QPSK	1	26		26.21	26.27	26.28	27.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51	27.0	0.0	
15	QPSK	1	19		26.32	26.15	26.21	27.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	27.0	0.0	
10	QPSK	1	12		26.18	26.17	26.26	27.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334			24.0	0.0
Frequency (MHz)				3500.01				
100	Pi/2 BPSK	1	1		22.33			
100	Pi/2 BPSK	1	137		23.12			
100	Pi/2 BPSK	1	271		22.27			
100	Pi/2 BPSK	135	0		23.20		24.0	0.0
100	Pi/2 BPSK	135	69		23.20			
100	Pi/2 BPSK	135	138		23.02			
100	Pi/2 BPSK	270	0		23.06			
100	QPSK	1	1		22.38			
100	QPSK	1	137		23.24		24.0	0.0
100	QPSK	1	271		22.27			
100	QPSK	135	0		23.15			
100	QPSK	135	69		23.19			
100	QPSK	135	138		23.07			
100	QPSK	270	0		23.12		24.0	0.0
100	16QAM	1	1		22.14		24.0	0.0
100	64QAM	1	1		22.79		23.5	0.5
100	256QAM	1	1		20.80		21.5	2.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	123	23.01	23.03	23.03	24.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	109	22.99	22.98	23.00	24.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	22.96	22.94	22.96	24.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	22.90	22.90	22.94	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	22.95	23.00	22.96	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26	22.87	22.94	23.05	24.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	23.04	22.87	23.05	24.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	23.05	22.88	22.88	24.0	0.0

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

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	25.5	0.0
Frequency (MHz)				834	836.5	838		
20	PI/2 BPSK	1	1	23.94	24.14	24.11		
20	PI/2 BPSK	1	26	23.95	24.04	23.86	25.0	0.5
20	PI/2 BPSK	1	49	23.74	23.96	23.83		
20	PI/2 BPSK	25	0	23.47	23.64	23.50		
20	PI/2 BPSK	25	13	24.07	24.10	23.94	25.5	0.0
20	PI/2 BPSK	25	26	23.50	23.61	23.42	25.0	0.5
20	PI/2 BPSK	50	0	23.54	23.67	23.64		
20	QPSK	1	1	24.03	24.22	24.20		
20	QPSK	1	26	24.03	24.06	23.92	25.5	0.0
20	QPSK	1	49	23.82	23.96	23.74		
20	QPSK	25	0	22.92	23.13	23.02		
20	QPSK	25	13	23.87	24.08	23.86	25.5	0.0
20	QPSK	25	26	22.91	23.05	22.98	24.5	1.0
20	QPSK	50	0	22.87	23.10	22.91		
20	16QAM	1	1	22.58	22.65	22.52		
20	64QAM	1	1	21.10	21.20	21.02	23.0	2.5
20	256QAM	1	1	19.73	19.75	19.58	21.0	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5	25.5	0.0
15	QPSK	1	1	23.95	24.11	24.13		
Channel				135600	137300	138300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826	836.5	844	25.5	0.0
10	QPSK	1	1	24.02	24.16	24.09		

n7 Ant4 Default power

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000	25.5	0.0
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	24.69	24.91	24.88	25.5	0.5
20	PI/2 BPSK	1	26	24.85	24.86	24.84		
20	PI/2 BPSK	1	49	24.69	24.73	24.51		
20	PI/2 BPSK	25	0	24.36	24.44	24.37	25.0	0.5
20	PI/2 BPSK	25	13	24.89	24.89	24.71	25.5	0.0
20	PI/2 BPSK	25	26	24.12	24.36	24.28	25.0	0.5
20	PI/2 BPSK	50	0	24.26	24.41	24.40		
20	QPSK	1	1	24.90	24.95	24.84		
20	QPSK	1	26	24.83	24.83	24.74	25.5	0.0
20	QPSK	1	49	24.74	24.84	24.63		
20	QPSK	25	0	23.79	23.92	23.85		
20	QPSK	25	13	24.65	24.76	24.59	25.5	0.0
20	QPSK	25	26	23.84	23.86	23.65	24.5	1.0
20	QPSK	50	0	23.69	23.67	23.66		
20	16QAM	1	1	23.72	23.72	23.61		
20	64QAM	1	1	22.27	22.36	22.13	23.0	2.5
20	256QAM	1	1	20.65	20.74	20.60	21.0	4.5
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	25.5	0.0
15	QPSK	1	1	24.86	24.84	24.66		
Channel				501000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	25.5	0.0
10	QPSK	1	1	24.82	24.79	24.80		



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

n41 PC3 Ant4 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528090			
Frequency (MHz)				2546.01	2592.99	2644			
100	PI/2 BPSK	1	1	23.30	23.36	23.15			
100	PI/2 BPSK	1	137	24.18	24.30	24.20	24.5	0.0	
100	PI/2 BPSK	1	271	23.42	23.54	23.43			
100	PI/2 BPSK	135	0	24.05	24.14	24.00	24.5	0.0	
100	PI/2 BPSK	135	69	24.22	24.29	24.07	24.5	0.0	
100	PI/2 BPSK	135	138	24.17	24.22	24.03			
100	PI/2 BPSK	270	0	24.05	24.15	24.02	24.5	0.0	
100	QPSK	1	1	23.19	23.24	23.17			
100	QPSK	1	137	24.10	24.31	24.23	24.5	0.0	
100	QPSK	1	271	23.40	23.42	23.41			
100	QPSK	135	0	24.05	24.07	23.98	24.5	0.0	
100	QPSK	135	69	24.13	24.30	24.25	24.5	0.0	
100	QPSK	135	138	24.08	24.25	24.19	24.5	0.0	
100	QPSK	270	0	23.92	24.12	24.00			
100	16QAM	1	1	23.12	23.17	23.05	24.5	0.0	
100	64QAM	1	1	22.76	22.83	22.75	23.0	1.5	
100	256QAM	1	1	20.66	20.71	20.68	21.0	3.5	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	123	24.04	24.22	24.11	24.5	0.0	
Channel				507204	518598	529596	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	109	24.15	24.01	24.03	24.5	0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	24.11	24.15	24.07	24.5	0.0	
Channel				504204	518598	532596	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	24.14	24.00	24.14	24.5	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	24.01	24.13	24.06	24.5	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	24.12	24.02	24.04	24.5	0.0	
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.45			
15	QPSK	1	19	24.17	24.16	24.01	24.5	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	12	24.14	24.12	24.16	24.5	0.0	

n41 PC2 Ant4 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	23.21	23.44	23.25			
100	PI/2 BPSK	1	137	24.66	24.78	24.75	26.0	0.0	
100	PI/2 BPSK	1	271	23.86	24.04	23.99			
100	PI/2 BPSK	135	0	24.25	24.34	24.26	25.5	0.5	
100	PI/2 BPSK	135	69	24.55	24.65	24.42	26.0	0.0	
100	PI/2 BPSK	135	138	24.55	24.62	24.57			
100	PI/2 BPSK	270	0	24.28	24.47	24.39	25.5	0.5	
100	QPSK	1	1	23.40	23.47	23.30			
100	QPSK	1	137	24.60	24.83	24.79	26.0	0.0	
100	QPSK	1	271	23.89	24.11	23.99			
100	QPSK	135	0	23.38	23.48	23.33	25.0	1.0	
100	QPSK	135	69	24.76	24.78	24.66	26.0	0.0	
100	QPSK	135	138	23.59	23.75	23.69	25.0	1.0	
100	QPSK	270	0	23.48	23.69	23.52			
100	16QAM	1	1	23.49	23.64	23.63	25.0	1.0	
100	64QAM	1	1	21.90	22.10	22.06	23.5	2.5	
100	256QAM	1	1	20.27	20.28	20.05	21.5	4.5	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	123	24.32	24.46	24.06	26.0	0.0	
Channel				507204	518598	529596	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	109	24.22	24.47	24.07	26.0	0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	24.30	24.47	24.29	26.0	0.0	
Channel				504204	518598	532596	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	24.21	24.39	24.07	26.0	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	24.33	24.42	24.11	26.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	24.25	24.31	24.11	26.0	0.0	
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.45			
15	QPSK	1	19	24.37	24.20	24.13	26.0	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	12	24.34	24.31	24.09	26.0	0.0	

