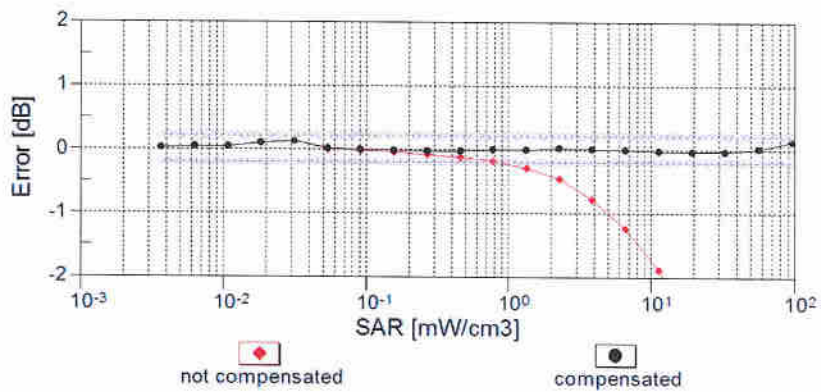
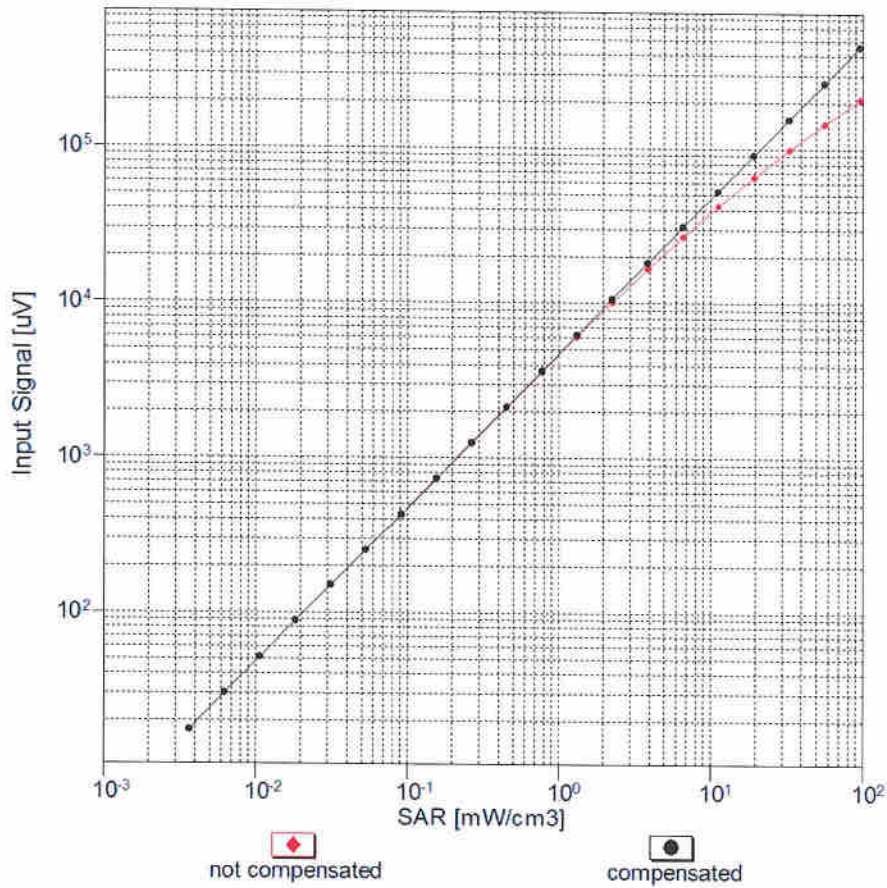
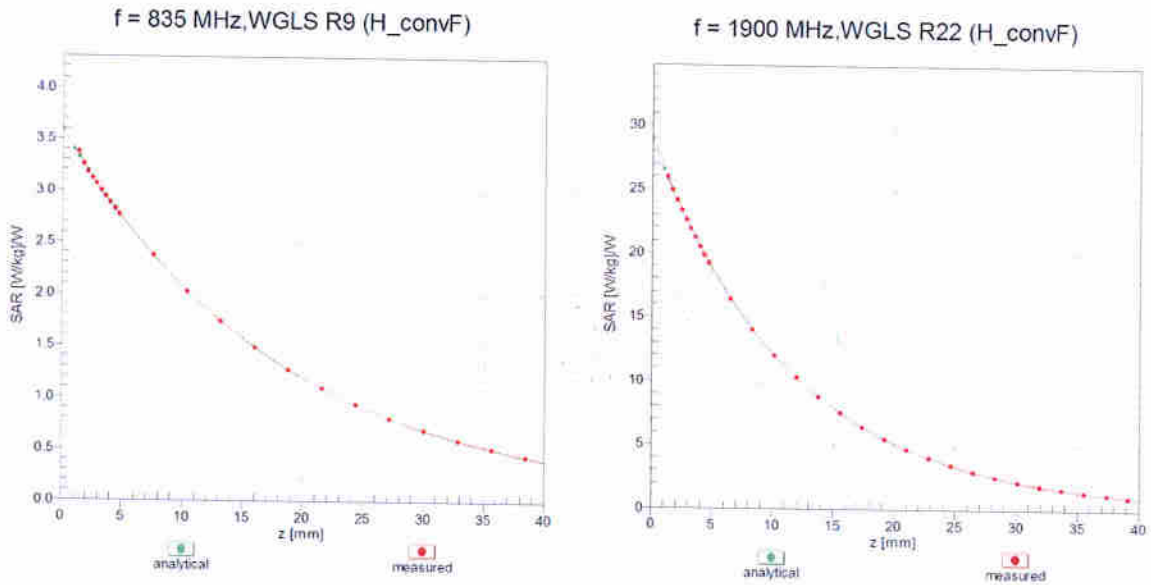


Dynamic Range $f(\text{SAR}_{\text{head}})$ (TEM cell , $f_{\text{eval}}= 1900 \text{ MHz}$)

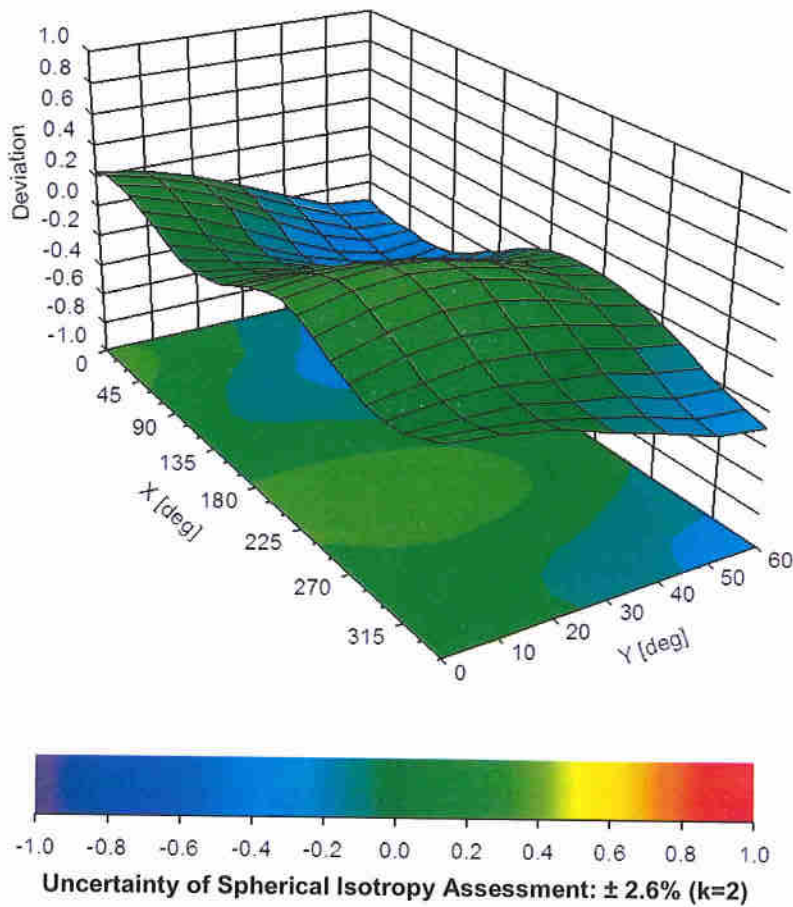


Uncertainty of Linearity Assessment: $\pm 0.6\%$ (k=2)

Conversion Factor Assessment



Deviation from Isotropy in Liquid Error (ϕ, ϑ), f = 900 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	CAC	UMTS-FDD (HSDPA)	WCDMA	3.98	± 9.6 %
10098	DAC	UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	± 9.6 %

10099	CAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	± 9.6 %
10100	CAC	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	5.67	± 9.6 %
10101	CAB	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	± 9.6 %
10102	CAB	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10103	DAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TDD	9.29	± 9.6 %
10104	CAE	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDD	9.97	± 9.6 %
10105	CAE	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TDD	10.01	± 9.6 %
10108	CAE	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	CAG	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	± 9.6 %
10115	CAG	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.46	± 9.6 %
10116	CAG	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.15	± 9.6 %
10117	CAG	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	CAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-FDD	6.49	± 9.6 %
10141	CAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-FDD	6.53	± 9.6 %
10142	CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10143	CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	6.35	± 9.6 %
10144	CAC	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	6.65	± 9.6 %
10145	CAC	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-FDD	5.76	± 9.6 %
10146	CAC	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.41	± 9.6 %
10147	CAC	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	CAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-TDD	9.28	± 9.6 %
10152	CAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-TDD	9.92	± 9.6 %
10153	CAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-TDD	10.05	± 9.6 %
10154	CAF	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-FDD	5.75	± 9.6 %
10155	CAF	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	± 9.6 %
10156	CAF	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-FDD	5.79	± 9.6 %
10157	CAE	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FDD	6.49	± 9.6 %
10158	CAE	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	CAG	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD	5.82	± 9.6 %
10161	CAG	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	6.43	± 9.6 %
10162	CAG	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.58	± 9.6 %
10166	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD	5.46	± 9.6 %
10167	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.21	± 9.6 %
10168	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.79	± 9.6 %
10169	CAG	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10170	CAG	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10171	CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-FDD	6.49	± 9.6 %
10172	CAE	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10173	CAE	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10174	CAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10175	CAF	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
10176	CAF	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10177	CAE	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10178	CAE	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10179	AAE	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	CAG	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
10182	CAG	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10183	CAG	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10184	CAG	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10185	CAI	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-FDD	6.51	± 9.6 %
10186	CAG	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10187	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10188	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10189	CAE	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10193	CAE	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN	8.09	± 9.6 %
10194	AAD	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.12	± 9.6 %
10195	CAE	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	8.21	± 9.6 %
10196	CAE	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.10	± 9.6 %
10197	AAE	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.13	± 9.6 %
10198	CAF	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8.27	± 9.6 %
10219	CAF	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.03	± 9.6 %
10220	AAF	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8.13	± 9.6 %
10221	CAC	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN	8.27	± 9.6 %
10222	CAC	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	CAD	UMTS-FDD (HSPA+)	WCDMA	5.97	± 9.6 %
10226	CAD	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.49	± 9.6 %
10227	CAD	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.26	± 9.6 %
10228	CAD	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD	9.22	± 9.6 %
10229	DAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10230	CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10231	CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TDD	9.19	± 9.6 %
10232	CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10233	CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10234	CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10235	CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10236	CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10237	CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10238	CAB	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10239	CAB	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10240	CAB	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	CAD	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.86	± 9.6 %
10243	CAD	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	CAG	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TDD	10.06	± 9.6 %
10246	CAG	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	CAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-TDD	10.17	± 9.6 %
10252	CAF	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	CAB	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-TDD	10.14	± 9.6 %
10255	CAB	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	CAD	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.08	± 9.6 %
10258	CAD	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	CAG	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.97	± 9.6 %
10261	CAG	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	CAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TDD	10.07	± 9.6 %
10267	CAF	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	CAB	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-TDD	10.13	± 9.6 %
10270	CAB	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	CAD	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	WCDMA	3.96	± 9.6 %
10277	CAD	PHS (QPSK)	PHS	11.81	± 9.6 %
10278	CAD	PHS (QPSK, BW 884MHz, Rolloff 0.5)	PHS	11.81	± 9.6 %
10279	CAG	PHS (QPSK, BW 884MHz, Rolloff 0.38)	PHS	12.18	± 9.6 %
10290	CAG	CDMA2000, RC1, SO55, Full Rate	CDMA2000	3.91	± 9.6 %
10291	CAG	CDMA2000, RC3, SO55, Full Rate	CDMA2000	3.46	± 9.6 %
10292	CAG	CDMA2000, RC3, SO32, Full Rate	CDMA2000	3.39	± 9.6 %
10293	CAG	CDMA2000, RC3, SO3, Full Rate	CDMA2000	3.50	± 9.6 %
10295	CAG	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	CDMA2000	12.49	± 9.6 %
10297	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	5.81	± 9.6 %
10298	CAF	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
10299	CAF	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-FDD	6.39	± 9.6 %
10300	CAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10301	CAC	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	WiMAX	12.03	± 9.6 %
10302	CAB	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3CTRL)	WiMAX	12.57	± 9.6 %
10303	CAB	IEEE 802.16e WiMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	WiMAX	12.52	± 9.6 %
10304	CAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	WiMAX	11.86	± 9.6 %
10305	CAA	IEEE 802.16e WiMAX (31:15, 10ms, 10MHz, 64QAM, PUSC)	WiMAX	15.24	± 9.6 %
10306	CAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 64QAM, PUSC)	WiMAX	14.67	± 9.6 %
10307	AAB	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC)	WiMAX	14.49	± 9.6 %
10308	AAB	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	WiMAX	14.46	± 9.6 %
10309	AAB	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3)	WiMAX	14.58	± 9.6 %
10310	AAB	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3)	WiMAX	14.57	± 9.6 %
10311	AAB	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-FDD	6.06	± 9.6 %
10313	AAD	iDEN 1:3	iDEN	10.51	± 9.6 %
10314	AAD	iDEN 1:6	iDEN	13.48	± 9.6 %
10315	AAD	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc dc)	WLAN	1.71	± 9.6 %
10316	AAD	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc dc)	WLAN	8.36	± 9.6 %
10317	AAA	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	AAD	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc dc)	WLAN	8.37	± 9.6 %
10401	AAA	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc dc)	WLAN	8.60	± 9.6 %
10402	AAA	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	AAD	CDMA2000, RC3, SO32, SCH0, Full Rate	CDMA2000	5.22	± 9.6 %

