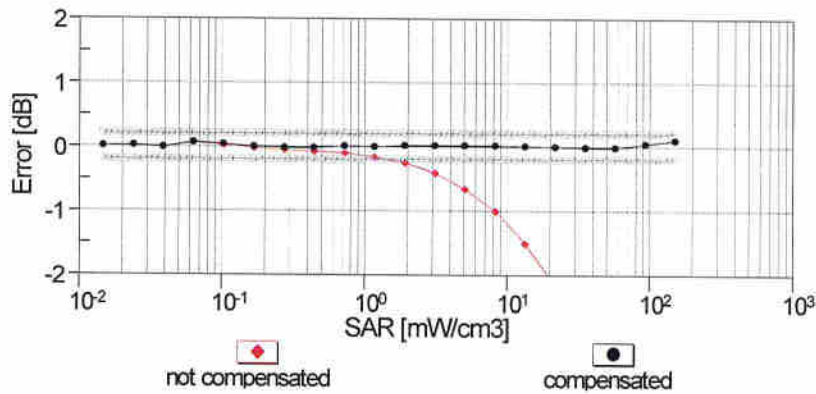
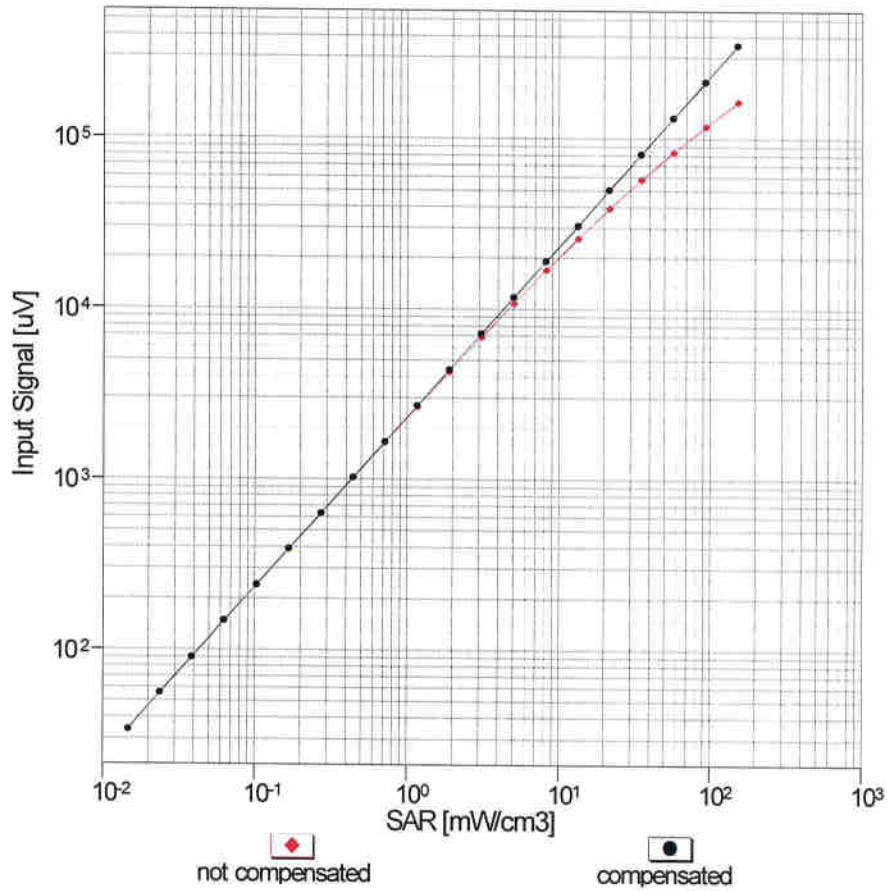
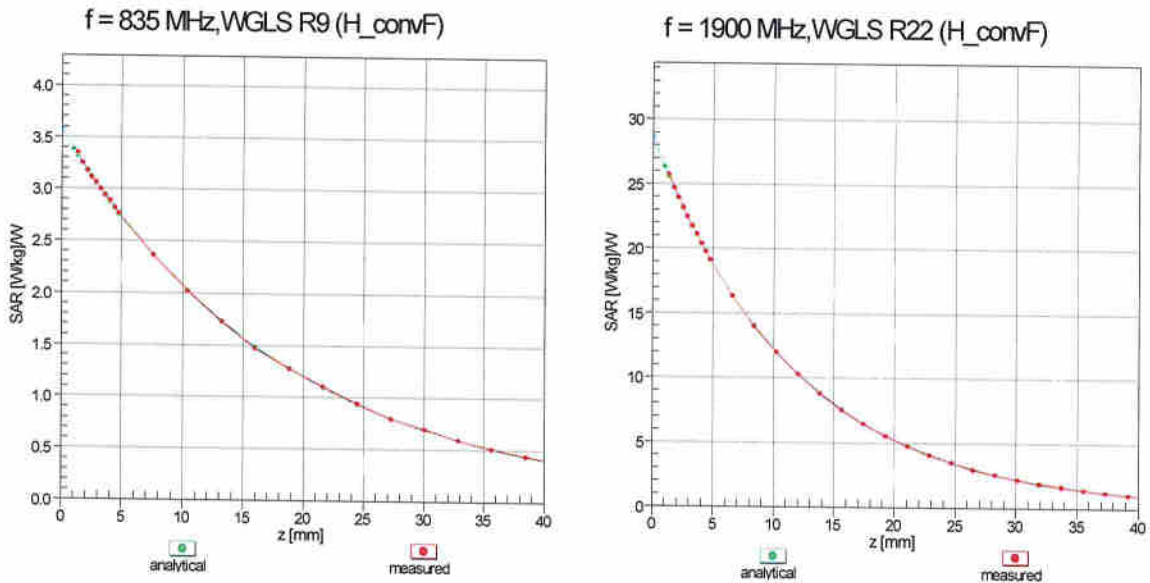


Dynamic Range $f(\text{SAR}_{\text{head}})$ (TEM cell , $f_{\text{eval}}= 1900 \text{ MHz}$)

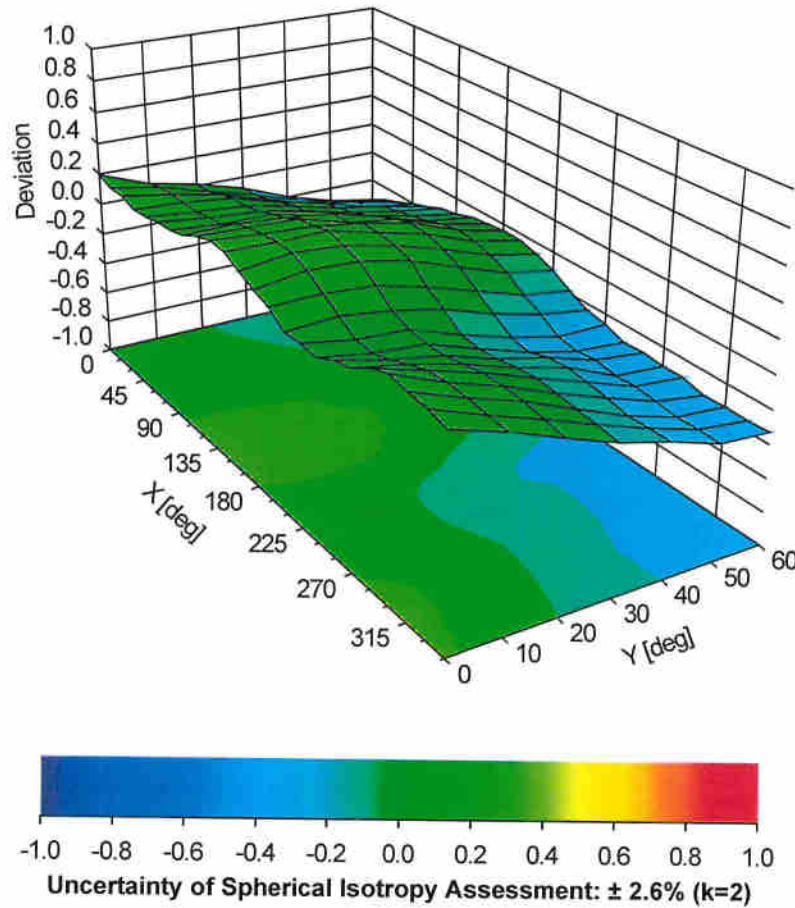


Uncertainty of Linearity Assessment: ± 0.6% (k=2)

Conversion Factor Assessment



Deviation from Isotropy in Liquid Error (ϕ, θ), f = 900 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, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.89	± 9.6 %
10869	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10870	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.86	± 9.6 %
10871	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10872	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.52	± 9.6 %
10873	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	± 9.6 %
10874	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	± 9.6 %
10875	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	± 9.6 %
10876	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.39	± 9.6 %
10877	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	7.95	± 9.6 %
10878	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.41	± 9.6 %
10879	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.12	± 9.6 %
10880	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.38	± 9.6 %
10881	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10882	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.96	± 9.6 %
10883	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.57	± 9.6 %
10884	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.53	± 9.6 %
10885	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	± 9.6 %
10886	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	± 9.6 %
10887	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	± 9.6 %
10888	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.35	± 9.6 %
10889	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.02	± 9.6 %
10890	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.40	± 9.6 %
10891	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.13	± 9.6 %
10892	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.41	± 9.6 %
10897	AAC	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.66	± 9.6 %
10898	AAB	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	± 9.6 %
10899	AAB	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	± 9.6 %
10900	AAB	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10901	AAB	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10902	AAB	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10903	AAB	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10904	AAB	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10905	AAB	5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10906	AAB	5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10907	AAC	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.78	± 9.6 %
10908	AAB	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6 %
10909	AAB	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.96	± 9.6 %
10910	AAB	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	± 9.6 %
10911	AAB	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6 %
10912	AAB	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10913	AAB	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10914	AAB	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.85	± 9.6 %
10915	AAB	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	± 9.6 %
10916	AAB	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 9.6 %
10917	AAB	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	± 9.6 %
10918	AAC	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	± 9.6 %
10919	AAB	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	± 9.6 %
10920	AAB	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 9.6 %
10921	AAB	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10922	AAB	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.82	± 9.6 %

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

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



Appendix E. Conducted RF Output Power Table

The detailed power table are shown as follows.



Full Power level/Default Power level for WWAN

GSM850 Ant1 Default power

GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	160	251		128	160	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.80	32.76	32.75	33.50	23.80	23.76	23.75	24.50
GPRS 1 Tx slot	32.69	32.78	32.69	33.50	23.69	23.78	23.69	24.50
GPRS 2 Tx slots	30.09	30.29	30.29	31.00	24.09	24.29	24.29	25.00
GPRS 3 Tx slots	29.10	29.22	29.03	29.50	24.84	24.96	24.77	25.24
GPRS 4 Tx slots	27.05	27.14	27.03	28.00	24.05	24.14	24.03	25.00
EDGE 1 Tx slot	27.03	27.18	27.01	28.50	18.03	18.18	18.01	19.50
EDGE 2 Tx slots	24.22	24.41	24.43	25.50	18.22	18.41	18.43	19.50
EDGE 3 Tx slots	22.15	22.36	22.27	24.00	17.89	18.10	18.01	19.74
EDGE 4 Tx slots	21.08	21.15	20.94	22.50	18.08	18.15	17.84	19.50

GSM1900 Ant1 Default power

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	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	19.90	20.07	19.95	21.74
GPRS 4 Tx slots	23.07	23.25	23.26	24.50	20.07	20.25	20.26	21.50
EDGE 1 Tx slot	26.34	26.48	26.47	27.50	17.34	17.48	17.47	18.50
EDGE 2 Tx slots	23.21	23.20	23.05	24.50	17.21	17.20	17.05	18.50
EDGE 3 Tx slots	22.18	22.18	22.10	23.00	17.92	17.92	17.84	18.74
EDGE 4 Tx slots	20.86	21.02	20.89	21.50	17.86	18.02	17.89	18.50

WCDMA II Ant1 Default power

WCDMA IV Ant1 Default power

WCDMA V Ant1 Default power

Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
	9262	8400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel	9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99 AMR 12.2Kbps	23.56	23.63	23.59	25.00	23.44	23.49	23.47	25.00	23.91	23.96	23.88	25.50
3GPP Rel 99 RMC 12.2Kbps	23.57	23.64	23.61	25.00	23.51	23.54	23.53	25.00	23.93	23.98	23.89	25.50
3GPP Rel 6 HSDPA Subtest-1	22.37	22.53	22.65	24.00	22.69	22.63	22.60	24.00	22.84	22.95	22.99	24.50
3GPP Rel 6 HSDPA Subtest-2	22.64	22.44	22.39	24.00	22.77	22.78	22.48	24.00	22.78	23.02	23.08	24.50
3GPP Rel 6 HSDPA Subtest-3	22.07	22.24	22.04	23.50	22.11	22.06	22.18	23.50	22.52	22.30	22.35	24.00
3GPP Rel 6 HSDPA Subtest-4	22.02	22.13	21.87	23.50	22.24	22.13	22.16	23.50	22.14	22.39	22.40	24.00
3GPP Rel 8 DC-HSDPA Subtest-1	22.71	22.58	22.60	24.00	22.76	22.55	22.73	24.00	23.10	22.92	23.11	24.50
3GPP Rel 8 DC-HSDPA Subtest-2	22.41	22.70	22.42	24.00	22.70	22.85	22.72	24.00	23.07	23.09	23.13	24.50
3GPP Rel 8 DC-HSDPA Subtest-3	22.29	22.27	22.18	23.50	22.27	22.15	22.07	23.50	22.58	22.36	22.16	24.00
3GPP Rel 8 DC-HSDPA Subtest-4	21.91	22.26	22.04	23.50	22.39	22.18	21.98	23.50	22.25	22.57	22.31	24.00
3GPP Rel 6 HSUPA Subtest-1	22.48	22.63	22.68	24.00	22.59	22.70	22.74	24.00	22.99	22.91	23.15	24.50
3GPP Rel 6 HSUPA Subtest-2	20.74	20.59	20.54	22.00	20.73	20.62	20.57	22.00	20.95	20.98	21.06	22.50
3GPP Rel 6 HSUPA Subtest-3	21.55	21.92	21.46	23.00	21.85	21.50	21.64	23.00	22.01	21.95	21.61	23.50
3GPP Rel 6 HSUPA Subtest-4	20.41	20.57	20.24	22.00	20.78	20.81	20.78	22.00	20.72	20.85	20.89	22.50
3GPP Rel 6 HSUPA Subtest-5	22.52	22.78	22.74	24.00	22.63	22.70	22.56	24.00	22.78	22.95	23.12	24.50
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	19.86	19.98	20.00	21.50	20.03	20.07	20.17	21.50	20.29	20.33	20.24	22.00

Band 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	23.5	1
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	24.5	0
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	23.24	23.45	23.29	23.5	1
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	24.5	0
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	23.26	23.40	23.32	23.5	1
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	22.5	2
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	23.5	1
5	QPSK	1	12	23.29	23.22	23.26		
5	QPSK	1	24	23.19	23.35	23.42		
5	QPSK	12	0	22.31	22.55	22.36	23.5	1
5	QPSK	12	7	22.33	22.37	22.41		
5	QPSK	12	13	22.24	22.33	22.35		
5	QPSK	25	0	22.18	22.46	22.36	23.5	1
5	16QAM	1	0	22.55	22.45	22.54		
5	16QAM	1	12	22.45	22.34	22.54		
5	16QAM	1	24	22.32	22.43	22.33	22.5	2
5	16QAM	12	0	21.46	21.52	21.42		
5	16QAM	12	7	21.35	21.49	21.36		
5	16QAM	12	13	21.30	21.36	21.37	22.5	2
5	16QAM	25	0	21.41	21.33	21.30		
5	64QAM	1	0	21.51	21.42	21.47		
5	64QAM	1	12	21.22	21.43	21.26	21.5	3
5	64QAM	1	24	21.33	21.24	21.31		
5	64QAM	12	0	20.54	20.77	20.63		
5	64QAM	12	7	20.41	20.48	20.45	21.5	3
5	64QAM	12	13	20.57	20.43	20.46		
5	64QAM	25	0	20.33	20.29	20.38		



GSM850 Ant4 Default power

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

GSM1900 Ant4 Default power

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1852.2	1860	1869.8		1852.2	1860	1869.8	
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)	
	9262	9400	9538		1312	1413	1513		4132	4182	4233		
TX Channel	9262	9400	9538		1312	1413	1513		4132	4182	4233		
Rx Channel	9662	9800	9938		1537	1638	1738		4357	4407	4458		
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6		
3GPP Rel 99	AMR 12.2Kbps	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 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)				20450	20525	20600		
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	22.95	22.85	22.90	24.5	1
10	16QAM	1	49	22.80	22.83	22.75		
10	16QAM	25	0	22.08	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	23.5	2
10	64QAM	1	49	21.92	21.81	21.90		
10	64QAM	25	0	21.21	21.07	21.37		
10	64QAM	25	12	21.30	21.34	21.29	22.5	3
10	64QAM	25	25	21.19	21.15	21.51		
10	64QAM	50	0	20.83	20.84	20.70		
Channel				20425	20525	20625		
Frequency (MHz)				20425	20525	20625		
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	1	12	22.83	22.93	22.85		
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	21.81	21.74	21.89	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	23.5	2
5	64QAM	1	24	21.80	21.64	21.74		
5	64QAM	12	0	21.02	20.88	21.27		
5	64QAM	12	7	21.12	21.17	21.16	22.5	3
5	64QAM	12	13	21.06	20.96	21.34		
5	64QAM	25	0	20.64	20.73	20.61		
Channel				20415	20525	20635		
Frequency (MHz)				20415	20525	20635		
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	22.85	22.76		
3	16QAM	1	0	22.68	22.70	22.70	24.5	1
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		
3	16QAM	8	4	21.73	21.95	21.80	23.5	2
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	23.5	2
3	64QAM	1	8	21.60	21.85	21.70		
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	21.39		
3	64QAM	15	0	20.71	20.68	20.50		
Channel				20407	20525	20643		
Frequency (MHz)				20407	20525	20643		
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	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		
1.4	16QAM	6	0	22.00	22.21	22.04	23.5	2
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 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)				20850	21100	21350		
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		
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	22.66	22.65		
20	16QAM	1	0	22.86	22.90	22.87		
20	16QAM	1	49	22.79	22.86	22.84	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	23.5	2
20	16QAM	50	50	21.69	21.75	21.64		
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		
Frequency (MHz)				20825	21100	21375		
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	22.58	22.63	22.54		
15	QPSK	75	0	22.57	22.68	22.67		
15	16QAM	1	0	22.77	22.88	22.94		
15	16QAM	1	37	22.71	22.83	22.81	24.5	1
15	16QAM	1	74	22.66	22.76	22.75		
15	16QAM	36	0	21.70	21.75	21.77		
15	16QAM	36	20	21.62	21.61	21.61	23.5	2
15	16QAM	36	39	21.62	21.65	21.56		
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	21.83	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				20900	21100	21400		
Frequency (MHz)				20900	21100	21400		
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		
10	QPSK	25	12	22.56	22.61	22.66	24.5	1
10	QPSK	25	25	22.57	22.64	22.61		
10								



Reduced power level for WWAN—DSI 1

GSM850 Ant1 Default power

GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	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	22.38	22.27	24.00	17.89	18.10	18.01	18.74
EDGE 4 Tx slots	21.08	21.15	20.94	22.50	16.08	16.15	17.94	19.50

GSM1900 Ant1 Default power

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	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	24.23	24.21	26.00	19.90	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 # Ant1 Default power

WCDMA IV Ant1 Default power

WCDMA V Ant1 Default power

Band	WCDMA #			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel	9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99 AMR 12.2Kbps	23.56	23.63	23.59	25.00	23.44	23.49	23.47	25.00	23.91	23.96	23.88	25.50
3GPP Rel 99 RMC 12.2Kbps	23.57	23.64	23.61	25.00	23.51	23.54	23.53	25.00	23.93	23.98	23.89	25.50
3GPP Rel 6 HSDPA Subtest-1	22.37	22.53	22.65	24.00	22.69	22.63	22.60	24.00	22.84	22.95	22.99	24.50
3GPP Rel 6 HSDPA Subtest-2	22.64	22.44	22.39	24.00	22.77	22.78	22.48	24.00	22.78	23.02	23.08	24.50
3GPP Rel 6 HSDPA Subtest-3	22.07	22.24	22.04	23.50	22.11	22.06	22.18	23.50	22.52	22.30	22.35	24.00
3GPP Rel 6 HSDPA Subtest-4	22.02	22.13	21.87	23.50	22.24	22.19	22.16	23.50	22.14	22.38	22.40	24.00
3GPP Rel 8 DC-HSDPA Subtest-1	22.71	22.58	22.60	24.00	22.76	22.55	22.73	24.00	23.10	22.92	23.11	24.50
3GPP Rel 8 DC-HSDPA Subtest-2	22.41	22.70	22.42	24.00	22.70	22.65	22.72	24.00	23.07	23.09	23.13	24.50
3GPP Rel 8 DC-HSDPA Subtest-3	22.29	22.27	22.18	23.50	22.27	22.15	22.07	23.50	22.58	22.36	22.16	24.00
3GPP Rel 8 DC-HSDPA Subtest-4	21.91	22.26	22.04	23.50	22.39	22.18	21.98	23.50	22.25	22.57	22.31	24.00
3GPP Rel 6 HSUPA Subtest-1	22.48	22.63	22.68	24.00	22.59	22.70	22.74	24.00	22.99	22.91	23.15	24.50
3GPP Rel 6 HSUPA Subtest-2	20.74	20.59	20.54	22.00	20.73	20.62	20.57	22.00	20.95	20.98	21.06	22.50
3GPP Rel 6 HSUPA Subtest-3	21.55	21.92	21.46	23.00	21.85	21.50	21.64	23.00	22.01	21.95	21.61	23.50
3GPP Rel 6 HSUPA Subtest-4	20.41	20.57	20.24	22.00	20.78	20.81	20.78	22.00	20.72	20.85	20.89	22.50
3GPP Rel 6 HSUPA Subtest-5	22.52	22.78	22.74	24.00	22.63	22.70	22.56	24.00	22.78	22.95	23.12	24.50
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	19.86	19.98	20.00	21.50	20.03	20.07	20.17	21.50	20.29	20.33	20.24	22.00



Band 7 Ant2 DS11									
BW [MHz]	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	18	0	
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	18	0	
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	16.78	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	18	0	
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	18	0	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	16.79	16.88	16.80	18	0	
5	QPSK	1	12	16.82	16.90	16.87			
5	QPSK	1	24	16.76	16.68	16.71			
5	QPSK	12	0	16.68	16.87	16.80	18	0	
5	QPSK	12	7	16.78	16.82	16.78			
5	QPSK	12	13	16.72	16.70	16.69			
5	QPSK	25	0	16.81	16.76	16.75	18	0	
5	16QAM	1	0	16.77	16.79	16.74			
5	16QAM	1	12	16.80	16.79	16.82			
5	16QAM	1	24	16.71	16.69	16.57	18	0	
5	16QAM	12	0	16.69	16.72	16.61			
5	16QAM	12	7	16.73	16.77	16.82			
5	16QAM	12	13	16.63	16.66	16.76	18	0	
5	16QAM	25	0	16.75	16.69	16.72			
5	64QAM	1	0	16.76	16.90	16.78			
5	64QAM	1	12	16.82	16.80	16.78	18	0	
5	64QAM	1	24	16.70	16.75	16.62			
5	64QAM	12	0	16.80	16.85	16.64			
5	64QAM	12	7	16.87	16.82	16.90	18	0	
5	64QAM	12	13	16.61	16.57	16.73			
5	64QAM	25	0	16.74	16.75	16.78			



GSM850 Ant4 DSI1

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel	128	189		251	128	189	
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 Ant4 DSI1

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel	512	661		810	512	661	
Frequency (MHz)	1850.2	1850	1850.8		1850.2	1850	1850.8	
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	23.67	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 Ant4 DSI1