Par270 n77 PC3 Ant5 Defaulst power

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

Part27Q n77 PC3 Ant5 Defaulst power

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		22.21		24.0	0.0
100	PI/2 BPSK	1	137		22.37			
100	PI/2 BPSK	1	271		22.22			
100	PI/2 BPSK	135	0		22.38		24.0	0.0
100	PI/2 BPSK	135	69		22.39			
100	PI/2 BPSK	135	138		22.37			
100	PI/2 BPSK	270	0		22.42		24.0	0.0
100	QPSK	1	1		22.25		24.0	0.0
100	QPSK	1	137		22.42			
100	QPSK	1	271		22.24			
100	QPSK	135	0		22.34		24.0	0.0
100	QPSK	135	69		22.39			
100	QPSK	135	138		22.21			
100	QPSK	270	0		22.39		24.0	0.0
100	16QAM	1	1		22.26		24.0	0.0
100	64QAM	1	1		22.23		24.0	0.0
100	256QAM	1	1		21.24		22.5	1.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	123	22.41	22.37	22.37	24.0	0.0
Channel				632566	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	109	22.26	22.34	22.37	24.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	22.36	22.26	22.24	24.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	22.35	22.23	22.24	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3550.01		
40	QPSK	1	53	22.33	22.17	22.26	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26	22.24	22.29	22.23	24.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3561.52		
15	QPSK	1	19	22.19	22.34	22.16	24.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	22.32	22.23	22.29	24.0	0.0

Part270 n78 PC3 Ant5 Default power

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				65000				
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1		22.33		24.0	0.0
100	PI/2 BPSK	1	137		22.35			
100	PI/2 BPSK	1	271		22.33			
100	PI/2 BPSK	135	0		22.35	24.0		
100	PI/2 BPSK	135	69		22.34		24.0	0.0
100	PI/2 BPSK	135	138		22.31		24.0	0.0
100	PI/2 BPSK	270	0		22.32			
100	QPSK	1	1		22.22			
100	QPSK	1	137		22.46			
100	QPSK	1	271		22.33		24.0	0.0
100	QPSK	135	0		22.15	24.0		
100	QPSK	135	69		22.35	24.0		
100	QPSK	135	138		22.21	24.0		
100	QPSK	270	0		22.33		24.0	0.0
100	16QAM	0	1		22.31		24.0	0.0
100	64QAM	1	1		22.22		24.0	0.0
100	256QAM	1	1		21.24		22.5	1.5
Channel				649688	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	123	22.07	22.34	22.22	24.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3749.01	3750	3760.02		
80	QPSK	1	109	22.07	22.32	22.21	24.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	81	22.09	22.35	22.26	24.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	67	22.18	22.29	22.24	24.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3760		
40	QPSK	1	53	22.06	22.33	22.28	24.0	0.0
Channel				647334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	26	22.08	22.35	22.15	24.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	19	22.05	22.31	22.20	24.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	12	22.20	22.24	22.25	24.0	0.0

Part27Q 78 PC3 Ant5 Default power

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



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

Part27Q n77 PC3 Ant6 Default power								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334	633334	633334	23.0	0.0
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1		21.19			
100	PI/2 BPSK	1	137		21.36			
100	PI/2 BPSK	1	271		21.20		23.0	0.0
100	PI/2 BPSK	135	0		21.39			
100	PI/2 BPSK	135	69		21.41			
100	PI/2 BPSK	135	138		21.35			
100	PI/2 BPSK	270	0		21.42		23.0	0.0
100	QPSK	1	1		21.24			
100	QPSK	1	137		21.43			
100	QPSK	1	271		21.23		23.0	0.0
100	QPSK	135	0		21.34			
100	QPSK	135	69		21.40			
100	QPSK	135	138		21.19			
100	QPSK	270	0		21.39		23.0	0.0
100	16QAM	1	1		21.24			
100	64QAM	1	1		21.24			
100	256QAM	1	1		20.23			
Channel				633000	633334	633668	23.0	0.0
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	123	21.40	21.38	21.38		
Channel				632668	633334	634000	23.0	0.0
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	109	21.37	21.39	21.36		
Channel				632000	633334	634668	23.0	0.0
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	21.35	21.37	21.36		
Channel				631668	633334	635000	23.0	0.0
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	21.39	21.36	21.37		
Channel				631334	633334	635334	23.0	0.0
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	21.38	21.36	21.39		
Channel				630668	633334	636000	23.0	0.0
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26	21.40	21.35	21.37		
Channel				630500	633334	636168	23.0	0.0
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	21.41	21.37	21.37		
Channel				630334	633334	636334	23.0	0.0
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	21.39	21.39	21.36		

Part270 n78 PC3 Ant6 Default power

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000				
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1		22.32			
100	PI/2 BPSK	1	137		22.37		23.0	0.0
100	PI/2 BPSK	1	271		22.34			
100	PI/2 BPSK	135	0		22.35		23.0	0.0
100	PI/2 BPSK	135	69		22.34		23.0	0.0
100	PI/2 BPSK	135	138		22.29			
100	PI/2 BPSK	270	0		22.33		23.0	0.0
100	QPSK	1	1		22.23			
100	QPSK	1	137		22.48		23.0	0.0
100	QPSK	1	271		22.34			
100	QPSK	135	0		22.15		23.0	0.0
100	QPSK	135	69		22.33		23.0	0.0
100	QPSK	135	138		22.19		23.0	0.0
100	QPSK	270	0		22.33			
100	16QAM	0	1		22.30		23.0	0.0
100	64QAM	1	1		22.24		23.0	0.0
100	256QAM	1	1		21.25		21.5	1.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	123		22.07	22.34	22.20	23.0 0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	109		22.08	22.36	22.23	23.0 0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	81		22.06	22.34	22.22	23.0 0.0
Channel				643334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	67		22.08	22.34	22.22	23.0 0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3760		
40	QPSK	1	53		22.06	22.34	22.22	23.0 0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	26		22.07	22.35	22.22	23.0 0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	19		22.05	22.34	22.20	23.0 0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	12		22.09	22.35	22.21	23.0 0.0

Part27Q 78 PC3 Ant6 Default power

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



Reduced power level for 5G NR DSH1

n5 Ant1 Default power								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				831.5	836.5	841.5		
20	PI/2 BPSK	1	1	23.87	24.07	23.93	25.5	0.0
20	PI/2 BPSK	1	26	23.82	24.01	23.85		
20	PI/2 BPSK	1	49	23.80	23.92	23.82		
20	PI/2 BPSK	25	0	23.70	23.78	23.59	25.0	0.5
20	PI/2 BPSK	25	13	23.81	24.03	23.81	25.5	0.0
20	PI/2 BPSK	25	26	23.35	23.69	23.61	25.0	0.5
20	PI/2 BPSK	50	0	23.55	23.74	23.69		
20	QPSK	1	1	23.90	24.11	24.07	25.5	0.0
20	QPSK	1	26	23.83	24.04	23.98		
20	QPSK	1	49	23.79	23.92	23.87		
20	QPSK	25	0	23.07	23.24	23.19	24.5	1.0
20	QPSK	25	13	23.07	24.06	23.89	25.5	0.0
20	QPSK	25	26	23.05	23.14	22.98	24.5	1.0
20	QPSK	50	0	23.12	23.26	23.09		
20	16QAM	1	1	22.81	22.91	22.76	24.5	1.0
20	64QAM	1	1	21.22	21.27	21.09	23.0	2.5
20	256QAM	1	1	19.95	19.69	19.61	21.0	4.5
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.87	23.94	23.80	25.5	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.86	23.98	23.86	25.5	0.0

n7 Ant1 Default power								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000		
Frequency (MHz)				2310	2335	2350		
20	PI/2 BPSK	1	1	24.18	24.39	24.31	25.5	0.0
20	PI/2 BPSK	1	26	24.16	24.36	24.19		
20	PI/2 BPSK	1	49	24.13	24.26	24.04		
20	PI/2 BPSK	25	0	23.79	23.91	23.71	25.0	0.5
20	PI/2 BPSK	25	13	24.34	24.38	24.25	25.5	0.0
20	PI/2 BPSK	25	26	23.77	23.89	23.85	25.0	0.5
20	PI/2 BPSK	50	0	23.83	23.92	23.79		
20	QPSK	1	1	24.27	24.45	24.33	25.5	0.0
20	QPSK	1	26	24.38	24.42	24.24		
20	QPSK	1	49	24.08	24.24	24.14		
20	QPSK	25	0	23.30	23.41	23.32	24.5	1.0
20	QPSK	25	13	24.21	24.42	24.32	25.5	0.0
20	QPSK	25	26	23.52	23.54	23.51	24.5	1.0
20	QPSK	50	0	23.55	23.59	23.51		
20	16QAM	1	1	22.98	23.16	22.98	24.5	1.0
20	64QAM	1	1	21.65	21.78	21.64	23.0	2.5
20	256QAM	1	1	20.24	20.31	20.27	21.0	4.5
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	24.21	24.31	24.15	25.5	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	24.11	24.35	24.30	25.5	0.0