10410	AAA	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	AAA	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	AAA	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.32	± 9.6 %
10423	AAA	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN	8.47	± 9.6 %
10424	AAE	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.40	± 9.6 %
10425	AAE	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	8.41	± 9.6 %
10426	AAE	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN	8.45	± 9.6 %
10427	AAB	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN	8.41	± 9.6 %
10430	AAB	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	LTE-FDD	8.28	± 9.6 %
10431	AAC	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDD	8.38	± 9.6 %
10432	AAB	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	AAG	W-CDMA (BS Test Model 1, 64 DPCH)	WCDMA	8.60	± 9.6 %
10435	AAA	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10447	AAA	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	± 9.6 %
10448	AAA	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	AAA	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	AAC	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	AAC	UMTS-FDD (DC-HSDPA)	WCDMA	6.62	± 9.6 %
10458	AAC	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	6.55	± 9.6 %
10459	AAC	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	CDMA2000	8.25	± 9.6 %
10460	AAC	UMTS-FDD (WCDMA, AMR)	WCDMA	2.39	± 9.6 %
10461	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10462	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.30	± 9.6 %
10463	AAD	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.56	± 9.6 %
10464	AAD	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	AAA	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	AAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.56	± 9.6 %
10470	AAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10471	AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10472	AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6 %
10473	AAA	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10474	AAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10475	AAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6 %
10477	AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10478	AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6 %
10479	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10480	AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.18	± 9.6 %
10481	AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.45	± 9.6 %
10482	AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.71	± 9.6 %
10483	AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, Sub)	LTE-TDD	8.39	± 9.6 %
10484	AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.47	± 9.6 %
10485	AAB	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.59	± 9.6 %
10486	AAB	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.38	± 9.6 %
10487	AAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.60	± 9.6 %

10488	AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.70	± 9.6 %
10489	AAC	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	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10492	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.41	± 9.6 %
10493	AAF	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	AAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	± 9.6 %
10497	AAE	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.67	± 9.6 %
10498	AAE	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.40	± 9.6 %
10499	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.68	± 9.6 %
10500	AAF	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.67	± 9.6 %
10501	AAF	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Sub)	LTE-TDD	8.44	± 9.6 %
10502	AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.52	± 9.6 %
10503	AAB	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.72	± 9.6 %
10504	AAB	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.31	± 9.6 %
10505	AAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	± 9.6 %
10506	AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10507	AAC	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	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.99	± 9.6 %
10510	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.49	± 9.6 %
10511	AAF	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	AAE	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.45	± 9.6 %
10515	AAE	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc dc)	WLAN	1.58	± 9.6 %
10516	AAE	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc dc)	WLAN	1.57	± 9.6 %
10517	AAF	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc dc)	WLAN	1.58	± 9.6 %
10518	AAF	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc dc)	WLAN	8.23	± 9.6 %
10519	AAF	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc dc)	WLAN	8.39	± 9.6 %
10520	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc dc)	WLAN	8.12	± 9.6 %
10521	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc dc)	WLAN	7.97	± 9.6 %
10522	AAB	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	AAF	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc dc)	WLAN	8.42	± 9.6 %
10527	AAF	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc dc)	WLAN	8.21	± 9.6 %
10528	AAF	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc dc)	WLAN	8.36	± 9.6 %
10529	AAF	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc dc)	WLAN	8.36	± 9.6 %
10531	AAF	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc dc)	WLAN	8.43	± 9.6 %
10532	AAF	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc dc)	WLAN	8.29	± 9.6 %
10533	AAE	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc dc)	WLAN	8.38	± 9.6 %
10534	AAE	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc dc)	WLAN	8.45	± 9.6 %
10535	AAE	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc dc)	WLAN	8.45	± 9.6 %
10536	AAF	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc dc)	WLAN	8.32	± 9.6 %
10537	AAF	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc dc)	WLAN	8.44	± 9.6 %
10538	AAF	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc dc)	WLAN	8.54	± 9.6 %
10540	AAA	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc dc)	WLAN	8.39	± 9.6 %
10541	AAA	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc dc)	WLAN	8.46	± 9.6 %
10542	AAA	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	8.38	± 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	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 99pc dc)	WLAN	8.48	± 9.6 %
10555	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 99pc dc)	WLAN	8.47	± 9.6 %
10556	AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc dc)	WLAN	8.50	± 9.6 %
10557	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc dc)	WLAN	8.52	± 9.6 %
10558	AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 99pc dc)	WLAN	8.61	± 9.6 %
10560	AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 99pc dc)	WLAN	8.73	± 9.6 %
10561	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc dc)	WLAN	8.56	± 9.6 %
10562	AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc dc)	WLAN	8.69	± 9.6 %
10563	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc dc)	WLAN	8.77	± 9.6 %
10564	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc dc)	WLAN	8.25	± 9.6 %
10565	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc dc)	WLAN	8.45	± 9.6 %
10566	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc dc)	WLAN	8.13	± 9.6 %
10567	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc dc)	WLAN	8.00	± 9.6 %
10568	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc dc)	WLAN	8.37	± 9.6 %
10569	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc dc)	WLAN	8.10	± 9.6 %
10570	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc dc)	WLAN	8.30	± 9.6 %
10571	AAC	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc dc)	WLAN	1.99	± 9.6 %
10572	AAC	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc dc)	WLAN	1.99	± 9.6 %
10573	AAC	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc dc)	WLAN	1.98	± 9.6 %
10574	AAC	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc dc)	WLAN	1.98	± 9.6 %
10575	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc dc)	WLAN	8.59	± 9.6 %
10576	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc dc)	WLAN	8.60	± 9.6 %
10577	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc)	WLAN	8.70	± 9.6 %
10578	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc dc)	WLAN	8.49	± 9.6 %
10579	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc dc)	WLAN	8.36	± 9.6 %
10580	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc)	WLAN	8.76	± 9.6 %
10581	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc)	WLAN	8.35	± 9.6 %
10582	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc)	WLAN	8.67	± 9.6 %
10583	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc dc)	WLAN	8.59	± 9.6 %
10584	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc dc)	WLAN	8.60	± 9.6 %
10585	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc)	WLAN	8.70	± 9.6 %
10586	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc dc)	WLAN	8.49	± 9.6 %
10587	AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc dc)	WLAN	8.36	± 9.6 %
10588	AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc dc)	WLAN	8.76	± 9.6 %
10589	AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc)	WLAN	8.35	± 9.6 %
10590	AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc)	WLAN	8.67	± 9.6 %
10591	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc dc)	WLAN	8.63	± 9.6 %
10592	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc dc)	WLAN	8.79	± 9.6 %
10593	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc dc)	WLAN	8.64	± 9.6 %
10594	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc dc)	WLAN	8.74	± 9.6 %
10595	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc dc)	WLAN	8.74	± 9.6 %
10596	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc dc)	WLAN	8.71	± 9.6 %
10597	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc dc)	WLAN	8.72	± 9.6 %
10598	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc dc)	WLAN	8.50	± 9.6 %
10599	AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc dc)	WLAN	8.79	± 9.6 %
10600	AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc dc)	WLAN	8.88	± 9.6 %
10601	AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc dc)	WLAN	8.82	± 9.6 %
10602	AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc dc)	WLAN	8.94	± 9.6 %
10603	AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc dc)	WLAN	9.03	± 9.6 %

10604	AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc dc)	WLAN	8.76	± 9.6 %
10605	AAA	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	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc dc)	WLAN	8.83	± 9.6 %
10637	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 90pc dc)	WLAN	8.79	± 9.6 %
10638	AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 90pc dc)	WLAN	8.86	± 9.6 %
10639	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 90pc dc)	WLAN	8.85	± 9.6 %
10640	AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc dc)	WLAN	8.98	± 9.6 %
10641	AAC	IEEE 802.11ac WiFi (160MHz, MCS5, 90pc dc)	WLAN	9.06	± 9.6 %
10642	AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc dc)	WLAN	9.06	± 9.6 %
10643	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc dc)	WLAN	8.89	± 9.6 %
10644	AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 90pc dc)	WLAN	9.05	± 9.6 %
10645	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc dc)	WLAN	9.11	± 9.6 %
10646	AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub=2,7)	LTE-TDD	11.96	± 9.6 %
10647	AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub=2,7)	LTE-TDD	11.96	± 9.6 %
10648	AAC	CDMA2000 (1x Advanced)	CDMA2000	3.45	± 9.6 %
10652	AAC	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	± 9.6 %
10653	AAC	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	± 9.6 %
10654	AAC	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.96	± 9.6 %
10655	AAC	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.21	± 9.6 %
10658	AAC	Pulse Waveform (200Hz, 10%)	Test	10.00	± 9.6 %
10659	AAC	Pulse Waveform (200Hz, 20%)	Test	6.99	± 9.6 %
10660	AAC	Pulse Waveform (200Hz, 40%)	Test	3.98	± 9.6 %
10661	AAC	Pulse Waveform (200Hz, 60%)	Test	2.22	± 9.6 %
10662	AAC	Pulse Waveform (200Hz, 80%)	Test	0.97	± 9.6 %
10670	AAC	Bluetooth Low Energy	Bluetooth	2.19	± 9.6 %
10671	AAD	IEEE 802.11ax (20MHz, MCS0, 90pc dc)	WLAN	9.09	± 9.6 %