WCDMA IV Ant4 DSI1

WCDMA V Ant4 DSI1

Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)	
	TX Channel	9262	9400		9538	1312	1413		1513	4132	4182		4233
Rx Channel	9662	9800	9938		1537	1638	1738		4357	4407	4458		
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6		
3GPP Rel 99	AMR 12.2Kbps	19.50	19.57	19.55	20.50	20.71	20.79	20.78	22.00	22.89	23.03	22.94	24.50
3GPP Rel 99	RMC 12.2Kbps	19.53	19.60	19.57	20.50	20.99	21.08	21.06	22.00	23.04	23.12	23.05	24.50
3GPP Rel 6	HSDPA Subtest-1	18.65	18.50	18.39	19.50	19.87	20.05	19.82	21.00	22.25	22.27	22.10	23.50
3GPP Rel 6	HSDPA Subtest-2	18.46	18.45	18.46	19.50	19.94	20.04	19.87	21.00	22.29	22.28	22.12	23.50
3GPP Rel 6	HSDPA Subtest-3	18.17	18.02	18.10	19.00	19.31	19.59	19.40	20.50	21.70	21.74	21.66	23.00
3GPP Rel 6	HSDPA Subtest-4	18.13	18.25	18.10	19.00	19.96	19.97	19.84	20.50	22.45	22.46	22.07	23.00
3GPP Rel 8	DC-HSDPA Subtest-1	18.44	18.51	18.61	19.50	19.72	20.07	19.91	21.00	22.15	22.15	22.26	23.50
3GPP Rel 8	DC-HSDPA Subtest-2	18.46	18.59	18.73	19.50	20.00	19.89	19.81	21.00	22.19	22.28	21.94	23.50
3GPP Rel 8	DC-HSDPA Subtest-3	18.13	18.15	18.10	19.00	19.22	19.41	19.53	20.50	21.54	21.75	21.86	23.00
3GPP Rel 8	DC-HSDPA Subtest-4	17.94	18.29	18.22	19.00	19.49	19.34	19.30	20.50	21.78	21.68	21.74	23.00
3GPP Rel 6	HSUPA Subtest-1	18.40	18.71	18.47	19.50	19.88	20.03	19.84	21.00	22.14	22.22	22.42	23.50
3GPP Rel 6	HSUPA Subtest-2	16.46	16.63	16.72	17.50	18.04	17.77	17.79	19.00	20.31	20.10	19.97	21.50
3GPP Rel 6	HSUPA Subtest-3	17.40	17.60	17.45	18.50	18.79	18.85	18.96	20.00	21.18	21.42	21.31	22.50
3GPP Rel 6	HSUPA Subtest-4	16.63	16.68	16.64	17.50	17.89	17.84	17.83	19.00	20.33	20.40	20.27	21.50
3GPP Rel 6	HSUPA Subtest-5	18.49	18.60	18.56	19.50	19.89	19.96	19.86	21.00	22.12	22.36	22.36	23.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	15.96	15.99	16.08	17.00	17.61	17.49	17.39	18.50	19.68	19.81	19.67	21.00



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)
	193	199	251		193	199	251	
Tx Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.60	32.76	32.75	33.50	23.60	23.76	23.75	24.50
GPRS 1 Tx slot	32.69	32.78	32.69	33.50	23.69	23.78	23.69	24.50
GPRS 2 Tx slots	30.09	30.29	30.29	31.00	24.09	24.29	24.29	25.00
GPRS 3 Tx slots	29.10	29.22	29.03	29.50	24.84	24.96	24.77	25.24
GPRS 4 Tx slots	27.05	27.14	27.03	28.00	24.05	24.14	24.03	25.00
EDGE 1 Tx slot	27.03	27.18	27.01	28.50	18.03	18.18	18.01	19.50
EDGE 2 Tx slots	24.22	24.41	24.43	25.50	18.22	18.41	18.43	19.50
EDGE 3 Tx slots	22.15	22.36	22.27	24.00	17.89	18.10	18.01	18.74
EDGE 4 Tx slots	21.08	21.15	20.94	22.50	18.08	18.15	17.94	19.50

GSM1900 Ant1 Default power

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Tx Channel	1850.2	1860	1909.8		1850.2	1860	1909.8	
Frequency (MHz)	1850.2	1860	1909.8		1850.2	1860	1909.8	
GSM 1 Tx slot	29.81	29.87	29.76	30.50	20.81	20.87	20.76	21.50
GPRS 1 Tx slot	29.83	29.89	29.84	30.50	20.83	20.89	20.84	21.50
GPRS 2 Tx slots	26.24	26.28	26.15	27.50	20.24	20.28	20.15	21.50
GPRS 3 Tx slots	24.16	24.33	24.21	25.00	19.90	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	9262	9400	9538		1312	1413	1513		4132	4182	4233		
Rx Channel	9562	9800	9938		1537	1638	1738		4357	4407	4458		
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6		
3GPP Rel 99	AMR 12.2Kbps	21.25	21.34	21.37	23.00	21.49	21.44	21.33	23.00	23.91	23.96	23.88	25.50
3GPP Rel 99	RMC 12.2Kbps	21.38	21.55	21.43	23.00	21.45	21.69	21.46	23.00	23.93	23.98	23.89	25.50
3GPP Rel 6	HSDPA Subtest-1	20.32	20.60	20.60	22.00	20.70	20.61	20.53	22.00	22.84	22.95	22.99	24.50
3GPP Rel 6	HSDPA Subtest-2	20.58	20.46	20.35	22.00	20.81	20.84	20.39	22.00	22.78	23.02	23.08	24.50
3GPP Rel 6	HSDPA Subtest-3	20.11	20.23	20.10	21.50	20.04	20.02	20.08	21.50	22.52	22.30	22.35	24.00
3GPP Rel 6	HSDPA Subtest-4	19.91	20.15	19.98	21.50	20.27	20.02	20.21	21.50	22.14	22.39	22.40	24.00
3GPP Rel 8	DC-HSDPA Subtest-1	20.74	20.49	20.65	22.00	20.78	20.59	20.65	22.00	23.10	22.92	23.11	24.50
3GPP Rel 8	DC-HSDPA Subtest-2	20.50	20.61	20.39	22.00	20.70	20.69	20.78	22.00	23.07	23.09	23.13	24.50
3GPP Rel 8	DC-HSDPA Subtest-3	20.36	20.16	20.08	21.50	20.38	20.09	20.18	21.50	22.58	22.36	22.16	24.00
3GPP Rel 8	DC-HSDPA Subtest-4	20.01	20.16	20.02	21.50	20.35	20.17	19.93	21.50	22.25	22.57	22.31	24.00
3GPP Rel 6	HSUPA Subtest-1	20.48	20.71	20.79	22.00	20.52	20.59	20.85	22.00	22.99	22.91	23.15	24.50
3GPP Rel 6	HSUPA Subtest-2	18.68	18.56	18.50	20.00	18.68	18.70	18.55	20.00	20.95	20.98	21.06	22.50
3GPP Rel 6	HSUPA Subtest-3	19.59	19.90	19.56	21.00	19.92	19.55	19.71	21.00	22.01	21.95	21.61	23.50
3GPP Rel 6	HSUPA Subtest-4	18.46	18.56	18.18	20.00	18.83	18.91	18.66	20.00	20.72	20.85	20.89	22.50
3GPP Rel 6	HSUPA Subtest-5	20.63	20.85	20.67	22.00	20.51	20.74	20.44	22.00	22.78	22.95	23.12	24.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	17.80	18.00	18.06	19.50	18.11	18.03	18.14	19.50	20.29	20.33	20.24	22.00

Band 7 Ant2 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	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	21.5	0
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	21.5	0
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	21.5	0
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	21.5	0
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	20.38	20.27	21.5	0
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	21.5	0
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	19.88	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	21.5	0
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	21.5	0
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	21.5	0
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	21.5	0
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	21.5	0
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	21.5	0
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		



GSM850 Ant4 Default power

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

GSM1900 Ant4 Default power

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	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	23.39	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 I Ant4 Default power

WCDMA IV Ant4 Default power

WCDMA V Ant4 Default power

Band	WCDMA I			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1513		4132	4182	4233		
TX Channel	9262	9400	9538		1312	1413	1513		4132	4182	4233		
Rx Channel	9662	9800	9938		1537	1638	1738		4357	4407	4468		
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		825.4	836.4	846.6		
3GPP Rel 99	AMR 12.2Kbps	23.98	24.08	24.02	25.00	23.78	23.81	23.77	25.00	24.08	24.22	24.15	25.50
3GPP Rel 99	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	25.60
3GPP Rel 6	HSDPA Subtest-1	23.13	23.02	22.90	24.00	22.90	22.83	22.70	24.00	23.24	23.48	23.33	24.50
3GPP Rel 6	HSDPA Subtest-2	22.94	22.96	22.98	24.00	22.86	22.84	22.83	24.00	23.24	23.18	23.47	24.50
3GPP Rel 6	HSDPA Subtest-3	22.66	22.53	22.57	23.50	22.39	22.20	22.36	23.50	22.89	22.90	22.89	24.00
3GPP Rel 6	HSDPA Subtest-4	22.60	22.75	22.60	23.50	22.17	22.29	22.20	23.50	22.80	22.68	22.80	24.00
3GPP Rel 8	DC-HSDPA Subtest-1	22.93	23.02	23.11	24.00	22.99	22.99	22.95	24.00	23.22	23.35	23.31	24.50
3GPP Rel 8	DC-HSDPA Subtest-2	22.94	23.08	23.24	24.00	22.89	22.89	22.86	24.00	23.32	23.21	23.35	24.50
3GPP Rel 8	DC-HSDPA Subtest-3	22.63	22.64	22.60	23.50	22.37	22.33	22.29	23.50	22.70	22.96	22.73	24.00
3GPP Rel 8	DC-HSDPA Subtest-4	22.47	22.76	22.70	23.50	22.36	22.24	22.39	23.50	22.77	22.98	22.94	24.00
3GPP Rel 6	HSUPA Subtest-1	22.98	23.21	22.97	24.00	22.93	22.74	22.74	24.00	23.28	23.24	23.35	24.50
3GPP Rel 6	HSUPA Subtest-2	20.96	21.11	21.20	22.00	20.80	20.86	20.93	22.00	21.18	21.25	21.31	22.50
3GPP Rel 6	HSUPA Subtest-3	21.93	22.12	21.93	23.00	21.80	21.89	21.67	23.00	22.31	22.32	22.27	23.50
3GPP Rel 6	HSUPA Subtest-4	21.13	21.21	21.15	22.00	20.88	20.90	20.72	22.00	21.35	21.43	21.34	22.50
3GPP Rel 6	HSUPA Subtest-5	23.00	23.13	23.06	24.00	22.68	23.01	22.89	24.00	23.12	23.29	23.43	24.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.45	20.52	20.55	21.50	20.36	20.38	20.35	21.50	20.87	20.87	20.90	22.00



Reduced power level for WWAN DSI3

GSM850 Ant1 Default power									
GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	128	189	251		128	189	251		
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8		
GSM 1 Tx slot	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 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	512	661	810		512	661	810		
Frequency (MHz)	1850.2	1860	1899.8		1850.2	1860	1899.8		
GSM 1 Tx slot	25.71	25.75	25.66	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	

Band	WCDMA II Ant1 DSI3				WCDMA IV Ant1 DSI3				WCDMA V Ant1 DSI3				
	9262	9400	9538	Tune-up Limit (dBm)	1312	1413	1513	Tune-up Limit (dBm)	4132	4182	4233	Tune-up Limit (dBm)	
TX Channel	9262	9400	9538			1312	1413		1513		4132		4182
Rx Channel	9662	9800	9938		1537	1638	1738		4357	4407	4458		
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6		
3GPP Rel 99	AMR 12.2Kbps	18.48	18.58	18.57	20.00	18.99	19.11	18.98	20.50	22.86	22.91	22.88	24.50
3GPP Rel 99	RMC 12.2Kbps	18.65	18.66	18.62	20.00	19.08	19.16	19.10	20.50	22.94	23.03	22.98	24.50
3GPP Rel 6	HSPA 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	HSPA Subtest-2	17.65	17.44	17.31	19.00	18.27	18.31	18.35	19.50	22.28	22.20	22.17	23.50
3GPP Rel 6	HSPA 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	HSPA Subtest-4	16.99	17.23	16.85	18.50	18.09	18.31	18.20	19.00	22.34	22.27	22.04	23.00
3GPP Rel 8	DC-HSDPA Subtest-1	17.67	17.48	17.60	19.00	18.35	18.15	18.35	19.50	21.93	22.05	22.29	23.50
3GPP Rel 8	DC-HSDPA Subtest-2	17.30	17.73	17.52	19.00	18.39	18.47	18.20	19.50	22.20	22.19	22.09	23.50
3GPP Rel 8	DC-HSDPA Subtest-3	17.21	17.21	17.09	18.50	17.64	18.02	17.92	19.00	21.46	21.69	21.60	23.00
3GPP Rel 8	DC-HSDPA Subtest-4	16.97	17.23	16.94	18.50	17.65	17.86	17.67	19.00	21.61	21.55	21.52	23.00
3GPP Rel 6	HSPA Subtest-1	17.37	17.57	17.70	19.00	18.15	18.17	18.28	19.50	21.87	22.14	22.20	23.50
3GPP Rel 6	HSPA Subtest-2	15.85	15.66	15.45	17.00	16.33	16.45	16.10	17.50	20.12	20.17	20.18	21.50
3GPP Rel 6	HSPA Subtest-3	16.61	16.89	16.40	18.00	17.23	17.28	17.20	18.50	20.96	21.13	21.23	22.50
3GPP Rel 6	HSPA Subtest-4	15.30	15.55	15.36	17.00	16.21	16.28	16.17	17.50	20.25	20.24	20.16	21.50
3GPP Rel 6	HSPA Subtest-5	17.55	17.85	17.77	19.00	18.15	18.04	18.36	19.50	22.12	22.06	22.15	23.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	15.13	15.25	15.14	16.50	15.79	15.68	15.81	17.00	19.72	19.64	19.63	21.00

Band 7 Ant2 Default power								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350	24.5	0
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	23.32	23.48	23.37	23.5	1
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	24.5	0
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	23.24	23.45	23.29	23.5	1
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	21.5	3
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	23.5	1
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	24.5	0
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	23.29	23.38	23.35	23.5	1
5	QPSK	1	12	23.29	23.22	23.26		
5	QPSK	1	24	23.19	23.35	23.42		
5	QPSK	12	0	22.31	22.55	22.36	23.5	1
5	QPSK	12	7	22.33	22.37	22.41		
5	QPSK	12	13	22.24	22.33	22.35		
5	QPSK	25	0	22.18	22.46	22.36	23.5	1
5	16QAM	1	0	22.55	22.45	22.54		
5	16QAM	1	12	22.45	22.34	22.54		
5	16QAM	1	24	22.32	22.43	22.33	22.5	2
5	16QAM	12	0	21.46	21.52	21.42		
5	16QAM	12	7	21.35	21.49	21.36		
5	16QAM	12	13	21.30	21.36	21.37	22.5	2
5	16QAM	25	0	21.41	21.33	21.30		
5	64QAM	1	0	21.51	21.42	21.47		
5	64QAM	1	12	21.22	21.43	21.26	21.5	3
5	64QAM	1	24	21.33	21.24	21.31		
5	64QAM	12	0	20.54	20.77	20.63		
5	64QAM	12	7	20.41	20.48	20.45	21.5	3
5	64QAM	12	13	20.57	20.43	20.46		
5	64QAM	25	0	20.33	20.29	20.38		



GSM850 Ant4 Default power

GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	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 slot	30.46	30.61	30.52	31.00	24.46	24.61	24.52	25.00
GPRS 3 Tx slot	29.23	29.26	29.19	29.50	24.97	25.00	24.93	25.24
GPRS 4 Tx slot	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 slot	25.03	25.07	24.95	25.50	19.03	19.07	18.95	19.50
EDGE 3 Tx slot	23.11	23.04	22.85	24.00	18.85	18.78	18.59	19.74
EDGE 4 Tx slot	21.98	21.92	21.76	22.50	18.98	18.92	18.76	19.50

GSM1900 Ant4 Default power

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	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 slot	26.04	26.22	26.03	27.50	20.04	20.22	20.03	21.50
GPRS 3 Tx slot	24.22	24.21	24.21	26.00	19.96	19.95	19.95	21.74
GPRS 4 Tx slot	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 slot	23.09	23.14	23.14	24.50	17.09	17.14	17.14	18.50
EDGE 3 Tx slot	21.87	21.98	21.86	23.00	17.81	17.70	17.60	18.74
EDGE 4 Tx slot	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)	
	9262	9400	9538		1312	1413	1513		4132	4182	4233		
TX Channel	9662	9800	9938		1537	1638	1738		4357	4407	4458		
Rx Channel	9524	9660	9796		1724	1823	1923		4294	4344	4395		
Frequency (MHz)	1552.4	1560	1567.6		1724	1823	1923		4294	4344	4395		
3GPP Rel 99	AMR 12.2Kbps	23.98	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	25.00	24.28	24.31	24.29	25.50
3GPP Rel 6	HSDPA Subtest-1	23.13	23.02	22.90	24.00	22.90	22.83	22.70	24.00	23.24	23.48	23.33	24.50
3GPP Rel 6	HSDPA Subtest-2	22.94	22.96	22.98	24.00	22.86	22.84	22.83	24.00	23.24	23.18	23.47	24.50
3GPP Rel 6	HSDPA Subtest-3	22.86	22.53	22.57	23.50	22.39	22.20	22.36	23.50	22.89	22.90	22.89	24.00
3GPP Rel 6	HSDPA Subtest-4	22.60	22.75	22.60	23.50	22.17	22.29	22.20	23.50	22.80	22.68	22.80	24.00
3GPP Rel 6	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	22.86	22.84	24.00
3GPP Rel 6	HSUPA Subtest-1	22.88	23.21	22.97	24.00	22.93	22.74	22.74	24.00	23.26	23.24	23.35	24.50
3GPP Rel 6	HSUPA Subtest-2	20.96	21.11	21.20	22.00	20.80	20.86	20.93	22.00	21.18	21.25	21.31	22.50
3GPP Rel 6	HSUPA Subtest-3	21.93	22.12	21.93	23.00	21.80	21.89	21.67	23.00	22.31	22.32	22.27	23.50
3GPP Rel 6	HSUPA Subtest-4	21.13	21.21	21.15	22.00	20.88	20.90	20.72	22.00	21.35	21.43	21.34	22.50
3GPP Rel 6	HSUPA Subtest-5	23.00	23.13	23.06	24.00	22.68	23.01	22.89	24.00	23.12	23.29	23.43	24.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.45	20.52	20.55	21.50	20.36	20.38	20.35	21.50	20.87	20.87	20.90	22.00



Reduced power level for WWAN DSI4

GSM850 Ant1 Default power

GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	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 DSI4

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1860	1899.8		1850.2	1860	1899.8	
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		
Rx Channel	9662	9800	9938		1537	1638	1738		4357	4407	4458		
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6		
3GPP Rel 99	AMR 12.2Kbps	18.48	18.58	18.57	20.00	18.99	19.11	18.98	20.50	22.86	22.91	22.88	24.50
3GPP Rel 99	RVC 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	HSPA 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	HSPA Subtest-2	17.65	17.44	17.31	19.00	18.27	18.31	18.35	19.50	22.28	22.20	22.17	23.50
3GPP Rel 6	HSDPA Subtest-3	16.98	17.23	17.02	18.50	17.79	17.97	17.75	19.00	21.38	21.66	21.68	23.00
3GPP Rel 6	HSDPA Subtest-4	16.99	17.23	16.85	18.50	18.09	18.31	18.20	19.00	22.34	22.27	22.04	23.00
3GPP Rel 8	DC-HSDPA Subtest-1	17.67	17.48	17.60	19.00	18.35	18.15	18.35	19.50	21.93	22.05	22.29	23.50
3GPP Rel 8	DC-HSDPA Subtest-2	17.30	17.73	17.52	19.00	18.39	18.47	18.20	19.50	22.20	22.19	22.09	23.50
3GPP Rel 8	DC-HSDPA Subtest-3	17.21	17.21	17.09	18.50	17.64	18.02	17.92	19.00	21.46	21.69	21.60	23.00
3GPP Rel 8	DC-HSDPA Subtest-4	16.97	17.23	16.94	18.50	17.65	17.86	17.67	19.00	21.61	21.55	21.52	23.00
3GPP Rel 6	HSPA Subtest-1	17.37	17.57	17.70	19.00	18.15	18.17	18.28	19.50	21.87	22.14	22.20	23.50
3GPP Rel 6	HSPA Subtest-2	15.85	15.66	15.45	17.00	16.33	16.45	16.10	17.50	20.12	20.17	20.18	21.50
3GPP Rel 6	HSPA Subtest-3	16.51	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	HSPA Subtest-4	15.30	15.55	15.36	17.00	16.21	16.28	16.17	17.50	20.25	20.24	20.16	21.50
3GPP Rel 6	HSPA Subtest-5	17.55	17.85	17.77	19.00	18.15	18.04	18.36	19.50	22.12	22.06	22.15	23.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	15.13	15.25	15.14	16.50	15.79	15.68	15.81	17.00	19.72	19.64	19.63	21.00

Band 7 Ant2 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	16.5	0	
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	16.5	0	
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	16.5	0	
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	16.5	0	
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	16.5	0	
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	16.5	0	
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	16.5	0	
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	16.5	0	
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	16.5	0	
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	16.5	0	
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	14.88	15.02	14.78			
5	16QAM	1	12	15.00	15.04	15.02			
5	16QAM	1	24	14.88	14.89	15.02	16.5	0	
5	16QAM	12	0	14.88	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	16.5	0	
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			

GSM850 AnH4 DS4

GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.47	32.68	32.53	33.00	23.47	23.88	23.53	24.00
GPRS 1 Tx slot	32.54	32.59	32.47	33.00	23.54	23.59	23.47	24.00
GPRS 2 Tx slots	30.07	30.15	30.01	30.50	24.07	24.15	24.01	24.50
GPRS 3 Tx slots	28.76	28.85	28.75	29.00	24.50	24.59	24.49	24.74
GPRS 4 Tx slots	27.25	27.33	27.11	27.50	24.25	24.33	24.11	24.50
EDGE 1 Tx slot	27.20	27.33	27.15	28.00	18.20	18.33	18.15	19.00
EDGE 2 Tx slots	24.74	24.78	24.76	25.00	18.74	18.78	18.76	19.00
EDGE 3 Tx slots	22.68	22.79	22.72	23.50	18.43	18.53	18.46	19.24
EDGE 4 Tx slots	21.55	21.67	21.55	22.00	18.55	18.67	18.55	19.00

GSM1900 AnH4 DS4

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1860	1904.8		1850.2	1860	1904.8	
GSM 1 Tx slot	27.32	27.41	27.30	27.50	18.32	18.41	18.30	18.50
GPRS 1 Tx slot	27.33	27.45	27.24	27.50	18.33	18.45	18.24	18.50
GPRS 2 Tx slots	24.22	24.42	24.30	24.50	18.22	18.42	18.30	18.50
GPRS 3 Tx slots	22.35	22.43	22.45	23.00	18.09	18.17	18.19	18.74
GPRS 4 Tx slots	21.26	21.33	21.35	21.50	18.26	18.33	18.35	18.50
EDGE 1 Tx slot	23.48	23.62	23.49	24.50	14.48	14.62	14.49	15.50
EDGE 2 Tx slots	20.28	20.34	20.21	21.50	14.28	14.34	14.21	15.50
EDGE 3 Tx slots	18.23	18.25	18.07	20.00	13.97	13.99	13.81	15.74
EDGE 4 Tx slots	17.12	17.21	17.16	18.50	14.12	14.21	14.16	15.50

WCDMA II AnH4 DS4

WCDMA IV AnH4 DS4

WCDMA V AnH4 Default power

Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			WCDMA V			Tune-up Limit (dBm)		
	9262	9400	9538		1312	1413	1513	4132	4182	4233			
Rx Channel	9662	9800	9938		1537	1638	1738	4357	4407	4458			
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6	826.4	836.4	846.6			
3GPP Rel 99	AMR 12.2Kbps	19.48	19.62	19.55	20.50	18.64	18.74	18.61	20.00	24.08	24.22	24.15	25.50
3GPP Rel 99	RMC 12.2Kbps	19.55	19.69	19.58	20.50	18.73	18.81	18.69	20.00	24.28	24.31	24.29	25.50
3GPP Rel 6	HSDPA Subtest-1	18.58	18.83	18.68	19.50	17.60	17.76	17.82	19.00	22.25	22.27	22.10	23.50
3GPP Rel 6	HSDPA Subtest-2	18.71	18.85	18.51	19.50	17.87	17.83	17.56	19.00	22.29	22.28	22.12	23.50
3GPP Rel 6	HSDPA Subtest-3	18.04	18.29	18.29	19.00	17.33	17.41	17.24	18.50	21.70	21.74	21.66	23.00
3GPP Rel 6	HSDPA Subtest-4	18.72	18.68	18.67	19.00	17.76	17.92	17.80	18.50	22.45	22.46	22.07	23.00
3GPP Rel 8	DC-HSDPA Subtest-1	18.66	18.81	18.83	19.50	17.69	17.90	17.83	19.00	22.15	22.15	22.26	22.50
3GPP Rel 8	DC-HSDPA Subtest-2	18.60	18.76	18.57	19.50	17.85	17.79	17.71	19.00	22.19	22.28	21.94	22.50
3GPP Rel 8	DC-HSDPA Subtest-3	18.07	18.21	18.25	19.00	17.38	17.34	17.37	18.50	21.54	21.75	21.86	22.00
3GPP Rel 8	DC-HSDPA Subtest-4	18.10	18.44	18.10	19.00	17.46	17.46	17.30	18.50	21.78	21.68	21.74	22.00
3GPP Rel 6	HSUPA Subtest-1	18.49	18.66	18.78	19.50	17.72	17.94	17.90	19.00	23.26	23.24	23.35	24.50
3GPP Rel 6	HSUPA Subtest-2	16.78	16.69	16.64	17.50	15.85	15.92	15.63	17.00	21.18	21.25	21.31	22.50
3GPP Rel 6	HSUPA Subtest-3	17.53	17.75	17.78	18.50	16.74	16.98	16.74	18.00	22.31	22.32	22.27	23.50
3GPP Rel 6	HSUPA Subtest-4	16.82	16.80	16.58	17.50	15.97	15.82	15.75	17.00	21.35	21.43	21.34	22.50
3GPP Rel 6	HSUPA Subtest-5	18.61	18.78	18.77	19.50	17.71	17.83	17.73	19.00	23.12	23.29	23.43	24.50
3GPP Rel 7	HSPA+ (H2AM) Subtest-1	16.08	16.30	16.08	17.00	15.24	15.23	15.15	18.50	20.87	20.87	20.90	22.00