n38 Ant1 Default power

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				516600	518000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2590	2595	2610		
20	PI/2 BPSK	1	1	23.89	23.96	23.81	25.5	0.0
20	PI/2 BPSK	1	26	23.93	24.06	23.88		
20	PI/2 BPSK	1	49	23.89	23.94	23.78	25.0	0.5
20	PI/2 BPSK	25	0	23.39	23.49	23.27		
20	PI/2 BPSK	25	13	24.00	24.02	23.81	25.0	0.5
20	PI/2 BPSK	25	26	23.45	23.48	23.38		
20	PI/2 BPSK	50	0	23.52	23.52	23.48	25.5	0.0
20	QPSK	1	1	23.94	24.12	24.05		
20	QPSK	1	26	24.00	24.01	23.78	24.5	1.0
20	QPSK	1	49	23.78	23.87	23.77		
20	QPSK	25	0	22.96	23.04	22.53	24.5	1.0
20	QPSK	25	13	23.98	24.03	23.93		
20	QPSK	25	26	23.10	23.11	23.05	24.5	1.0
20	QPSK	50	0	23.12	23.13	23.09		
20	16QAM	1	1	23.12	23.33	23.32	23.0	2.5
20	64QAM	1	1	21.12	21.17	21.17		
20	256QAM	1	1	19.74	19.88	19.84	21.0	4.5
Channel				515902	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	PI/2 BPSK	1	1	23.72	23.88	23.93	25.5	0.0
Channel				515004	518000	522596	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	PI/2 BPSK	1	1	23.82	23.91	23.98	25.5	0.0

n41 PC2 Ant1 Default power

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

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	20.65	20.74	20.67	22.0	0.0
20	PI/2 BPSK	1	26	20.67	20.54	20.72		
20	PI/2 BPSK	1	49	20.66	20.64	20.50		
20	PI/2 BPSK	25	0	20.56	20.70	20.60		
20	PI/2 BPSK	25	13	20.74	20.65	20.67	22.0	0.0
20	PI/2 BPSK	25	26	20.56	20.61	20.66	22.0	0.0
20	PI/2 BPSK	50	0	20.57	20.62	20.54		
20	QPSK	1	1	20.65	20.77	20.49		
20	QPSK	1	26	20.55	20.61	20.53		
20	QPSK	1	49	20.63	20.58	20.67	22.0	0.0
20	QPSK	25	0	20.58	20.62	20.51		
20	QPSK	25	13	20.56	20.76	20.60		
20	QPSK	25	26	20.72	20.55	20.66		
20	QPSK	50	0	20.55	20.73	20.62	22.0	0.0
20	16QAM	1	1	20.56	20.65	20.60		
20	64QAM	1	1	20.55	20.75	20.57		
20	256QAM	1	1	19.12	19.23	19.11		
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	20.50	20.60	20.58	22.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	20.53	20.58	20.52	22.0	0.0

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

n41 PC3 Ant2 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				506202	518598	528000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	18.57	18.77	18.57	20.0	0.0	
100	PI/2 BPSK	1	137	18.70	18.79	18.54			
100	PI/2 BPSK	1	271	18.64	18.65	18.56			
100	PI/2 BPSK	135	0	18.56	18.69	18.48	20.0	0.0	
100	PI/2 BPSK	135	69	18.72	18.82	18.56	20.0	0.0	
100	PI/2 BPSK	135	138	18.63	18.68	18.59	20.0	0.0	
100	PI/2 BPSK	270	0	18.52	18.70	18.64			
100	QPSK	1	1	18.73	18.81	18.68			
100	QPSK	1	137	18.52	18.62	18.43	20.0	0.0	
100	QPSK	1	271	18.64	18.75	18.70			
100	QPSK	135	0	18.70	18.73	18.58			
100	QPSK	135	69	18.67	18.84	18.57	20.0	0.0	
100	QPSK	135	138	18.54	18.65	18.55	20.0	0.0	
100	QPSK	270	0	18.56	18.76	18.48	20.0	0.0	
100	16QAM	1	1	18.72	18.69	18.68			
100	64QAM	1	1	18.53	18.69	18.63			
100	256QAM	1	1	18.74	18.76	18.56	20.0	0.0	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	123	18.65	18.71	18.50	20.0	0.0	
Channel				507204	518598	529996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2649.99			
80	QPSK	1	109	18.60	18.69	18.64	20.0	0.0	
Channel				506200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	18.66	18.72	18.51	20.0	0.0	
Channel				504204	518598	532996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	18.67	18.65	18.60	20.0	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	18.63	18.75	18.53	20.0	0.0	
Channel				501204	518598	535996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	18.55	18.77	18.70	20.0	0.0	
Channel				500700	518598	536498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.05	2592.99	2682.00			
15	QPSK	1	19	18.61	18.79	18.65	20.0	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	12	18.59	18.79	18.52	20.0	0.0	



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

Part27Q n77 PC2 Ant2 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	19.56			21.0	0.0	
100	PI/2 BPSK	1	137	19.48					
100	PI/2 BPSK	1	271	19.61					
100	PI/2 BPSK	135	0	19.63					
100	PI/2 BPSK	135	69	19.49			21.0	0.0	
100	PI/2 BPSK	135	138	19.48			21.0	0.0	
100	PI/2 BPSK	270	0	19.51					
100	QPSK	1	1	19.49					
100	QPSK	1	137	19.64					
100	QPSK	1	271	19.46			21.0	0.0	
100	QPSK	135	0	19.48			21.0	0.0	
100	QPSK	135	69	19.63			21.0	0.0	
100	QPSK	135	138	19.43			21.0	0.0	
100	QPSK	270	0	19.48			21.0	0.0	
100	16QAM	1	1	19.45			21.0	0.0	
100	64QAM	1	1	19.50			21.0	0.0	
100	256QAM	1	1	19.55			21.0	0.0	
Channel				633000	633334	633668	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	123	19.56	19.59	19.50	21.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109	19.41	19.40	19.31	21.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	81	19.39	19.45	19.40	21.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67	19.49	19.40	19.39	21.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53	19.34	19.49	19.39	21.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26	19.35	19.37	19.35	21.0	0.0	
Channel				630500	633334	636168	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	19	19.41	19.47	19.42	21.0	0.0	
Channel				630334	633334	636334	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	12	19.57	19.45	19.35	21.0	0.0	