10672	AAD	IEEE 802.11ax (20MHz, MCS1, 90pc dc)	WLAN	8.57	± 9.6 %
10673	AAD	IEEE 802.11ax (20MHz, MCS2, 90pc dc)	WLAN	8.78	± 9.6 %
10674	AAD	IEEE 802.11ax (20MHz, MCS3, 90pc dc)	WLAN	8.74	± 9.6 %
10675	AAD	IEEE 802.11ax (20MHz, MCS4, 90pc dc)	WLAN	8.90	± 9.6 %
10676	AAD	IEEE 802.11ax (20MHz, MCS5, 90pc dc)	WLAN	8.77	± 9.6 %
10677	AAD	IEEE 802.11ax (20MHz, MCS6, 90pc dc)	WLAN	8.73	± 9.6 %
10678	AAD	IEEE 802.11ax (20MHz, MCS7, 90pc dc)	WLAN	8.78	± 9.6 %
10679	AAD	IEEE 802.11ax (20MHz, MCS8, 90pc dc)	WLAN	8.89	± 9.6 %
10680	AAD	IEEE 802.11ax (20MHz, MCS9, 90pc dc)	WLAN	8.80	± 9.6 %
10681	AAG	IEEE 802.11ax (20MHz, MCS10, 90pc dc)	WLAN	8.62	± 9.6 %
10682	AAF	IEEE 802.11ax (20MHz, MCS11, 90pc dc)	WLAN	8.83	± 9.6 %
10683	AAA	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	AAE	IEEE 802.11ax (20MHz, MCS4, 99pc dc)	WLAN	8.45	± 9.6 %
10688	AAE	IEEE 802.11ax (20MHz, MCS5, 99pc dc)	WLAN	8.29	± 9.6 %
10689	AAD	IEEE 802.11ax (20MHz, MCS6, 99pc dc)	WLAN	8.55	± 9.6 %
10690	AAE	IEEE 802.11ax (20MHz, MCS7, 99pc dc)	WLAN	8.29	± 9.6 %
10691	AAB	IEEE 802.11ax (20MHz, MCS8, 99pc dc)	WLAN	8.25	± 9.6 %
10692	AAA	IEEE 802.11ax (20MHz, MCS9, 99pc dc)	WLAN	8.29	± 9.6 %
10693	AAA	IEEE 802.11ax (20MHz, MCS10, 99pc dc)	WLAN	8.25	± 9.6 %
10694	AAA	IEEE 802.11ax (20MHz, MCS11, 99pc dc)	WLAN	8.57	± 9.6 %
10695	AAA	IEEE 802.11ax (40MHz, MCS0, 90pc dc)	WLAN	8.78	± 9.6 %
10696	AAA	IEEE 802.11ax (40MHz, MCS1, 90pc dc)	WLAN	8.91	± 9.6 %
10697	AAA	IEEE 802.11ax (40MHz, MCS2, 90pc dc)	WLAN	8.61	± 9.6 %
10698	AAA	IEEE 802.11ax (40MHz, MCS3, 90pc dc)	WLAN	8.89	± 9.6 %
10699	AAA	IEEE 802.11ax (40MHz, MCS4, 90pc dc)	WLAN	8.82	± 9.6 %
10700	AAA	IEEE 802.11ax (40MHz, MCS5, 90pc dc)	WLAN	8.73	± 9.6 %
10701	AAA	IEEE 802.11ax (40MHz, MCS6, 90pc dc)	WLAN	8.86	± 9.6 %
10702	AAA	IEEE 802.11ax (40MHz, MCS7, 90pc dc)	WLAN	8.70	± 9.6 %
10703	AAA	IEEE 802.11ax (40MHz, MCS8, 90pc dc)	WLAN	8.82	± 9.6 %
10704	AAA	IEEE 802.11ax (40MHz, MCS9, 90pc dc)	WLAN	8.56	± 9.6 %
10705	AAA	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	AAC	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	7.99	± 9.6 %
10768	AAC	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10769	AAC	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10770	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10771	AAC	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10772	AAC	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.23	± 9.6 %
10773	AAC	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.03	± 9.6 %
10774	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10775	AAC	5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	± 9.6 %
10776	AAC	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	AAC	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	AAC	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	± 9.6 %
10781	AAC	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	± 9.6 %
10782	AAC	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.43	± 9.6 %
10783	AAC	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	± 9.6 %

10784	AAC	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.29	± 9.6 %
10785	AAC	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10786	AAC	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10787	AAC	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.44	± 9.6 %
10788	AAC	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10789	AAC	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10790	AAC	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10791	AAC	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.83	± 9.6 %
10792	AAC	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.92	± 9.6 %
10793	AAC	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.95	± 9.6 %
10794	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	± 9.6 %
10795	AAC	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.84	± 9.6 %
10796	AAC	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	± 9.6 %
10797	AAC	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10798	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	± 9.6 %
10799	AAC	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	± 9.6 %
10801	AAC	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	± 9.6 %
10802	AAC	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	± 9.6 %
10803	AAE	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	AAD	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	AAC	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	AAC	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	AAE	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	AAE	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	AAE	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	AAD	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.66	± 9.6 %
10898	AAD	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	± 9.6 %
10899	AAD	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	± 9.6 %
10900	AAD	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10901	AAD	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10902	AAD	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10903	AAD	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10904	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10905	AAD	5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10906	AAD	5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10907	AAD	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.78	± 9.6 %
10908	AAD	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6 %
10909	AAD	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.96	± 9.6 %
10910	AAD	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	± 9.6 %
10911	AAD	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6 %
10912	AAD	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10913	AAD	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10914	AAD	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.85	± 9.6 %
10915	AAD	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	± 9.6 %
10916	AAD	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 9.6 %
10917	AAD	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	± 9.6 %
10918	AAD	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	± 9.6 %
10919	AAD	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	± 9.6 %
10920	AAD	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 9.6 %
10921	AAD	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %

10922	AAD	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.82	± 9.6 %
10923	AAD	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10924	AAD	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10925	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.95	± 9.6 %
10926	AAD	5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10927	AAD	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	± 9.6 %
10928	AAD	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10929	AAD	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10930	AAD	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10931	AAD	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10932	AAB	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10933	AAA	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10934	AAA	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10935	AAA	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	AAB	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.77	± 9.6 %
10938	AAB	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	± 9.6 %
10939	AAB	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.82	± 9.6 %
10940	AAB	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.89	± 9.6 %
10941	AAB	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	± 9.6 %
10942	AAB	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	± 9.6 %
10943	AAB	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.95	± 9.6 %
10944	AAB	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.81	± 9.6 %
10945	AAB	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	AAB	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	± 9.6 %
10948	AAB	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	± 9.6 %
10949	AAB	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	± 9.6 %
10950	AAB	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	± 9.6 %
10951	AAB	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.92	± 9.6 %
10952	AAB	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.25	± 9.6 %
10953	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.15	± 9.6 %
10954	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.23	± 9.6 %
10955	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.42	± 9.6 %
10956	AAB	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.14	± 9.6 %
10957	AAC	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.31	± 9.6 %
10958	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.61	± 9.6 %
10959	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.33	± 9.6 %
10960	AAB	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	AAB	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 %

^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.



Conducted Full Power Mode for WWAN

GSM850_Ant 1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.99	32.93	32.85	33.50	23.99	23.93	23.85	24.50
GPRS 1 Tx slot	32.98	32.91	32.83	33.50	23.98	23.91	23.83	24.50
GPRS 2 Tx slots	32.01	31.93	31.86	33.00	26.01	25.93	25.86	27.00
GPRS 3 Tx slots	30.07	29.95	29.84	31.00	25.81	25.69	25.58	26.74
GPRS 4 Tx slots	29.05	28.90	28.82	30.00	25.05	25.90	25.82	27.00
EDGE 1 Tx slot	27.00	26.90	26.70	28.00	18.00	17.90	17.70	19.00
EDGE 2 Tx slots	26.00	25.86	25.60	27.00	20.00	19.86	19.60	21.00
EDGE 3 Tx slots	23.92	23.79	23.55	25.00	19.66	19.53	19.29	20.74
EDGE 4 Tx slots	23.00	22.67	22.50	24.00	20.00	19.67	19.50	21.00

GSM1900_Ant 1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.45	29.16	28.93	30.50	20.45	20.16	19.93	21.50
GPRS 1 Tx slot	29.43	29.15	28.90	30.50	20.43	20.15	19.90	21.50
GPRS 2 Tx slots	28.73	28.44	28.20	30.00	22.73	22.44	22.20	24.00
GPRS 3 Tx slots	27.01	26.72	26.64	28.50	22.75	22.46	22.38	24.24
GPRS 4 Tx slots	26.39	26.20	26.03	27.50	23.39	23.20	23.03	24.50
EDGE 1 Tx slot	25.60	25.55	25.74	27.00	16.60	16.55	16.74	18.00
EDGE 2 Tx slots	24.65	24.67	24.85	26.00	18.65	18.67	18.85	20.00
EDGE 3 Tx slots	22.72	22.79	22.99	24.50	18.46	18.53	18.73	20.24
EDGE 4 Tx slots	21.88	21.71	22.00	23.50	18.88	18.71	19.00	20.50

Band	WCDMA_II_Ant 1			Tune-up Limit (dBm)	WCDMA_IV_Ant 1			Tune-up Limit (dBm)	WCDMA_V_Ant 1			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1513		4132	4182	4233		
TX Channel	9662	9800	9938		1537	1638	1738		4357	4407	4458		
Rx Channel	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6		
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6		
3GPP Rel 99	AMR 12.2Kbps	23.23	23.00	22.76	24.00	23.12	23.19	23.04	24.00	22.72	22.83	22.90	24.00
3GPP Rel 99	RMC 12.2Kbps	23.24	23.03	22.79	24.00	23.15	23.20	23.05	24.00	22.74	22.85	22.94	24.00
3GPP Rel 6	HSDPA Subtest-1	22.31	22.09	21.89	23.00	22.24	22.22	22.11	23.00	21.75	21.78	21.97	23.00
3GPP Rel 6	HSDPA Subtest-2	22.21	21.99	21.71	23.00	22.16	22.15	22.05	23.00	21.83	21.79	21.87	23.00
3GPP Rel 6	HSDPA Subtest-3	21.69	21.48	21.22	22.50	21.73	21.58	21.56	22.50	21.32	21.36	21.38	22.50
3GPP Rel 6	HSDPA Subtest-4	21.73	21.44	21.18	22.50	21.72	21.62	21.58	22.50	21.32	21.30	21.40	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.26	22.05	21.82	23.00	22.18	22.20	22.10	23.00	21.71	21.70	21.96	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.25	22.05	21.80	23.00	22.17	22.20	22.10	23.00	21.69	21.69	21.95	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.78	21.56	21.43	22.50	21.69	21.70	21.60	22.50	21.20	21.15	21.46	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.77	21.55	21.42	22.50	21.68	21.69	21.59	22.50	21.18	21.15	21.45	22.50
3GPP Rel 6	HSUPA Subtest-1	20.31	20.14	20.09	22.00	20.27	20.31	20.70	22.00	20.00	20.08	20.09	22.00
3GPP Rel 6	HSUPA Subtest-2	20.30	20.09	19.82	21.00	20.18	20.22	20.18	21.00	19.79	19.88	19.95	21.00
3GPP Rel 6	HSUPA Subtest-3	21.27	21.10	20.89	22.00	21.15	21.20	21.14	22.00	20.80	20.87	20.97	22.00
3GPP Rel 6	HSUPA Subtest-4	19.85	19.66	19.46	21.00	19.19	19.26	19.62	21.00	19.26	19.37	19.49	21.00
3GPP Rel 6	HSUPA Subtest-5	21.20	21.02	21.01	23.00	21.70	21.10	21.10	23.00	21.30	21.08	21.08	23.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.78	19.62	19.51	20.50	19.26	19.28	19.25	20.50	19.30	19.35	19.41	20.50