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 Band	Ant	BW	UL	Mod.	UL#	UL	DL Antenna Configuration	LTE Band	BW	DL	DL Antenna Configuration	With CA Tx. Power (dBm)	Without CA Tx. Power (dBm)			
			(MHz)	Freq. (MHz)		Channel	RB			RB Offset	(MHz)				Channel		
	Band		(MHz)	(MHz)		RB	Offset		(MHz)								
CA_2C	Band 2	Ant1	20M	1880	1880Q	1	0		Band 2	20M	1979.8	1098	23.55	23.73			
	Band 2	Ant4	20M	1880	1880Q	1	0		Band 2	20M	1979.8	1098	24.11	24.26			
CA_2A-4A	Band 2	Ant1	20M	1880	1880Q	1	0		Band 4	20M	2132.5	2175	23.63	23.73			
	Band 2	Ant4	20M	1880	1880Q	1	0		Band 4	20M	2132.5	2175	24.22	24.26			
	Band 4	Ant1	20M	2132.5	20175	1	0		Band 2	20M	1980	900	23.42	23.55			
	Band 4	Ant4	20M	2132.5	20175	1	0		Band 2	20M	1980	900	23.92	24.14			
CA_2A_5A	Band 2	Ant1	20M	1880	1880Q	1	0		Band 5	10M	881.5	2525	23.67	23.73			
	Band 2	Ant4	20M	1880	1880Q	1	0		Band 5	10M	881.5	2525	24.16	24.26			
	Band 5	Ant1	10M	838.5	20525	1	0		Band 2	20M	1980	900	23.81	23.99			
	Band 5	Ant4	10M	838.5	20525	1	0		Band 2	20M	1980	900	24.03	24.24			
CA_2A-7A	Band 2	Ant1	20M	1880	1880Q	1	0		Band 7	20M	2655	3100	4x4MIMO	23.63	23.73		
	Band 2	Ant4	20M	1880	1880Q	1	0		Band 7	20M	2655	3100	4x4MIMO	24.03	24.26		
	Band 7	Ant1	20M	2535	21100	1	0	4x4MIMO	Band 2	20M	1980	900	23.91	24.09			
	Band 7	Ant4	20M	2535	21100	1	0	4x4MIMO	Band 2	20M	1980	900	23.63	23.85			
CA_4A-5A	Band 4	Ant1	20M	2132.5	20175	1	0		Band 5	10M	881.5	2525	23.36	23.55			
	Band 4	Ant4	20M	2132.5	20175	1	0		Band 5	10M	881.5	2525	24.01	24.14			
	Band 5	Ant1	10M	838.5	20525	1	0		Band 4	20M	2132.5	2175	23.90	23.99			
	Band 5	Ant4	10M	838.5	20525	1	0		Band 4	20M	2132.5	2175	24.02	24.24			
CA_4A-7A	Band 4	Ant1	20M	1732.5	20175	1	0		Band 7	20M	2655	3100	4x4MIMO	23.34	23.55		
	Band 4	Ant4	20M	1732.5	20175	1	0		Band 7	20M	2655	3100	4x4MIMO	24.10	24.14		
	Band 7	Ant1	20M	2535	21100	1	0	4x4MIMO	Band 4	20M	2132.5	2175	23.94	24.09			
	Band 7	Ant4	20M	2535	21100	1	0	4x4MIMO	Band 4	20M	2132.5	2175	23.64	23.85			
CA_5A-7A	Band 5	Ant1	10M	838.5	20525	1	0		Band 7	20M	2655	3100	4x4MIMO	23.83	23.99		
	Band 5	Ant4	10M	838.5	20525	1	0		Band 7	20M	2655	3100	4x4MIMO	24.13	24.24		
	Band 7	Ant1	20M	2535	21100	1	0	4x4MIMO	Band 5	10M	881.5	2525	24.04	24.09			
	Band 7	Ant4	20M	2535	21100	1	0	4x4MIMO	Band 5	10M	881.5	2525	23.69	23.85			
CA_7C	Band 7	Ant1	20M	2535	21100	1	0	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	24.02	24.09		
	Band 7	Ant4	20M	2535	21100	1	0	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	23.81	23.85		
CA_7A-7A	Band 7	Ant1	20M	2535	21100	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	23.89	24.09		
	Band 7	Ant4	20M	2535	21100	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	23.66	23.85		
CA_38C	Band 38	Ant1	20M	2595	38000	1	0	4x4MIMO	Band 38	20M	2614.8	38198	4x4MIMO	24.02	24.05		
	Band 38	Ant4	20M	2595	38000	1	0	4x4MIMO	Band 38	20M	2614.8	38198	4x4MIMO	23.76	23.86		
CA_41C	Band 41	Ant1	20M	2593	40620	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	23.95	24.12		
	Band 41	Ant4	20M	2593	40620	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	23.91	23.96		
CA_41A-41A	Band 41	Ant1	20M	2593	40620	1	0	4x4MIMO	Band 41	5M	2687.5	41565	4x4MIMO	23.98	24.12		
	Band 41	Ant4	20M	2593	40620	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			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				166500	167300	167800		
Frequency (MHz)				834	836.5	838		
20	PI/2 BPSK	1	1	23.96	24.00	24.02	25.5	0.0
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	23.87	25.0	0.5
20	PI/2 BPSK	50	28	23.82	24.00	23.99	25.5	0.0
20	PI/2 BPSK	50	56	23.36	23.96	23.52	25.0	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	25.5	0.0
20	QPSK	1	104	23.89	23.76	23.78	24.5	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	22.84	23.08	23.04	24.5	1.0
20	QPSK	100	0	23.12	23.13	23.05	24.5	1.0
20	16QAM	1	1	22.62	22.63	22.52		
20	64QAM	1	1	21.03	21.20	21.10		
20	256QAM	1	1	19.78	19.77	19.73	21.0	4.5
Channel				166300	167300	168300	Tune-up limit	MPR
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.79	23.99	23.50	25.5	0.0
Channel				165600	167300	168300	Tune-up limit	MPR
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.87	24.00	23.86	25.5	0.0
Channel				165300	167300	169300	Tune-up limit	MPR
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	23.67	23.91	23.96	25.5	0.0

n7 Ant1 Default power								
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				502000	507600	512600		
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	24.06	24.16	24.19	25.5	0.0
20	PI/2 BPSK	1	53	24.03	24.19	23.99		
20	PI/2 BPSK	1	104	23.98	23.99	23.92		
20	PI/2 BPSK	50	0	23.70	23.75	23.61	25.0	0.5
20	PI/2 BPSK	50	28	24.21	24.24	24.14	25.5	0.0
20	PI/2 BPSK	50	56	23.66	23.69	23.76	25.0	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	25.5	0.0
20	QPSK	1	104	23.93	23.96	23.89	24.5	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	24.5	1.0
20	QPSK	100	0	23.22	23.29	23.28	24.5	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	21.0	4.5
Channel				501500	507000	512500	Tune-up limit	MPR
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	24.01	24.10	23.84	25.5	0.0
Channel				501000	507600	513000	Tune-up limit	MPR
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	23.95	24.05	23.94	25.5	0.0
Channel				500500	507000	513500	Tune-up limit	MPR
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	23.83	24.19	23.77	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				515000	519000	523000		
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1	23.65	23.86	23.71		
20	PI/2 BPSK	1	53	23.67	23.86	23.70	25.5	0.0
20	PI/2 BPSK	1	104	23.69	23.81	23.59		
20	PI/2 BPSK	50	0	23.26	23.29	23.11	25.0	0.5
20	PI/2 BPSK	50	28	23.33	23.19	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	28	23.70	23.79	23.64	25.5	0.0
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	21.38	21.25	23.0	2.5
20	256QAM	1	1	19.81	19.97	19.83	21.0	4.5
Channel				515502	519500	52498		
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	519500	523998		
Frequency (MHz)				2575.02	2595	2614.98		
10	PI/2 BPSK	1	1	23.85	23.81	23.74	25.5	0.0
Channel				515500	519500	523000		
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		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	22.73	22.84	22.56		
50	PI/2 BPSK	1	135	23.29	23.47	23.42	24.5	0.0
50	PI/2 BPSK	1	268	22.54	22.71	22.56		
50	PI/2 BPSK	135	0	23.35	23.44	23.28	24.5	0.0
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	24.5	0.0
50	PI/2 BPSK	270	0	23.35	23.38	23.19		
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	22.53	22.46		
50	QPSK	135	0	23.29	23.16	23.14	24.5	0.0
50	QPSK	135	68	23.54	23.50	23.51	24.5	0.0
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	22.48	24.5	0.0
50	64QAM	k	1	22.40	22.45	22.43	23.0	1.5
50	256QAM	1	1	20.45	20.37	20.38	21.0	3.5
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	23.41	23.44	23.33	24.5	0.0
Channel				503204	518598	533998		
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		
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	19	23.96	23.51	23.24	24.5	0.0
Channel				502002	518598	537000		
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		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	23.33	23.48	23.29		
50	PI/2 BPSK	1	135	24.37	24.42	24.16	26.0	0.0
50	PI/2 BPSK	1	268	23.32	23.40	23.40		
50	PI/2 BPSK	135	0	24.16	24.37	24.17	25.5	0.5
50	PI/2 BPSK	135	68	24.52	24.59	24.50	26.0	0.0
50	PI/2 BPSK	135	135	24.19	24.37	24.39	25.5	0.5
50	PI/2 BPSK	270	0	24.19	24.22	24.15		
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	26.0	0.0
50	QPSK	135	135	23.56	23.76	23.52	25.0	1.0
50	QPSK	270	0	23.50	23.65	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	23.5	2.5
50	256QAM	1	1	20.70	20.76	20.62	21.5	4.5
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	24.55	24.56	24.52	26.0	0.0
Channel				503204	518598	533998		
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		
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	19	24.57	24.57	24.55	26.0	0.0
Channel				502002	518598	537000		
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

Channel	502600	507000	512300	Tune-up limit (dBm)	MPR (dB)			
Channel	502600	507000	512300					
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	24.5	0.5
20	PI/2 BPSK	50	23	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		
20	QPSK	1	53	23.21	23.24	23.03	25.0	0.0
20	QPSK	1	104	23.19	23.07	23.16		
20	QPSK	50	0	22.10	22.27	22.16	24.0	1.0
20	QPSK	50	28	23.17	23.27	23.12	25.0	0.0
20	QPSK	50	56	22.37	22.42	22.31	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	20.67	20.63	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)			
Channel	501500	507000	512500					
Frequency (MHz)	2507.5	2535	2562.5					
15	QPSK	1	1	23.18	23.31	23.22	25.0	0.0
Channel	501500	507000	513500	Tune-up limit (dBm)	MPR (dB)			
Channel	501500	507000	513500					
Frequency (MHz)	2505	2535	2565					
10	QPSK	1	1	23.16	23.34	23.21	25.0	0.0
Channel	506500	507000	513500	Tune-up limit (dBm)	MPR (dB)			
Channel	506500	507000	513500					
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.	MPR (dB)
Channel				516500	519000	522000	
Frequency (MHz)				2550	2595	2610	
20	PI/2 BPSK	1	1	23.09	23.17	23.16	
20	PI/2 BPSK	1	53	23.08	23.12	23.09	25.0
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
20	PI/2 BPSK	50	28	23.17	23.14	23.05	25.0
20	PI/2 BPSK	50	56	22.60	22.63	22.67	
20	PI/2 BPSK	100	0	22.66	22.65	22.59	24.5
20	QPSK	1	1	23.12	23.25	23.17	
20	QPSK	1	53	23.13	23.17	23.20	25.0
20	QPSK	1	104	23.08	23.10	23.09	
20	QPSK	50	0	22.13	22.20	22.08	24.0
20	QPSK	50	28	23.12	23.14	23.07	25.0
20	QPSK	50	56	22.26	22.25	22.18	24.0
20	QPSK	100	0	22.27	22.26	22.27	
20	16QAM	1	1	22.26	22.48	22.43	24.0
20	64QAM	1	1	20.75	20.70	20.75	22.5
20	256QAM	1	1	18.79	18.84	18.70	20.5
Channel				515502	519000	522498	
Frequency (MHz)				2577.51	2595	2612.49	
15	PI/2 BPSK	1	1	23.15	23.17	23.10	25.0
Channel				515004	519000	522000	
Frequency (MHz)				2575.02	2595	2614.98	
10	PI/2 BPSK	1	1	23.17	23.19	23.09	25.0
Channel				515000	519000	523000	
Frequency (MHz)				2575	2595	2615	
5	QPSK	1	1	23.11	23.18	23.11	25.0

n41 PC3 Ant2 Default power							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				504204	516598	533998	
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	23.07	23.14	23.15	
50	PI/2 BPSK	1	135	23.07	23.07	23.14	25.0
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
50	PI/2 BPSK	135	69	23.12	23.08	23.16	25.0
50	PI/2 BPSK	135	135	23.15	23.15	23.11	
50	PI/2 BPSK	270	0	23.14	23.12	23.07	25.0
50	QPSK	1	1	23.15	23.10	23.18	
50	QPSK	1	135	23.15	23.19	23.13	25.0
50	QPSK	1	268	23.13	23.15	23.16	
50	QPSK	135	0	23.11	23.15	23.12	25.0
50	QPSK	135	68	23.16	23.17	23.13	25.0
50	QPSK	135	135	23.09	23.20	23.11	25.0
50	QPSK	270	0	23.09	23.10	23.08	
50	16QAM	1	1	23.10	23.14	23.11	25.0
50	64QAM	1	1	21.76	21.79	21.85	23.5
50	256QAM	1	1	19.70	19.66	19.68	21.5
Channel				503202	518598	534000	
Frequency (MHz)				2516.01	2592.99	2670	
40	QPSK	1	53	23.07	23.10	23.16	25.0
Channel				501204	516598	533998	
Frequency (MHz)				2506.02	2592.99	2670.99	
20	QPSK	1	26	23.08	23.11	23.12	25.0
Channel				500700	518598	534498	
Frequency (MHz)				2503.5	2592.99	2682.48	
15	QPSK	1	19	23.06	23.12	23.12	25.0
Channel				500202	516598	533000	
Frequency (MHz)				2501.01	2592.99	2685	
10	QPSK	1	12	23.09	23.09	23.17	25.0



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			
Frequency (MHz)				3725.01	3840	3955.02			
50	Pi/2 BPSK	1	1	22.52	22.68	22.61			
50	Pi/2 BPSK	1	135	23.37	23.45	23.40	24.0	0.0	
50	Pi/2 BPSK	1	268	22.53	22.67	22.68			
50	Pi/2 BPSK	135	0	23.15	23.30	23.26	24.0	0.0	
50	Pi/2 BPSK	135	68	23.35	23.18	23.40	24.0	0.0	
50	Pi/2 BPSK	135	135	23.17	23.33	23.25			
50	Pi/2 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	24.0	0.0	
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	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	19	23.33	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			
Frequency (MHz)				3725.01	3840	3955.02			
50	Pi/2 BPSK	1	1	25.10	25.10	25.06			
50	Pi/2 BPSK	1	135	25.31	25.35	25.23	27.0	0.0	
50	Pi/2 BPSK	1	268	24.88	24.96	24.83			
50	Pi/2 BPSK	135	0	25.31	25.50	25.34	26.5	0.5	
50	Pi/2 BPSK	135	68	25.42	25.46	25.38	27.0	0.0	
50	Pi/2 BPSK	135	135	25.38	25.44	25.39			
50	Pi/2 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	24.66	24.65	24.66	26.0	1.0	
50	QPSK	135	68	25.35	25.42	25.24	27.0	0.0	
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	23.16	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	664834	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			
Frequency (MHz)				3500.01					
50	Pi/2 BPSK	1	1			22.80			
50	Pi/2 BPSK	1	135			23.55	24.0	0.0	
50	Pi/2 BPSK	1	268			22.65			
50	Pi/2 BPSK	135	0			23.41			
50	Pi/2 BPSK	135	68			23.47	24.0	0.0	
50	Pi/2 BPSK	135	135			23.47			
50	Pi/2 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			22.60			
50	QPSK	135	0			23.51			
50	QPSK	135	68			23.52	24.0	0.0	
50	QPSK	135	135			23.47			
50	QPSK	270	0			23.50	24.0	0.0	
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				630558	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	633334	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	633334			
Frequency (MHz)				3500.01	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			26.5	0.5
50	PI/2 BPSK	270	0	25.35				
50	QPSK	1	1	25.09				
50	QPSK	1	135	25.46			27.0	0.0
50	QPSK	1	268	25.00				
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		
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	25.23	25.30	25.33	27.0	0.0
Channel				630958	633334	636000		
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26	25.24	25.31	25.34	27.0	0.0
Channel				630500	633334	636168		
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	25.20	25.31	25.30	27.0	0.0
Channel				630332	633334	636334		
Frequency (MHz)				3455.01	3500.01	3545.01		
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				660000	660000			
Frequency (MHz)				3750	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			24.0	0.0
50	PI/2 BPSK	270	0	23.28				
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		
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	53	23.27	23.17	23.31	24.0	0.0
Channel				647334	650000	652968		
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	26	23.27	23.16	23.31	24.0	0.0
Channel				647168	650000	652834		
Frequency (MHz)				3707.52	3750	3792.61		
15	QPSK	1	19	23.31	23.16	23.31	24.0	0.0
Channel				647000	650000	653000		
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	12	23.29	23.14	23.31	24.0	0.0

Part27O n78 PC2 Ant2 Default power

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000			
Frequency (MHz)				3750	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			26.5	0.5
50	PI/2 BPSK	270	0	24.96				
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		
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	53	25.33	25.18	25.30	27.0	0.0
Channel				647334	650000	652968		
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	26	25.34	25.18	25.30	27.0	0.0
Channel				647168	650000	652834		
Frequency (MHz)				3707.52	3750	3792.61		
15	QPSK	1	19	25.34	25.16	25.31	27.0	0.0
Channel				647000	650000	653000		
Frequency (MHz)				3705	3750	3795		
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				
Frequency (MHz)				3500.01				
50	PI/2 BPSK	1	1	22.38			24.0	0.0
50	PI/2 BPSK	1	135	23.20				
50	PI/2 BPSK	1	268	22.32				
50	PI/2 BPSK	135	0	23.17			24.0	0.0
50	PI/2 BPSK	135	68	23.20				
50	PI/2 BPSK	135	135	23.21				
50	PI/2 BPSK	270	0	23.19			24.0	0.0
50	QPSK	1	1	22.37				
50	QPSK	1	135	23.29				
50	QPSK	1	268	22.34			24.0	0.0
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			23.5	0.5
50	256QAM	1	1	20.84			21.5	2.5
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	23.18	23.17	23.19	24.0	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				630334	633334	636334	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	0.5
50	PI/2 BPSK	135	68	25.29				
50	PI/2 BPSK	135	135	24.93				
50	PI/2 BPSK	270	0	24.87			26.5	0.5
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				
50	QPSK	135	68	25.29				
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			24.5	2.5
50	256QAM	1	1	20.87			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	25.21	25.08	25.22	27.0	0.0
Channel				630568	633334	636200	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				630334	633334	636334	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 (dBm)	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	64QAM	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 (dBm)	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 (dBm)	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 (dBm)	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 (dBm)	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 (dBm)	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	25.20	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	25.61	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		
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	64QAM	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 (dBm)	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 (dBm)	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 (dBm)	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 (dBm)	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 (dBm)	MPR (dB)	
Channel				633334	633334	6350.01			
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		22.98		24.0	0.0	
50	64QAM	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 (dBm)	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 (dBm)	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 (dBm)	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				630334	633334	635334	Tune-up limit (dBm)	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			27.0	0.0
50	PI/2 BPSK	1	135	25.91				
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	25.28				
50	QPSK	135	0	25.29			27.0	0.0
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	84QAM	1	1	23.58			24.5	2.5
50	256QAM	1	1	21.63			22.5	4.5
Channel				631334	633334	635334		
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	26.12	26.19	26.19	27.0	0.0
Channel				630598	633334	636000		
Frequency (MHz)				3460.02	3500.01	3540.02		
20	QPSK	1	26	26.17	26.13	26.11	27.0	0.0
Channel				630500	633334	636168		
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	26.17	26.22	26.20	27.0	0.0
Channel				631334	633334	635334		
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				650000				
Frequency (MHz)				3750				
50	PI/2 BPSK	1	1	22.37			24.0	0.0
50	PI/2 BPSK	1	135	23.32				
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	84QAM	1	1	22.75			23.5	0.5
50	256QAM	1	1	20.87			21.5	2.5
Channel				648000	650000	652000		
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	53	23.13	23.35	23.32	24.0	0.0
Channel				647334	650000	652668		
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		
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	19	23.15	23.30	23.26	24.0	0.0
Channel				647000	650000	653000		
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			27.0	0.0
50	PI/2 BPSK	1	135	26.19				
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	84QAM	1	1	23.78			24.5	2.5
50	256QAM	1	1	21.98			22.5	4.5
Channel				648000	650000	652000		
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	53	26.03	26.20	26.10	27.0	0.0
Channel				647334	650000	652668		
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		
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		
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				
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			24.0	0.0
50	Pi/2 BPSK	135	68	23.34				
50	Pi/2 BPSK	135	135	23.18				
50	Pi/2 BPSK	270	0	23.23			24.0	0.0
50	QPSK	1	1	22.52				
50	QPSK	1	135	23.39			24.0	0.0
50	QPSK	1	268	22.43				
50	QPSK	135	0	23.32				
50	QPSK	135	68	23.33			24.0	0.0
50	QPSK	135	135	23.23				
50	QPSK	270	0	23.26			24.0	0.0
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				636668	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	633334	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				
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			26.5	0.5
50	Pi/2 BPSK	135	68	25.00			27.0	0.0
50	Pi/2 BPSK	135	135	25.70			26.5	0.5
50	Pi/2 BPSK	270	0	25.70				
50	QPSK	1	1	25.66				
50	QPSK	1	135	26.02			27.0	0.0
50	QPSK	1	268	25.61				
50	QPSK	135	0	25.22			27.0	0.0
50	QPSK	135	68	26.00			27.0	0.0
50	QPSK	135	135	25.23			27.0	0.0
50	QPSK	270	0	25.21				
50	16QAM	1	1	24.64			26.0	1.0
50	64QAM	1	1	23.67			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	25.88	27.0	0.0
Channel				636668	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	26.86	25.90	25.94	27.0	0.0
Channel				630334	633334	633334	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				16650	16700	16750		
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	25.5	0.0
20	PI/2 BPSK	1	104	23.55	23.78	23.64		
20	PI/2 BPSK	50	0	23.42	23.55	23.35	25.0	0.5
20	PI/2 BPSK	50	28	24.04	24.06	23.85	25.5	0.0
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	25.5	0.0
20	QPSK	1	104	23.71	23.93	23.53		
20	QPSK	50	0	22.79	23.10	22.95	24.5	1.0
20	QPSK	50	28	23.75	23.98	23.64	25.5	0.0
20	QPSK	50	56	23.12	23.10	23.09		
20	QPSK	100	0	23.13	23.15	23.12	24.5	1.0
20	16QAM	1	1	23.12	23.15	23.10	24.5	1.0
1	64QAM	1	1	21.65	21.68	21.65	23.0	2.5
20	256QAM	1	1	19.50	19.63	19.45	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	23.73	23.93	23.91	25.5	0.0
Channel				165900	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				820	836.5	844		
10	QPSK	1	1	23.77	23.97	23.89	25.5	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	23.89	23.90	23.84	25.5	0.0

n7 Ant4 Default power								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				50200	50700	51200		
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	0.0
20	PI/2 BPSK	1	104	24.30	24.49	24.11		
20	PI/2 BPSK	50	0	24.11	24.04	24.01	25.0	0.5
20	PI/2 BPSK	50	28	24.53	24.48	24.41	25.5	0.0
20	PI/2 BPSK	50	56	23.90	23.98	24.00		
20	PI/2 BPSK	100	0	24.03	24.19	24.03	25.0	0.5
20	QPSK	1	1	24.53	24.69	24.46		
20	QPSK	1	53	24.51	24.67	24.56	25.5	0.0
20	QPSK	1	104	24.39	24.60	24.31		
20	QPSK	50	0	23.43	23.98	23.49	24.5	1.0
20	QPSK	50	28	24.31	24.56	24.31	25.5	0.0
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	24.5	1.0
20	64QAM	1	1	22.08	22.09	21.93	23.0	2.5
20	256QAM	1	1	20.34	20.47	20.33	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	24.50	24.53	24.30	25.5	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	24.43	24.60	24.30	25.5	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	24.51	24.63	24.40	25.5	0.0