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

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1		19.47		21.0	0.0
100	PI/2 BPSK	1	137		19.50			
100	PI/2 BPSK	1	271		19.66			
100	PI/2 BPSK	135	0		19.56		21.0	0.0
100	PI/2 BPSK	135	69		19.46		21.0	0.0
100	PI/2 BPSK	135	138		19.53		21.0	0.0
100	PI/2 BPSK	270	0		19.52			
100	QPSK	1	1		19.66			
100	QPSK	1	137		19.68		21.0	0.0
100	QPSK	1	271		19.61			
100	QPSK	135	0		19.65			
100	QPSK	135	69		19.44		21.0	0.0
100	QPSK	135	138		19.54		21.0	0.0
100	QPSK	270	0		19.55		21.0	0.0
100	16QAM	1	1		19.58			
100	64QAM	1	1		19.54			
100	256QAM	1	1		19.50		21.0	0.0
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	123		19.62	19.66	19.66	21.0
Channel				632968	633334	633700	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	109		19.53	19.59	19.36	21.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	81		19.47	19.57	19.44	21.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	67		19.52	19.61	19.45	21.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	53		19.56	19.63	19.36	21.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	26		19.49	19.67	19.47	21.0
Channel				630500	633334	636168	Tune-up limit	MPR
Frequency (MHz)				3452.5	3500.01	3542.52	(dBm)	(dB)
15	QPSK	1	19		19.64	19.54	19.56	21.0
Channel				630334	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	12		19.58	19.63	19.51	21.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				656000	656000	662000	19.0	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	18.41	18.51	18.39	19.0	0.0
100	PI/2 BPSK	1	137	18.34	18.50	18.45		
100	PI/2 BPSK	1	271	18.44	18.38	18.59	19.0	0.0
100	PI/2 BPSK	135	0	18.31	18.54	18.55		
100	PI/2 BPSK	135	69	18.38	18.46	18.49	19.0	0.0
100	PI/2 BPSK	135	138	18.32	18.58	18.59		
100	PI/2 BPSK	270	0	18.33	18.58	18.48	19.0	0.0
100	QPSK	1	1	18.47	18.56	18.57		
100	QPSK	1	137	18.51	18.61	18.44	19.0	0.0
100	QPSK	1	271	18.46	18.49	18.41		
100	QPSK	135	0	18.42	18.40	18.53	19.0	1.0
100	QPSK	135	69	18.41	18.55	18.53		
100	QPSK	135	138	18.43	18.50	18.45	19.0	0.0
100	QPSK	270	0	18.36	18.46	18.39		
100	16QAM	1	1	18.35	18.59	18.46	19.0	0.0
100	64QAM	1	1	18.49	18.47	18.48		
100	256QAM	1	1	18.34	18.48	18.41	19.0	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	123	18.34	18.60	18.38	19.0	0.0
Channel				649334	652000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	109	18.43	18.47	18.36	19.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	81	18.45	18.57	18.51	19.0	0.0
Channel				643334	650000	653566	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	67	18.42	18.43	18.58	19.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	53	18.28	18.45	18.43	19.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	26	18.39	18.60	18.40	19.0	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	19	18.37	18.38	18.45	19.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	12	18.46	18.48	18.41	19.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334	633334	633334	19.0	0.0
Frequency (MHz)						3500.01		
100	PI/2 BPSK	1	1		18.15		19.0	0.0
100	PI/2 BPSK	1	137		18.21			
100	PI/2 BPSK	1	271		18.52		19.0	0.0
100	PI/2 BPSK	135	0		18.16			
100	PI/2 BPSK	135	69		18.35		19.0	0.0
100	PI/2 BPSK	135	138		18.14			
100	PI/2 BPSK	270	0		18.18		19.0	0.0
100	QPSK	1	1		18.23			
100	QPSK	1	137		18.57		19.0	0.0
100	QPSK	1	271		18.32			
100	QPSK	135	0		18.15		19.0	0.0
100	QPSK	135	69		18.27			
100	QPSK	135	138		18.16		19.0	0.0
100	QPSK	270	0		18.20			
100	16QAM	1	1		18.16		19.0	0.0
100	64QAM	1	1		18.22			
100	256QAM	1	1		18.18		19.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	123	18.24	18.30	18.27	19.0	0.0
Channel				632568	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	109	18.24	18.32	18.29	19.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	18.16	18.24	18.11	19.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	18.18	18.11	18.21	19.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	18.09	18.20	18.07	19.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26	18.05	18.13	18.24	19.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	18.15	18.20	18.26	19.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	18.20	18.16	18.26	19.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	Pi/2 BPSK	1	1		18.44		19.0	0.0	
100	Pi/2 BPSK	1	137		18.40				
100	Pi/2 BPSK	1	271		18.45				
100	Pi/2 BPSK	135	0		18.47		19.0	0.0	
100	Pi/2 BPSK	135	69		18.40		19.0	0.0	
100	Pi/2 BPSK	135	138		18.49		19.0	0.0	
100	Pi/2 BPSK	270	0		18.44				
100	QPSK	1	1		18.31		19.0	0.0	
100	QPSK	1	137		18.54				
100	QPSK	1	271		18.37				
100	QPSK	135	0		18.44		19.0	0.0	
100	QPSK	135	69		18.45		19.0	0.0	
100	QPSK	135	138		18.43		19.0	0.0	
100	QPSK	270	0		18.44		19.0	0.0	
100	16QAM	1	1		18.50				
100	64QAM	1	1		18.38		19.0	0.0	
100	256QAM	1	1		18.32		19.0	0.0	
Channel				649688	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	123		18.34	18.52	18.44	19.0	0.0
Channel				649334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	109		18.32	18.52	18.39	19.0	0.0
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	81		18.21	18.37	18.36	19.0	0.0
Channel				643334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	67		18.31	18.47	18.29	19.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3760	(dBm)	(dB)	
40	QPSK	1	53		18.15	18.35	18.42	19.0	0.0
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	26		18.12	18.44	18.30	19.0	0.0
Channel				647168	650000	652834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	19		18.24	18.32	18.25	19.0	0.0
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	12		18.17	18.46	18.29	19.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	Pi/2 BPSK	1	1		18.20		19.0	0.0	
100	Pi/2 BPSK	1	137		18.33				
100	Pi/2 BPSK	1	271		18.26				
100	Pi/2 BPSK	135	0		18.24		19.0	0.0	
100	Pi/2 BPSK	135	69		18.17		19.0	0.0	
100	Pi/2 BPSK	135	138		18.14		19.0	0.0	
100	Pi/2 BPSK	270	0		18.12				
100	QPSK	1	1		18.17		19.0	0.0	
100	QPSK	1	137		18.34				
100	QPSK	1	271		18.25				
100	QPSK	135	0		18.15		19.0	0.0	
100	QPSK	135	69		18.25		19.0	0.0	
100	QPSK	135	138		18.13		19.0	0.0	
100	QPSK	270	0		18.12		19.0	0.0	
100	16QAM	1	1		18.27				
100	64QAM	1	1		18.29		19.0	0.0	
100	256QAM	1	1		18.21		19.0	0.0	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	123		18.28	18.20	18.27	19.0	0.0
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	109		18.23	18.05	18.14	19.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	81		18.15	18.08	18.22	19.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	67		18.19	18.04	18.23	19.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	53		18.13	18.04	18.15	19.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	26		18.24	18.05	18.20	19.0	0.0
Channel				630500	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	19		18.23	18.16	18.20	19.0	0.0
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	12		18.12	18.13	18.22	19.0	0.0

n5 Ant4 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	24.5	0.0
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	23.07	23.23	23.16		
20	PI/2 BPSK	1	26	22.98	23.24	23.19	24.5	0.0
20	PI/2 BPSK	1	49	23.04	23.16	23.20		
20	PI/2 BPSK	25	0	23.03	23.19	23.15		
20	PI/2 BPSK	25	13	23.02	23.24	23.14	24.5	0.0
20	PI/2 BPSK	25	26	23.08	23.21	23.22	24.5	0.0
20	PI/2 BPSK	50	0	23.04	23.27	23.26		
20	QPSK	1	1	23.02	23.28	23.26		
20	QPSK	1	26	23.08	23.20	23.15	24.5	0.0
20	QPSK	1	49	23.06	23.17	23.19		
20	QPSK	25	0	23.04	23.18	23.15		
20	QPSK	25	13	23.03	23.25	23.15	24.5	0.0
20	QPSK	25	26	22.97	23.22	23.23	24.5	0.0
20	QPSK	50	0	23.00	23.20	23.14		
20	16QAM	1	1	22.99	23.24	23.26		
20	64QAM	1	1	22.99	22.67	22.65	23.0	1.5
20	256QAM	1	1	20.96	20.73	20.67	21.0	3.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5	24.5	0.0
15	QPSK	1	1	23.01	23.18	23.19		
Channel				135600	137200	138800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826	836.5	844	24.5	0.0
10	QPSK	1	1	23.04	23.28	23.14		

n7 Ant4 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000	19.5	0.0
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	18.80	18.96	18.84		
20	PI/2 BPSK	1	26	18.75	18.93	18.92	19.5	0.0
20	PI/2 BPSK	1	49	18.78	18.94	18.83		
20	PI/2 BPSK	25	0	18.82	18.95	18.91		
20	PI/2 BPSK	25	13	18.76	18.97	18.91	19.5	0.0
20	PI/2 BPSK	25	26	18.80	18.96	18.82	19.5	0.0
20	PI/2 BPSK	50	0	18.80	18.96	18.86		
20	QPSK	1	1	18.88	19.02	18.98		
20	QPSK	1	26	18.74	18.90	18.89	19.5	0.0
20	QPSK	1	49	18.94	18.97	18.95		
20	QPSK	25	0	18.71	18.94	18.85		
20	QPSK	25	13	18.75	18.99	18.86	19.5	0.0
20	QPSK	25	26	18.77	18.91	18.81	19.5	0.0
20	QPSK	50	0	18.83	18.95	18.83		
20	16QAM	1	1	18.75	18.86	18.92		
20	64QAM	1	1	18.75	18.89	18.91	19.5	0.0
20	256QAM	1	1	18.74	18.92	18.94	19.5	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	19.5	0.0
15	QPSK	1	1	18.81	18.88	18.89		
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	19.5	0.0
10	QPSK	1	1	18.72	18.91	18.83		