GSM850_Ant 2	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	32.16	32.07	31.99	33.00	23.16	23.07	22.99	24.00
GPRS 1 Tx slot	32.10	32.00	31.97	33.00	23.10	23.00	22.97	24.00
GPRS 2 Tx slots	31.17	31.04	31.01	32.00	25.17	25.04	25.01	26.00
GPRS 3 Tx slots	29.22	29.06	29.00	30.00	24.96	24.80	24.74	25.74
GPRS 4 Tx slots	28.19	28.00	27.94	29.00	25.19	25.00	24.94	26.00
EDGE 1 Tx slot	26.70	26.34	26.25	27.50	17.70	17.34	17.25	18.50
EDGE 2 Tx slots	25.68	25.28	25.22	26.50	19.68	19.28	19.22	20.50
EDGE 3 Tx slots	23.65	23.23	23.15	24.50	19.39	18.97	18.89	20.24
EDGE 4 Tx slots	22.49	22.12	22.06	23.50	19.49	19.12	19.06	20.50

GSM1900_Ant 2	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	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	27.79	27.25	27.08	29.00	18.79	18.25	18.08	20.00
GPRS 1 Tx slot	27.78	27.24	27.06	29.00	18.78	18.24	18.06	20.00
GPRS 2 Tx slots	27.08	26.54	26.27	28.00	21.08	20.54	20.27	22.00
GPRS 3 Tx slots	25.38	24.85	24.57	26.50	21.12	20.59	20.31	22.24
GPRS 4 Tx slots	24.32	24.15	24.00	25.50	21.32	21.15	21.00	22.50
EDGE 1 Tx slot	24.51	24.42	24.34	25.50	15.51	15.42	15.34	16.50
EDGE 2 Tx slots	23.70	23.50	23.47	25.00	17.70	17.50	17.47	18.00
EDGE 3 Tx slots	21.74	21.60	21.72	23.00	17.48	17.34	17.46	18.74
EDGE 4 Tx slots	20.92	20.89	20.88	22.50	17.92	17.89	17.88	19.50

Band	WCDMA U_Ant 2			Tune-up Limit (dBm)	WCDMA V_Ant 2			Tune-up Limit (dBm)	
	TX Channel	9262	9400		9538	4132	4182		4233
Rx Channel	9662	9800	9938		4357	4407	4458		
Frequency (MHz)	1852.4	1880	1907.6		826.4	836.4	846.6		
3GPP Rel 99	AMR 12.2Kbps	21.80	21.40	21.12	23.00	21.97	21.95	22.13	23.00
3GPP Rel 99	RMC 12.2Kbps	21.82	21.41	21.25	23.00	21.98	21.98	22.15	23.00
3GPP Rel 6	HSDPA Subtest-1	20.81	20.60	20.50	22.00	21.04	21.03	21.17	22.00
3GPP Rel 6	HSDPA Subtest-2	20.78	20.56	20.51	22.00	20.98	21.03	20.68	22.00
3GPP Rel 6	HSDPA Subtest-3	20.23	20.05	20.01	21.50	20.53	20.62	20.62	21.50
3GPP Rel 6	HSDPA Subtest-4	20.29	20.08	20.00	21.50	20.48	20.57	20.58	21.50
3GPP Rel 8	DC-HSDPA Subtest-1	20.76	20.55	20.48	22.00	21.00	21.00	21.15	22.00
3GPP Rel 8	DC-HSDPA Subtest-2	20.75	20.54	20.47	22.00	21.00	20.99	21.16	22.00
3GPP Rel 8	DC-HSDPA Subtest-3	20.26	20.02	19.96	21.50	20.50	20.48	20.66	21.50
3GPP Rel 8	DC-HSDPA Subtest-4	20.26	20.03	19.95	21.50	20.50	20.48	20.65	21.50
3GPP Rel 6	HSUPA Subtest-1	19.05	19.02	19.03	21.00	19.14	19.13	19.25	21.00
3GPP Rel 6	HSUPA Subtest-2	18.88	18.41	18.14	20.00	19.10	19.10	19.22	20.00
3GPP Rel 6	HSUPA Subtest-3	19.86	19.48	19.25	21.00	20.12	20.15	20.27	21.00
3GPP Rel 6	HSUPA Subtest-4	18.36	18.06	18.01	20.00	18.65	18.66	18.75	20.00
3GPP Rel 6	HSUPA Subtest-5	20.24	20.16	20.02	22.00	20.60	20.60	20.10	22.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	18.30	17.95	17.74	19.50	18.70	18.72	18.80	19.50



Band 2_Ant 1

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Middle Ch./Freq., Power High Ch./Freq., Tune-up limit (dBm), MPR (dB). Includes sub-headers for Channel and Frequency (MHz).

Band 3_Ant 1

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Middle Ch./Freq., Power High Ch./Freq., Tune-up limit (dBm), MPR (dB). Includes sub-headers for Channel and Frequency (MHz).

Band 4_Ant 1

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Middle Ch./Freq., Power High Ch./Freq., Tune-up limit (dBm), MPR (dB). Includes sub-headers for Channel and Frequency (MHz).



Band 7_Ant 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)				2510	2535	2560			
20	QPSK	1	0	22.67	22.52	22.65			
20	QPSK	1	49	22.67	22.52	22.65		24	0
20	QPSK	1	99	22.65	22.71	22.64			
20	QPSK	50	0	21.66	21.83	21.85			
20	QPSK	50	24	21.88	21.85	21.87		23	1
20	QPSK	50	50	21.79	21.84	21.85			
20	QPSK	100	0	21.81	21.80	21.80			
20	16QAM	1	0	21.72	22.12	21.77			
20	16QAM	1	49	21.86	21.90	21.76		23	1
20	16QAM	1	99	21.83	22.24	22.25			
20	16QAM	50	0	20.77	20.88	20.83			
20	16QAM	50	24	20.79	20.88	20.95			
20	16QAM	50	50	20.74	20.80	20.87		22	2
20	16QAM	100	0	20.70	20.84	20.89			
20	64QAM	1	0	20.76	20.83	20.93			
20	64QAM	1	49	21.17	21.02	21.30		22	2
20	64QAM	1	99	20.68	21.03	20.84			
20	64QAM	50	0	19.79	19.83	19.93			
20	64QAM	50	24	19.85	19.77	19.83		21	3
20	64QAM	50	50	19.83	19.83	19.90			
20	64QAM	100	0	19.76	19.86	19.93			
Channel									
Frequency (MHz)				20925	21100	21375			
15	QPSK	1	0	22.65	22.55	22.62		24	0
15	QPSK	1	37	22.62	22.66	22.73			
15	QPSK	1	74	22.62	22.65	22.74			
15	QPSK	36	0	21.75	21.75	21.86			
15	QPSK	36	20	21.77	21.75	21.90		23	1
15	QPSK	36	39	21.79	21.78	21.88			
15	QPSK	75	0	21.74	21.76	21.87			
15	16QAM	1	0	21.90	21.84	21.91		23	1
15	16QAM	1	37	22.09	22.13	22.18			
15	16QAM	1	74	21.91	21.97	22.03			
15	16QAM	36	0	20.74	20.74	20.85			
15	16QAM	36	20	20.75	20.75	20.87		22	2
15	16QAM	36	39	20.76	20.75	20.86			
15	16QAM	75	0	20.74	20.77	20.89			
15	64QAM	1	0	20.87	20.81	20.80			
15	64QAM	1	37	21.04	21.05	21.18		22	2
15	64QAM	1	74	20.83	21.01	20.97			
15	64QAM	36	0	19.76	19.75	19.85		21	3
15	64QAM	36	20	19.79	19.77	19.89			
15	64QAM	36	39	19.80	19.78	19.87			
15	64QAM	75	0	19.74	19.75	19.86			
Channel									
Frequency (MHz)				20890	21100	21400			
10	QPSK	1	0	22.69	22.64	22.71		24	0
10	QPSK	1	25	22.58	22.62	22.76			
10	QPSK	1	49	22.63	22.68	22.76			
10	QPSK	25	0	21.77	21.78	21.95			
10	QPSK	25	12	21.82	21.79	21.92		23	1
10	QPSK	25	25	21.84	21.80	21.94			
10	QPSK	50	0	21.80	21.80	21.94			
10	16QAM	1	0	21.97	21.90	21.98		23	1
10	16QAM	1	25	22.05	22.08	22.18			
10	16QAM	1	49	21.93	21.96	22.04			
10	16QAM	25	0	20.78	20.82	20.93			
10	16QAM	25	12	20.83	20.79	20.92		22	2
10	16QAM	25	25	20.84	20.82	20.91			
10	16QAM	50	0	20.82	20.80	20.97			
10	64QAM	1	0	21.02	20.86	20.90			
10	64QAM	1	25	21.05	21.00	21.08		22	2
10	64QAM	1	49	20.89	20.85	21.04			
10	64QAM	25	0	19.79	19.82	19.92			
10	64QAM	25	12	19.82	19.79	19.92		21	3
10	64QAM	25	25	19.83	19.79	19.89			
10	64QAM	50	0	19.80	19.79	19.92			
Channel									
Frequency (MHz)				20775	21100	21425			
5	QPSK	1	0	22.65	22.58	22.72		24	0
5	QPSK	1	12	22.66	22.62	22.75			
5	QPSK	1	24	22.30	22.61	22.73			
5	QPSK	12	0	21.78	21.72	21.85			
5	QPSK	12	7	21.81	21.77	21.89		23	1
5	QPSK	12	13	21.80	21.75	21.90			
5	QPSK	25	0	21.78	21.72	21.87			
5	16QAM	1	0	21.95	22.02	21.96			
5	16QAM	1	12	22.08	22.07	22.29		23	1
5	16QAM	1	24	21.88	21.87	21.98			
5	16QAM	12	0	20.77	20.72	20.87			
5	16QAM	12	7	20.84	20.80	20.89		22	2
5	16QAM	12	13	20.83	20.76	20.88			
5	16QAM	25	0	20.78	20.74	20.90			
5	64QAM	1	0	20.85	20.91	20.93		22	2
5	64QAM	1	12	21.08	21.09	21.14			
5	64QAM	1	24	20.81	20.81	21.15			
5	64QAM	12	0	19.79	19.75	19.91			
5	64QAM	12	7	19.83	19.81	19.94		21	3
5	64QAM	12	13	19.83	19.77	19.88			
5	64QAM	25	0	19.79	19.76	19.88			

Band 12_Ant 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)				704	707.5	711			
10	QPSK	1	0	22.64	22.63	22.64		24	0
10	QPSK	1	25	22.64	22.59	22.34			
10	QPSK	1	49	22.52	22.52	22.52			
10	QPSK	25	0	21.53	21.63	21.63			
10	QPSK	25	12	21.59	21.70	21.58		23	1
10	QPSK	25	25	21.66	21.62	21.59			
10	QPSK	50	0	21.58	21.67	21.65			
10	16QAM	1	0	22.08	21.64	22.14			
10	16QAM	1	25	21.78	22.20	22.04		23	1
10	16QAM	1	49	21.80	22.18	22.01			
10	16QAM	25	0	20.55	20.69	20.69			
10	16QAM	25	12	20.80	20.64	20.70		22	2
10	16QAM	25	25	20.71	20.76	20.64			
10	16QAM	50	0	20.60	20.67	20.67			
10	64QAM	1	0	20.56	20.34	20.58			
10	64QAM	1	25	20.98	20.75	21.08		22	2
10	64QAM	1	49	20.85	20.95	20.94			
10	64QAM	25	0	19.69	19.74	19.62			
10	64QAM	25	12	19.69	19.75	19.57		21	3
10	64QAM	25	25	19.72	19.68	19.48			
10	64QAM	50	0	19.60	19.68	19.57			
Channel									
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	22.34	22.40	22.57		24	0
5	QPSK	1	12	22.39	22.33	22.40			
5	QPSK	1	24	22.39	22.38	22.58			
5	QPSK	12	0	22.44	22.49	22.62			
5	QPSK	12	7	22.49	22.54	22.64		23	1
5	QPSK	12	13	22.47	22.49	22.61			
5	QPSK	25	0	21.45	21.47	21.71			
5	16QAM	1	0	21.65	21.68	21.84		23	1
5	16QAM	1	12	21.76	21.67	21.91			
5	16QAM	1	24	21.66	21.74	21.80			
5	16QAM	12	0	21.42	21.46	21.62			
5	16QAM	12	7	21.48	21.53	21.71		22	2
5	16QAM	12	13	21.46	21.47	21.67			
5	16QAM	25	0	20.51	20.59	20.74			
5	64QAM	1	0	20.55	20.59	20.68			
5	64QAM	1	12	20.63	20.69	20.87		22	2
5	64QAM	1	24	20.53	20.58	20.73			
5	64QAM	12	0	20.58	20.61	20.73			
5	64QAM	12	7	20.59	20.66	20.83			
5	64QAM	12	13	20.53	20.63	20.76		21	3
5	64QAM	25	0	19.44	19.50	19.65			
Channel									
Frequency (MHz)				23025	23095	23165			
3	QPSK	1	0	22.55	22.58	22.56		24	0
3	QPSK	1	8	22.56	22.54	22.52			
3	QPSK	1							