n38 Ant4 Default power

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				516000	519000	522000		
Frequency (MHz)				2550	2595	2610		
20	PI/2 BPSK	1	1	24.32	24.40	24.28		
20	PI/2 BPSK	1	53	24.44	24.44	24.33	25.5	0.0
20	PI/2 BPSK	1	104	24.34	24.36	24.33		
20	PI/2 BPSK	50	0	23.95	23.97	23.81	25.0	0.5
20	PI/2 BPSK	50	28	23.32	24.40	24.19	25.5	0.0
20	PI/2 BPSK	50	56	24.05	24.03	23.85	25.0	0.5
20	PI/2 BPSK	100	0	23.92	23.99	23.86		
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	25.5	0.0
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	23.0	2.5
20	256QAM	1	1	20.14	20.23	20.14	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	24.31	24.38	24.37	25.5	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
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 (dB)
Frequency (MHz)				2575	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		
Frequency (MHz)				2521.02	2592.99	2654.99		
50	PI/2 BPSK	1	1	23.28	23.27	23.05		
50	PI/2 BPSK	1	135	24.01	24.21	24.00	24.5	0.0
50	PI/2 BPSK	1	268	23.38	23.38	23.31		
50	PI/2 BPSK	135	0	23.94	24.04	23.83	24.0	0.5
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	24.0	0.5
50	PI/2 BPSK	270	0	24.04	24.16	23.84		
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	23.89	23.81	23.5	1.0
50	QPSK	135	68	24.09	24.28	24.14	24.5	0.0
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	22.94	23.05	23.09	22.0	2.5
50	256QAM	1	1	22.23	22.17	22.22	20.0	4.5
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
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 (dB)
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 (dB)
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 (dB)
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		
Frequency (MHz)				2521.02	2592.99	2654.99		
50	PI/2 BPSK	1	1	23.00	23.24	23.05		
50	PI/2 BPSK	1	135	24.45	24.59	24.56	26.0	0.0
50	PI/2 BPSK	1	268	23.86	23.83	23.80		
50	PI/2 BPSK	135	0	24.06	24.14	24.08	25.5	0.5
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	25.5	0.5
50	PI/2 BPSK	270	0	24.10	24.27	24.19		
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	26.0	0.0
50	QPSK	135	135	23.40	23.53	23.50	25.0	1.0
50	QPSK	270	0	23.26	23.49	23.32		
50	16QAM	1	1	23.29	23.46	23.43	26.0	1.0
50	64QAM	1	1	21.71	21.88	21.86	23.5	2.5
50	256QAM	1	1	20.08	20.08	19.87	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	24.52	24.58	24.53	26.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
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 (dB)
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 (dB)
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	663666		
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	22.20	24.0	0.0
50	QPSK	135	0	22.44	22.44	22.44	24.0	0.0
50	QPSK	135	68	22.39	22.47	22.42	24.0	0.0
50	QPSK	135	135	22.33	22.35	22.31	24.0	0.0
50	QPSK	270	0	22.30	22.37	22.27	24.0	0.0
50	16QAM	1	1	22.12	22.13	22.13	24.0	0.0
50	64QAM	1	1	22.24	22.20	22.21	24.0	0.0
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	24.0	0.0
40	QPSK	1	53	22.43	22.39	22.28	24.0	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02	24.0	0.0
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	24.0	0.0
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	24.0	0.0
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	633334	633334		
Frequency (MHz)				3500.01	3500.01	3500.01		
50	PI/2 BPSK	1	1	22.09	22.09	22.09	24.0	0.0
50	PI/2 BPSK	1	135	22.27	22.27	22.14		
50	PI/2 BPSK	1	268	22.23	22.22	22.22		
50	PI/2 BPSK	135	0	22.29	22.29	22.29	24.0	0.0
50	PI/2 BPSK	135	68	22.27	22.27	22.27		
50	PI/2 BPSK	135	135	22.26	22.26	22.26		
50	PI/2 BPSK	270	0	22.31	22.31	22.31	24.0	0.0
50	QPSK	1	1	22.13	22.13	22.13	24.0	0.0
50	QPSK	1	135	22.34	22.34	22.34	24.0	0.0
50	QPSK	1	268	22.13	22.13	22.13	24.0	0.0
50	QPSK	135	0	22.24	22.24	22.24	24.0	0.0
50	QPSK	135	68	22.29	22.29	22.29	24.0	0.0
50	QPSK	135	135	22.10	22.10	22.10	24.0	0.0
50	QPSK	270	0	22.29	22.29	22.29	24.0	0.0
50	16QAM	1	1	22.18	22.18	22.18	24.0	0.0
50	64QAM	1	1	22.15	22.15	22.15	24.0	0.0
50	256QAM	1	1	21.13	21.13	21.13	22.5	1.5
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	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	24.0	0.0
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	24.0	0.0
15	QPSK	1	19	22.32	22.28	22.26	24.0	0.0
Channel				630332	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01	24.0	0.0
10	QPSK	1	12	22.32	22.26	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				648334	650000	651666		
Frequency (MHz)				3726.01	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	22.06		
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		
50	16QAM	1	1	22.21	22.21	22.22		
50	64QAM	1	1	22.10	22.13	22.13	24.0	0.0
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	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	26	22.30	22.32	22.23	24.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	19	22.32	22.32	22.20	24.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	12	22.30	22.34	22.23	24.0	0.0

Part27Q 78 PC3 Ant5 Default power

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334	633334	633334		
Frequency (MHz)				3500.01				
50	PI/2 BPSK	1	1			22.13	24.0	0.0
50	PI/2 BPSK	1	135			22.24		
50	PI/2 BPSK	1	268			22.24		
50	PI/2 BPSK	135	0			22.19	24.0	0.0
50	PI/2 BPSK	135	68			22.18		
50	PI/2 BPSK	135	135			22.20		
50	PI/2 BPSK	270	0			22.18	24.0	0.0
50	QPSK	1	1			21.99		
50	QPSK	1	135			22.26		
50	QPSK	1	268			22.23	24.0	0.0
50	QPSK	135	0			22.21		
50	QPSK	135	68			22.24		
50	QPSK	135	135			22.09	24.0	0.0
50	QPSK	270	0			22.21		
50	16QAM	1	1			22.03		
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				630500	633334	636168	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				846334	666000	663968			
Frequency (MHz)				3725.01	3640	3555.02			
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	23.0	0.0	
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			
50	Pi/2 BPSK	270	0	22.36	22.35	22.30	23.0	0.0	
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	23.0	0.0	
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	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	53	22.28	22.34	22.37	23.0	0.0	
Channel				647334	666000	664968	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3640	3670.02			
20	QPSK	1	26	22.28	22.37	22.32	23.0	0.0	
Channel				647168	666000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	19	22.30	22.35	22.34	23.0	0.0	
Channel				647000	666000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
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	633334	633334			
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	23.0	0.0	
50	QPSK	1	1			21.09			
50	QPSK	1	135			21.29	23.0	0.0	
50	QPSK	1	268			21.08			
50	QPSK	135	0			21.19			
50	QPSK	135	68			21.24	23.0	0.0	
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			
40	QPSK	1	53	21.25	21.25	21.24	23.0	0.0	
Channel				630598	633334	636080	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
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			
15	QPSK	1	19	21.24	21.22	21.22	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	21.25	21.23	21.21	23.0	0.0	



Part27O 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				648334	650000	651688		
Frequency (MHz)				3726.01	3750	3775.02		
50	PI/2 BPSK	1	1	22.17				
50	PI/2 BPSK	1	135	22.21			23.0	0.0
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				
50	PI/2 BPSK	270	0	22.20			23.0	0.0
50	QPSK	1	1	22.08				
50	QPSK	1	135	22.32			23.0	0.0
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				
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	652666	Tune-up limit (dB)	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 (dB)	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 (dB)	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 Default power

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334	633334	633334		
Frequency (MHz)				3500.01				
50	PI/2 BPSK	1	1	21.02				
50	PI/2 BPSK	1	135	21.11			23.0	0.0
50	PI/2 BPSK	1	268	21.14				
50	PI/2 BPSK	135	0	21.10				
50	PI/2 BPSK	135	68	21.07			23.0	0.0
50	PI/2 BPSK	135	135	21.12				
50	PI/2 BPSK	270	0	21.10			23.0	0.0
50	QPSK	1	1	21.08				
50	QPSK	1	135	21.21			23.0	0.0
50	QPSK	1	268	21.15				
50	QPSK	135	0	21.09				
50	QPSK	135	68	21.19			23.0	0.0
50	QPSK	135	135	20.99				
50	QPSK	270	0	21.09			23.0	0.0
50	16QAM	1	1	20.92			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				630500	633334	636168	Tune-up limit (dB)	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 (dB)	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 (dB)	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	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	838		
20	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		
20	QPSK	1	26	23.83	24.04	23.98	25.5	0.0
20	QPSK	1	49	23.79	23.92	23.87		
20	QPSK	25	0	23.07	23.24	23.19		
20	QPSK	25	13	23.87	24.06	23.89	24.5	1.0
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	QPSK	1	1	22.81	22.91	22.76		
20	16QAM	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				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	23.60	25.5	0.0
Channel				165800	167300	168300	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)				2510	2535	2560		
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		
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	24.5	1.0
20	QPSK	25	26	23.52	23.54	23.51		
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	24.16	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	519000	520000		
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	23.87	23.77		
20	QPSK	25	0	22.96	23.04	22.83	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		
Frequency (MHz)				2577.51	2595	2612.49		
15	PI/2 BPSK	1	1	23.72	23.88	23.93	25.5	0.0
Channel				515304	519000	522996		
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				509202	518598	528000		
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	23.81	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	23.88	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	22.89	22.81		
100	QPSK	135	0	23.57	23.57	23.58	24.5	0.0
100	QPSK	135	69	23.90	23.92	23.88	24.5	0.0
100	QPSK	135	138	23.56	23.49	23.61		
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	518998	528996		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	23.65	23.62	23.43	24.5	0.0
Channel				507204	518598	528998		
Frequency (MHz)				2538.02	2592.99	2640.99		
80	QPSK	1	109	23.82	23.80	23.62	24.5	0.0
Channel				505200	518998	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	23.82	23.68	23.57	24.5	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	23.84	23.80	23.49	24.5	0.0
Channel				503202	518998	534000		
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		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	23.73	23.72	23.63	24.5	0.0
Channel				500700	518998	536496		
Frequency (MHz)				2503.75	2592.99	2682.48		
15	QPSK	1	19	23.75	23.74	23.61	24.5	0.0
Channel				500202	518998	537000		
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				509202	518598	528000		
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	24.68	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	23.69	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	518998	528996		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	24.49	24.58	24.25	26.0	0.0
Channel				507204	518598	528998		
Frequency (MHz)				2538.02	2592.99	2640.99		
80	QPSK	1	109	24.46	24.67	24.32	26.0	0.0
Channel				505200	518998	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	24.58	24.60	24.25	26.0	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	24.41	24.54	24.35	26.0	0.0
Channel				503202	518998	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	24.44	24.59	24.38	26.0	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	24.45	24.62	24.49	26.0	0.0
Channel				500700	518998	536496		
Frequency (MHz)				2503.75	2592.99	2682.48		
15	QPSK	1	19	24.53	24.54	24.21	25.0	0.0
Channel				500202	518998	537000		
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	12	24.61	24.50	24.46	26.0	0.0



n7 Ant2 Default power

BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				50200	50700	51200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	23.07	23.15	23.08	25.0	0.0
20	PI/2 BPSK	1	26	23.10	23.13	23.19		
20	PI/2 BPSK	1	49	23.02	23.04	23.01		
20	PI/2 BPSK	25	0	22.97	22.67	22.58		
20	PI/2 BPSK	25	13	23.12	23.16	23.04		
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	25.0	0.0
20	QPSK	1	26	23.16	23.20	23.01		
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	24.0	1.0
20	QPSK	50	0	22.34	22.35	22.30	24.0	1.0
20	16QAM	1	1	22.14	22.25	22.17	24.0	1.0
20	64QAM	1	1	20.62	20.54	20.56	22.5	2.5
20	256QAM	1	1	18.73	18.77	18.67	20.5	4.5
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	23.14	23.16	23.03	25.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	23.13	23.15	23.02	25.0	0.0



n38 Ant2 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				516500	518000	522000			
Frequency (MHz)				2550	2595	2610	Tune-up limit (dBm)	MPR (dB)	
20	PI/2 BPSK	1	1	23.01	23.04	23.12			
20	PI/2 BPSK	1	26	23.03	23.20	23.07	25.0	0.0	
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			
20	PI/2 BPSK	50	0	22.80	22.64	22.57	24.5	0.5	
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	24.0	1.0	
20	QPSK	25	13	23.07	23.11	23.02	25.0	0.0	
20	QPSK	25	26	22.20	22.20	22.14			
20	QPSK	50	0	22.22	22.24	22.20	24.0	1.0	
20	16QAM	1	1	22.22	22.41	22.41	24.0	1.0	
20	64QAM	1	1	20.72	20.87	20.76	22.5	2.5	
20	256QAM	1	1	18.75	18.79	18.66	20.5	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	23.08	23.12	23.04	25.0	0.0	
Channel				515504	518000	522396	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				506200	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640	Tune-up limit (dBm)	MPR (dB)	
100	PI/2 BPSK	1	1	23.03	23.08	23.12			
100	PI/2 BPSK	1	137	23.03	23.20	23.13	25.0	0.0	
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			
100	PI/2 BPSK	270	0	23.08	23.07	23.01	25.0	0.0	
100	QPSK	1	1	23.11	23.03	23.14			
100	QPSK	1	137	23.13	23.26	23.10	25.0	0.0	
100	QPSK	1	271	23.07	23.20	23.11			
100	QPSK	135	0	23.16	23.19	23.16	25.0	0.0	
100	QPSK	135	69	23.22	23.24	23.18	25.0	0.0	
100	QPSK	135	138	23.04	23.17	23.11	25.0	0.0	
100	QPSK	270	0	23.03	23.09	23.05			
100	16QAM	1	1	23.09	23.11	23.04	25.0	0.0	
100	64QAM	1	1	21.71	21.76	21.79	23.5	1.5	
100	256QAM	1	1	19.64	19.64	19.67	21.5	3.5	
Channel				508200	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	528996	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			
80	QPSK	1	81	23.05	23.10	23.08	25.0	0.0	
Channel				504204	518598	532992	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)				2510.01	2592.99	2670			
40	QPSK	1	53	23.05	23.10	23.06	25.0	0.0	
Channel				501204	518598	533996	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	2682.48			
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			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				65000	65000	66000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	22.59	22.67	22.60	24.0	0.0
100	PI/2 BPSK	1	137	23.55	23.62	23.57		
100	PI/2 BPSK	1	271	22.56	22.61	22.59		
100	PI/2 BPSK	135	0	23.34	23.49	23.44	24.0	0.0
100	PI/2 BPSK	135	69	23.54	23.37	23.59	24.0	0.0
100	PI/2 BPSK	135	138	23.34	23.53	23.44		
100	PI/2 BPSK	270	0	23.50	23.35	23.39	24.0	0.0
100	QPSK	1	1	22.67	22.62	22.58		
100	QPSK	1	137	23.66	23.72	23.62		
100	QPSK	1	271	22.64	22.60	22.59	24.0	0.0
100	QPSK	135	0	23.39	23.53	23.37	24.0	0.0
100	QPSK	135	69	23.38	23.57	23.41	24.0	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	24.0	0.0
100	16QAM	1	1	22.51	22.62	22.51	24.0	0.0
100	64QAM	1	1	23.12	23.15	23.14	23.5	0.5
100	256QAM	1	1	21.25	21.22	21.08	21.5	2.5
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	123	23.49	23.56	23.52	24.0	0.0
Channel				649334	650000	649668	Tune-up limit (dBm)	MPR
Frequency (MHz)				3740.01	3840	3840.02	(dBm)	(dB)
80	QPSK	1	109	23.49	23.54	23.53	24.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	81	23.50	23.54	23.51	24.0	0.0
Channel				648334	650000	648668	Tune-up limit (dBm)	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	67	23.52	23.55	23.53	24.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	53	23.49	23.53	23.50	24.0	0.0
Channel				647334	650000	648668	Tune-up limit (dBm)	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	26	23.51	23.54	23.51	24.0	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR
Frequency (MHz)				3707.52	3840	3972.51	(dBm)	(dB)
15	QPSK	1	19	23.52	23.56	23.50	24.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	QPSK	1	12	23.51	23.54	23.50	24.0	0.0

Par270 n77 PC2 Ant3 Default power

BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				65000	656000	660000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	25.10	25.16	25.14	27.0	0.0
100	PI/2 BPSK	1	137	25.48	25.54	25.41		
100	PI/2 BPSK	1	271	25.04	25.13	25.02		
100	PI/2 BPSK	135	0	25.50	25.67	25.53	26.5	0.5
100	PI/2 BPSK	135	69	25.60	25.66	25.58	27.0	0.0
100	PI/2 BPSK	135	138	25.57	25.60	25.56		
100	PI/2 BPSK	270	0	25.48	25.64	25.53	26.5	0.5
100	QPSK	1	1	25.12	25.05	24.89		
100	QPSK	1	137	25.61	25.71	25.67	27.0	0.0
100	QPSK	1	271	25.13	25.14	25.17		
100	QPSK	135	0	24.83	25.03	24.84	26.0	1.0
100	QPSK	135	69	25.55	25.62	25.43	27.0	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
100	64QAM	1	1	23.12	23.15	23.17	24.5	2.5
100	256QAM	1	1	21.11	21.13	21.07	22.5	4.5
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	123	25.49	25.61	25.56	27.0	0.0
Channel				649334	656000	662968	Tune-up limit (dBm)	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	109	25.47	25.61	25.56	27.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	81	25.51	25.61	25.55	27.0	0.0
Channel				648334	656000	663968	Tune-up limit (dBm)	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	67	25.49	25.61	25.56	27.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	53	25.49	25.61	25.54	27.0	0.0
Channel				647334	650000	648668	Tune-up limit (dBm)	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	26	25.51	25.63	25.56	27.0	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR
Frequency (MHz)				3707.52	3840	3972.51	(dBm)	(dB)
15	QPSK	1	19	25.49	25.64	25.54	27.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	QPSK	1	12	25.50	25.62	25.54	27.0	0.0

Part27Q n77 PC3 Ant3 Default power

BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				633000	633334	633668		
Frequency (MHz)				3890.01				
100	PI/2 BPSK	1	1	22.92			24.0	0.0
100	PI/2 BPSK	1	137	23.64				
100	PI/2 BPSK	1	271	22.74				
100	PI/2 BPSK	135	0	23.53			24.0	0.0
100	PI/2 BPSK	135	69	23.56			24.0	0.0
100	PI/2 BPSK	135	138	23.57			24.0	0.0
100	PI/2 BPSK	270	0	23.64				
100	QPSK	1	1	22.84				
100	QPSK	1	137	23.67			24.0	0.0
100	QPSK	1	271	22.66				
100	QPSK	135	0	23.61			24.0	0.0
100	QPSK	135	69	23.62			24.0	0.0
100	QPSK	135	138	23.55			24.0	0.0
100	QPSK	270	0	23.61				
100	16QAM	1	1	22.99			24.0	0.0
100	64QAM	1	1	23.15			23.5	0.5
100	256QAM	1	1	21.27			21.5	2.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	123	23.48	23.44	23.38	24.0	0.0
Channel				632968	633334	633000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	109	23.48	23.47	23.39	24.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	81	23.46	23.45	23.39	24.0	0.0
Channel				631868	633334	635000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	67	23.49	23.45	23.37	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	53	23.47	23.47	23.38	24.0	0.0
Channel				630968	633334	636000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	26	23.47	23.46	23.38	24.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)
15	QPSK	1	19	23.47	23.45	23.38	24.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
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								
Frequency (MHz)								
3500.01								
100	Pl/2 BPSK	1	1	25.12				
100	Pl/2 BPSK	1	137	25.47			27.0	0.0
100	Pl/2 BPSK	1	271	24.81				
100	Pl/2 BPSK	135	0	25.39			26.5	0.5
100	Pl/2 BPSK	135	69	25.47			27.0	0.0
100	Pl/2 BPSK	135	138	25.41			26.5	0.5
100	Pl/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				
100	QPSK	135	0	24.78			26.0	1.0
100	QPSK	135	69	25.50			27.0	0.0
100	QPSK	135	138	24.76			26.0	1.0
100	QPSK	270	0	24.96				
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								
Frequency (MHz)								
633000								
90	QPSK	1	123	25.32	25.39	25.42	27.0	0.0
Channel								
Frequency (MHz)								
3490.02								
80	QPSK	1	109	25.33	25.37	25.41	27.0	0.0
Channel								
Frequency (MHz)								
632000								
60	QPSK	1	81	25.33	25.38	25.41	27.0	0.0
Channel								
Frequency (MHz)								
631600								
50	QPSK	1	67	25.32	25.41	25.41	27.0	0.0
Channel								
Frequency (MHz)								
631334								
40	QPSK	1	53	25.34	25.41	25.43	27.0	0.0
Channel								
Frequency (MHz)								
630900								
20	QPSK	1	26	25.34	25.40	25.43	27.0	0.0
Channel								
Frequency (MHz)								
630500								
15	QPSK	1	19	25.34	25.40	25.41	27.0	0.0
Channel								
Frequency (MHz)								
630334								
10	QPSK	1	12	25.33	25.38	25.43	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								
Frequency (MHz)								
650000								
100	Pl/2 BPSK	1	1	22.58				
100	Pl/2 BPSK	1	137	23.42			24.0	0.0
100	Pl/2 BPSK	1	271	22.51				
100	Pl/2 BPSK	135	0	23.39			24.0	0.0
100	Pl/2 BPSK	135	69	23.44			24.0	0.0
100	Pl/2 BPSK	135	138	23.42			24.0	0.0
100	Pl/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				
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								
Frequency (MHz)								
649688								
90	QPSK	1	123	23.39	23.26	23.40	24.0	0.0
Channel								
Frequency (MHz)								
3740.01								
80	QPSK	1	109	23.37	23.25	23.41	24.0	0.0
Channel								
Frequency (MHz)								
648688								
60	QPSK	1	81	23.35	23.28	23.40	24.0	0.0
Channel								
Frequency (MHz)								
648334								
50	QPSK	1	67	23.37	23.27	23.43	24.0	0.0
Channel								
Frequency (MHz)								
648000								
40	QPSK	1	53	23.38	23.26	23.44	24.0	0.0
Channel								
Frequency (MHz)								
647334								
20	QPSK	1	26	23.38	23.25	23.42	24.0	0.0
Channel								
Frequency (MHz)								
647188								
15	QPSK	1	19	23.37	23.27	23.41	24.0	0.0
Channel								
Frequency (MHz)								
647000								
10	QPSK	1	12	23.37	23.26	23.41	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								
Frequency (MHz)								
650000								
100	Pl/2 BPSK	1	1	25.14				
100	Pl/2 BPSK	1	137	25.60			27.0	0.0
100	Pl/2 BPSK	1	271	25.07				
100	Pl/2 BPSK	135	0	25.30			26.5	0.5
100	Pl/2 BPSK	135	69	25.58			27.0	0.0
100	Pl/2 BPSK	135	138	25.23			26.5	0.5
100	Pl/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				
100	QPSK	135	0	25.33			26.0	1.0
100	QPSK	135	69	25.59			27.0	0.0
100	QPSK	135	138	24.65			26.0	1.0
100	QPSK	270	0	24.81				
100	16QAM	1	1	24.03			26.0	1.0
100	64QAM	1	1	23.14			24.5	2.5
100	256QAM	1	1	21.19			22.5	4.5
Channel								
Frequency (MHz)								
649688								
90	QPSK	1	123	25.52	25.37	25.49	27.0	0.0
Channel								
Frequency (MHz)								
3740.01								
80	QPSK	1	109	25.52	25.38	25.51	27.0	0.0
Channel								
Frequency (MHz)								
648688								
60	QPSK	1	81	25.52	25.37	25.48	27.0	0.0
Channel								
Frequency (MHz)								
648334								
50	QPSK	1	67	25.53	25.40	25.51	27.0	0.0
Channel								
Frequency (MHz)								
648000								
40	QPSK	1	53	25.51	25.38	25.52	27.0	0.0
Channel								
Frequency (MHz)								
647334								
20	QPSK	1	26	25.54	25.39	25.49	27.0	0.0
Channel								
Frequency (MHz)								
647188								
15	QPSK	1	19	25.53	25.38	25.50	27.0	0.0
Channel								
Frequency (MHz)								
647000								
10	QPSK	1	12	25.54	25.38	25.50	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					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		22.49				
100	PI/2 BPSK	1	137		23.31		24.0	0.0	
100	PI/2 BPSK	1	271		22.40				
100	PI/2 BPSK	135	0		23.29		24.0	0.0	
100	PI/2 BPSK	135	69		23.32				
100	PI/2 BPSK	135	138		23.31				
100	PI/2 BPSK	270	0		23.28		24.0	0.0	
100	QPSK	1	1		22.46				
100	QPSK	1	137		23.38		24.0	0.0	
100	QPSK	1	271		22.46				
100	QPSK	135	0		23.30		24.0	0.0	
100	QPSK	135	69		23.35		24.0	0.0	
100	QPSK	135	138		23.33				
100	QPSK	270	0		23.33		24.0	0.0	
100	16QAM	1	1		22.44		24.0	0.0	
100	64QAM	1	1		22.99		23.5	0.5	
100	256QAM	1	1		20.87		21.5	2.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	24.0	0.0	
90	QPSK	1	123		23.27	23.16	23.30	24.0	0.0
Channel				630550	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	24.0	0.0	
80	QPSK	1	109		23.30	23.15	23.30	24.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	24.0	0.0	
60	QPSK	1	81		23.30	23.16	23.30	24.0	0.0
Channel				631068	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	24.0	0.0	
50	QPSK	1	67		23.28	23.17	23.31	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	24.0	0.0	
40	QPSK	1	53		23.31	23.16	23.31	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	24.0	0.0	
20	QPSK	1	26		23.28	23.17	23.32	24.0	0.0
Channel				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		23.29	23.14	23.30	24.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01	24.0	0.0	
10	QPSK	1	12		23.27	23.17	23.31	24.0	0.0