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

n41 PC2 Ant4 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				508202	518998	528000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	15.64	15.85	15.77	17.0	0.0	
100	PI/2 BPSK	1	137	15.53	15.84	15.76			
100	PI/2 BPSK	1	271	15.54	15.81	15.76			
100	PI/2 BPSK	135	0	15.62	15.80	15.77	17.0	0.0	
100	PI/2 BPSK	135	69	15.66	15.82	15.80	17.0	0.0	
100	PI/2 BPSK	135	138	15.58	15.83	15.79	17.0	0.0	
100	PI/2 BPSK	270	0	15.58	15.83	15.79			
100	QPSK	1	1	15.58	15.77	15.84			
100	QPSK	1	137	15.55	15.86	15.82	17.0	0.0	
100	QPSK	1	271	15.66	15.84	15.72			
100	QPSK	135	0	15.61	15.76	15.72			
100	QPSK	135	69	15.64	15.79	15.74	17.0	0.0	
100	QPSK	135	138	15.58	15.77	15.68	17.0	0.0	
100	QPSK	270	0	15.63	15.80	15.77			
100	16QAM	1	1	15.60	15.80	15.81			
100	64QAM	1	1	15.62	15.83	15.80	17.0	0.0	
100	256QAM	1	1	15.61	15.85	15.79	17.0	0.0	
Channel				508200	518998	528998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	123	15.67	15.80	15.74	17.0	0.0	
Channel				507204	518998	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2649.99			
80	QPSK	1	109	15.54	15.79	15.85	17.0	0.0	
Channel				506200	518998	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	15.66	15.66	15.75	17.0	0.0	
Channel				504204	518998	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2684.99			
50	QPSK	1	67	15.55	15.78	15.83	17.0	0.0	
Channel				503202	518998	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	15.61	15.77	15.82	17.0	0.0	
Channel				501204	518998	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	15.62	15.83	15.74	17.0	0.0	
Channel				500700	518998	536498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.02	2592.99	2682.02			
15	QPSK	1	19	15.59	15.79	15.82	17.0	0.0	
Channel				500202	518998	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	12	15.61	15.84	15.80	17.0	0.0	



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

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

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

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

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

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

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

Part27Q 78 PC3 Ant6 Default power

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

Reduced power level for 5G NR DSI1 ENDC

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

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



Reduced power level for 5G NR DSI2

n5 Ant1 Default power								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 166800	Power Middle Ch. / Freq. 167300	Power High Ch. / Freq. 167800	Tune-up limit (dbm)	MPR (db)
Channel				831	836.5	839		
Frequency (MHz)				831.5	835.5	839.5		
20	PI/2 BPSK	1	1	23.87	24.07	23.93		
20	PI/2 BPSK	1	26	23.82	24.01	23.85	25.5	0.0
20	PI/2 BPSK	1	49	23.80	23.92	23.82		
20	PI/2 BPSK	25	0	23.70	23.78	23.59	25.0	0.5
20	PI/2 BPSK	25	13	23.81	24.03	23.81	25.5	0.0
20	PI/2 BPSK	25	26	23.55	23.69	23.61		
20	PI/2 BPSK	50	0	23.55	23.74	23.69	25.0	0.5
20	QPSK	1	1	23.90	24.11	24.07		
20	QPSK	1	26	23.83	24.04	23.98	25.5	0.0
20	QPSK	1	49	23.79	23.92	23.87		
20	QPSK	25	0	23.07	23.24	23.19	24.5	1.0
20	QPSK	25	13	23.87	24.06	23.89	25.5	0.0
20	QPSK	25	26	23.05	23.14	22.98		
20	QPSK	50	0	23.12	23.26	23.09	24.5	1.0
20	16QAM	1	1	22.81	22.91	22.76	24.5	1.0
20	64QAM	1	1	21.22	21.27	21.09	23.0	2.5
20	256QAM	1	1	19.55	19.69	19.61	21.0	4.5
Channel				166300	167300	168300	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.87	23.94	23.80	25.5	0.0
Channel				165800	167300	168800	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.86	23.98	23.86	25.5	0.0

n7 Ant1 DS12								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 502000	Power Middle Ch. / Freq. 507000	Power High Ch. / Freq. 512000	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	22.70	22.96	22.85	24.0	0.0
20	PI/2 BPSK	1	26	22.78	22.90	22.77		
20	PI/2 BPSK	1	49	22.72	22.89	22.84		
20	PI/2 BPSK	25	0	22.75	22.87	22.77		
20	PI/2 BPSK	25	13	22.75	22.89	22.79	24.0	0.0
20	PI/2 BPSK	25	26	22.80	22.83	22.79	24.0	0.0
20	PI/2 BPSK	50	0	22.71	22.89	22.83	24.0	0.0
20	QPSK	1	1	22.80	22.97	22.81		
20	QPSK	1	26	22.83	22.82	22.80		
20	QPSK	1	49	22.76	22.90	22.80		
20	QPSK	25	0	22.74	22.88	22.86	24.0	0.0
20	QPSK	25	13	22.76	22.92	22.78	24.0	0.0
20	QPSK	25	26	22.74	22.93	22.87	24.0	0.0
20	QPSK	50	0	22.84	22.90	22.87		
20	16QAM	1	1	22.76	22.96	22.79		
20	64QAM	1	1	21.81	21.82	21.85		
20	256QAM	1	1	19.82	19.91	19.86	21.0	3.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	22.74	22.94	22.69	24.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	22.69	22.87	22.74	24.0	0.0



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

n41 PC3 Ant1 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	526000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2548.01	2592.99	2640			
100	PI/2 BPSK	1	1	23.05	23.09	22.93	24.5	0.0	
100	PI/2 BPSK	1	137	23.74	23.91	23.81			
100	PI/2 BPSK	1	271	22.87	23.01	22.99			
100	PI/2 BPSK	135	0	23.78	23.83	23.68	24.5	0.0	
100	PI/2 BPSK	135	69	23.88	23.91	23.79	24.5	0.0	
100	PI/2 BPSK	135	138	23.81	23.82	23.59	24.5	0.0	
100	PI/2 BPSK	270	0	23.59	23.78	23.58			
100	QPSK	1	1	22.81	23.02	22.98			
100	QPSK	1	137	23.83	23.94	23.79	24.5	0.0	
100	QPSK	1	271	22.76	22.89	22.81	24.5	0.0	
100	QPSK	135	0	23.57	23.57	23.58	24.5	0.0	
100	QPSK	135	69	23.90	23.92	23.88	24.5	0.0	
100	QPSK	135	138	23.56	23.49	23.61	24.5	0.0	
100	QPSK	270	0	23.59	23.72	23.56	24.5	0.0	
100	16QAM	1	1	23.79	23.79	23.75	24.5	0.0	
100	64QAM	1	1	22.42	22.46	22.47	23.0	1.5	
100	256QAM	1	1	20.34	20.33	20.36	21.0	3.5	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	123	23.85	23.82	23.43	24.5	0.0	
Channel				507204	518598	529996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2648.99			
80	QPSK	1	109	23.82	23.80	23.62	24.5	0.0	
Channel				506200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	23.82	23.68	23.57	24.5	0.0	
Channel				504204	518598	532996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	23.84	23.80	23.49	24.5	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	23.81	23.86	23.58	24.5	0.0	
Channel				501204	518598	535098	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	23.73	23.72	23.63	24.5	0.0	
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.43			
15	QPSK	1	19	23.75	23.74	23.61	24.5	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	12	23.73	23.86	23.51	24.5	0.0	

n41 PC2 Ant1 DS12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	526000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	24.55	24.71	24.47	25.5	0.0	
100	PI/2 BPSK	1	137	24.57	24.79	24.55			
100	PI/2 BPSK	1	271	24.61	24.78	24.49			
100	PI/2 BPSK	135	0	24.62	24.71	24.53	25.5	0.0	
100	PI/2 BPSK	135	69	24.63	24.75	24.58	25.5	0.0	
100	PI/2 BPSK	135	138	24.63	24.75	24.48	25.5	0.0	
100	PI/2 BPSK	270	0	24.53	24.77	24.55			
100	QPSK	1	1	24.51	24.79	24.45			
100	QPSK	1	137	24.59	24.81	24.53	25.5	0.0	
100	QPSK	1	271	24.52	24.79	24.52	25.0	0.5	
100	QPSK	135	0	24.02	24.28	23.93	25.0	0.5	
100	QPSK	135	69	24.35	24.72	24.34	25.5	0.0	
100	QPSK	135	138	23.99	24.26	23.91	25.0	0.5	
100	QPSK	270	0	24.07	24.29	23.98	25.0	0.5	
100	16QAM	1	1	23.99	24.35	23.89	25.0	0.5	
100	64QAM	1	1	22.57	22.75	22.69	23.5	2.0	
100	256QAM	1	1	21.24	21.30	21.19	21.5	4.0	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	123	24.39	24.63	24.31	25.5	0.0	
Channel				507204	518598	529996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	109	24.44	24.23	23.91	25.5	0.0	
Channel				506200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	24.41	24.72	24.40	25.5	0.0	
Channel				504204	518598	532996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	24.46	24.72	24.29	25.5	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	24.47	24.67	24.38	25.5	0.0	
Channel				501204	518598	535098	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	24.43	24.65	24.42	25.5	0.0	
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.43			
15	QPSK	1	19	24.39	24.64	24.32	25.5	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	12	24.42	24.62	24.39	25.5	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	21.32	21.45	21.31		
20	PI/2 BPSK	1	26	21.44	21.51	21.41	23.0	0.0
20	PI/2 BPSK	1	49	21.32	21.44	21.38		
20	PI/2 BPSK	25	0	21.28	21.53	21.30	23.0	0.0
20	PI/2 BPSK	25	13	21.28	21.52	21.37	23.0	0.0
20	PI/2 BPSK	25	26	21.33	21.45	21.39		
20	PI/2 BPSK	50	0	21.27	21.51	21.43	23.0	0.0
20	QPSK	1	1	21.34	21.57	21.37		
20	QPSK	1	26	21.36	21.54	21.38	23.0	0.0
20	QPSK	1	49	21.35	21.47	21.41		
20	QPSK	25	0	21.40	21.43	21.30	23.0	0.0
20	QPSK	25	13	21.28	21.46	21.44	23.0	0.0
20	QPSK	25	26	21.25	21.31	21.27		
20	QPSK	50	0	21.29	21.34	21.32	23.0	0.0
20	16QAM	1	1	21.35	21.40	21.37	23.0	0.0
20	64QAM	1	1	20.78	20.97	20.92	22.5	0.5
20	256QAM	1	1	18.84	19.01	18.87	20.5	2.5
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	21.29	21.42	21.33	23.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	21.30	21.35	21.32	23.0	0.0