Band 17_Ant 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)				709	710	711			
10	QPSK	1	0	22.48	22.49	22.48			
10	QPSK	1	25	22.42	22.49	22.38			24
10	QPSK	1	49	22.58	22.39	22.57			
10	QPSK	25	0	21.54	21.60	21.65			
10	QPSK	25	12	21.60	21.66	21.64			23
10	QPSK	25	25	21.62	21.57	21.51			
10	QPSK	50	0	21.54	21.56	21.65			
10	16QAM	1	0	21.43	21.71	21.57			
10	16QAM	1	25	21.99	22.01	22.13			23
10	16QAM	1	49	21.78	21.38	22.07			
10	16QAM	25	0	20.54	20.43	20.89			
10	16QAM	25	12	20.52	20.51	20.84			
10	16QAM	25	25	20.52	20.47	20.58			22
10	16QAM	50	0	20.57	20.45	20.83			
10	64QAM	1	0	20.49	20.54	20.78			
10	64QAM	1	25	20.59	20.81	20.92			22
10	64QAM	1	49	20.88	20.65	20.91			
10	64QAM	25	0	19.74	19.60	19.70			
10	64QAM	25	12	19.73	19.45	19.54			21
10	64QAM	25	25	19.63	19.41	19.60			
10	64QAM	50	0	19.67	19.45	19.64			
Channel									
Frequency (MHz)				23780	23790	23800			
5	QPSK	1	0	22.36	22.39	22.39			
5	QPSK	1	12	22.45	22.45	22.58			24
5	QPSK	1	24	22.43	22.31	22.41			
5	QPSK	12	0	21.55	21.48	21.60			
5	QPSK	12	7	21.62	21.56	21.65			23
5	QPSK	12	13	21.60	21.53	21.57			
5	QPSK	25	0	21.56	21.50	21.61			
5	16QAM	1	0	21.67	21.63	21.70			
5	16QAM	1	12	21.98	21.93	21.99			23
5	16QAM	1	24	21.74	21.69	21.75			
5	16QAM	12	0	20.54	20.48	20.55			
5	16QAM	12	7	20.61	20.52	20.62			
5	16QAM	12	13	20.62	20.54	20.55			22
5	16QAM	25	0	20.54	20.50	20.56			
5	64QAM	1	0	20.79	20.74	20.85			
5	64QAM	1	12	20.86	20.83	20.95			22
5	64QAM	1	24	20.61	20.52	20.59			
5	64QAM	12	0	19.60	19.53	19.57			
5	64QAM	12	7	19.68	19.51	19.60			
5	64QAM	12	13	19.62	19.47	19.50			21
5	64QAM	25	0	19.55	19.47	19.53			

Band 25_Ant 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)				1860	1860	1905			
20	QPSK	1	0	22.61	22.50	22.63			
20	QPSK	1	49	22.57	22.50	22.43			24
20	QPSK	1	99	22.38	22.39	22.36			
20	QPSK	50	0	21.57	21.59	21.40			
20	QPSK	50	24	21.67	21.68	21.44			23
20	QPSK	50	50	21.64	21.65	21.34			
20	QPSK	100	0	21.65	21.66	21.36			
20	16QAM	1	0	21.64	21.66	21.43			
20	16QAM	1	49	21.80	21.68	21.86			23
20	16QAM	1	99	21.59	21.54	21.78			
20	16QAM	50	0	20.76	20.56	20.48			
20	16QAM	50	24	20.72	20.58	20.50			22
20	16QAM	50	50	20.57	20.43	20.36			
20	16QAM	100	0	20.78	20.50	20.39			
20	64QAM	1	0	20.88	20.55	20.54			
20	64QAM	1	49	21.01	20.72	20.74			22
20	64QAM	1	99	20.68	20.38	20.60			
20	64QAM	50	0	19.76	19.59	19.46			
20	64QAM	50	24	19.73	19.61	19.37			21
20	64QAM	50	50	19.58	19.28	19.41			
20	64QAM	100	0	19.67	19.45	19.57			
Channel									
Frequency (MHz)				26115	26340	26515			
15	QPSK	1	0	22.57	22.37	22.38			
15	QPSK	1	37	22.59	22.53	22.83			24
15	QPSK	1	74	22.41	22.36	22.43			
15	QPSK	36	0	21.75	21.55	21.49			
15	QPSK	36	20	21.70	21.49	21.54			23
15	QPSK	36	39	21.60	21.38	21.48			
15	QPSK	75	0	21.66	21.44	21.48			
15	16QAM	1	0	21.83	21.76	21.80			
15	16QAM	1	37	22.06	21.69	21.92			23
15	16QAM	1	74	21.74	21.47	21.73			
15	16QAM	36	0	20.89	20.54	20.42			
15	16QAM	36	20	20.70	20.48	20.49			22
15	16QAM	36	39	20.59	20.38	20.49			
15	16QAM	75	0	20.86	20.46	20.47			
15	64QAM	1	0	20.72	20.87	20.52			22
15	64QAM	1	37	21.02	20.78	20.81			
15	64QAM	1	74	20.58	20.37	20.80			
15	64QAM	36	0	19.74	19.55	19.46			21
15	64QAM	36	20	19.73	19.54	19.59			
15	64QAM	36	39	19.62	19.36	19.50			
15	64QAM	75	0	19.84	19.43	19.47			
Channel									
Frequency (MHz)				26090	26340	26540			
10	QPSK	1	0	22.58	22.42	22.38			
10	QPSK	1	25	22.51	22.54	22.58			24
10	QPSK	1	49	22.45	22.39	22.51			
10	QPSK	25	0	21.74	21.56	21.61			
10	QPSK	25	12	21.68	21.48	21.57			23
10	QPSK	25	25	21.66	21.36	21.57			
10	QPSK	50	0	21.68	21.48	21.61			
10	16QAM	1	0	21.96	21.71	21.72			
10	16QAM	1	25	22.05	21.84	21.90			23
10	16QAM	1	49	21.84	21.62	21.79			
10	16QAM	25	0	20.73	20.59	20.60			
10	16QAM	25	12	20.88	20.50	20.56			22
10	16QAM	25	25	20.65	20.39	20.57			
10	16QAM	50	0	20.69	20.50	20.60			
10	64QAM	1	0	20.82	20.66	20.86			
10	64QAM	1	25	20.92	20.69	20.81			22
10	64QAM	1	49	20.82	20.52	20.81			
10	64QAM	25	0	19.73	19.54	19.59			
10	64QAM	25	12	19.69	19.50	19.56			21
10	64QAM	25	25	19.65	19.38	19.55			
10	64QAM	50	0	19.71	19.46	19.55			
Channel									
Frequency (MHz)				26085	26340	26655			
5	QPSK	1	0	22.49	22.33	22.36			
5	QPSK	1	12	22.58	22.45	22.52			24
5	QPSK	1	24	22.45	22.34	22.41			
5	QPSK	12	0	21.64	21.46	21.57			
5	QPSK	12	7	21.71	21.52	21.63			23
5	QPSK	12	13	21.65	21.49	21.59			
5	QPSK	25	0	21.66	21.47	21.50			
5	16QAM	1	0	21.81	21.72	21.69			
5	16QAM	1	12	22.10	21.87	21.95			23
5	16QAM	1	24	21.78	21.54	21.66			
5	16QAM	12	0	20.84	20.48	20.56			
5	16QAM	12	7	20.71	20.51	20.59			22
5	16QAM	12	13	20.62	20.49	20.58			
5	16QAM	25	0	20.64	20.46	20.56			
5	64QAM	1	0	20.72	20.53	20.59			
5	64QAM	1	12	20.98	20.83	21.01			22
5	64QAM	1	24	20.66	20.50	20.62			
5	64QAM	12	0	19.89	19.48	19.61			
5	64QAM	12	7	19.72	19.53	19.64			21
5	64QAM	12	13	19.62	19.49	19.56			
5	64QAM	25	0	19.31	19.17	19.26			
Channel									
Frequency (MHz)				26565	26340	26675			
3	QPSK	1	0	22.53	22.40	22.52			
3	QPSK	1	8	22.50	22.56	22.45			24
3	QPSK	1	14	22.54	22.37	22.53			
3	QPSK</								