Part27Q 78 PC2 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		22.49				
100	PI/2 BPSK	1	137		25.49		27.0	0.0	
100	PI/2 BPSK	1	271		24.98				
100	PI/2 BPSK	135	0		25.21		26.5	0.5	
100	PI/2 BPSK	135	69		25.48		27.0	0.0	
100	PI/2 BPSK	135	138		26.13				
100	PI/2 BPSK	270	0		25.07		26.5	0.5	
100	QPSK	1	1		25.13				
100	QPSK	1	137		25.56		27.0	0.0	
100	QPSK	1	271		25.05				
100	QPSK	135	0		25.24		26.0	1.0	
100	QPSK	135	69		25.48		27.0	0.0	
100	QPSK	135	138		24.56		26.0	1.0	
100	QPSK	270	0		24.70		26.0	1.0	
100	16QAM	1	1		23.94		24.5	2.5	
100	64QAM	1	1		23.14		24.5	2.5	
100	256QAM	1	1		21.09		22.5	4.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	27.0	0.0	
90	QPSK	1	123		25.41	25.29	25.40	27.0	0.0
Channel				630550	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	27.0	0.0	
80	QPSK	1	109		25.42	25.26	25.38	27.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	27.0	0.0	
60	QPSK	1	81		25.43	25.27	25.41	27.0	0.0
Channel				631068	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	27.0	0.0	
50	QPSK	1	67		25.43	25.29	25.37	27.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	27.0	0.0	
40	QPSK	1	53		25.42	25.25	25.37	27.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	27.0	0.0	
20	QPSK	1	26		25.42	25.27	25.39	27.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52	27.0	0.0	
15	QPSK	1	19		25.41	25.27	25.39	27.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01	27.0	0.0	
10	QPSK	1	12		25.43	25.26	25.40	27.0	0.0



Par270 n77 PC3 Ant3 Default power

BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low	Middle	High		
				Ch. / Freq.	Ch. / Freq.	Ch. / Freq.		
Channel								
Frequency (MHz)				650000	650000	662000		
				3750	3840	3930		
100	PI/2 BPSK	1	1	22.40	22.58	22.49		
100	PI/2 BPSK	1	137	23.45	23.53	23.46	24.0	0.0
100	PI/2 BPSK	1	271	22.35	22.52	22.49		
100	PI/2 BPSK	135	0	23.24	23.40	23.35	24.0	0.0
100	PI/2 BPSK	135	69	23.43	23.27	23.48	24.0	0.0
100	PI/2 BPSK	135	138	23.25	23.42	23.35		
100	PI/2 BPSK	270	0	23.40	23.44	23.29	24.0	0.0
100	QPSK	1	1	22.37	22.50	22.46		
100	QPSK	1	137	23.56	23.61	23.53	24.0	0.0
100	QPSK	1	271	22.31	22.49	22.37		
100	QPSK	135	0	23.27	23.43	23.28	24.0	0.0
100	QPSK	135	69	23.28	23.49	23.33	24.0	0.0
100	QPSK	135	138	23.35	23.37	23.20	24.0	0.0
100	QPSK	270	0	23.26	23.37	23.16		
100	16QAM	1	1	22.31	22.33	22.32	24.0	0.0
100	64QAM	1	1	22.81	22.86	22.83	23.5	0.5
100	256QAM	1	1	21.28	21.15	21.13	21.5	2.5
Channel								
Frequency (MHz)				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
				3745.02	3840	3935.01		
90	QPSK	1	123	22.95	23.26	23.05	24.0	0.0
Channel								
Frequency (MHz)				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
				3740.01	3840	3940.02		
80	QPSK	1	109	22.96	23.21	23.20	24.0	0.0
Channel								
Frequency (MHz)				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
				3730.02	3840	3950.01		
80	QPSK	1	81	22.90	23.11	23.22	24.0	0.0
Channel								
Frequency (MHz)				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
				3725.01	3840	3955.02		
50	QPSK	1	67	23.02	23.27	23.08	24.0	0.0
Channel								
Frequency (MHz)				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
				3720	3840	3960		
40	QPSK	1	53	23.11	23.11	23.05	24.0	0.0
Channel								
Frequency (MHz)				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
				3710.01	3840	3970.02		
20	QPSK	1	26	23.04	23.25	23.17	24.0	0.0
Channel								
Frequency (MHz)				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
				3707.52	3840	3972.51		
15	QPSK	1	19	23.05	23.11	23.22	24.0	0.0
Channel								
Frequency (MHz)				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
				3705	3840	3975		
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			Tune-up limit (dBm)	MPR (dB)
				Low	Middle	High		
				Ch. / Freq.	Ch. / Freq.	Ch. / Freq.		
Channel								
Frequency (MHz)				650000	650000	662000		
				3750	3840	3930		
100	PI/2 BPSK	1	1	25.58	25.67	25.63		
100	PI/2 BPSK	1	137	26.27	26.34	26.22	27.0	0.0
100	PI/2 BPSK	1	271	25.52	25.63	25.50		
100	PI/2 BPSK	135	0	26.32	26.48	26.35	26.5	0.5
100	PI/2 BPSK	135	69	26.39	26.47	26.38	27.0	0.0
100	PI/2 BPSK	135	138	26.37	26.40	26.37		
100	PI/2 BPSK	270	0	26.29	26.42	26.35	26.5	0.5
100	QPSK	1	1	25.72	25.84	25.70		
100	QPSK	1	137	26.39	26.50	26.48	27.0	0.0
100	QPSK	1	271	25.55	25.52	25.56		
100	QPSK	135	0	25.63	25.84	25.66	26.0	1.0
100	QPSK	135	69	26.33	26.44	26.24	27.0	0.0
100	QPSK	135	138	25.55	25.52	25.77	26.0	1.0
100	QPSK	270	0	25.68	25.69	25.59		
100	16QAM	1	1	25.55	25.58	25.58	26.0	1.0
100	64QAM	1	1	23.83	23.83	23.87	24.5	2.5
100	256QAM	1	1	21.91	21.94	21.86	22.5	4.5
Channel								
Frequency (MHz)				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
				3745.02	3840	3935.01		
90	QPSK	1	123	26.10	26.36	26.24	27.0	0.0
Channel								
Frequency (MHz)				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
				3740.01	3840	3940.02		
80	QPSK	1	109	26.21	26.41	26.22	27.0	0.0
Channel								
Frequency (MHz)				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
				3730.02	3840	3950.01		
60	QPSK	1	81	26.20	26.31	26.24	27.0	0.0
Channel								
Frequency (MHz)				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
				3725.01	3840	3955.02		
50	QPSK	1	67	26.13	26.39	26.26	27.0	0.0
Channel								
Frequency (MHz)				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
				3720	3840	3960		
40	QPSK	1	53	26.23	26.27	26.23	27.0	0.0
Channel								
Frequency (MHz)				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
				3710.01	3840	3970.02		
20	QPSK	1	26	26.11	26.38	26.19	27.0	0.0
Channel								
Frequency (MHz)				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
				3707.52	3840	3972.51		
15	QPSK	1	19	26.27	26.29	26.18	27.0	0.0
Channel								
Frequency (MHz)				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
				3705	3840	3975		
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			Tune-up limit (dBm)	MPR (dB)		
				Low	Middle	High				
				Ch. / Freq.	Ch. / Freq.	Ch. / Freq.				
Channel										
Frequency (MHz)				633000	633334	633668				
				3500.01						
100	PI/2 BPSK	1	1			22.73				
100	PI/2 BPSK	1	137			23.44	24.0	0.0		
100	PI/2 BPSK	1	271			22.53				
100	PI/2 BPSK	135	0			23.32	24.0	0.0		
100	PI/2 BPSK	135	69			23.37	24.0	0.0		
100	PI/2 BPSK	135	138			23.38				
100	PI/2 BPSK	270	0			23.46	24.0	0.0		
100	QPSK	1	1			22.65				
100	QPSK	1	137			23.50	24.0	0.0		
100	QPSK	1	271			22.49				
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				
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										
Frequency (MHz)				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)		
				3495	3500.01	3505.02				
90	QPSK	1	123			23.28	23.27	23.19	24.0	0.0
Channel										
Frequency (MHz)				632993	633334	634668	Tune-up limit (dBm)	MPR (dB)		
				3499.02	3500.01	3510				
80	QPSK	1	109			23.26	23.15	23.22	24.0	0.0
Channel										
Frequency (MHz)				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)		
				3480	3500.01	3520.02				
60	QPSK	1	81			23.22	23.26	23.28	24.0	0.0
Channel										
Frequency (MHz)				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)		
				3475.02	3500.01	3525				
50	QPSK	1	67			23.17	23.16	23.15	24.0	0.0
Channel										
Frequency (MHz)				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)		
				3470.01	3500.01	3530.01				
40	QPSK	1	53			23.11	23.16	23.29	24.0	0.0
Channel										
Frequency (MHz)				630968	633334	636000	Tune-up limit (dBm)	MPR (dB)		
				3469.02	3500.01	3540				
20	QPSK	1	26			23.12	23.17	23.18	24.0	0.0
Channel										
Frequency (MHz)				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)		
				3467.5	3500.01	3542.52				
15	QPSK	1	19			23.14	23.15	23.16	24.0	0.0
Channel										
Frequency (MHz)				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)		
				3455.01	3500.01	3545.01				
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								
Frequency (MHz)								
100	PI/2 BPSK	1	1	25.64				
100	PI/2 BPSK	1	137	26.16			27.0	0.0
100	PI/2 BPSK	1	271	25.63				
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			26.0	1.0
100	16QAM	1	1	23.59			24.5	2.5
100	64QAM	1	1	21.85			22.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	123	25.73	25.79	25.82	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	109	25.77	25.87	25.89	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	81	25.77	25.83	25.76	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	67	25.69	25.76	25.78	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	53	25.83	25.84	25.75	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	26	25.70	25.69	25.77	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	19	25.87	25.89	25.80	27.0	0.0
Channel								
Frequency (MHz)								
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								
Frequency (MHz)								
100	PI/2 BPSK	1	1	22.52				
100	PI/2 BPSK	1	137	23.49			24.0	0.0
100	PI/2 BPSK	1	271	22.57				
100	PI/2 BPSK	135	0	23.46			24.0	0.0
100	PI/2 BPSK	135	69	23.51			24.0	0.0
100	PI/2 BPSK	135	138	23.47				
100	PI/2 BPSK	270	0	23.41			24.0	0.0
100	QPSK	1	1	22.60				
100	QPSK	1	137	23.53			24.0	0.0
100	QPSK	1	271	22.62				
100	QPSK	135	0	23.45			24.0	0.0
100	QPSK	135	69	23.51			24.0	0.0
100	QPSK	135	138	23.50			24.0	0.0
100	QPSK	270	0	23.50			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								
Frequency (MHz)								
90	QPSK	1	123	23.42	23.32	23.47	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	109	23.32	23.37	23.39	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	81	23.36	23.27	23.29	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	67	23.32	23.33	23.43	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	53	23.45	23.37	23.38	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	26	23.44	23.33	23.32	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	19	23.32	23.25	23.37	24.0	0.0
Channel								
Frequency (MHz)								
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								
Frequency (MHz)								
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			26.0	1.0
100	16QAM	1	1	24.83			24.5	2.5
100	64QAM	1	1	23.97			24.5	2.5
100	256QAM	1	1	21.98			22.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	123	26.33	26.18	26.30	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	109	26.23	26.26	26.24	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	81	26.31	26.17	26.33	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	67	26.19	26.15	26.28	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	53	26.29	26.21	26.30	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	26	26.21	26.27	26.28	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	19	26.32	26.15	26.21	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	12	26.18	26.17	26.26	27.0	0.0



Part27Q 78 PC3 Ant3 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	Pi/2 BPSK	1	1		22.33				
100	Pi/2 BPSK	1	137		23.12		24.0	0.0	
100	Pi/2 BPSK	1	271		22.27				
100	Pi/2 BPSK	135	0		23.20		24.0	0.0	
100	Pi/2 BPSK	135	69		23.02				
100	Pi/2 BPSK	135	138		23.06		24.0	0.0	
100	QPSK	1	1		22.38				
100	QPSK	1	137		23.24		24.0	0.0	
100	QPSK	1	271		22.27				
100	QPSK	135	0		23.15		24.0	0.0	
100	QPSK	135	69		23.19				
100	QPSK	135	138		23.07		24.0	0.0	
100	QPSK	270	0		23.12		24.0	0.0	
100	16QAM	1	1		22.14		24.0	0.0	
100	64QAM	1	1		22.79		23.5	0.5	
100	256QAM	1	1		20.80		21.5	2.5	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	123		23.01	23.03	23.03	24.0	0.0
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	109		22.99	22.98	23.00	24.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	81		22.96	22.94	22.95	24.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	67		22.90	22.90	22.94	24.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	53		22.95	23.00	22.96	24.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	26		22.87	22.94	23.05	24.0	0.0
Channel				630500	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	19		23.04	22.87	23.05	24.0	0.0
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	12		23.05	22.88	22.88	24.0	0.0

Part27Q 78 PC2 Ant3 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	Pi/2 BPSK	1	1		25.68				
100	Pi/2 BPSK	1	137		26.06		27.0	0.0	
100	Pi/2 BPSK	1	271		25.56				
100	Pi/2 BPSK	135	0		25.98		26.5	0.5	
100	Pi/2 BPSK	135	69		25.21		27.0	0.0	
100	Pi/2 BPSK	135	138		25.91		26.5	0.5	
100	Pi/2 BPSK	270	0		25.88				
100	QPSK	1	1		25.87				
100	QPSK	1	137		26.23		27.0	0.0	
100	QPSK	1	271		25.62				
100	QPSK	135	0		25.42		26.0	1.0	
100	QPSK	135	69		26.20		27.0	0.0	
100	QPSK	135	138		25.42		26.0	1.0	
100	QPSK	270	0		25.41				
100	16QAM	1	1		24.83		26.0	1.0	
100	64QAM	1	1		23.67		24.5	2.5	
100	256QAM	1	1		21.85		22.5	4.5	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	123		26.05	26.07	26.01	27.0	0.0
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	109		25.99	25.99	26.05	27.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	81		26.11	26.09	26.09	27.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	67		25.97	26.13	26.10	27.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	53		26.14	26.10	26.00	27.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	26		26.01	26.12	26.13	27.0	0.0
Channel				630500	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	19		25.99	26.11	26.09	27.0	0.0
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	12		26.03	25.96	26.12	27.0	0.0



n5 Ant4 Default power								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				16650	16700	16750		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	23.94	24.14	24.11	25.5	0.0
20	PI/2 BPSK	1	26	23.95	24.04	23.86		
20	PI/2 BPSK	1	49	23.74	23.96	23.83		
20	PI/2 BPSK	25	0	23.47	23.64	23.50	25.0	0.5
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	22.81	23.05	22.98	24.5	1.0
20	QPSK	50	0	22.87	23.10	22.91		
20	16QAM	1	1	22.58	22.65	22.52		
20	64QAM	1	1	21.10	21.20	21.02	23.0	2.5
20	256QAM	1	1	19.73	19.75	19.58	21.0	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.95	24.11	24.13	25.5	0.0
Channel				165900	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	24.02	24.16	24.09	25.5	0.0

n7 Ant4 Default power								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				50200	50700	51200		
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	24.69	24.91	24.88	25.5	0.0
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		
15	QPSK	1	1	24.86	24.84	24.66	25.5	0.0
Channel				501000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	24.82	24.79	24.80	25.5	0.0



n38 Ant4 Default power

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				516300	518000	522800		
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1	24.31	24.47	24.48		
20	PI/2 BPSK	1	26	24.21	24.36	24.25	25.5	0.0
20	PI/2 BPSK	1	49	24.30	24.41	24.26		
20	PI/2 BPSK	25	0	23.78	23.92	23.72	25.0	0.5
20	PI/2 BPSK	25	13	24.29	24.40	24.30	25.5	0.0
20	PI/2 BPSK	25	26	23.94	23.96	23.82	25.0	0.5
20	PI/2 BPSK	50	0	23.86	24.02	23.96		
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		
Frequency (MHz)				2577.51	2595	2612.49		
15	PI/2 BPSK	1	1	24.31	24.41	24.19	25.5	0.0
Channel				515304	518000	522396		
Frequency (MHz)				2575.02	2595	2613.98		
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				505602	518598	528090		
Frequency (MHz)				2556.01	2592.99	2640		
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	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	23.46	23.42	23.41		
100	QPSK	135	0	24.05	24.07	23.98	24.5	0.0
100	QPSK	135	69	24.13	24.30	24.25	24.5	0.0
100	QPSK	135	138	24.08	24.25	24.19	24.5	0.0
100	QPSK	270	0	23.92	24.12	24.00		
100	16QAM	1	1	23.12	23.17	23.05	24.5	0.0
100	64QAM	1	1	22.76	22.83	22.75	23.0	1.5
100	256QAM	1	1	20.66	20.71	20.68	21.0	3.5
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	24.04	24.22	24.11	24.5	0.0
Channel				507204	518598	529398		
Frequency (MHz)				2535.02	2592.99	2649.99		
80	QPSK	1	109	24.15	24.01	24.03	24.5	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	24.11	24.15	24.07	24.5	0.0
Channel				504204	518598	532596		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	24.14	24.00	24.14	24.5	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	24.01	24.13	24.05	24.5	0.0
Channel				501204	518598	535598		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	24.12	24.02	24.04	24.5	0.0
Channel				500700	518598	536496		
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	19	24.17	24.16	24.01	24.5	0.0
Channel				500202	518598	537000		
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	12	24.14	24.12	24.16	24.5	0.0

n41 PC2 Ant4 Default power

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505602	518598	528090		
Frequency (MHz)				2556.01	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	25.5	0.5
100	PI/2 BPSK	270	0	24.28	24.47	24.39		
100	QPSK	1	1	23.40	23.47	23.30		
100	QPSK	1	137	24.60	24.83	24.79	26.0	0.0
100	QPSK	1	271	23.89	24.11	23.99		
100	QPSK	135	0	23.38	23.48	23.33	25.0	1.0
100	QPSK	135	69	24.76	24.78	24.66	26.0	0.0
100	QPSK	135	138	23.59	23.75	23.69	25.0	1.0
100	QPSK	270	0	23.48	23.69	23.52		
100	16QAM	1	1	23.49	23.64	23.63	25.0	1.0
100	64QAM	1	1	21.90	22.10	22.06	23.5	2.5
100	256QAM	1	1	20.27	20.28	20.05	21.5	4.5
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	24.32	24.46	24.06	26.0	0.0
Channel				507204	518598	529398		
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	109	24.22	24.47	24.07	26.0	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	24.30	24.47	24.29	26.0	0.0
Channel				504204	518598	532596		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	24.21	24.39	24.07	26.0	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	24.33	24.42	24.11	26.0	0.0
Channel				501204	518598	535598		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	24.25	24.31	24.11	26.0	0.0
Channel				500700	518598	536496		
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	19	24.37	24.20	24.13	26.0	0.0
Channel				500202	518598	537000		
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	12	24.34	24.31	24.09	26.0	0.0



Par270 n77 PC3 Ant5 Default power

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	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		
100	PI/2 BPSK	270	0	22.54	22.54	22.55		
100	QPSK	1	1	22.47	22.54	22.55	24.0	0.0
100	QPSK	1	137	22.49	22.57	22.54		
100	QPSK	1	271	22.32	22.32	22.31		
100	QPSK	135	0	22.55	22.54	22.52	24.0	0.0
100	QPSK	135	69	22.47	22.56	22.54	24.0	0.0
100	QPSK	135	138	22.44	22.43	22.41		
100	QPSK	270	0	22.39	22.48	22.47		
100	16QAM	1	1	22.24	22.22	22.24	24.0	0.0
100	64QAM	1	1	22.34	22.32	22.31	24.0	0.0
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	662668	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	22.25	22.37	24.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	67	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	22.28	22.38	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	22.29	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 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				630000	633334	636668		
Frequency (MHz)				3500	3550.01	3599.99		
100	PI/2 BPSK	1	1	22.21	22.21	22.21	24.0	0.0
100	PI/2 BPSK	1	137	22.37	22.37	22.37		
100	PI/2 BPSK	1	271	22.22	22.22	22.22		
100	PI/2 BPSK	135	0	22.38	22.38	22.38	24.0	0.0
100	PI/2 BPSK	135	69	22.39	22.39	22.39		
100	PI/2 BPSK	135	138	22.37	22.37	22.37		
100	PI/2 BPSK	270	0	22.42	22.42	22.42	24.0	0.0
100	QPSK	1	1	22.25	22.25	22.25	24.0	0.0
100	QPSK	1	137	22.42	22.42	22.42		
100	QPSK	1	271	22.24	22.24	22.24		
100	QPSK	135	0	22.34	22.34	22.34	24.0	0.0
100	QPSK	135	69	22.39	22.39	22.39		
100	QPSK	135	138	22.21	22.21	22.21		
100	QPSK	270	0	22.39	22.39	22.39	24.0	0.0
100	16QAM	1	1	22.28	22.28	22.28	24.0	0.0
100	64QAM	1	1	22.33	22.33	22.33	24.0	0.0
100	256QAM	1	1	21.24	21.24	21.24	22.5	1.5
Channel				630000	633334	636668	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				630568	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	3530.01		
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)				3457.52	3500.01	3542.52		
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.	MPR (dB)
Channel				65000			
Frequency (MHz)				3750			
100	PI/2 BPSK	1	1	22.33			
100	PI/2 BPSK	1	137	22.35		24.0	0.0
100	PI/2 BPSK	1	271	22.33			
100	PI/2 BPSK	135	0	22.35		24.0	0.0
100	PI/2 BPSK	135	69	22.34		24.0	0.0
100	PI/2 BPSK	135	138	22.31			
100	PI/2 BPSK	270	0	22.32		24.0	0.0
100	QPSK	1	1	22.22			
100	QPSK	1	137	22.46		24.0	0.0
100	QPSK	1	271	22.33			
100	QPSK	135	0	22.15		24.0	0.0
100	QPSK	135	69	22.35		24.0	0.0
100	QPSK	135	138	22.21		24.0	0.0
100	QPSK	270	0	22.33			
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				64868	65000	65034	
Frequency (MHz)				3745.02	3750	3755.01	
90	QPSK	1	123	22.07	22.34	22.22	24.0
Channel				64934	65000	65068	
Frequency (MHz)				3749.01	3750	3760.02	
80	QPSK	1	109	22.07	22.32	22.21	24.0
Channel				64868	65000	65134	
Frequency (MHz)				3730.02	3750	3770.01	
60	QPSK	1	81	22.05	22.35	22.26	24.0
Channel				64834	65000	65168	
Frequency (MHz)				3725.01	3750	3775.02	
50	QPSK	1	67	22.18	22.29	22.24	24.0
Channel				64800	65000	65200	
Frequency (MHz)				3720	3750	3760	
40	QPSK	1	53	22.06	22.33	22.28	24.0
Channel				64734	65000	65268	
Frequency (MHz)				3710.01	3750	3790.02	
20	QPSK	1	26	22.08	22.35	22.15	24.0
Channel				64768	65000	65234	
Frequency (MHz)				3707.52	3750	3792.51	
15	QPSK	1	19	22.05	22.31	22.22	24.0
Channel				64700	65000	65300	
Frequency (MHz)				3705	3750	3755	
10	QPSK	1	12	22.20	22.24	22.25	24.0

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.	MPR (dB)
Channel				63334			
Frequency (MHz)				3500.01			
100	PI/2 BPSK	1	1	22.17			
100	PI/2 BPSK	1	137	22.27		24.0	0.0
100	PI/2 BPSK	1	271	22.31			
100	PI/2 BPSK	135	0	22.25		24.0	0.0
100	PI/2 BPSK	135	69	22.23			
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			
100	QPSK	1	137	22.32		24.0	0.0
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				63300	63334	63368	
Frequency (MHz)				3495	3500.01	3505.02	
90	QPSK	1	123	22.10	22.08	22.09	24.0
Channel				63268	63334	63400	
Frequency (MHz)				3490.02	3500.01	3510	
80	QPSK	1	109	22.08	22.12	22.13	24.0
Channel				63200	63334	63468	
Frequency (MHz)				3480	3500.01	3520.02	
60	QPSK	1	81	22.01	22.14	22.15	24.0
Channel				63168	63334	63600	
Frequency (MHz)				3475.02	3500.01	3525	
50	QPSK	1	67	22.10	22.08	22.09	24.0
Channel				63134	63334	63534	
Frequency (MHz)				3470.01	3500.01	3530.01	
40	QPSK	1	53	22.04	22.03	22.04	24.0
Channel				63068	63334	63800	
Frequency (MHz)				3460.02	3500.01	3540	
20	QPSK	1	26	22.14	22.13	22.03	24.0
Channel				63000	63334	63618	
Frequency (MHz)				3457.5	3500.01	3542.52	
15	QPSK	1	19	22.02	22.06	22.05	24.0
Channel				63034	63334	63834	
Frequency (MHz)				3455.01	3500.01	3545.01	
10	QPSK	1	12	22.07	22.05	22.01	24.0