n38 Ant2 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				516600	518000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2590	2595	2610			
20	PI/2 BPSK	1	1	19.68	19.69	19.65	21.5	0.0	
20	PI/2 BPSK	1	26	19.67	19.62	19.79			
20	PI/2 BPSK	1	49	19.72	19.67	19.72			
20	PI/2 BPSK	25	0	19.69	19.69	19.76	21.5	0.0	
20	PI/2 BPSK	25	13	19.71	19.64	19.79	21.5	0.0	
20	PI/2 BPSK	25	26	19.74	19.72	19.69	21.5	0.0	
20	PI/2 BPSK	50	0	19.72	19.65	19.68			
20	QPSK	1	1	19.78	19.82	19.72			
20	QPSK	1	26	19.70	19.65	19.73	21.5	0.0	
20	QPSK	1	49	19.66	19.73	19.67			
20	QPSK	25	0	19.69	19.73	19.65			
20	QPSK	25	13	19.63	19.59	19.69	21.5	0.0	
20	QPSK	25	26	19.76	19.65	19.77	21.5	0.0	
20	QPSK	50	0	19.74	19.73	19.69	21.5	0.0	
20	16QAM	1	1	19.68	19.63	19.79			
20	64QAM	1	1	19.66	19.67	19.71			
20	256QAM	1	1	18.85	18.74	18.87	20.5	1.0	
Channel				515902	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	PI/2 BPSK	1	1	19.68	19.69	19.74	21.5	0.0	
Channel				515904	519000	522596	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	PI/2 BPSK	1	1	19.75	19.65	19.78	21.5	0.0	

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

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				656000	666000	666000	22.0	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	20.63	20.74	20.72	22.0	0.0
100	PI/2 BPSK	1	137	20.56	20.66	20.62		
100	PI/2 BPSK	1	271	20.56	20.72	20.72		
100	PI/2 BPSK	135	0	20.64	20.66	20.65		
100	PI/2 BPSK	135	69	20.57	20.75	20.65	22.0	0.0
100	PI/2 BPSK	135	138	20.67	20.74	20.63	22.0	0.0
100	PI/2 BPSK	270	0	20.59	20.75	20.61		
100	QPSK	1	1	20.57	20.70	20.63	22.0	0.0
100	QPSK	1	137	20.55	20.78	20.73		
100	QPSK	1	271	20.66	20.74	20.74		
100	QPSK	135	0	20.66	20.67	20.64		
100	QPSK	135	69	20.55	20.72	20.62	22.0	0.0
100	QPSK	135	138	20.63	20.65	20.61	22.0	0.0
100	QPSK	270	0	20.60	20.69	20.63	22.0	0.0
100	16QAM	1	1	20.55	20.75	20.67		
100	64QAM	1	1	20.50	20.76	20.62		
100	256QAM	1	1	20.58	20.68	20.71		
Channel				648668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	123	20.56	20.76	20.71	22.0	0.0
Channel				648334	656000	662368	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	109	20.54	20.71	20.64	22.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	81	20.62	20.74	20.73	22.0	0.0
Channel				648334	656000	663368	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	67	20.57	20.74	20.66	22.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	53	20.54	20.67	20.70	22.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	26	20.66	20.75	20.74	22.0	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	19	20.58	20.75	20.62	22.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	12	20.67	20.74	20.64	22.0	0.0

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

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

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		20.53		22.0	0.0	
100	PI/2 BPSK	1	137		20.53				
100	PI/2 BPSK	1	271		20.53				
100	PI/2 BPSK	135	0		20.53				
100	PI/2 BPSK	135	69		20.52		22.0	0.0	
100	PI/2 BPSK	135	138		20.61		22.0	0.0	
100	PI/2 BPSK	270	0		20.52				
100	QPSK	1	1		20.60		22.0	0.0	
100	QPSK	1	137		20.62				
100	QPSK	1	271		20.54				
100	QPSK	135	0		20.52				
100	QPSK	135	69		20.59		22.0	0.0	
100	QPSK	135	138		20.50		22.0	0.0	
100	QPSK	270	0		20.54		22.0	0.0	
100	16QAM	1	1		20.50				
100	64QAM	1	1		20.55				
100	256QAM	1	1		20.60				
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	123		20.41	20.53	20.46	22.0	0.0
Channel				632968	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109		20.45	20.46	20.49	22.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	81		20.51	20.55	20.56	22.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67		20.51	20.54	20.54	22.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53		20.41	20.45	20.57	22.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26		20.51	20.47	20.57	22.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.52	3500.01	3542.52			
15	QPSK	1	19		20.53	20.45	20.47	22.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	12		20.45	20.46	20.50	22.0	0.0

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

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

Part270 n78 PC2&3 Ant3 DSI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000				
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1		22.52		24.0	0.0
100	PI/2 BPSK	1	137		23.49			
100	PI/2 BPSK	1	271		22.57			
100	PI/2 BPSK	135	0		23.46		24.0	0.0
100	PI/2 BPSK	135	69		23.51		24.0	0.0
100	PI/2 BPSK	135	138		23.47		24.0	0.0
100	PI/2 BPSK	270	0		23.41			
100	QPSK	1	1		22.60			
100	QPSK	1	137		23.53		24.0	0.0
100	QPSK	1	271		22.62		24.0	0.0
100	QPSK	135	0		23.45			
100	QPSK	135	69		23.51			
100	QPSK	135	138		23.50		24.0	0.0
100	QPSK	270	0		23.50		24.0	0.0
100	16QAM	1	1		22.32			
100	64QAM	1	1		22.93			
100	256QAM	1	1		21.10		21.5	2.5
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	123		23.42	23.32	23.47	24.0
Channel				649334	650000	650666	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	109		23.32	23.37	23.39	24.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	81		23.35	23.27	23.29	24.0
Channel				643334	650000	651666	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	67		23.36	23.33	23.43	24.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	53		23.45	23.37	23.39	24.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	26		23.44	23.33	23.32	24.0
Channel				647168	650000	652834	Tune-up limit	MPR
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)
15	QPSK	1	19		23.32	23.28	23.37	24.0
Channel				647000	650000	653000	Tune-up limit	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	12		23.34	23.46	23.47	24.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1		22.33		24.0	0.0
100	PI/2 BPSK	1	137		23.12			
100	PI/2 BPSK	1	271		22.27			
100	PI/2 BPSK	135	0		23.20		24.0	0.0
100	PI/2 BPSK	135	69		23.20			
100	PI/2 BPSK	135	138		23.02			
100	PI/2 BPSK	270	0		23.06		24.0	0.0
100	QPSK	1	1		22.38		24.0	0.0
100	QPSK	1	137		23.24			
100	QPSK	1	271		22.27			
100	QPSK	135	0		23.15		24.0	0.0
100	QPSK	135	69		23.19			
100	QPSK	135	138		23.07			
100	QPSK	270	0		23.12		24.0	0.0
100	16QAM	1	1		22.14		24.0	0.0
100	64QAM	1	1		22.79		23.5	0.5
100	256QAM	1	1		20.80		21.5	2.5
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	123		23.01	23.03	23.03	24.0
Channel				632998	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	109		22.99	22.98	23.00	24.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	81		22.96	22.94	22.96	24.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	67		22.90	22.90	22.94	24.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3550.01	(dBm)	(dB)
40	QPSK	1	53		22.95	23.00	22.96	24.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	26		22.87	22.94	23.05	24.0
Channel				630500	633334	636168	Tune-up limit	MPR
Frequency (MHz)				3452.5	3500.01	3542.52	(dBm)	(dB)
15	QPSK	1	19		23.04	22.87	23.05	24.0
Channel				630334	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	12		23.05	22.88	22.88	24.0