Band 66_Ant 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				132072	132322	132572				
Frequency (MHz)				1720	1745	1770				
20	QPSK	1	0	22.68	22.97	22.51				
20	QPSK	1	49	22.31	22.34	22.37			24	0
20	QPSK	1	99	22.35	22.36	22.34				
20	QPSK	50	0	21.44	21.32	21.46				
20	QPSK	50	24	21.49	21.50	21.47			23	1
20	QPSK	50	50	21.48	21.49	21.34				
20	QPSK	100	0	21.32	21.43	21.41				
20	16QAM	1	0	21.74	21.86	21.30				
20	16QAM	1	49	21.50	21.64	21.33			23	1
20	16QAM	1	99	21.86	22.36	21.34				
20	16QAM	50	0	20.85	20.43	20.61				
20	16QAM	50	24	20.61	20.49	20.47				
20	16QAM	50	50	20.46	20.40	20.37			22	2
20	16QAM	100	0	20.49	20.50	20.46				
20	64QAM	1	0	20.74	20.59	20.38				
20	64QAM	1	49	20.34	20.54	20.54			22	2
20	64QAM	1	99	20.50	20.40	20.31				
20	64QAM	50	0	19.36	19.46	19.45				
20	64QAM	50	24	19.47	19.40	19.32			21	3
20	64QAM	50	50	19.30	19.27	19.21				
20	64QAM	100	0	19.31	19.30	19.33				
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1717.5	1745	1772.5				
15	QPSK	1	0	22.38	22.40	22.37			24	0
15	QPSK	1	37	22.35	22.32	22.30				
15	QPSK	1	74	22.30	22.39	22.30				
15	QPSK	36	0	21.45	21.45	21.47				
15	QPSK	36	20	21.47	21.45	21.42			23	1
15	QPSK	36	39	21.41	21.37	21.35				
15	QPSK	75	0	21.42	21.43	21.39				
15	16QAM	1	0	21.47	21.51	21.44			23	1
15	16QAM	1	37	21.70	21.62	21.57				
15	16QAM	1	74	21.64	21.47	21.47				
15	16QAM	36	0	20.42	20.43	20.44				
15	16QAM	36	20	20.48	20.45	20.40			22	2
15	16QAM	36	39	20.41	20.34	20.32				
15	16QAM	75	0	20.45	20.41	20.37				
15	64QAM	1	0	20.38	20.38	20.37			22	2
15	64QAM	1	37	20.55	20.50	20.62				
15	64QAM	1	74	20.49	20.39	20.42				
15	64QAM	36	0	19.32	19.31	19.32				
15	64QAM	36	20	19.33	19.30	19.28			21	3
15	64QAM	36	39	19.27	19.25	19.18				
15	64QAM	75	0	19.30	19.28	19.23				
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1715	1745	1775				
10	QPSK	1	0	22.43	22.42	22.38			24	0
10	QPSK	1	25	22.33	22.37	22.36				
10	QPSK	1	49	22.40	22.36	22.39				
10	QPSK	25	0	21.47	21.46	21.48				
10	QPSK	25	12	21.49	21.44	21.40			23	1
10	QPSK	25	25	21.47	21.44	21.36				
10	QPSK	50	0	21.45	21.46	21.41				
10	16QAM	1	0	21.61	21.55	21.46			23	1
10	16QAM	1	25	21.66	21.55	21.52				
10	16QAM	1	49	21.51	21.51	21.35				
10	16QAM	25	0	20.49	20.45	20.47				
10	16QAM	25	12	20.52	20.44	20.41			22	2
10	16QAM	25	25	20.48	20.48	20.37				
10	16QAM	50	0	20.48	20.49	20.42				
10	64QAM	1	0	20.67	20.39	20.36			22	2
10	64QAM	1	25	20.55	20.43	20.44				
10	64QAM	1	49	20.57	20.73	20.47				
10	64QAM	25	0	19.34	19.37	19.34			21	3
10	64QAM	25	12	19.35	19.29	19.26				
10	64QAM	25	25	19.32	19.31	19.24				
10	64QAM	50	0	19.31	19.34	19.27				
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1712.5	1745	1777.5				
5	QPSK	1	0	22.33	22.33	22.35			24	0
5	QPSK	1	12	22.44	22.34	22.31				
5	QPSK	1	24	22.32	22.33	22.32				
5	QPSK	12	0	21.44	21.41	21.41				
5	QPSK	12	7	21.51	21.47	21.44			23	1
5	QPSK	12	13	21.50	21.44	21.41				
5	QPSK	25	0	21.45	21.55	21.38				
5	16QAM	1	0	21.46	21.41	21.33				
5	16QAM	1	12	21.73	21.67	21.61			23	1
5	16QAM	1	24	21.46	21.31	21.30				
5	16QAM	12	0	20.45	20.40	20.41				
5	16QAM	12	7	20.51	20.48	20.44			22	2
5	16QAM	12	13	20.48	20.44	20.42				
5	16QAM	25	0	20.48	20.43	20.38				
5	64QAM	1	0	20.54	20.77	20.44			22	2
5	64QAM	1	12	21.05	20.81	20.72				
5	64QAM	1	24	20.54	20.43	20.39				
5	64QAM	12	0	19.34	19.30	19.31				
5	64QAM	12	7	19.41	19.37	19.38			21	3
5	64QAM	12	13	19.36	19.31	19.25				
5	64QAM	25	0	19.31	19.28	19.26				
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1711.5	1745	1778.5				
3	QPSK	1	0	22.46	22.44	22.39			24	0
3	QPSK	1	8	22.46	22.38	22.39				
3	QPSK	1	14	22.45	22.37	22.37				
3	QPSK	8	0	21.48	21.44	21.44				
3	QPSK	8	4	21.54	21.50	21.46			23	1
3	QPSK	8	7	21.46	21.43	21.41				
3	QPSK	15	0	21.48	21.43	21.42				
3	16QAM	1	0	21.60	21.51	21.45			23	1
3	16QAM	1	8	21.74	21.66	21.62				
3	16QAM	1	14	21.53	21.46	21.44				
3	16QAM	8	0	20.37	20.33	20.32				
3	16QAM	8	4	20.38	20.36	20.31			22	2
3	16QAM	8	7	20.55	20.51	20.48				
3	16QAM	15	0	20.50	20.43	20.42				
3	64QAM	1	0	20.46	20.41	20.42			22	2
3	64QAM	1	8	20.46	20.46	20.41				
3	64QAM	1	14	20.48	20.38	20.36				
3	64QAM	8	0	19.40	19.36	19.34				
3	64QAM	8	4	19.42	19.39	19.36			21	3
3	64QAM	8	7	19.38	19.35	19.31				
3	64QAM	15	0	19.33	19.31	19.28				
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1710.7	1745	1779.3				
1.4	QPSK	1	0	22.36	22.38	22.36			24	0
1.4	QPSK	1	3	22.31	22.33	22.30				
1.4	QPSK	1	5	22.34	22.38	22.34				
1.4	QPSK	3	0	22.38	22.31	22.46				
1.4	QPSK	3	1	22.34	22.34	22.30				
1.4	QPSK	3	3	22.37	22.30	22.32				
1.4	QPSK	6	0	21.33	21.46	21.48			23	1
1.4	16QAM	1	0	21.42	21.49	21.41				
1.4	16QAM	1	3	21.39	21.62	21.56				
1.4	16QAM	1	5	21.45	21.46	21.49			23	1
1.4	16QAM	3	0	21.37	21.48	21.44				
1.4	16QAM	3	1	21.35	21.53	21.53				
1.4	16QAM	3	3	21.36	21.53	21.46				
1.4	16QAM	6	0	20.23	20.36	20.32			22	2
1.4	64QAM	1	0	20.38	20.36	20.40				
1.4	64QAM	1	3	20.30	20.55	20.48				
1.4	64QAM	1	5	20.34	20.37	20.33				
1.4	64QAM	3	0	20.47	20.60	20.56			22	2
1.4	64QAM	3	1	20.47	20.64	20.60				
1.4	64QAM	3	3	20.50	20.57	20.57				
1.4	64QAM	6	0	19.41	19.54	19.51			21	3

Band 71_Ant 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				133222	133322	133372				
Frequency (MHz)				673	683	688				
20	QPSK	1	0	22.43	22.38	22.37				
20	QPSK	1	49	22.41	22.35	22.40			24	0
20	QPSK	1	99	22.33	22.32	22.33				
20	QPSK	50	0	21.41	21.45	21.42				
20	QPSK	50	24	21.46	21.44	21.40			23	1
20	QPSK	50	50	21.37	21.39	21.32				
20	QPSK	100	0	21.39	21.43	21.38				
20	16QAM	1	0	21.58	21.60	21.58				
20	16QAM	1	49	21.61	21.65	21.65			23	1
20	16QAM	1</								



Band 2_Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 18700	Power Middle Ch. / Freq. 18900	Power High Ch. / Freq. 19100	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	20.22	20.30	20.39	22	0		
20	QPSK	1	49	21.18	20.76	20.55				
20	QPSK	1	99	20.77	20.57	20.54				
20	QPSK	50	0	20.30	19.88	19.84				
20	QPSK	50	24	20.31	19.89	19.86				
20	QPSK	50	50	20.04	19.62	19.56				
20	QPSK	100	0	20.19	19.72	19.64				
20	16QAM	1	0	20.39	20.07	19.63				
20	16QAM	1	49	20.25	20.00	19.87				
20	16QAM	1	99	19.86	19.59	19.51				
20	16QAM	50	0	19.31	18.84	18.86				
20	16QAM	50	24	19.22	18.83	18.57				
20	16QAM	50	50	19.00	18.57	18.51				
20	16QAM	100	0	19.29	18.76	18.52				
20	64QAM	1	0	19.16	19.25	18.77				
20	64QAM	1	49	19.40	19.30	18.89				
20	64QAM	1	99	19.06	18.52	18.55				
20	64QAM	50	0	18.28	17.79	17.73				
20	64QAM	50	24	18.19	17.89	17.56				
20	64QAM	50	50	18.15	17.58	17.57				
20	64QAM	100	0	18.77	18.17	18.14				
Channel										
Frequency (MHz)										
15	QPSK	1	0	20.83	20.84	20.52	22	0		
15	QPSK	1	37	20.65	20.81	20.55				
15	QPSK	1	74	20.69	20.53	20.53				
15	QPSK	36	0	19.86	19.92	19.61				
15	QPSK	36	20	19.95	19.88	19.81				
15	QPSK	36	39	19.85	19.75	19.54				
15	QPSK	75	0	19.85	19.83	19.59				
15	16QAM	1	0	20.15	20.18	19.83				
15	16QAM	1	37	20.17	20.18	19.87				
15	16QAM	1	74	20.02	19.89	19.76				
15	16QAM	36	0	18.83	18.91	18.81				
15	16QAM	36	20	18.88	18.84	18.57				
15	16QAM	36	39	18.83	18.73	18.50				
15	16QAM	75	0	18.85	18.79	18.58				
15	64QAM	1	0	19.00	19.06	18.70				
15	64QAM	1	37	19.01	19.20	18.80				
15	64QAM	1	74	18.86	18.73	18.61				
15	64QAM	36	0	17.87	17.89	17.81				
15	64QAM	36	20	17.90	17.83	17.58				
15	64QAM	36	39	17.83	17.72	17.52				
15	64QAM	75	0	17.81	17.77	17.56				
Channel										
Frequency (MHz)										
10	QPSK	1	0	21.19	20.88	20.52	22	0		
10	QPSK	1	25	21.03	20.77	20.55				
10	QPSK	1	49	21.07	20.69	20.55				
10	QPSK	25	0	20.28	19.93	19.59				
10	QPSK	25	12	20.23	19.91	19.59				
10	QPSK	25	25	20.16	19.85	19.59				
10	QPSK	50	0	20.21	19.87	19.62				
10	16QAM	1	0	20.24	20.17	19.87				
10	16QAM	1	25	20.56	20.30	19.85				
10	16QAM	1	49	20.34	20.02	19.86				
10	16QAM	25	0	19.28	18.94	18.80				
10	16QAM	25	12	19.23	18.92	18.80				
10	16QAM	25	25	19.15	18.84	18.59				
10	16QAM	50	0	19.20	18.86	18.58				
10	64QAM	1	0	19.45	19.10	18.74				
10	64QAM	1	25	19.45	19.22	18.90				
10	64QAM	1	49	19.23	18.94	18.71				
10	64QAM	25	0	18.27	17.92	17.57				
10	64QAM	25	12	18.22	17.91	17.55				
10	64QAM	25	25	18.15	17.81	17.58				
10	64QAM	50	0	18.21	17.85	17.57				
Channel										
Frequency (MHz)										
5	QPSK	1	0	21.01	20.59	20.45	22	0		
5	QPSK	1	12	21.10	20.66	20.49				
5	QPSK	1	24	20.98	20.59	20.52				
5	QPSK	12	0	20.17	19.86	19.53				
5	QPSK	12	7	20.18	19.89	19.59				
5	QPSK	12	13	20.27	19.77	19.57				
5	QPSK	25	0	20.17	19.76	19.50				
5	16QAM	1	0	20.26	19.92	19.52				
5	16QAM	1	12	20.46	20.31	19.99				
5	16QAM	1	24	20.05	20.03	19.64				
5	16QAM	12	0	19.24	18.67	18.56				
5	16QAM	12	7	19.15	18.86	18.58				
5	16QAM	12	13	19.16	18.92	18.60				
5	16QAM	25	0	19.19	18.83	18.50				
5	64QAM	1	0	19.21	19.07	18.79				
5	64QAM	1	12	19.27	19.07	18.69				
5	64QAM	1	24	19.00	18.75	18.55				
5	64QAM	12	0	18.09	17.74	17.67				
5	64QAM	12	7	18.14	17.78	17.56				
5	64QAM	12	13	18.15	17.75	17.53				
5	64QAM	25	0	18.11	17.75	17.59				
Channel										
Frequency (MHz)										
3	QPSK	1	0	21.20	20.78	20.52	22	0		
3	QPSK	1	8	21.03	20.63	20.50				
3	QPSK	1	14	21.03	20.68	20.59				
3	QPSK	8	0	20.20	19.79	19.58				
3	QPSK	8	4	20.28	19.84	19.61				
3	QPSK	8	7	20.07	19.89	19.56				
3	QPSK	15	0	20.10	19.79	19.58				
3	16QAM	1	0	20.52	20.01	19.59				
3	16QAM	1	8	20.32	19.98	19.70				
3	16QAM	1	14	20.57	20.07	19.86				
3	16QAM	8	0	19.22	18.86	18.56				
3	16QAM	8	4	19.25	18.84	18.66				
3	16QAM	8	7	19.23	18.90	18.73				
3	16QAM	15	0	19.23	18.98	18.67				
3	64QAM	1	0	19.44	19.04	18.64				
3	64QAM	1	8	19.32	19.05	18.85				
3	64QAM	1	14	19.39	19.18	18.92				
3	64QAM	8	0	18.19	17.83	17.59				
3	64QAM	8	4	18.28	17.65	17.84				
3	64QAM	8	7	18.10	17.87	17.54				
3	64QAM	15	0	18.11	17.73	17.61				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	21.15	20.70	20.56	22	0		
1.4	QPSK	1	3	20.92	20.72	20.57				
1.4	QPSK	1	5	21.03	20.54	20.58				
1.4	QPSK	3	0	21.19	20.80	20.58				
1.4	QPSK	3	1	21.21	20.87	20.83				
1.4	QPSK	3	1	21.20	20.83	20.56				
1.4	QPSK	6	0	20.19	19.83	19.64				
1.4	16QAM	1	0	20.29	20.02	19.88				
1.4	16QAM	1	3	20.45	19.96	20.09				
1.4	16QAM	1	5	19.98	20.30	19.96				
1.4	16QAM	3	0	20.22	19.81	19.55				
1.4	16QAM	3	1	20.23	19.94	19.54				
1.4	16QAM	3	1	20.25	20.03	19.57				
1.4	16QAM	6	0	19.23	18.83	18.75				
1.4	64QAM	1	0	19.10	19.03	18.71				
1.4	64QAM	1	3	18.93	18.62	19.00				
1.4	64QAM	1	5	18.87	18.53	18.56				
1.4	64QAM	3	0	19.29	18.88	18.60				
1.4	64QAM	3	1	19.59	18.87	18.76				
1.4	64QAM	3	3	19.38	18.85	18.83				
1.4	64QAM	6	0	18.08	17.94	17.75				