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				680000	680000	682000		
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	23.0	0.0
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		
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	23.0	0.0
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	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		
100	16QAM	1	1	22.22	22.21	22.19	23.0	0.0
100	64QAM	1	1	22.30	22.29	22.28	23.0	0.0
100	256QAM	1	1	21.35	21.28	21.32	21.5	1.5
Channel				648668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	123	22.28	22.39	22.35	23.0	0.0
Channel				647334	656000	662668	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	22.35	22.36	23.0	0.0
Channel				647334	656000	663668	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		
100	QPSK	1	53	22.28	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	22.28	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

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				630000	633334	636668		
Frequency (MHz)				3500.01	3500.01	3500.01		
100	Pi/2 BPSK	1	1	21.19				
100	Pi/2 BPSK	1	137		21.36		23.0	0.0
100	Pi/2 BPSK	1	271		21.20			
100	Pi/2 BPSK	135	0		21.39		23.0	0.0
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		23.0	0.0
100	QPSK	1	271		21.23			
100	QPSK	135	0		21.34			
100	QPSK	135	69		21.40		23.0	0.0
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				630668	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	21.38	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



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								
Frequency (MHz)				650000				
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			23.0	0.0
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								
Frequency (MHz)				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	123	22.07	22.34	22.20	23.0	0.0
Channel				648334	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		
80	QPSK	1	81	22.06	22.34	22.22	23.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	67	22.08	22.34	22.22	23.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3760		
40	QPSK	1	53	22.06	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	22.06	22.34	22.23	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								
Frequency (MHz)				633334				
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				
100	QPSK	135	69	21.32			23.0	0.0
100	QPSK	135	138	21.14				
100	QPSK	270	0	21.25			23.0	0.0
100	16QAM	1	1	21.08			23.0	0.0
100	64QAM	1	1	21.08			23.0	0.0
100	256QAM	1	1	20.11			21.5	1.5
Channel								
Frequency (MHz)				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
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	21.16	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	21.16	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 DSI1

n5 Ant1 Default power								
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	23.87	24.07	23.83	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	23.89	23.61	25.0	0.5
20	PI/2 BPSK	50	0	23.55	23.74	23.69		
20	QPSK	1	1	23.90	24.11	24.07		
20	QPSK	1	26	23.83	24.04	23.98	25.5	0.0
20	QPSK	1	49	23.79	23.92	23.87		
20	QPSK	25	0	23.07	23.24	23.19	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	19.95	19.99	19.61	21.0	4.5
Channel				168300	167300	168300		
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		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.95	23.98	23.85	25.5	0.0

n7 Ant1 Default power								
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	24.18	24.39	24.31		
20	PI/2 BPSK	1	26	24.16	24.36	24.19	25.5	0.0
20	PI/2 BPSK	1	49	24.13	24.26	24.04		
20	PI/2 BPSK	25	0	23.79	23.91	23.71	25.0	0.5
20	PI/2 BPSK	25	13	24.34	24.38	24.25	25.5	0.0
20	PI/2 BPSK	25	26	23.77	23.89	23.85	25.0	0.5
20	PI/2 BPSK	50	0	23.83	23.92	23.79		
20	QPSK	1	1	24.27	24.45	24.33		
20	QPSK	1	26	24.38	24.42	24.24	25.5	0.0
20	QPSK	1	49	24.08	24.24	24.14		
20	QPSK	25	0	23.30	23.41	23.32	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	21.85	21.78	21.84	23.0	2.5
20	256QAM	1	1	20.24	20.31	20.27	21.0	4.5
Channel				501500	507000	512500		
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		
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				516500	518000	522000			
Frequency (MHz)				2550	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	23.87	23.77			
20	QPSK	25	0	22.98	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	24.5	1.0	
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	518000	522498			
Frequency (MHz)				2577.51	2595	2612.49			
15	PI/2 BPSK	1	1	23.72	23.88	23.93	25.5	0.0	
Channel				515504	518000	522596			
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	518598	528000			
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	24.36	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	23.99	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	25.0	1.0	
100	16QAM	1	1	23.72	23.79	23.87	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			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	123	24.49	24.58	24.25	26.0	0.0	
Channel				507204	518598	528996			
Frequency (MHz)				2538.02	2592.99	2646.99			
80	QPSK	1	109	24.46	24.67	24.32	26.0	0.0	
Channel				506200	518598	531996			
Frequency (MHz)				2526	2592.99	2659.98			
80	QPSK	1	81	24.96	24.60	24.25	26.0	0.0	
Channel				504204	518598	532992			
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			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	24.44	24.59	24.36	26.0	0.0	
Channel				501204	518598	535996			
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	536498			
Frequency (MHz)				2501.01	2592.99	2682.40			
15	QPSK	1	19	24.53	24.54	24.24	26.0	0.0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	12	24.61	24.50	24.46	26.0	0.0	



n7 Ant2 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				50200	50700	51200	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	20.57	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		
20	PI/2 BPSK	25	26	20.56	20.61	20.66		
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	20.63	20.53		
20	QPSK	1	49	20.53	20.58	20.67		
20	QPSK	25	0	20.58	20.62	20.51	22.0	0.0
20	QPSK	25	13	20.56	20.76	20.60	22.0	0.0
20	QPSK	25	26	20.72	20.55	20.68	22.0	0.0
20	QPSK	50	0	20.55	20.73	20.62	22.0	0.0
20	16QAM	1	1	20.56	20.65	20.60	22.0	0.0
20	64QAM	1	1	20.55	20.75	20.57	22.0	0.0
20	256QAM	1	1	19.12	19.23	19.11	20.5	1.5
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				516500	518000	522000			
Frequency (MHz)				2550	2595	2610			
20	PI/2 BPSK	1	1	18.31	18.30	18.35			
20	PI/2 BPSK	1	26	18.29	18.36	18.35	20.0	0.0	
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	18.28	18.36	18.26			
20	PI/2 BPSK	50	0	18.17	18.34	18.40	20.0	0.0	
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	20.0	0.0	
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	QPSK	50	0	18.37	18.34	18.42	20.0	0.0	
20	16QAM	1	1	18.31	18.35	18.28	20.0	0.0	
20	64QAM	1	1	18.15	18.38	18.25	20.0	0.0	
20	256QAM	1	1	18.14	18.38	18.36	20.0	0.0	
Channel				515502	518000	522498			
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	518000	522396			
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				506200	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	18.57	18.77	18.57			
100	PI/2 BPSK	1	137	18.70	18.79	18.54	20.0	0.0	
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			
100	PI/2 BPSK	270	0	18.52	18.70	18.64	20.0	0.0	
100	QPSK	1	1	18.73	18.81	18.68			
100	QPSK	1	137	18.52	18.82	18.43	20.0	0.0	
100	QPSK	1	271	18.64	18.75	18.70			
100	QPSK	135	0	18.70	18.73	18.58	20.0	0.0	
100	QPSK	135	69	18.67	18.84	18.57	20.0	0.0	
100	QPSK	135	138	18.54	18.65	18.55			
100	QPSK	270	0	18.56	18.76	18.48	20.0	0.0	
100	16QAM	1	1	18.72	18.69	18.68	20.0	0.0	
100	64QAM	1	1	18.53	18.69	18.53	20.0	0.0	
100	256QAM	1	1	18.74	18.76	18.56	20.0	0.0	
Channel				508200	518598	528996			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	123	18.65	18.71	18.50	20.0	0.0	
Channel				507204	518598	528996			
Frequency (MHz)				2538.02	2592.99	2640.99			
80	QPSK	1	109	18.60	18.69	18.64	20.0	0.0	
Channel				506200	518598	531996			
Frequency (MHz)				2526	2592.99	2650.98			
80	QPSK	1	81	18.65	18.72	18.51	20.0	0.0	
Channel				504204	518598	532996			
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			
Frequency (MHz)				2510.01	2592.99	2670			
40	QPSK	1	53	18.63	18.75	18.53	20.0	0.0	
Channel				501204	518598	535996			
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			
Frequency (MHz)				2503.05	2592.99	2682.98			
15	QPSK	1	19	18.61	18.79	18.65	20.0	0.0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	12	18.59	18.79	18.52	20.0	0.0	



Par270 n77 PC2 Ant2 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				656000	666000	662000		
Frequency (MHz)				3760	3860	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	21.0	0.0
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	21.0	0.0
100	QPSK	1	271	19.59	19.72	19.75	21.0	0.0
100	QPSK	135	0	19.63	19.65	19.57		
100	QPSK	135	69	19.60	19.72	19.70		
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		
100	64QAM	1	1	19.56	19.70	19.67		
100	256QAM	1	1	19.72	19.65	19.68	21.0	0.0
Channel				649668	656000	662334		
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	123	19.52	19.67	19.62	21.0	0.0
Channel				648334	656000	662968		
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		
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	81	19.57	19.72	19.75	21.0	0.0
Channel				648334	656000	663968		
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		
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	53	19.64	19.72	19.62	21.0	0.0
Channel				647334	656000	664668		
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		
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		
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				633000	633334	633500		
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	21.0	0.0
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	21.0	0.0
100	QPSK	1	271			19.46	21.0	0.0
100	QPSK	135	0			19.48		
100	QPSK	135	69			19.63		
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		
100	64QAM	1	1			19.50		
100	256QAM	1	1			19.55	21.0	0.0
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	123	19.56	19.59	19.50	21.0	0.0
Channel				632968	633334	634000		
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		
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		
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		
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	19.34	19.49	19.35	21.0	0.0
Channel				630668	633334	636000		
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		
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	19.41	19.47	19.49	21.0	0.0
Channel				630334	633334	636334		
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	19.57	19.45	19.35	21.0	0.0



Part270 n78 PC2 Ant2 DSI 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI/2 BPSK	1	1	19.48	19.48	19.48	21.0	0.0
100	PI/2 BPSK	1	137	19.54	19.54	19.54		
100	PI/2 BPSK	1	271	19.60	19.60	19.60		
100	PI/2 BPSK	135	0	19.71	19.71	19.71	21.0	0.0
100	PI/2 BPSK	135	69	19.59	19.59	19.59	21.0	0.0
100	PI/2 BPSK	135	138	19.68	19.68	19.68	21.0	0.0
100	PI/2 BPSK	270	0	19.62	19.62	19.62		
100	QPSK	1	1	19.59	19.59	19.59		
100	QPSK	1	137	19.75	19.75	19.75	21.0	0.0
100	QPSK	1	271	19.57	19.57	19.57	21.0	0.0
100	QPSK	135	0	19.63	19.63	19.63		
100	QPSK	135	69	19.65	19.65	19.65		
100	QPSK	135	138	19.60	19.60	19.60	21.0	0.0
100	QPSK	270	0	19.56	19.56	19.56	21.0	0.0
100	16QAM	1	1	19.55	19.55	19.55		
100	64QAM	1	1	19.72	19.72	19.72		
100	256QAM	1	1	19.61	19.61	19.61	21.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	123	19.64	19.61	19.57	21.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	109	19.49	19.40	19.44	21.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	81	19.55	19.61	19.49	21.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	67	19.49	19.49	19.47	21.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	53	19.42	19.55	19.55	21.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	26	19.64	19.47	19.54	21.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	19	19.53	19.50	19.37	21.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	12	19.56	19.41	19.43	21.0	0.0

Part27Q 78 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								
Frequency (MHz)								
100	PI/2 BPSK	1	1	19.47	19.47	19.47	21.0	0.0
100	PI/2 BPSK	1	137	19.50	19.50	19.50		
100	PI/2 BPSK	1	271	19.66	19.66	19.66		
100	PI/2 BPSK	135	0	19.56	19.56	19.56	21.0	0.0
100	PI/2 BPSK	135	69	19.46	19.46	19.46	21.0	0.0
100	PI/2 BPSK	135	138	19.53	19.53	19.53		
100	PI/2 BPSK	270	0	19.52	19.52	19.52		
100	QPSK	1	1	19.66	19.66	19.66	21.0	0.0
100	QPSK	1	137	19.68	19.68	19.68		
100	QPSK	1	271	19.61	19.61	19.61		
100	QPSK	135	0	19.65	19.65	19.65	21.0	0.0
100	QPSK	135	69	19.44	19.44	19.44	21.0	0.0
100	QPSK	135	138	19.54	19.54	19.54		
100	QPSK	270	0	19.55	19.55	19.55		
100	16QAM	1	1	19.58	19.58	19.58	21.0	0.0
100	64QAM	1	1	19.54	19.54	19.54	21.0	0.0
100	256QAM	1	1	19.50	19.50	19.50		
Channel								
Frequency (MHz)								
90	QPSK	1	123	19.62	19.66	19.66	21.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	109	19.53	19.59	19.36	21.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	81	19.47	19.57	19.44	21.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	67	19.52	19.61	19.45	21.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	53	19.56	19.63	19.36	21.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	26	19.49	19.67	19.47	21.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	19	19.64	19.54	19.56	21.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	12	19.58	19.63	19.51	21.0	0.0



Par270 n77 PC2 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)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	18.41	18.51	18.39		
100	PI/2 BPSK	1	137	18.34	18.50	18.45	19.0	0.0
100	PI/2 BPSK	1	271	18.44	18.38	18.59		
100	PI/2 BPSK	135	0	18.31	18.54	18.25	19.0	0.0
100	PI/2 BPSK	135	69	18.38	18.46	18.48	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	18.48	18.48	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	19.0	0.0
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	19.0	0.0
100	256QAM	1	1	18.34	18.48	18.41	19.0	0.0
Channel				649688	656000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	123	18.34	18.60	18.38	19.0	0.0
Channel				649334	656000	662086	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	109	18.43	18.47	18.36	19.0	0.0
Channel				648688	656000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	81	18.45	18.57	18.51	19.0	0.0
Channel				3725.01	3840	3955.02	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	67	18.42	18.43	18.58	19.0	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	53	18.28	18.45	18.43	19.0	0.0
Channel				647334	656000	663586	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	26	18.39	18.60	18.40	19.0	0.0
Channel				647168	656000	664834	Tune-up limit	MPR
Frequency (MHz)				3707.52	3840	3972.51	(dBm)	(dB)
15	QPSK	1	19	18.37	18.38	18.45	19.0	0.0
Channel				647000	656000	665000	Tune-up limit	MPR
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	QPSK	1	12	18.46	18.48	18.41	19.0	0.0

Part27Q n77 PC2 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)	MPR (dB)	
Channel				633000	633334	633668			
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		18.15				
100	PI/2 BPSK	1	137		18.21		19.0	0.0	
100	PI/2 BPSK	1	271		18.32				
100	PI/2 BPSK	135	0		18.16		19.0	0.0	
100	PI/2 BPSK	135	69		18.25		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		18.27		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		19.0	0.0	
100	QPSK	135	138		18.16		19.0	0.0	
100	QPSK	270	0		18.20				
100	16QAM	1	1		18.16		19.0	0.0	
100	64QAM	1	1		18.22		19.0	0.0	
100	256QAM	1	1		18.18		19.0	0.0	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	123		18.24	18.30	18.27	19.0	0.0
Channel				632588	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	109		18.24	18.32	18.29	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	18.24	18.11	19.0	0.0
Channel				631658	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	67		18.18	18.11	18.21	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		18.09	18.20	18.07	19.0	0.0
Channel				630988	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	26		18.05	18.13	18.24	19.0	0.0
Channel				630500	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3452.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	19		18.15	18.20	18.26	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		18.20	18.16	18.26	19.0	0.0



Part270 n78 PC2 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)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	Pi/2 BPSK	1	1	18.44	18.44	18.20			
100	Pi/2 BPSK	1	137	18.40	18.40	18.20	19.0	0.0	
100	Pi/2 BPSK	1	271	18.45	18.45	18.25			
100	Pi/2 BPSK	135	0	18.47	18.47	18.24	19.0	0.0	
100	Pi/2 BPSK	135	69	18.40	18.40	18.17	19.0	0.0	
100	Pi/2 BPSK	135	138	18.49	18.49	18.14			
100	Pi/2 BPSK	270	0	18.44	18.44	18.12	19.0	0.0	
100	QPSK	1	1	18.31	18.31	18.17			
100	QPSK	1	137	18.54	18.54	18.34	19.0	0.0	
100	QPSK	1	271	18.37	18.37	18.25			
100	QPSK	135	0	18.44	18.44	18.15	19.0	0.0	
100	QPSK	135	69	18.45	18.45	18.25	19.0	0.0	
100	QPSK	135	138	18.43	18.43	18.13	19.0	0.0	
100	QPSK	270	0	18.44	18.44	18.12	19.0	0.0	
100	16QAM	1	1	18.50	18.50	18.27	19.0	0.0	
100	64QAM	1	1	18.38	18.38	18.29	19.0	0.0	
100	256QAM	1	1	18.32	18.32	18.21	19.0	0.0	
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	123	18.34	18.52	18.44	19.0	0.0	
Channel				649334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3749.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	109	18.32	18.52	18.39	19.0	0.0	
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	81	18.21	18.37	18.36	19.0	0.0	
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	67	18.31	18.47	18.29	19.0	0.0	
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3760	(dBm)	(dB)	
40	QPSK	1	53	18.15	18.35	18.42	19.0	0.0	
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	26	18.12	18.44	18.30	19.0	0.0	
Channel				647168	650000	652834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	19	18.24	18.32	18.25	19.0	0.0	
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	12	18.17	18.46	18.29	19.0	0.0	

Part27Q 78 PC2 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)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	Pi/2 BPSK	1	1	18.44	18.20	18.20			
100	Pi/2 BPSK	1	137	18.33	18.33	18.20	19.0	0.0	
100	Pi/2 BPSK	1	271	18.25	18.25	18.25			
100	Pi/2 BPSK	135	0	18.24	18.24	18.24	19.0	0.0	
100	Pi/2 BPSK	135	69	18.17	18.17	18.17	19.0	0.0	
100	Pi/2 BPSK	135	138	18.14	18.14	18.14			
100	Pi/2 BPSK	270	0	18.12	18.12	18.12	19.0	0.0	
100	QPSK	1	1	18.17	18.17	18.17			
100	QPSK	1	137	18.34	18.34	18.34	19.0	0.0	
100	QPSK	1	271	18.25	18.25	18.25			
100	QPSK	135	0	18.15	18.15	18.15	19.0	0.0	
100	QPSK	135	69	18.25	18.25	18.25	19.0	0.0	
100	QPSK	135	138	18.13	18.13	18.13	19.0	0.0	
100	QPSK	270	0	18.12	18.12	18.12	19.0	0.0	
100	16QAM	1	1	18.27	18.27	18.27	19.0	0.0	
100	64QAM	1	1	18.29	18.29	18.29	19.0	0.0	
100	256QAM	1	1	18.21	18.21	18.21	19.0	0.0	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	123	18.28	18.20	18.27	19.0	0.0	
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	109	18.23	18.05	18.14	19.0	0.0	
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	81	18.15	18.08	18.22	19.0	0.0	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	67	18.19	18.04	18.23	19.0	0.0	
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	53	18.13	18.04	18.13	19.0	0.0	
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	26	18.24	18.05	18.20	19.0	0.0	
Channel				630500	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	19	18.23	18.16	18.20	19.0	0.0	
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	12	18.12	18.13	18.22	19.0	0.0	



n5 Ant4 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
Channel				166300	167300	167800			
Frequency (MHz)				834	836.5	838			
20	PI/2 BPSK	1	1	23.07	23.23	23.16	24.5	0.0	
20	PI/2 BPSK	1	26	22.98	23.24	23.19			
20	PI/2 BPSK	1	49	23.04	23.16	23.20			
20	PI/2 BPSK	25	0	23.03	23.19	23.15	24.5	0.0	
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	23.00	23.17	23.15			
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	24.5	0.0	
20	16QAM	1	1	22.99	23.24	23.26			
20	16QAM	1	1	22.99	22.97	22.65			23.0
20	256QAM	1	1	20.96	20.73	20.67	21.0	3.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	23.01	23.18	23.19	24.5	0.0	
Channel				165600	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	23.04	23.28	23.14	24.5	0.0	

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



n38 Ant4 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				516500	518000	522000			
Frequency (MHz)				2550	2595	2610			
20	PI/2 BPSK	1	1	15.43	15.46	15.39			
20	PI/2 BPSK	1	26	15.47	15.42	15.41	16.5	0.0	
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			
20	PI/2 BPSK	50	0	15.41	15.49	15.41	16.5	0.0	
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	16.5	0.0	
20	QPSK	25	13	15.42	15.51	15.38	16.5	0.0	
20	QPSK	25	26	15.49	15.44	15.40			
20	QPSK	50	0	15.39	15.41	15.38	16.5	0.0	
20	16QAM	1	1	15.40	15.52	15.41	16.5	0.0	
20	64QAM	1	1	15.41	15.55	15.45	16.5	0.0	
20	256QAM	1	1	15.39	15.43	15.41	16.5	0.0	
Channel				515502	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49			
15	PI/2 BPSK	1	1	15.48	15.49	15.45	16.5	0.0	
Channel				515504	519000	522596			
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				536202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	15.64	15.85	15.77			
100	PI/2 BPSK	1	137	15.53	15.84	15.76	17.0	0.0	
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			
100	PI/2 BPSK	270	0	15.58	15.83	15.79	17.0	0.0	
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	17.0	0.0	
100	QPSK	135	69	15.64	15.79	15.74	17.0	0.0	
100	QPSK	135	138	15.58	15.77	15.68			
100	QPSK	270	0	15.63	15.80	15.77	17.0	0.0	
100	16QAM	1	1	15.60	15.80	15.81	17.0	0.0	
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	518598	528996			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	123	15.67	15.80	15.74	17.0	0.0	
Channel				507204	518598	528996			
Frequency (MHz)				2538.02	2592.99	2646.99			
80	QPSK	1	109	15.54	15.79	15.85	17.0	0.0	
Channel				506200	518598	531996			
Frequency (MHz)				2526	2592.99	2659.98			
80	QPSK	1	81	15.65	15.80	15.75	17.0	0.0	
Channel				504204	518598	532996			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	15.55	15.78	15.83	17.0	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	15.61	15.77	15.82	17.0	0.0	
Channel				501204	518598	535996			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	15.62	15.83	15.74	17.0	0.0	
Channel				500700	518598	536498			
Frequency (MHz)				2503.05	2592.99	2682.98			
15	QPSK	1	19	15.59	15.79	15.82	17.0	0.0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	12	15.61	15.84	15.80	17.0	0.0	



Par270 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				656000	666000	662000			
Frequency (MHz)				3760	3860	3930			
100	PI/2 BPSK	1	1	15.50	15.52	15.39			
100	PI/2 BPSK	1	137	15.49	15.48	15.38	17.0	0.0	
100	PI/2 BPSK	1	271	15.40	15.55	15.30			
100	PI/2 BPSK	135	0	15.49	15.47	15.42	17.0	0.0	
100	PI/2 BPSK	135	69	15.41	15.45	15.31	17.0	0.0	
100	PI/2 BPSK	135	138	15.39	15.43	15.36			
100	PI/2 BPSK	270	0	15.38	15.54	15.40	17.0	0.0	
100	QPSK	1	1	15.45	15.49	15.33			
100	QPSK	1	137	15.55	15.59	15.45	17.0	0.0	
100	QPSK	1	271	15.46	15.44	15.40			
100	QPSK	135	0	15.42	15.45	15.36	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			
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	666000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	123	15.49	15.53	15.29	17.0	0.0	
Channel				648334	666000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3860	3949.02			
80	QPSK	1	109	15.48	15.50	15.36	17.0	0.0	
Channel				648668	666000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	81	15.43	15.49	15.35	17.0	0.0	
Channel				648334	666000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	67	15.50	15.54	15.31	17.0	0.0	
Channel				648000	666000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	53	15.52	15.51	15.34	17.0	0.0	
Channel				647334	666000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	26	15.41	15.44	15.29	17.0	0.0	
Channel				647168	666000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	19	15.52	15.44	15.31	17.0	0.0	
Channel				647000	666000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	12	15.41	15.48	15.29	17.0	0.0	