n5 Ant4 Default power								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	25.5	0.0
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	23.94	24.14	24.11		
20	PI/2 BPSK	1	26	23.95	24.04	23.86	25.0	0.5
20	PI/2 BPSK	1	49	23.74	23.96	23.83		
20	PI/2 BPSK	25	0	23.47	23.64	23.50		
20	PI/2 BPSK	25	13	24.07	24.10	23.94	25.0	0.5
20	PI/2 BPSK	25	26	23.50	23.61	23.42		
20	PI/2 BPSK	50	0	23.54	23.67	23.64		
20	QPSK	1	1	24.03	24.22	24.20	25.5	0.0
20	QPSK	1	26	24.03	24.06	23.92		
20	QPSK	1	49	23.82	23.96	23.74		
20	QPSK	25	0	22.92	23.13	23.02	24.5	1.0
20	QPSK	25	13	23.87	24.08	23.86		
20	QPSK	25	26	22.91	23.05	22.98		
20	QPSK	50	0	22.87	23.10	22.91	24.5	1.0
20	16QAM	1	1	22.58	22.65	22.52		
20	64QAM	1	1	21.10	21.20	21.02		
20	256QAM	1	1	19.73	19.75	19.58	21.0	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5	25.5	0.0
15	QPSK	1	1	23.95	24.11	24.13		
Channel				135600	137300	138500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826	836.5	844	25.5	0.0
10	QPSK	1	1	24.02	24.16	24.09		

n7 Ant4 DS12								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000	25.5	0.0
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	23.24	23.36	23.23	24.0	0.0
20	PI/2 BPSK	1	26	23.27	23.29	23.32		
20	PI/2 BPSK	1	49	23.35	23.29	23.28		
20	PI/2 BPSK	25	0	23.25	23.27	23.21	24.0	0.0
20	PI/2 BPSK	25	13	23.34	23.37	23.23		
20	PI/2 BPSK	25	26	23.35	23.32	23.34		
20	PI/2 BPSK	50	0	23.35	23.35	23.26	24.0	0.0
20	QPSK	1	1	23.40	23.41	23.38		
20	QPSK	1	26	23.24	23.30	23.28		
20	QPSK	1	49	23.26	23.35	23.34	23.0	1.0
20	QPSK	25	0	22.40	22.44	22.36		
20	QPSK	25	13	23.21	23.32	23.25		
20	QPSK	25	26	22.41	22.42	22.43	23.0	1.0
20	QPSK	50	0	22.42	22.34	22.34		
20	16QAM	1	1	23.24	23.26	23.28		
20	64QAM	1	1	22.39	22.48	22.41	23.0	1.0
20	256QAM	1	1	20.42	20.48	20.33	21.0	3.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	25.5	0.0
15	QPSK	1	1	23.31	23.37	23.29		
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	25.5	0.0
10	QPSK	1	1	23.32	23.26	23.34		



n38 Ant4 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				516200	516900	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2590	2595	2610			
20	PI/2 BPSK	1	1	22.91	23.02	22.89	24.0	0.0	
20	PI/2 BPSK	1	26	22.91	23.03	22.78			
20	PI/2 BPSK	1	49	22.85	22.99	22.78			
20	PI/2 BPSK	25	0	22.84	22.95	22.78	24.0	0.0	
20	PI/2 BPSK	25	13	22.86	23.05	22.77	24.0	0.0	
20	PI/2 BPSK	25	26	22.83	22.99	22.77	24.0	0.0	
20	PI/2 BPSK	50	0	22.92	23.04	22.75			
20	QPSK	1	1	22.87	23.07	22.80			
20	QPSK	1	26	22.89	23.02	22.75	24.0	0.0	
20	QPSK	1	49	22.88	22.96	22.76			
20	QPSK	25	0	22.85	22.86	22.75			
20	QPSK	25	13	22.85	22.97	22.71	24.0	0.0	
20	QPSK	25	26	22.91	22.83	22.77	24.0	0.0	
20	QPSK	50	0	22.88	22.95	22.73	24.0	0.0	
20	16QAM	1	1	22.92	22.95	22.80			
20	64QAM	1	1	21.84	22.01	21.78			
20	256QAM	1	1	19.82	19.98	19.77	21.0	3.0	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	PI/2 BPSK	1	1	22.88	22.96	22.73	24.0	0.0	
Channel				515324	519000	522998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	PI/2 BPSK	1	1	22.88	22.95	22.79	24.0	0.0	

n41 PC3 Ant4 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				559202	518598	535000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	23.30	23.38	23.15	24.5	0.0	
100	PI/2 BPSK	1	137	24.18	24.30	24.20			
100	PI/2 BPSK	1	271	23.42	23.54	23.43			
100	PI/2 BPSK	135	0	24.05	24.14	24.00	24.5	0.0	
100	PI/2 BPSK	135	69	24.22	24.29	24.07	24.5	0.0	
100	PI/2 BPSK	135	138	24.17	24.22	24.03	24.5	0.0	
100	PI/2 BPSK	270	0	24.05	24.15	24.02			
100	QPSK	1	1	23.19	23.24	23.17			
100	QPSK	1	137	24.10	24.31	24.23	24.5	0.0	
100	QPSK	1	271	23.40	23.42	23.41			
100	QPSK	135	0	24.05	24.07	23.98			
100	QPSK	135	69	24.13	24.30	24.25	24.5	0.0	
100	QPSK	135	138	24.08	24.25	24.19	24.5	0.0	
100	QPSK	270	0	23.92	24.12	24.00	24.5	0.0	
100	16QAM	1	1	23.12	23.17	23.05			
100	64QAM	1	1	22.76	22.83	22.76			
100	256QAM	1	1	20.66	20.71	20.68	21.0	3.5	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	123	24.04	24.22	24.11	24.5	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	109	24.15	24.01	24.03	24.5	0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	24.11	24.15	24.07	24.5	0.0	
Channel				502204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	24.14	24.00	24.14	24.5	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	24.01	24.13	24.08	24.5	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	24.12	24.02	24.04	24.5	0.0	
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.35	2592.99	2659.43			
15	QPSK	1	19	24.17	24.16	24.01	24.5	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	12	24.14	24.12	24.16	24.5	0.0	

n41 PC2 Ant4 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				559202	518598	535000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	23.06	23.31	23.33	24.5	0.0	
100	PI/2 BPSK	1	137	23.12	23.39	23.25			
100	PI/2 BPSK	1	271	23.15	23.31	23.23			
100	PI/2 BPSK	135	0	23.06	23.33	23.23	24.5	0.0	
100	PI/2 BPSK	135	69	23.05	23.37	23.28	24.5	0.0	
100	PI/2 BPSK	135	138	23.17	23.27	23.27	24.5	0.0	
100	PI/2 BPSK	270	0	23.07	23.28	23.31			
100	QPSK	1	1	23.08	23.33	23.35			
100	QPSK	1	137	23.12	23.40	23.28	24.5	0.0	
100	QPSK	1	271	23.05	23.33	23.33			
100	QPSK	135	0	23.17	23.32	23.24			
100	QPSK	135	69	23.11	23.35	23.26	24.5	0.0	
100	QPSK	135	138	23.14	23.28	23.30	24.5	0.0	
100	QPSK	270	0	23.06	23.36	23.32	24.5	0.0	
100	16QAM	1	1	23.09	23.35	23.30			
100	64QAM	1	1	22.05	22.29	22.22			
100	256QAM	1	1	20.09	20.38	20.20	21.5	3.0	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	123	23.01	23.25	23.15	24.5	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	109	23.03	23.26	23.14	24.5	0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	22.99	23.19	23.19	24.5	0.0	
Channel				502204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	23.04	23.25	23.22	24.5	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	23.09	23.17	23.22	24.5	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	23.08	23.27	23.09	24.5	0.0	
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.35	2592.99	2659.43			
15	QPSK	1	19	22.98	23.18	23.21	24.5	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	12	22.99	23.22	23.22	24.5	0.0	