Band 5_Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 20450	Power Middle Ch. / Freq. 20525	Power High Ch. / Freq. 20600	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	21.53	21.59	21.60	23	0		
10	QPSK	1	25	21.46	21.52	21.60				
10	QPSK	1	49	21.59	21.66	21.58				
10	QPSK	25	0	20.83	20.67	20.81				
10	QPSK	25	12	20.81	20.68	20.82				
10	QPSK	25	25	20.67	20.72	20.76				
10	QPSK	50	0	20.67	20.68	20.78				
10	16QAM	1	0	20.82	20.87	20.95				
10	16QAM	1	25	20.91	21.02	21.11				
10	16QAM	1	49	20.90	20.97	21.01				
10	16QAM	25	0	19.86	19.83	19.80				
10	16QAM	25	12	19.84	19.68	19.80				
10	16QAM	25	25	19.89	19.75	19.73				
10	16QAM	50	0	19.88	19.69	19.77				
10	64QAM	1	0	19.74	19.81	19.83				
10	64QAM	1	25	19.84	19.89	19.94				
10	64QAM	1	49	19.77	19.99	19.97				
10	64QAM	25	0	18.65	18.65	18.79				
10	64QAM	25	12	18.62	18.70	18.81				
10	64QAM	25	25	18.68	18.70	18.74				
10	64QAM	50	0	18.68	18.69	18.77				
Channel										
Frequency (MHz)										
5	QPSK	1	0	21.45	21.57	21.63	23	0		



Band 12_Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				23060	23095	23130				
Frequency (MHz)				704	707.5	711				
10	QPSK	1	0	21.81	21.89	21.71				
10	QPSK	1	25	21.86	21.75	21.74		23		0
10	QPSK	1	49	21.79	21.70	21.95				
10	QPSK	25	0	20.85	20.89	20.97				
10	QPSK	25	12	20.99	21.00	20.97				
10	QPSK	25	25	20.91	20.94	20.90		22		1
10	QPSK	50	0	20.93	20.93	20.94				
10	16QAM	1	0	20.82	21.32	21.33				
10	16QAM	1	25	21.51	20.81	21.41		22		1
10	16QAM	1	49	21.46	21.48	20.74				
10	16QAM	25	0	19.96	19.93	19.90				
10	16QAM	25	12	19.96	19.89	19.92				
10	16QAM	25	25	20.01	19.87	19.91		21		2
10	16QAM	50	0	19.89	19.93	19.88				
10	64QAM	1	0	19.88	19.91	20.13				
10	64QAM	1	25	20.28	20.17	20.42		21		2
10	64QAM	1	49	20.21	20.18	19.87				
10	64QAM	25	0	18.91	18.91	18.91				
10	64QAM	25	12	18.96	18.95	19.04				
10	64QAM	25	25	18.99	18.96	18.91		20		3
10	64QAM	50	0	19.06	19.06	19.06				
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				701.5	707.5	713.5				
5	QPSK	1	0	21.69	21.77	21.64				
5	QPSK	1	12	21.86	21.83	21.67		23		0
5	QPSK	1	24	21.81	21.55	21.77				
5	QPSK	12	0	20.81	20.90	20.83				
5	QPSK	12	7	20.89	20.87	20.94		22		1
5	QPSK	12	13	20.87	20.81	20.74				
5	QPSK	25	0	20.86	20.80	20.77				
5	16QAM	1	0	21.15	20.94	20.91				
5	16QAM	1	12	20.96	21.40	21.30		22		1
5	16QAM	1	24	21.26	20.94	20.92				
5	16QAM	12	0	19.87	19.83	19.88				
5	16QAM	12	7	19.88	19.90	19.81				
5	16QAM	12	13	19.97	19.71	19.80		21		2
5	16QAM	25	0	19.84	19.87	19.86				
5	64QAM	1	0	19.85	19.61	19.67				
5	64QAM	1	12	19.94	19.88	20.25		21		2
5	64QAM	1	24	19.82	19.79	19.57				
5	64QAM	12	0	18.83	18.79	18.84				
5	64QAM	12	7	19.11	18.89	18.96				
5	64QAM	12	13	19.90	19.93	18.81		20		3
5	64QAM	25	0	18.89	18.85	18.75				
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				700.5	707.5	714.5				
3	QPSK	1	0	21.81	21.89	21.71				
3	QPSK	1	8	21.82	21.74	21.84		23		0
3	QPSK	1	14	21.72	21.73	21.71				
3	QPSK	8	0	20.92	20.90	20.84				
3	QPSK	8	4	20.93	20.79	20.83				
3	QPSK	8	7	20.84	20.80	20.90		22		1
3	QPSK	15	0	20.82	20.87	20.72				
3	16QAM	1	0	21.03	21.30	20.87				
3	16QAM	1	8	20.91	21.24	20.90		22		1
3	16QAM	1	14	21.44	21.31	21.24				
3	16QAM	8	0	20.01	19.88	19.73				
3	16QAM	8	4	19.86	19.94	19.88				
3	16QAM	8	7	19.94	20.01	19.81		21		2
3	16QAM	15	0	19.91	19.86	19.79				
3	64QAM	1	0	19.64	19.86	20.14				
3	64QAM	1	8	19.82	20.08	19.97		21		2
3	64QAM	1	14	20.16	19.79	20.08				
3	64QAM	8	0	19.07	18.89	18.79				
3	64QAM	8	4	18.79	18.85	18.87				
3	64QAM	8	7	19.06	19.14	18.73		20		3
3	64QAM	15	0	19.01	18.97	18.78				
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				699.7	707.5	715.3				
1.4	QPSK	1	0	21.77	21.84	21.72				
1.4	QPSK	1	3	21.82	21.67	21.69		23		0
1.4	QPSK	1	5	21.67	21.82	21.74				
1.4	QPSK	3	0	21.83	21.83	21.88				
1.4	QPSK	3	1	21.95	21.94	21.77				
1.4	QPSK	3	3	21.89	21.77	21.79				
1.4	QPSK	6	0	20.90	20.91	20.86		22		1
1.4	16QAM	1	0	21.24	20.97	20.84				
1.4	16QAM	1	3	20.98	20.97	21.21				
1.4	16QAM	1	5	21.09	21.23	20.64		22		1
1.4	16QAM	3	0	20.72	20.85	20.83				
1.4	16QAM	3	1	20.96	20.78	20.74				
1.4	16QAM	3	3	20.69	21.01	20.82				
1.4	16QAM	6	0	20.04	20.14	19.72		21		2
1.4	64QAM	1	0	19.60	20.09	19.69				
1.4	64QAM	1	3	20.23	20.10	19.99				
1.4	64QAM	1	5	20.09	20.08	19.53				
1.4	64QAM	3	0	19.99	19.96	20.09				
1.4	64QAM	3	1	20.11	19.73	19.83		21		2
1.4	64QAM	3	3	19.74	20.01	19.88				
1.4	64QAM	6	0	18.90	19.16	18.74		20		3

Band 17_Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				23760	23790	23800				
Frequency (MHz)				709	710	711				
10	QPSK	1	0	21.85	21.87	21.83				
10	QPSK	1	25	21.72	21.67	21.88		23		0
10	QPSK	1	49	21.79	21.76	21.75				
10	QPSK	25	0	20.86	20.87	20.87				
10	QPSK	25	12	20.84	20.88	20.86		22		1
10	QPSK	25	25	20.85	20.86	20.82				
10	QPSK	50	0	20.85	20.86	20.87				
10	16QAM	1	0	21.04	21.04	21.06				
10	16QAM	1	25	21.19	21.22	21.19		22		1
10	16QAM	1	49	21.11	21.08	21.03				
10	16QAM	25	0	19.86	19.89	19.89				
10	16QAM	25	12	19.87	19.88	19.88				
10	16QAM	25	25	19.88	19.84	19.82		21		2
10	16QAM	50	0	19.90	19.90	19.86				
10	64QAM	1	0	19.90	20.03	19.91				
10	64QAM	1	25	20.11	20.08	20.05		21		2
10	64QAM	1	49	19.97	19.96	19.93				
10	64QAM	25	0	18.91	18.93	18.92				
10	64QAM	25	12	18.92	18.88	18.85				
10	64QAM	25	25	18.84	18.83	18.77		20		3
10	64QAM	50	0	18.91	18.86	18.27				
Channel				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				706.5	710	713.5				
5	QPSK	1	0	21.64	21.64	21.71				
5	QPSK	1	12	21.83	21.61	21.54		23		0
5	QPSK	1	24	21.60	21.62	21.64				
5	QPSK	12	0	20.84	20.80	20.82				
5	QPSK	12	7	20.87	20.85	20.84		22		1
5	QPSK	12	13	20.84	20.89	20.83				
5	QPSK	25	0	20.77	20.88	20.76				
5	16QAM	1	0	20.87	21.12	20.89				
5	16QAM	1	12	20.94	21.43	21.24		22		1
5	16QAM	1	24	20.90	20.86	21.15				
5	16QAM	12	0	19.74	19.74	19.70				
5	16QAM	12	7	19.85	19.86	19.76				
5	16QAM	12	13	19.87	19.82	19.73		21		2
5	16QAM	25	0	19.93	19.91	19.70				
5	64QAM	1	0	19.71	20.03	19.90				
5	64QAM	1	12	20.27	20.01	20.04		21		2
5	64QAM	1	24	19.77	19.72	19.66				
5	64QAM	12	0	18.97	18.95	18.78				
5	64QAM	12	7	18.97	18.86	18.91				
5	64QAM	12	13	19.00	18.75	18.60		20		3
5	64QAM	25	0	18.95	18.72	18.79				

Band 25_Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				26140	26340	26590				
Frequency (MHz)				1860	1880	1905				
20	QPSK	1	0	20.88	20.88	20.79				
20	QPSK	1	49	20.86	20.70	20.45		22		0
20	QPSK	1	99	20.79	20.76	20.68				
20	QPSK	50	0	20.16	19.84	19.57				
20	QPSK	50	24	20.17	20.19	19.60		21		1
20	QPSK	50	50	20.16	19.88	19.45				
20	QPSK	100	0	20.03	20.04	19.54				
20	16QAM	1	0	20.27	20.45	19.89				
2										