Part27Q n77 PC3 Ant5 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				633000	633334	633501			
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1			15.46			
100	PI/2 BPSK	1	137			15.37	17.0	0.0	
100	PI/2 BPSK	1	271			15.38			
100	PI/2 BPSK	135	0			15.44			
100	PI/2 BPSK	135	69			15.39	17.0	0.0	
100	PI/2 BPSK	135	138			15.44			
100	PI/2 BPSK	270	0			15.39	17.0	0.0	
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	17.0	0.0	
100	QPSK	135	138			15.37			
100	QPSK	270	0			15.36	17.0	0.0	
100	16QAM	1	1			15.45	17.0	0.0	
100	64QAM	1	1			15.45	17.0	0.0	
100	256QAM	1	1			15.44	17.0	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	123	15.39	15.26	15.34	17.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109	15.35	15.29	15.40	17.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	81	15.27	15.24	15.44	17.0	0.0	
Channel				631668	633334	635500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67	15.39	15.29	15.44	17.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53	15.29	15.29	15.34	17.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26	15.37	15.24	15.43	17.0	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.15	3500.01	3542.52			
15	QPSK	1	19	15.32	15.37	15.41	17.0	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	12	15.32	15.37	15.34	17.0	0.0	



Part270 n78 PC3 Ant5 DSI1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)							
100	PI/2 BPSK	1	1	15.44			
100	PI/2 BPSK	1	137	15.46			
100	PI/2 BPSK	1	271	15.44			
100	PI/2 BPSK	135	0	15.42			
100	PI/2 BPSK	135	69	15.44			
100	PI/2 BPSK	135	138	15.44			
100	PI/2 BPSK	270	0	15.43			
100	QPSK	1	1	15.40			
100	QPSK	1	137	15.53			
100	QPSK	1	271	15.50			
100	QPSK	135	0	15.42			
100	QPSK	135	69	15.45			
100	QPSK	135	138	15.38			
100	QPSK	270	0	15.40			
100	16QAM	0	1	15.49			
100	64QAM	1	1	15.39			
100	256QAM	1	1	15.42			
Channel				649688	650000	650334	Tune-up limit MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm) (dB)
90	QPSK	1	123	15.52	15.49	15.47	17.0 0.0
Channel				649334	650000	650666	Tune-up limit MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm) (dB)
80	QPSK	1	109	15.39	15.49	15.48	17.0 0.0
Channel				648668	650000	651334	Tune-up limit MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm) (dB)
60	QPSK	1	81	15.41	15.48	15.41	17.0 0.0
Channel				647334	650000	651666	Tune-up limit MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm) (dB)
50	QPSK	1	67	15.48	15.50	15.47	17.0 0.0
Channel				648000	650000	652000	Tune-up limit MPR
Frequency (MHz)				3720	3750	3780	(dBm) (dB)
40	QPSK	1	53	15.48	15.43	15.49	17.0 0.0
Channel				647334	650000	652666	Tune-up limit MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm) (dB)
20	QPSK	1	26	15.50	15.49	15.47	17.0 0.0
Channel				647168	650000	652834	Tune-up limit MPR
Frequency (MHz)				3707.52	3750	3792.51	(dBm) (dB)
15	QPSK	1	19	15.43	15.45	15.42	17.0 0.0
Channel				647000	650000	653000	Tune-up limit MPR
Frequency (MHz)				3705	3750	3795	(dBm) (dB)
10	QPSK	1	12	15.48	15.44	15.41	17.0 0.0

Part27Q 78 PC3 Ant5 DSI1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)							
100	PI/2 BPSK	1	1	15.35			
100	PI/2 BPSK	1	137	15.30			
100	PI/2 BPSK	1	271	15.30			
100	PI/2 BPSK	135	0	15.29			
100	PI/2 BPSK	135	69	15.32			
100	PI/2 BPSK	135	138	15.29			
100	PI/2 BPSK	270	0	15.29			
100	QPSK	1	1	15.33			
100	QPSK	1	137	15.38			
100	QPSK	1	271	15.32			
100	QPSK	135	0	15.36			
100	QPSK	135	69	15.35			
100	QPSK	135	138	15.29			
100	QPSK	270	0	15.30			
100	16QAM	1	1	15.36			
100	64QAM	1	1	15.31			
100	256QAM	1	1	15.28			
Channel				633000	633334	633668	Tune-up limit MPR
Frequency (MHz)				3485	3500.01	3505.02	(dBm) (dB)
90	QPSK	1	123	15.09	15.16	15.24	17.0 0.0
Channel				632568	633334	634000	Tune-up limit MPR
Frequency (MHz)				3480.02	3500.01	3510	(dBm) (dB)
80	QPSK	1	109	15.22	15.22	15.31	17.0 0.0
Channel				632000	633334	634668	Tune-up limit MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm) (dB)
60	QPSK	1	81	15.15	15.19	15.19	17.0 0.0
Channel				631658	633334	635000	Tune-up limit MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm) (dB)
50	QPSK	1	67	15.12	15.27	15.28	17.0 0.0
Channel				631334	633334	635334	Tune-up limit MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm) (dB)
40	QPSK	1	53	15.19	15.27	15.21	17.0 0.0
Channel				630968	633334	636000	Tune-up limit MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm) (dB)
20	QPSK	1	26	15.19	15.23	15.20	17.0 0.0
Channel				630500	633334	636168	Tune-up limit MPR
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm) (dB)
15	QPSK	1	19	15.12	15.24	15.31	17.0 0.0
Channel				630334	633334	636334	Tune-up limit MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm) (dB)
10	QPSK	1	12	15.21	15.23	15.29	17.0 0.0



Par270 n77 PC3 Ant6 Default power

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				65000	65000	65000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	22.34	22.33	22.34	23.0	0.0
100	PI/2 BPSK	1	137	22.32	22.34	22.31		
100	PI/2 BPSK	1	271	22.30	22.29	22.31		
100	PI/2 BPSK	135	0	22.45	22.41	22.43	23.0	0.0
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	23.0	0.0
100	QPSK	135	0	22.51	22.51	22.50		
100	QPSK	135	69	22.44	22.53	22.49		
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	21.15	21.5	1.5
Channel				649688	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	123	22.28	22.39	22.35	23.0	0.0
Channel				649334	656000	662086	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	22.35	23.0	0.0
Channel				3725.01	3840	3955.02	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	22.28	22.38	22.35	23.0	0.0
Channel				647334	656000	663086	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	26	22.28	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

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				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.01		
100	PI/2 BPSK	1	1	21.40	21.38	21.38	23.0	0.0
100	PI/2 BPSK	1	137	21.36				
100	PI/2 BPSK	1	271	21.20				
100	PI/2 BPSK	135	0	21.39			23.0	0.0
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			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				632668	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



Part270 n78 PC3 Ant6 Default power

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				65000				
Frequency (MHz)				3750				
100	Pi/2 BPSK	1	1	22.32			23.0	0.0
100	Pi/2 BPSK	1	137	22.37				
100	Pi/2 BPSK	1	271	22.34				
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			23.0	0.0
100	16QAM	0	1				23.0	0.0
100	64QAM	1	1				23.0	0.0
100	256QAM	1	1				21.5	1.5
Channel				64968	65000	65034	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				64934	65000	65068	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				64868	65000	65134	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				64834	65000	65168	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				64800	65000	65200	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				64734	65000	65268	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				64768	65000	65234	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				64700	65000	65300	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				63334				
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			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			23.0	0.0
100	QPSK	270	0	21.25			23.0	0.0
100	16QAM	1	1				21.08	23.0
100	64QAM	1	1				21.08	23.0
100	256QAM	1	1				20.11	21.5
Channel				63300	63334	63368	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				63268	63334	63400	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				63200	63334	63468	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	21.14	21.18	21.19	23.0	0.0
Channel				63168	63334	63500	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				63134	63334	63534	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				63068	63334	63600	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				63000	63334	63668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	21.16	21.16	21.19	23.0	0.0
Channel				63034	63334	63634	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 DSI1 ENDC

Par270 n77 PC2&3 Ant3 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 656000	Power High Ch. / Freq. 662000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI/2 BPSK	1	1	15.38	15.49	15.53	16.0	0.0	
100	PI/2 BPSK	1	137	15.49	15.60	15.42	16.0	0.0	
100	PI/2 BPSK	1	271	15.55	15.53	15.55	16.0	0.0	
100	PI/2 BPSK	135	0	15.44	15.45	15.36	16.0	0.0	
100	PI/2 BPSK	135	69	15.43	15.50	15.41	16.0	0.0	
100	PI/2 BPSK	135	138	15.43	15.46	15.49	16.0	0.0	
100	PI/2 BPSK	270	0	15.47	15.56	15.51	16.0	0.0	
100	QPSK	1	1	15.60	15.68	15.59	16.0	0.0	
100	QPSK	1	137	15.42	15.57	15.49	16.0	0.0	
100	QPSK	1	271	15.51	15.49	15.52	16.0	0.0	
100	QPSK	135	0	15.01	15.59	15.41	15.0	1.0	
100	QPSK	135	69	15.47	15.63	15.41	16.0	0.0	
100	QPSK	135	138	15.45	15.43	15.50	16.0	0.0	
100	QPSK	270	0	15.38	15.46	15.42	16.0	0.0	
100	16QAM	1	1	15.45	15.50	15.48	16.0	0.0	
100	16QAM	1	1	15.45	15.57	15.55	16.0	0.0	
100	256QAM	1	1	15.38	15.63	15.55	16.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	123	15.55	15.52	15.62	16.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	109	15.54	15.53	15.49	16.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	81	15.56	15.60	15.56	16.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	67	15.53	15.55	15.48	16.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	53	15.49	15.57	15.52	16.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	26	15.55	15.56	15.51	16.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	19	15.57	15.59	15.49	16.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	12	15.55	15.46	15.57	16.0	0.0	

Part27Q n77 PC2&3 Ant3 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 633000	Power Middle Ch. / Freq. 633334	Power High Ch. / Freq. 633668	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI/2 BPSK	1	1	15.14			16.0	0.0	
100	PI/2 BPSK	1	137	15.29			16.0	0.0	
100	PI/2 BPSK	1	271	15.21			16.0	0.0	
100	PI/2 BPSK	135	0	15.18			16.0	0.0	
100	PI/2 BPSK	135	69	15.30			16.0	0.0	
100	PI/2 BPSK	135	138	15.10			16.0	0.0	
100	PI/2 BPSK	270	0	15.26			16.0	0.0	
100	QPSK	1	1	15.35			16.0	0.0	
100	QPSK	1	137	15.25			16.0	0.0	
100	QPSK	1	271	15.30			16.0	0.0	
100	QPSK	135	0	15.07			16.0	0.0	
100	QPSK	135	69	15.27			16.0	0.0	
100	QPSK	135	138	15.10			16.0	0.0	
100	QPSK	270	0	15.06			16.0	0.0	
100	16QAM	1	1	15.25			16.0	0.0	
100	16QAM	1	1	15.31			16.0	0.0	
100	256QAM	1	1	15.15			16.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	123	15.26	15.04	15.11	16.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	109	15.19	15.08	15.14	16.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	81	15.26	15.08	15.22	16.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	67	15.04	15.22	15.01	16.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	53	14.95	15.26	15.24	16.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	26	15.15	15.26	15.12	16.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	19	15.15	15.25	15.03	16.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	12	15.04	15.26	15.14	16.0	0.0	



Reduced power level for 5G NR DSI2

n5 Ant1 Default power								
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq. 166800	Middle Ch. / Freq. 167300	High Ch. / Freq. 167800		
Channel				831	836.5	841		
Frequency (MHz)				166800	167300	167800		
20	PI/2 BPSK	1	1	23.87	24.07	23.83	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	23.59	23.61	25.0	0.5
20	PI/2 BPSK	50	0	23.55	23.74	23.69		
20	QPSK	1	1	23.90	24.11	24.07		
20	QPSK	1	26	23.83	24.04	23.98	25.5	0.0
20	QPSK	1	49	23.79	23.92	23.87		
20	QPSK	25	0	23.07	23.24	23.19	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	19.59	19.61	21.0	4.5
Channel				166300	167300	168300		
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		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.86	23.98	23.86	25.5	0.0

n7 Ant1 DSI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq. 502000	Middle Ch. / Freq. 507000	High Ch. / Freq. 512000		
Channel				2310	2325	2330		
Frequency (MHz)				502000	507000	512000		
20	PI/2 BPSK	1	1	22.70	22.96	22.85		
20	PI/2 BPSK	1	26	22.78	22.90	22.77	24.0	0.0
20	PI/2 BPSK	1	49	22.72	22.89	22.84		
20	PI/2 BPSK	25	0	22.75	22.87	22.77	24.0	0.0
20	PI/2 BPSK	25	13	22.75	22.89	22.79	24.0	0.0
20	PI/2 BPSK	25	26	22.80	22.83	22.79	24.0	0.0
20	PI/2 BPSK	50	0	22.71	22.89	22.83		
20	QPSK	1	1	22.80	22.97	22.81		
20	QPSK	1	26	22.83	22.82	22.80	24.0	0.0
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	24.0	0.0
20	64QAM	1	1	21.81	21.92	21.85	23.0	1.0
20	256QAM	1	1	19.82	19.91	19.86	21.0	3.0
Channel				501500	507000	512500		
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	22.74	22.94	22.89	24.0	0.0
Channel				501000	507000	513000		
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	22.89	22.87	22.74	24.0	0.0



n38 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				516000	516000	522000			
Frequency (MHz)				2580	2595	2610			
20	Pi/2 BPSK	1	1	21.90	21.91	21.98			
20	Pi/2 BPSK	1	26	21.89	21.91	22.05	23.5	0.0	
20	Pi/2 BPSK	1	49	21.92	21.90	22.02			
20	Pi/2 BPSK	25	0	21.93	21.85	22.01	23.5	0.0	
20	Pi/2 BPSK	25	13	21.91	21.91	21.95	23.5	0.0	
20	Pi/2 BPSK	25	26	21.90	21.84	21.98			
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	23.5	0.0	
20	QPSK	1	49	21.92	21.89	22.01			
20	QPSK	25	0	21.90	21.81	21.98	23.5	0.0	
20	QPSK	25	13	21.90	22.00	21.87	23.5	0.0	
20	QPSK	25	26	21.99	21.92	22.01	23.5	0.0	
20	QPSK	50	0	22.01	21.89	21.95			
20	16QAM	1	1	21.96	21.90	22.05	23.5	0.0	
20	64QAM	1	1	21.49	21.51	21.57	23.0	0.5	
20	256QAM	1	1	19.52	19.45	19.60	21.0	2.5	
Channel				515902	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49			
15	Pi/2 BPSK	1	1	22.01	21.80	21.99	23.5	0.0	
Channel				515304	516000	522396			
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				505202	518598	529600			
Frequency (MHz)				2548.01	2592.99	2650			
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	23.94	23.79	24.5	0.0	
100	QPSK	1	271	22.76	22.89	22.81			
100	QPSK	135	0	23.57	23.57	23.58	24.5	0.0	
100	QPSK	135	69	23.90	23.92	23.88	24.5	0.0	
100	QPSK	135	138	23.56	23.49	23.61	24.5	0.0	
100	QPSK	270	0	23.59	23.72	23.56			
100	16QAM	1	1	23.79	23.79	23.75	24.5	0.0	
100	64QAM	1	1	22.42	22.46	22.47	23.0	1.5	
100	256QAM	1	1	20.34	20.33	20.36	21.0	3.5	
Channel				508200	518598	528996			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	123	23.85	23.82	23.43	24.5	0.0	
Channel				507204	513598	525996			
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			
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	23.82	23.88	23.57	24.5	0.0	
Channel				504204	513598	530996			
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			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	23.81	23.88	23.88	24.5	0.0	
Channel				501204	518598	533998			
Frequency (MHz)				2508.02	2592.99	2679.99			
20	QPSK	1	26	23.73	23.72	23.83	24.5	0.0	
Channel				500700	518598	538496			
Frequency (MHz)				2503.3	2592.99	2692.48			
15	QPSK	1	19	23.75	23.74	23.61	24.5	0.0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	12	23.73	23.86	23.51	24.5	0.0	

n41 PC2 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				505202	518598	529200			
Frequency (MHz)				2548.01	2592.99	2640			
100	Pi/2 BPSK	1	1	24.55	24.71	24.47			
100	Pi/2 BPSK	1	137	24.57	24.79	24.55	25.5	0.0	
100	Pi/2 BPSK	1	271	24.61	24.78	24.49			
100	Pi/2 BPSK	135	0	24.62	24.71	24.53	25.5	0.0	
100	Pi/2 BPSK	135	69	24.53	24.76	24.58	25.5	0.0	
100	Pi/2 BPSK	135	138	24.63	24.75	24.48			
100	Pi/2 BPSK	270	0	24.53	24.77	24.55	25.5	0.0	
100	QPSK	1	1	24.51	24.79	24.45			
100	QPSK	1	137	24.59	24.81	24.53	25.5	0.0	
100	QPSK	1	271	24.52	24.79	24.52			
100	QPSK	135	0	24.02	24.28	23.93	25.0	0.5	
100	QPSK	135	69	24.35	24.72	24.34	25.5	0.0	
100	QPSK	135	138	23.99	24.26	23.91	25.0	0.5	
100	QPSK	270	0	24.07	24.29	23.98			
100	16QAM	1	1	23.99	24.35	23.89	25.0	0.5	
100	64QAM	1	1	22.57	22.75	22.69	23.5	2.0	
100	256QAM	1	1	21.24	21.30	21.19	21.5	4.0	
Channel				508200	518598	528996			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	123	24.39	24.63	24.31	25.5	0.0	
Channel				507204	513598	525996			
Frequency (MHz)				2538.02	2592.99	2649.99			
80	QPSK	1	109	24.44	24.23	23.91	25.5	0.0	
Channel				505200	518598	531996			
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	24.41	24.72	24.40	25.5	0.0	
Channel				504204	513598	530996			
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			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	24.47	24.67	24.38	25.5	0.0	
Channel				501204	518598	533998			
Frequency (MHz)				2508.02	2592.99	2679.99			
20	QPSK	1	26	24.43	24.65	24.42	25.5	0.0	
Channel				500700	518598	538496			
Frequency (MHz)				2503.3	2592.99	2692.48			
15	QPSK	1	19	24.39	24.64	24.32	25.5	0.0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	12	24.42	24.62	24.39	25.5	0.0	



n7 Ant2 DSI2							
Channel	Frequency (MHz)	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
20	502600	2510	507000	512300			
20	21.32	21.45	21.31				
20	21.44	21.51	21.41		23.0	0.0	
20	21.32	21.44	21.38				
20	21.28	21.53	21.30		23.0	0.0	
20	21.28	21.52	21.37		23.0	0.0	
20	21.33	21.45	21.39				
20	21.27	21.51	21.43		23.0	0.0	
20	21.34	21.57	21.37				
20	21.36	21.54	21.38		23.0	0.0	
20	21.35	21.47	21.41				
20	21.40	21.43	21.30		23.0	0.0	
20	21.28	21.46	21.44		23.0	0.0	
20	21.25	21.31	21.27				
20	21.29	21.34	21.32		23.0	0.0	
20	21.35	21.40	21.37		23.0	0.0	
20	20.78	20.97	20.92		22.5	0.5	
20	18.84	19.01	18.87		20.5	2.5	
Channel	501500	507000	512500				
Frequency (MHz)	2507.5	2535	2562.5				
15	21.28	21.42	21.33		23.0	0.0	
Channel	501000	507000	513000				
Frequency (MHz)	2605	2635	2665				
10	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				516500	518000	522000			
Frequency (MHz)				2550	2595	2610			
20	PI/2 BPSK	1	1	19.68	19.69	19.65			
20	PI/2 BPSK	1	26	19.67	19.62	19.79	21.5	0.0	
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	19.54	19.79	21.5	0.0	
20	PI/2 BPSK	25	26	19.74	19.72	19.69			
20	PI/2 BPSK	50	0	19.72	19.65	19.66	21.5	0.0	
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	21.5	0.0	
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			
20	16QAM	1	1	19.68	19.63	19.79	21.5	0.0	
20	64QAM	1	1	19.66	19.67	19.71	21.5	0.0	
20	256QAM	1	1	18.85	18.74	18.87	20.5	1.0	
Channel				515502	518000	522498			
Frequency (MHz)				2577.51	2595	2612.49			
15	PI/2 BPSK	1	1	19.68	19.69	19.74	21.5	0.0	
Channel				515504	518000	522596			
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				506200	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	20.18	20.34	20.18			
100	PI/2 BPSK	1	137	20.22	20.33	20.20	21.5	0.0	
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			
100	PI/2 BPSK	270	0	20.23	20.38	20.25	21.5	0.0	
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			
100	QPSK	135	0	20.13	20.31	20.22	21.5	0.0	
100	QPSK	135	69	20.17	20.44	20.14	21.5	0.0	
100	QPSK	135	138	20.19	20.33	20.17	21.5	0.0	
100	QPSK	270	0	20.24	20.40	20.20			
100	16QAM	1	1	20.18	20.34	20.22	21.5	0.0	
100	64QAM	1	1	20.18	20.38	20.20	21.5	0.0	
100	256QAM	1	1	19.61	19.56	19.62	21.5	0.0	
Channel				508200	518598	528996			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	123	20.15	20.38	20.32	21.5	0.0	
Channel				507204	518598	528996			
Frequency (MHz)				2538.02	2592.99	2646.99			
80	QPSK	1	109	20.19	20.29	20.24	21.5	0.0	
Channel				506200	518598	531996			
Frequency (MHz)				2526	2592.99	2659.98			
80	QPSK	1	81	20.13	20.38	20.29	21.5	0.0	
Channel				504204	518598	532992			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	20.17	20.36	20.28	21.5	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	20.12	20.23	20.19	21.5	0.0	
Channel				501204	518598	535996			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	20.13	20.17	20.22	21.5	0.0	
Channel				500700	518598	536498			
Frequency (MHz)				2503.15	2592.99	2682.48			
15	QPSK	1	19	20.18	20.31	20.22	21.5	0.0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	12	20.07	20.19	20.12	21.5	0.0	



Par270 n77 PC2&3 Ant2 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	666000	662000			
Frequency (MHz)				3750	3850	3950			
100	PI/2 BPSK	1	1	20.63	20.74	20.72			
100	PI/2 BPSK	1	137	20.56	20.66	20.62	22.0	0.0	
100	PI/2 BPSK	1	271	20.56	20.72	20.72			
100	PI/2 BPSK	135	0	20.64	20.66	20.65	22.0	0.0	
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			
100	PI/2 BPSK	270	0	20.59	20.75	20.61	22.0	0.0	
100	QPSK	1	1	20.57	20.70	20.63			
100	QPSK	1	137	20.55	20.78	20.73	22.0	0.0	
100	QPSK	1	271	20.66	20.74	20.74			
100	QPSK	135	0	20.66	20.67	20.64	22.0	0.0	
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			
100	16QAM	1	1	20.55	20.75	20.67	22.0	0.0	
100	64QAM	1	1	20.50	20.76	20.62	22.0	0.0	
100	256QAM	1	1	20.58	20.68	20.71	22.0	0.0	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	123	20.56	20.76	20.71	22.0	0.0	
Channel				645334	656000	662668	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				645334	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	3950			
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	

Part27Q n77 PC2&3 Ant2 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				633000	633334	633668			
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	20.55					
100	PI/2 BPSK	1	137	20.50			22.0	0.0	
100	PI/2 BPSK	1	271	20.61					
100	PI/2 BPSK	135	0	20.53			22.0	0.0	
100	PI/2 BPSK	135	69	20.55			22.0	0.0	
100	PI/2 BPSK	135	138	20.55					
100	PI/2 BPSK	270	0	20.57			22.0	0.0	
100	QPSK	1	1	20.56					
100	QPSK	1	137	20.65			22.0	0.0	
100	QPSK	1	271	20.54					
100	QPSK	135	0	20.46			22.0	0.0	
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					
100	16QAM	1	1	20.49			22.0	0.0	
100	64QAM	1	1	20.54			22.0	0.0	
100	256QAM	1	1	20.48			22.0	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	123	20.36	20.41	20.42	22.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109	20.38	20.32	20.44	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	20.31	20.34	20.42	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	20.39	20.40	20.43	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	20.30	20.41	20.45	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	20.30	20.42	20.47	22.0	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	19	20.25	20.43	20.35	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	20.37	20.43	20.40	22.0	0.0	



Part270 n78 PC2&3 Ant2 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				650000					
Frequency (MHz)				3750					
100	PI/2 BPSK	1	1		20.58				
100	PI/2 BPSK	1	137		20.64		22.0	0.0	
100	PI/2 BPSK	1	271		20.60				
100	PI/2 BPSK	135	0		20.64		22.0	0.0	
100	PI/2 BPSK	135	69		20.59		22.0	0.0	
100	PI/2 BPSK	135	138		20.53				
100	PI/2 BPSK	270	0		20.51		22.0	0.0	
100	QPSK	1	1		20.88				
100	QPSK	1	137		20.70		22.0	0.0	
100	QPSK	1	271		20.66				
100	QPSK	135	0		20.62		22.0	0.0	
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		22.0	0.0	
100	64QAM	1	1		20.51		22.0	0.0	
100	256QAM	1	1		20.61		22.0	0.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	123		20.62	20.63	20.69	22.0	0.0
Channel				649334	650000	650666	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	651666	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	652666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	26		20.47	20.47	20.63	22.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	19		20.54	20.53	20.65	22.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	12		20.54	20.47	20.57	22.0	0.0