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

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

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

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



Par270 n77 PC3 Ant6 DS12											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)			
Channel				656000	656000	662000					
Frequency (MHz)				3750	3840	3930					
100	PI/2 BPSK	1	1	17.43	17.53	17.47	18.0	0.0			
100	PI/2 BPSK	1	137	17.54	17.55	17.56					
100	PI/2 BPSK	1	271	17.45	17.56	17.53					
100	PI/2 BPSK	135	0	17.47	17.54	17.56					
100	PI/2 BPSK	135	69	17.43	17.52	17.51					
100	PI/2 BPSK	135	138	17.45	17.53	17.56	18.0	0.0			
100	PI/2 BPSK	270	0	17.49	17.54	17.50					
100	QPSK	1	1	17.45	17.47	17.49	18.0	0.0			
100	QPSK	1	137	17.49	17.57	17.49					
100	QPSK	1	271	17.48	17.48	17.44					
100	QPSK	135	0	17.52	17.52	17.50	18.0				
100	QPSK	135	69	17.44	17.54	17.46	18.0				
100	QPSK	135	138	17.46	17.48	17.48	18.0				
100	QPSK	270	0	17.51	17.56	17.44	18.0				
100	16QAM	1	1	17.46	17.52	17.56	18.0				
100	64QAM	1	1	17.49	17.52	17.56	18.0				
100	256QAM	1	1	17.50	17.56	17.44	18.0				
Channel				648668	656000	662334	Tune-up limit (dbm)	MPR (db)			
Frequency (MHz)				3745.02	3840	3935.01					
90	QPSK	1	123	17.46	17.50	17.50	18.0				
Channel				648334	656000	662668	Tune-up limit (dbm)	MPR (db)			
Frequency (MHz)				3740.01	3840	3940.02					
80	QPSK	1	109	17.53	17.59	17.48	18.0				
Channel				648668	656000	663334	Tune-up limit (dbm)	MPR (db)			
Frequency (MHz)				3730.02	3840	3950.01					
60	QPSK	1	81	17.50	17.56	17.44	18.0				
Channel				648334	656000	663668	Tune-up limit (dbm)	MPR (db)			
Frequency (MHz)				3725.01	3840	3955.02					
50	QPSK	1	67	17.50	17.57	17.49	18.0				
Channel				648000	656000	664000	Tune-up limit (dbm)	MPR (db)			
Frequency (MHz)				3720	3840	3960					
40	QPSK	1	53	17.41	17.54	17.53	18.0				
Channel				647334	656000	664668	Tune-up limit (dbm)	MPR (db)			
Frequency (MHz)				3710.01	3840	3970.02					
20	QPSK	1	26	17.55	17.52	17.55	18.0				
Channel				647168	656000	664834	Tune-up limit (dbm)	MPR (db)			
Frequency (MHz)				3707.52	3840	3972.51					
15	QPSK	1	19	17.46	17.53	17.46	18.0				
Channel				647000	656000	665000	Tune-up limit (dbm)	MPR (db)			
Frequency (MHz)				3705	3840	3975					
10	QPSK	1	12	17.55	17.48	17.44	18.0				

Part27Q n77 PC3 Ant6 DSI2											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)			
Channel					633334						
Frequency (MHz)					3500.01						
100	PI/2 BPSK	1	1		16.47		18.0	0.0			
100	PI/2 BPSK	1	137		16.46						
100	PI/2 BPSK	1	271		16.42						
100	PI/2 BPSK	135	0		16.37						
100	PI/2 BPSK	135	69		16.40						
100	PI/2 BPSK	135	138		16.41		18.0	0.0			
100	PI/2 BPSK	270	0		16.40						
100	QPSK	1	1		16.44		18.0	0.0			
100	QPSK	1	137		16.48						
100	QPSK	1	271		16.40						
100	QPSK	135	0		16.37		18.0	0.0			
100	QPSK	135	69		16.40						
100	QPSK	135	138		16.30						
100	QPSK	270	0		16.42						
100	16QAM	1	1		16.39		18.0				
100	64QAM	1	1		16.44		18.0				
100	256QAM	1	1		16.37		18.0				
Channel				633000	633334	633668	Tune-up limit (dbm)	MPR (db)			
Frequency (MHz)				3495	3500.01	3505.02					
90	QPSK	1	123	16.38	16.46	16.39	18.0	0.0			
Channel				632668	633334	634000	Tune-up limit (dbm)	MPR (db)			
Frequency (MHz)				3490.02	3500.01	3510					
80	QPSK	1	109	16.33	16.37	16.29	18.0	0.0			
Channel				632000	633334	634668	Tune-up limit (dbm)	MPR (db)			
Frequency (MHz)				3480	3500.01	3520.02					
60	QPSK	1	81	16.33	16.36	16.28	18.0	0.0			
Channel				631668	633334	635000	Tune-up limit (dbm)	MPR (db)			
Frequency (MHz)				3475.02	3500.01	3525					
50	QPSK	1	67	16.34	16.39	16.36	18.0	0.0			
Channel				631334	633334	635334	Tune-up limit (dbm)	MPR (db)			
Frequency (MHz)				3470.01	3500.01	3530.01					
40	QPSK	1	53	16.29	16.40	16.25	18.0	0.0			
Channel				630668	633334	636000	Tune-up limit (dbm)	MPR (db)			
Frequency (MHz)				3460.02	3500.01	3540					
20	QPSK	1	26	16.25	16.40	16.25	18.0	0.0			
Channel				630500	633334	636168	Tune-up limit (dbm)	MPR (db)			
Frequency (MHz)				3457.5	3500.01	3542.52					
15	QPSK	1	19	16.23	16.40	16.25	18.0	0.0			
Channel				630334	633334	636334	Tune-up limit (dbm)	MPR (db)			
Frequency (MHz)				3455.01	3500.01	3545.01					
10	QPSK	1	12	16.30	16.36	16.29	18.0	0.0			

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000				
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1		17.52		18.0	0.0
100	PI/2 BPSK	1	137		17.48			
100	PI/2 BPSK	1	271		17.42			
100	PI/2 BPSK	135	0		17.46		18.0	0.0
100	PI/2 BPSK	135	69		17.46		18.0	0.0
100	PI/2 BPSK	135	138		17.43		18.0	0.0
100	PI/2 BPSK	270	0		17.50			
100	QPSK	1	1		17.41		18.0	0.0
100	QPSK	1	137		17.55			
100	QPSK	1	271		17.48			
100	QPSK	135	0		17.38		18.0	0.0
100	QPSK	135	69		17.45		18.0	0.0
100	QPSK	135	138		17.44		18.0	0.0
100	QPSK	270	0		17.42		18.0	0.0
100	16QAM	0	1		17.44			
100	64QAM	1	1		17.50			
100	256QAM	1	1		17.48		18.0	0.0
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	123		17.50	17.46	17.46	18.0 0.0
Channel				649334	650000	650666	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	109		17.37	17.29	17.37	18.0 0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	81		17.38	17.33	17.30	18.0 0.0
Channel				643334	650000	651666	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	67		17.45	17.30	17.37	18.0 0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	53		17.39	17.42	17.35	18.0 0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	26		17.43	17.42	17.34	18.0 0.0
Channel				647168	650000	652834	Tune-up limit	MPR
Frequency (MHz)				3707.52	3750	3792.61	(dBm)	(dB)
15	QPSK	1	19		17.45	17.37	17.41	18.0 0.0
Channel				647000	650000	653000	Tune-up limit	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	12		17.41	17.40	17.29	18.0 0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1		16.40		18.0	0.0
100	PI/2 BPSK	1	137		16.31			
100	PI/2 BPSK	1	271		16.35			
100	PI/2 BPSK	135	0		16.41		18.0	0.0
100	PI/2 BPSK	135	69		16.30			
100	PI/2 BPSK	135	138		16.38		18.0	0.0
100	PI/2 BPSK	270	0		16.28			
100	QPSK	1	1		16.36		18.0	0.0
100	QPSK	1	137		16.42			
100	QPSK	1	271		16.36			
100	QPSK	135	0		16.37		18.0	0.0
100	QPSK	135	69		16.41			
100	QPSK	135	138		16.39		18.0	0.0
100	QPSK	270	0		16.30			
100	16QAM	1	1		16.38			
100	64QAM	1	1		16.40		18.0	0.0
100	256QAM	1	1		16.38		18.0	0.0
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	123		16.32	16.33	16.39	18.0 0.0
Channel				632968	633334	633666	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	109		16.23	16.17	16.31	18.0 0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	81		16.20	16.24	16.24	18.0 0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	67		16.25	16.23	16.27	18.0 0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	53		16.24	16.29	16.31	18.0 0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	26		16.17	16.21	16.22	18.0 0.0
Channel				630500	633334	636168	Tune-up limit	MPR
Frequency (MHz)				3459.5	3500.01	3542.52	(dBm)	(dB)
15	QPSK	1	19		16.24	16.24	16.34	18.0 0.0
Channel				630334	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	12		16.27	16.20	16.23	18.0 0.0