Part27Q 78 PC2&3 Ant2 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				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		20.53				
100	PI/2 BPSK	1	137		20.53		22.0	0.0	
100	PI/2 BPSK	1	271		20.51				
100	PI/2 BPSK	135	0		20.53		22.0	0.0	
100	PI/2 BPSK	135	69		20.52		22.0	0.0	
100	PI/2 BPSK	135	138		20.61				
100	PI/2 BPSK	270	0		20.52		22.0	0.0	
100	QPSK	1	1		20.60				
100	QPSK	1	137		20.62		22.0	0.0	
100	QPSK	1	271		20.54				
100	QPSK	135	0		20.52		22.0	0.0	
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		22.0	0.0	
100	64QAM	1	1		20.55		22.0	0.0	
100	256QAM	1	1		20.60		22.0	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	123		20.41	20.53	20.46	22.0	0.0
Channel				632668	633334	634000	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)				3459.5	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	656000	656000			
Frequency (MHz)				3750	3550	3550			
100	PI/2 BPSK	1	1	22.40	22.58	22.49			
100	PI/2 BPSK	1	137	23.45	23.53	23.46	24.0	0.0	
100	PI/2 BPSK	1	271	22.35	22.52	22.49			
100	PI/2 BPSK	135	0	23.24	23.40	23.35	24.0	0.0	
100	PI/2 BPSK	135	69	23.43	23.27	23.48	24.0	0.0	
100	PI/2 BPSK	135	138	23.25	23.42	23.35			
100	PI/2 BPSK	270	0	23.40	23.44	23.29	24.0	0.0	
100	QPSK	1	1	22.37	22.50	22.46			
100	QPSK	1	137	23.56	23.61	23.53	24.0	0.0	
100	QPSK	1	271	22.31	22.49	22.37			
100	QPSK	135	0	23.27	23.43	23.28	24.0	0.0	
100	QPSK	135	69	23.28	23.49	23.33	24.0	0.0	
100	QPSK	135	138	23.35	23.37	23.20	24.0	0.0	
100	QPSK	270	0	23.26	23.37	23.18			
100	16QAM	1	1	22.31	22.33	22.32	24.0	0.0	
100	64QAM	1	1	22.81	22.85	22.83	23.5	0.5	
100	256QAM	1	1	21.26	21.15	21.13	21.5	2.5	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	123	22.96	23.25	23.05	24.0	0.0	
Channel				645334	656000	662968	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	109	22.96	23.21	23.20	24.0	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	81	22.99	23.11	23.22	24.0	0.0	
Channel				645334	656000	663368	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	67	23.02	23.27	23.08	24.0	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3950			
40	QPSK	1	53	23.11	23.11	23.05	24.0	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	26	23.04	23.25	23.17	24.0	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	19	23.05	23.11	23.22	24.0	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	12	23.10	23.13	23.18	24.0	0.0	

Part27Q n77 PC2&3 Ant3 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334	633334	633334			
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1			22.73			
100	PI/2 BPSK	1	137			23.44	24.0	0.0	
100	PI/2 BPSK	1	271			22.53			
100	PI/2 BPSK	135	0			23.32	24.0	0.0	
100	PI/2 BPSK	135	69			23.37	24.0	0.0	
100	PI/2 BPSK	135	138			23.38			
100	PI/2 BPSK	270	0			23.46	24.0	0.0	
100	QPSK	1	1			22.65			
100	QPSK	1	137			23.50	24.0	0.0	
100	QPSK	1	271			22.49			
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			
100	16QAM	1	1			22.40	24.0	0.0	
100	64QAM	1	1			22.95	23.5	0.5	
100	256QAM	1	1			21.21	21.5	2.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	123	23.28	23.27	23.19	24.0	0.0	
Channel				632968	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109	23.26	23.15	23.22	24.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	81	23.22	23.29	23.26	24.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67	23.17	23.16	23.15	24.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53	23.11	23.16	23.25	24.0	0.0	
Channel				630968	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465.02	3500.01	3540			
20	QPSK	1	26	23.12	23.17	23.18	24.0	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3467.5	3500.01	3542.52			
15	QPSK	1	19	23.14	23.16	23.16	24.0	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	12	23.29	23.30	23.28	24.0	0.0	



Part270 n78 PC2&3 Ant3 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				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		22.80				
100	QPSK	1	137		23.53		24.0	0.0	
100	QPSK	1	271		22.52				
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				
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				649334	650000	650566	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		23.35	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	23.39	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	23.28	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

Part270 78 PC2&3 Ant3 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				633334					
Frequency (MHz)				6300.01					
100	PI/2 BPSK	1	1		22.32				
100	PI/2 BPSK	1	137		23.12		24.0	0.0	
100	PI/2 BPSK	1	271		22.27				
100	PI/2 BPSK	135	0		23.20				
100	PI/2 BPSK	135	69		23.20		24.0	0.0	
100	PI/2 BPSK	135	138		23.02				
100	PI/2 BPSK	270	0		23.06		24.0	0.0	
100	QPSK	1	1		22.38				
100	QPSK	1	137		23.24		24.0	0.0	
100	QPSK	1	271		22.27				
100	QPSK	135	0		23.15				
100	QPSK	135	69		23.19		24.0	0.0	
100	QPSK	135	138		23.07				
100	QPSK	270	0		23.12		24.0	0.0	
100	16QAM	1	1		22.14		24.0	0.0	
100	64QAM	1	1		22.79		23.5	0.5	
100	256QAM	1	1		20.80		21.5	2.5	
Channel				633000	633334	633668	Tune-up limit (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



n5 Ant4 Default power								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166300	167300	167800		
Frequency (MHz)				831.5	836.5	839		
20	PI/2 BPSK	1	1	23.94	24.14	24.11	25.5	0.0
20	PI/2 BPSK	1	26	23.95	24.04	23.86		
20	PI/2 BPSK	1	49	23.74	23.96	23.83		
20	PI/2 BPSK	25	0	23.47	23.64	23.50	25.0	0.5
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	22.81	23.05	22.98	24.5	1.0
20	QPSK	50	0	22.87	23.10	22.91		
20	16QAM	1	1	22.58	22.65	22.52		
20	64QAM	1	1	21.10	21.20	21.02	23.0	2.5
20	256QAM	1	1	19.73	19.75	19.58	21.0	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.95	24.11	24.13	25.5	0.0
Channel				165900	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	24.02	24.16	24.09	25.5	0.0

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



n38 Ant4 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				516000	516000	522000			
				2580	2595	2610			
20	Pi/2 BPSK	1	1	22.91	23.02	22.69			
20	Pi/2 BPSK	1	26	22.91	23.03	22.78	24.0	0.0	
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			
20	Pi/2 BPSK	50	0	22.92	23.04	22.75	24.0	0.0	
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	24.0	0.0	
20	QPSK	25	13	22.85	22.97	22.71	24.0	0.0	
20	QPSK	25	26	22.91	22.83	22.77			
20	QPSK	50	0	22.88	22.95	22.73	24.0	0.0	
20	16QAM	1	1	22.92	22.95	22.80	24.0	0.0	
20	64QAM	1	1	21.84	22.01	21.78	23.0	1.0	
20	256QAM	1	1	19.82	19.98	19.77	21.0	3.0	
Channel									
Frequency (MHz)				515502	519000	522498			
				2577.51	2595	2612.49			
15	Pi/2 BPSK	1	1	22.88	22.96	22.73	24.0	0.0	
Channel									
Frequency (MHz)				515504	519000	522498			
				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									
Frequency (MHz)				509202	518598	526900			
				2546.01	2592.99	2640			
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	24.06	24.25	24.19			
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	22.76	23.0	1.5	
100	256QAM	1	1	20.66	20.71	20.68	21.0	3.5	
Channel									
Frequency (MHz)				508200	518598	526996			
				2541	2592.99	2644.98			
90	QPSK	1	123	24.04	24.22	24.11	24.5	0.0	
Channel									
Frequency (MHz)				507204	518598	526996			
				2536.02	2592.99	2649.99			
80	QPSK	1	109	24.15	24.01	24.03	24.5	0.0	
Channel									
Frequency (MHz)				505200	518598	531996			
				2526	2592.99	2659.98			
60	QPSK	1	81	24.11	24.15	24.07	24.5	0.0	
Channel									
Frequency (MHz)				502204	518598	532996			
				2521.02	2592.99	2664.99			
50	QPSK	1	67	24.14	24.00	24.14	24.5	0.0	
Channel									
Frequency (MHz)				503202	518598	534000			
				2516.01	2592.99	2670			
40	QPSK	1	53	24.01	24.13	24.08	24.5	0.0	
Channel									
Frequency (MHz)				501204	518598	535998			
				2506.02	2592.99	2679.99			
20	QPSK	1	26	24.12	24.02	24.04	24.5	0.0	
Channel									
Frequency (MHz)				500700	518598	536498			
				2503.3	2592.99	2682.43			
15	QPSK	1	19	24.17	24.16	24.01	24.5	0.0	
Channel									
Frequency (MHz)				500202	518598	537000			
				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									
Frequency (MHz)				509202	518598	526900			
				2546.01	2592.99	2640			
100	Pi/2 BPSK	1	1	23.06	23.31	23.33			
100	Pi/2 BPSK	1	137	23.12	23.39	23.25	24.5	0.0	
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			
100	Pi/2 BPSK	270	0	23.07	23.28	23.31	24.5	0.0	
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	24.5	0.0	
100	QPSK	135	69	23.11	23.35	23.26	24.5	0.0	
100	QPSK	135	138	23.14	23.28	23.30			
100	QPSK	270	0	23.06	23.36	23.32			
100	16QAM	1	1	23.09	23.35	23.30	24.5	0.0	
100	64QAM	1	1	22.05	22.29	22.22	23.5	1.0	
100	256QAM	1	1	20.09	20.36	20.20	21.5	3.0	
Channel									
Frequency (MHz)				508200	518598	526996			
				2541	2592.99	2644.98			
90	QPSK	1	123	23.01	23.25	23.15	24.5	0.0	
Channel									
Frequency (MHz)				507204	518598	526996			
				2536.02	2592.99	2649.99			
80	QPSK	1	109	23.03	23.26	23.14	24.5	0.0	
Channel									
Frequency (MHz)				505200	518598	531996			
				2526	2592.99	2659.98			
60	QPSK	1	81	22.99	23.19	23.19	24.5	0.0	
Channel									
Frequency (MHz)				502204	518598	532996			
				2521.02	2592.99	2664.99			
50	QPSK	1	67	23.04	23.25	23.22	24.5	0.0	
Channel									
Frequency (MHz)				503202	518598	534000			
				2516.01	2592.99	2670			
40	QPSK	1	53	23.08	23.17	23.22	24.5	0.0	
Channel									
Frequency (MHz)				501204	518598	535998			
				2506.02	2592.99	2679.99			
20	QPSK	1	26	23.08	23.27	23.09	24.5	0.0	
Channel									
Frequency (MHz)				500700	518598	536498			
				2503.3	2592.99	2682.43			
15	QPSK	1	19	22.98	23.18	23.21	24.5	0.0	
Channel									
Frequency (MHz)				500202	518598	537000			
				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	662000			
Frequency (MHz)				3750	3850	3950			
100	PI/2 BPSK	1	1	15.50	15.52	15.39			
100	PI/2 BPSK	1	137	15.49	15.48	15.38	17.0	0.0	
100	PI/2 BPSK	1	271	15.40	15.55	15.30			
100	PI/2 BPSK	135	0	15.49	15.47	15.42	17.0	0.0	
100	PI/2 BPSK	135	69	15.41	15.45	15.31	17.0	0.0	
100	PI/2 BPSK	135	138	15.39	15.43	15.36			
100	PI/2 BPSK	270	0	15.38	15.54	15.40	17.0	0.0	
100	QPSK	1	1	15.45	15.49	15.33			
100	QPSK	1	137	15.55	15.59	15.45	17.0	0.0	
100	QPSK	1	271	15.46	15.44	15.40			
100	QPSK	135	0	15.42	15.45	15.36	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	15.51	15.30			
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	666000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	123	15.49	15.53	15.29	17.0	0.0	
Channel				648334	666000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	109	15.48	15.50	15.36	17.0	0.0	
Channel				648668	666000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	81	15.43	15.49	15.35	17.0	0.0	
Channel				648334	666000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	67	15.50	15.54	15.31	17.0	0.0	
Channel				648000	666000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	53	15.52	15.51	15.34	17.0	0.0	
Channel				647334	666000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	26	15.41	15.44	15.29	17.0	0.0	
Channel				647168	666000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	19	15.52	15.44	15.31	17.0	0.0	
Channel				647000	666000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	12	15.41	15.48	15.29	17.0	0.0	

Part27Q n77 PC3 Ant5 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	633501			
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1			15.46			
100	PI/2 BPSK	1	137			15.37	17.0	0.0	
100	PI/2 BPSK	1	271			15.38			
100	PI/2 BPSK	135	0			15.44			
100	PI/2 BPSK	135	69			15.39	17.0	0.0	
100	PI/2 BPSK	135	138			15.44			
100	PI/2 BPSK	270	0			15.39	17.0	0.0	
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	17.0	0.0	
100	QPSK	135	138			15.37			
100	QPSK	270	0			15.36	17.0	0.0	
100	16QAM	1	1			15.45	17.0	0.0	
100	64QAM	1	1			15.45	17.0	0.0	
100	256QAM	1	1			15.44	17.0	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	123	15.39	15.26	15.34	17.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109	15.35	15.29	15.40	17.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	81	15.27	15.24	15.44	17.0	0.0	
Channel				631668	633334	635500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67	15.39	15.29	15.44	17.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53	15.29	15.29	15.34	17.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26	15.37	15.24	15.43	17.0	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.15	3500.01	3542.52			
15	QPSK	1	19	15.32	15.37	15.41	17.0	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	12	15.32	15.37	15.34	17.0	0.0	



Part270 n78 PC3 Ant5 DSI2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				650000			
Frequency (MHz)				3750			
100	PI/2 BPSK	1	1	15.44			
100	PI/2 BPSK	1	137	15.46			
100	PI/2 BPSK	1	271	15.44			
100	PI/2 BPSK	135	0	15.42			17.0
100	PI/2 BPSK	135	69	15.44			17.0
100	PI/2 BPSK	135	138	15.44			17.0
100	PI/2 BPSK	270	0	15.43			17.0
100	QPSK	1	1	15.40			
100	QPSK	1	137	15.53			17.0
100	QPSK	1	271	15.50			17.0
100	QPSK	135	0	15.42			17.0
100	QPSK	135	69	15.45			17.0
100	QPSK	135	138	15.38			17.0
100	QPSK	270	0	15.40			17.0
100	16QAM	0	1	15.49			17.0
100	64QAM	1	1	15.39			17.0
100	256QAM	1	1	15.42			17.0
Channel				649688	650000	650334	Tune-up limit MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm) (dB)
90	QPSK	1	123	15.52	15.49	15.47	17.0
Channel				649334	650000	650668	Tune-up limit MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm) (dB)
80	QPSK	1	109	15.39	15.49	15.48	17.0
Channel				648668	650000	651334	Tune-up limit MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm) (dB)
60	QPSK	1	81	15.41	15.48	15.41	17.0
Channel				648334	650000	651668	Tune-up limit MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm) (dB)
50	QPSK	1	67	15.48	15.50	15.47	17.0
Channel				648000	650000	652000	Tune-up limit MPR
Frequency (MHz)				3720	3750	3780	(dBm) (dB)
40	QPSK	1	53	15.48	15.43	15.49	17.0
Channel				647334	650000	652668	Tune-up limit MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm) (dB)
20	QPSK	1	26	15.50	15.49	15.47	17.0
Channel				647168	650000	652834	Tune-up limit MPR
Frequency (MHz)				3707.52	3750	3792.51	(dBm) (dB)
15	QPSK	1	19	15.43	15.45	15.42	17.0
Channel				647000	650000	653000	Tune-up limit MPR
Frequency (MHz)				3705	3750	3795	(dBm) (dB)
10	QPSK	1	12	15.48	15.44	15.41	17.0

Part27Q 78 PC3 Ant5 DSI2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				633334			
Frequency (MHz)				630001			
100	PI/2 BPSK	1	1	15.35			
100	PI/2 BPSK	1	137	15.30			
100	PI/2 BPSK	1	271	15.30			
100	PI/2 BPSK	135	0	15.29			17.0
100	PI/2 BPSK	135	69	15.32			17.0
100	PI/2 BPSK	135	138	15.29			17.0
100	PI/2 BPSK	270	0	15.29			17.0
100	QPSK	1	1	15.33			
100	QPSK	1	137	15.38			17.0
100	QPSK	1	271	15.32			17.0
100	QPSK	135	0	15.36			17.0
100	QPSK	135	69	15.35			17.0
100	QPSK	135	138	15.29			17.0
100	QPSK	270	0	15.30			17.0
100	16QAM	1	1	15.36			17.0
100	64QAM	1	1	15.31			17.0
100	256QAM	1	1	15.28			17.0
Channel				633000	633334	633668	Tune-up limit MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm) (dB)
90	QPSK	1	123	15.09	15.16	15.24	17.0
Channel				632668	633334	634000	Tune-up limit MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm) (dB)
80	QPSK	1	109	15.22	15.22	15.31	17.0
Channel				632000	633334	634668	Tune-up limit MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm) (dB)
60	QPSK	1	81	15.15	15.19	15.19	17.0
Channel				631668	633334	635000	Tune-up limit MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm) (dB)
50	QPSK	1	67	15.12	15.27	15.28	17.0
Channel				631334	633334	635334	Tune-up limit MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm) (dB)
40	QPSK	1	53	15.19	15.27	15.21	17.0
Channel				630968	633334	635968	Tune-up limit MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm) (dB)
20	QPSK	1	26	15.19	15.23	15.20	17.0
Channel				630500	633334	636168	Tune-up limit MPR
Frequency (MHz)				3450	3500.01	3542.52	(dBm) (dB)
15	QPSK	1	19	15.12	15.24	15.31	17.0
Channel				630334	633334	636334	Tune-up limit MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm) (dB)
10	QPSK	1	12	15.21	15.23	15.29	17.0



Par270 n77 PC3 Ant6 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				656000	656000	662000			
Frequency (MHz)				3750	3550	3950			
100	PI/2 BPSK	1	1	17.43	17.53	17.47			
100	PI/2 BPSK	1	137	17.54	17.55	17.56	18.0	0.0	
100	PI/2 BPSK	1	271	17.45	17.56	17.53			
100	PI/2 BPSK	135	0	17.47	17.54	17.56	18.0	0.0	
100	PI/2 BPSK	135	69	17.43	17.52	17.51	18.0	0.0	
100	PI/2 BPSK	135	138	17.45	17.53	17.56			
100	PI/2 BPSK	270	0	17.49	17.54	17.50	18.0	0.0	
100	QPSK	1	1	17.45	17.47	17.49			
100	QPSK	1	137	17.49	17.57	17.49	18.0	0.0	
100	QPSK	1	271	17.46	17.46	17.44			
100	QPSK	135	0	17.52	17.52	17.50	18.0	0.0	
100	QPSK	135	69	17.44	17.54	17.46	18.0	0.0	
100	QPSK	135	138	17.46	17.48	17.48	18.0	0.0	
100	QPSK	270	0	17.51	17.56	17.44			
100	16QAM	1	1	17.46	17.52	17.56	18.0	0.0	
100	64QAM	1	1	17.49	17.52	17.56	18.0	0.0	
100	256QAM	1	1	17.50	17.56	17.44	18.0	0.0	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	123	17.46	17.50	17.50	18.0	0.0	
Channel				645334	656000	662968	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	109	17.53	17.59	17.48	18.0	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	81	17.50	17.56	17.44	18.0	0.0	
Channel				645334	656000	663968	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	67	17.50	17.57	17.49	18.0	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	53	17.41	17.54	17.53	18.0	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	26	17.55	17.52	17.55	18.0	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	19	17.48	17.53	17.46	18.0	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	12	17.55	17.48	17.44	18.0	0.0	

Part27Q n77 PC3 Ant6 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633334	633668			
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1			16.47			
100	PI/2 BPSK	1	137			16.46	18.0	0.0	
100	PI/2 BPSK	1	271			16.42			
100	PI/2 BPSK	135	0			16.37	18.0	0.0	
100	PI/2 BPSK	135	69			16.40			
100	PI/2 BPSK	135	138			16.41			
100	PI/2 BPSK	270	0			16.40	18.0	0.0	
100	QPSK	1	1			16.44			
100	QPSK	1	137			16.48	18.0	0.0	
100	QPSK	1	271			16.40			
100	QPSK	135	0			16.37	18.0	0.0	
100	QPSK	135	69			16.40			
100	QPSK	135	138			16.30	18.0	0.0	
100	QPSK	270	0			16.42			
100	16QAM	1	1			16.39	18.0	0.0	
100	64QAM	1	1			16.44	18.0	0.0	
100	256QAM	1	1			16.37	18.0	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	123	16.38	16.46	16.39	18.0	0.0	
Channel				632968	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	16.26	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				630000	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	



Part270 n78 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								
Frequency (MHz)								
100	PI/2 BPSK	1	1	17.52	17.52	17.52	18.0	0.0
100	PI/2 BPSK	1	137	17.48	17.48	17.48	18.0	0.0
100	PI/2 BPSK	1	271	17.42	17.42	17.42	18.0	0.0
100	PI/2 BPSK	135	0	17.46	17.46	17.46	18.0	0.0
100	PI/2 BPSK	135	69	17.46	17.46	17.46	18.0	0.0
100	PI/2 BPSK	135	138	17.43	17.43	17.43	18.0	0.0
100	PI/2 BPSK	270	0	17.50	17.50	17.50	18.0	0.0
100	QPSK	1	1	17.41	17.41	17.41	18.0	0.0
100	QPSK	1	137	17.55	17.55	17.55	18.0	0.0
100	QPSK	1	271	17.48	17.48	17.48	18.0	0.0
100	QPSK	135	0	17.38	17.38	17.38	18.0	0.0
100	QPSK	135	69	17.45	17.45	17.45	18.0	0.0
100	QPSK	135	138	17.44	17.44	17.44	18.0	0.0
100	QPSK	270	0	17.42	17.42	17.42	18.0	0.0
100	16QAM	0	1	17.44	17.44	17.44	18.0	0.0
100	64QAM	1	1	17.50	17.50	17.50	18.0	0.0
100	256QAM	1	1	17.48	17.48	17.48	18.0	0.0
Channel				649688	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01	18.0	0.0
90	QPSK	1	123	17.50	17.46	17.46	18.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02	18.0	0.0
80	QPSK	1	109	17.37	17.29	17.37	18.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01	18.0	0.0
60	QPSK	1	81	17.38	17.33	17.30	18.0	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02	18.0	0.0
50	QPSK	1	67	17.45	17.30	17.37	18.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780	18.0	0.0
40	QPSK	1	53	17.39	17.42	17.35	18.0	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02	18.0	0.0
20	QPSK	1	26	17.43	17.42	17.34	18.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.61	18.0	0.0
15	QPSK	1	19	17.45	17.37	17.41	18.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795	18.0	0.0
10	QPSK	1	12	17.41	17.40	17.29	18.0	0.0

Part27Q 78 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								
Frequency (MHz)								
100	PI/2 BPSK	1	1	16.32	16.32	16.32	18.0	0.0
100	PI/2 BPSK	1	137	16.31	16.31	16.31	18.0	0.0
100	PI/2 BPSK	1	271	16.35	16.35	16.35	18.0	0.0
100	PI/2 BPSK	135	0	16.41	16.41	16.41	18.0	0.0
100	PI/2 BPSK	135	69	16.30	16.30	16.30	18.0	0.0
100	PI/2 BPSK	135	138	16.38	16.38	16.38	18.0	0.0
100	PI/2 BPSK	270	0	16.28	16.28	16.28	18.0	0.0
100	QPSK	1	1	16.36	16.36	16.36	18.0	0.0
100	QPSK	1	137	16.42	16.42	16.42	18.0	0.0
100	QPSK	1	271	16.36	16.36	16.36	18.0	0.0
100	QPSK	135	0	16.37	16.37	16.37	18.0	0.0
100	QPSK	135	69	16.41	16.41	16.41	18.0	0.0
100	QPSK	135	138	16.39	16.39	16.39	18.0	0.0
100	QPSK	270	0	16.30	16.30	16.30	18.0	0.0
100	16QAM	1	1	16.38	16.38	16.38	18.0	0.0
100	64QAM	1	1	16.40	16.40	16.40	18.0	0.0
100	256QAM	1	1	16.38	16.38	16.38	18.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02	18.0	0.0
90	QPSK	1	123	16.32	16.33	16.39	18.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510	18.0	0.0
80	QPSK	1	109	16.23	16.17	16.31	18.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02	18.0	0.0
60	QPSK	1	81	16.20	16.24	16.24	18.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525	18.0	0.0
50	QPSK	1	67	16.25	16.23	16.27	18.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01	18.0	0.0
40	QPSK	1	53	16.24	16.29	16.31	18.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	18.0	0.0
20	QPSK	1	26	16.17	16.21	16.22	18.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52	18.0	0.0
15	QPSK	1	19	16.24	16.24	16.34	18.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01	18.0	0.0
10	QPSK	1	12	16.27	16.20	16.23	18.0	0.0