Band 26_Ant 2(FCC)										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				26765	26865	26965				
Frequency (MHz)				821.5	831.5	841.5				
15	QPSK	1	0	21.68	21.69	21.68				
15	QPSK	1	37	21.66	21.57	21.66			23	0
15	QPSK	1	74	21.61	21.63	21.66				
15	QPSK	36	0	20.77	20.67	20.84				
15	QPSK	36	20	20.83	20.86	20.85				
15	QPSK	36	39	20.82	20.81	20.83			22	1
15	QPSK	75	0	20.76	20.79	20.77				
15	16QAM	1	0	21.22	21.17	20.88				
15	16QAM	1	37	21.27	21.03	21.42			22	1
15	16QAM	1	74	20.58	20.84	21.08				
15	16QAM	36	0	19.76	19.77	19.89				
15	16QAM	36	20	19.77	19.73	19.92				
15	16QAM	36	39	19.86	19.91	19.86			21	2
15	16QAM	75	0	19.76	19.84	19.92				
15	64QAM	1	0	20.05	20.02	20.05				
15	64QAM	1	37	20.14	19.80	20.29			21	2
15	64QAM	1	74	20.04	20.05	19.87				
15	64QAM	36	0	18.71	18.79	18.89				
15	64QAM	36	20	18.91	18.80	18.91				
15	64QAM	36	39	18.75	18.76	18.86			20	3
15	64QAM	75	0	18.82	18.74	18.87				
Channel				26740	26865	26990	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				819	831.5	844				
10	QPSK	1	0	21.58	21.56	21.56				
10	QPSK	1	25	21.52	21.62	21.58			23	0
10	QPSK	1	49	21.55	21.59	21.60				
10	QPSK	25	0	20.70	20.67	20.78				
10	QPSK	25	12	20.63	20.70	20.83			22	1
10	QPSK	25	25	20.61	20.67	20.73				
10	QPSK	50	0	20.63	20.62	20.88				
10	16QAM	1	0	21.08	20.56	21.25				
10	16QAM	1	25	21.22	20.77	21.25			22	1
10	16QAM	1	49	20.45	21.16	20.66				
10	16QAM	25	0	19.99	19.71	19.75				
10	16QAM	25	12	19.70	19.73	19.71				
10	16QAM	25	25	19.76	19.78	19.84			21	2
10	16QAM	50	0	19.63	19.73	19.78				
10	64QAM	1	0	19.73	19.58	20.04				
10	64QAM	1	25	19.48	19.80	19.83			21	2
10	64QAM	1	49	19.44	19.90	20.07				
10	64QAM	25	0	18.63	18.70	18.72				
10	64QAM	25	12	18.73	18.61	18.89			20	3
10	64QAM	25	25	18.66	18.72	18.90				
10	64QAM	50	0	18.70	18.68	18.79				
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				816.5	831.5	846.5				
5	QPSK	1	0	21.50	21.55	21.63				
5	QPSK	1	12	21.54	21.62	21.55			23	0
5	QPSK	1	24	21.46	21.56	21.68				
5	QPSK	12	0	20.58	20.55	20.87				
5	QPSK	12	7	20.68	20.60	20.92			22	1
5	QPSK	12	13	20.60	20.60	20.86				
5	QPSK	25	0	20.62	20.58	20.81				
5	16QAM	1	0	20.88	20.92	20.90				
5	16QAM	1	12	20.90	21.00	20.97			22	1
5	16QAM	1	24	20.88	21.07	21.16				
5	16QAM	12	0	19.66	19.57	19.75				
5	16QAM	12	7	19.67	19.55	19.77				
5	16QAM	12	13	19.76	19.61	19.95			21	2
5	16QAM	25	0	19.62	19.51	19.78				
5	64QAM	1	0	19.38	19.34	19.97				
5	64QAM	1	12	19.51	20.00	20.02			21	2
5	64QAM	1	24	19.42	19.61	20.09				
5	64QAM	12	0	18.63	18.58	18.77				
5	64QAM	12	7	18.81	18.70	18.88				
5	64QAM	12	13	18.61	18.60	18.89			20	3
5	64QAM	25	0	18.65	18.67	18.87				
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				815.5	831.5	847.5				
3	QPSK	1	0	21.84	21.46	21.67				
3	QPSK	1	8	21.52	21.50	21.66			23	0
3	QPSK	1	14	21.64	21.60	21.53				
3	QPSK	8	0	20.62	20.55	20.88				
3	QPSK	8	4	20.70	20.64	20.98			22	1
3	QPSK	8	7	20.53	20.54	20.77				
3	QPSK	15	0	20.70	20.85	20.90				
3	16QAM	1	0	21.17	20.96	20.85				
3	16QAM	1	8	20.83	20.68	20.98			22	1
3	16QAM	1	14	20.88	20.76	20.69				
3	16QAM	8	0	19.67	19.76	19.85				
3	16QAM	8	4	19.65	19.55	19.93			21	2
3	16QAM	8	7	19.74	19.80	19.79				
3	16QAM	15	0	19.61	19.79	19.93				
3	64QAM	1	0	19.62	19.72	19.65				
3	64QAM	1	8	19.62	19.79	19.82			21	2
3	64QAM	1	14	19.75	19.82	19.82				
3	64QAM	8	0	18.58	18.72	18.88				
3	64QAM	8	4	18.69	18.56	18.99				
3	64QAM	8	7	18.66	18.53	18.95			20	3
3	64QAM	15	0	18.65	18.74	18.87				
Channel				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				814.7	831.5	848.3				
1.4	QPSK	1	0	21.61	21.59	21.60				
1.4	QPSK	1	3	21.52	21.28	21.56				
1.4	QPSK	1	5	21.53	21.57	21.64			23	0
1.4	QPSK	3	0	21.61	21.61	21.62				
1.4	QPSK	3	1	21.60	21.60	21.65				
1.4	QPSK	3	3	21.67	21.62	21.58				
1.4	QPSK	6	0	20.71	20.57	21.04			22	1
1.4	16QAM	1	0	20.60	20.66	21.22				
1.4	16QAM	1	3	20.83	20.88	21.42				
1.4	16QAM	1	5	20.60	20.67	20.88				
1.4	16QAM	3	0	20.74	20.54	20.76			22	1
1.4	16QAM	3	1	20.60	20.76	20.95				
1.4	16QAM	3	3	20.63	20.40	20.82				
1.4	16QAM	6	0	19.71	19.79	19.90			21	2
1.4	64QAM	1	0	19.66	19.63	19.67				
1.4	64QAM	1	3	19.94	19.88	20.13				
1.4	64QAM	1	5	19.67	19.59	20.09				
1.4	64QAM	3	0	19.98	19.81	19.98			21	2
1.4	64QAM	3	1	19.84	19.85	20.14				
1.4	64QAM	3	3	19.95	19.86	19.63				
1.4	64QAM	6	0	18.67	18.62	18.93			20	3

Band 71_Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				133222	133322	133372				
Frequency (MHz)				673	683	688				
20	QPSK	1	0	21.80	21.81	21.80				
20	QPSK	1	49	21.88	21.80	21.82			23	0
20	QPSK	1	99	21.50	21.44	21.45				
20	QPSK	50	0	20.85	20.76	20.80				
20	QPSK	50	24	20.86	20.78	20.85				
20	QPSK	50	50	20.84	20.62	20.65			22	1
20	QPSK	100	0	20.80	20.68	20.74				
20	16QAM	1	0	20.96	20.92	20.90				
20	16QAM	1	49	21.07	21.04	21.02			22	1
20	16QAM	1	99	20.72	20.64	20.71				
20	16QAM	50	0	19.82	19.76	19.77				
20	16QAM	50	24	19.83	19.74	19.72				
20	16QAM	50	50	19.75	19.62	19.64			21	2
20	16QAM	100	0	19.77	19.71	19.87				
20	64QAM	1	0	19.95	19.84	19.93				
20	64QAM	1	49	20.02	20.00	19.98			21	2
20	64QAM	1	99	19.64	19.62	19.70				
20	64QAM	50	0	18.90	18.82	18.86				
20	64QAM	50	24	18.93	18.80	18.83			20	3
20	64QAM	50	50	18.85	18.70	18.72				
20	64QAM	100	0	18.83	18.74	18.81				
Channel				133197	133297	133397	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				670.5	680.5	690.5				
15	QPSK	1	0	21.86	21.70	21.67				
15	QPSK	1	37	21.89	21.82	21.79			23	0
15	QPSK	1	74	21.47	21.43	21.42				
15	QPSK	36	0	20.82	20.74	20.77				
15	QPSK	36	20	20.83	20.70	20.72			22	1
15	QPSK	36	39	20.81	20.60	20.62				
15	QPSK	75	0	20.77	20.65	20.71				
15	16QAM	1	0	20.93	20.85	20.87				
15	16QAM	1	37	21.04	20.98	20.99			22	1
15	16QAM	1	74	20.69	20.60					



Band 38_Ant 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							Tune-up limit (dBm)	MPR (dB)					
Frequency (MHz)													
Channel							37850	38000	38150				
Frequency (MHz)							2580	2595	2610				
20	QPSK	1	0	22.59	22.55	22.55	24	0					
20	QPSK	1	49	22.58	22.53	22.51							
20	QPSK	1	99	22.50	22.50	22.49							
20	QPSK	50	0	21.58	21.62	21.52							
20	QPSK	50	24	21.70	21.66	21.69	23	1					
20	QPSK	50	59	21.58	21.60	21.60							
20	QPSK	100	0	21.64	21.63	21.61							
20	16QAM	1	0	21.60	21.46	21.52							
20	16QAM	1	49	21.91	21.82	21.87	23	1					
20	16QAM	1	99	21.59	21.52	21.49							
20	16QAM	50	0	20.74	20.63	20.68							
20	16QAM	50	24	20.69	20.75	20.64							
20	16QAM	50	50	20.73	20.69	20.75	22	2					
20	16QAM	100	0	20.70	20.68	20.70							
20	64QAM	1	0	20.33	20.35	20.36							
20	64QAM	1	49	20.64	20.60	20.62							
20	64QAM	1	99	20.37	20.38	20.36	22	2					
20	64QAM	50	0	19.71	19.60	19.56							
20	64QAM	50	24	19.73	19.68	19.68							
20	64QAM	50	50	19.68	19.72	19.69							
20	64QAM	100	0	19.70	19.64	19.66	21	3					
Channel									37825	38000	38175		
Frequency (MHz)									2617.5	2635	2652.5		
15	QPSK	1	0	22.36	22.37	22.45			24	0			
15	QPSK	1	37	22.47	22.40	22.55							
15	QPSK	1	74	22.44	22.41	22.42							
15	QPSK	36	0	21.68	21.63	21.68							
15	QPSK	36	20	21.46	21.48	21.41	23	1					
15	QPSK	36	39	21.51	21.53	21.57							
15	QPSK	75	0	21.69	21.58	21.66							
15	16QAM	1	0	21.49	21.50	21.64							
15	16QAM	1	37	21.57	21.45	21.50	23	1					
15	16QAM	1	74	21.47	21.48	21.44							
15	16QAM	36	0	20.76	20.73	20.75							
15	16QAM	36	20	20.50	20.56	20.48							
15	16QAM	36	39	20.48	20.45	20.56	22	2					
15	16QAM	75	0	20.57	20.57	20.59							
15	64QAM	1	0	20.55	20.49	20.57							
15	64QAM	1	37	20.59	20.59	20.55							
15	64QAM	1	74	20.33	20.35	20.34	22	2					
15	64QAM	36	0	19.53	19.47	19.48							
15	64QAM	36	20	19.33	19.38	19.37							
15	64QAM	36	39	19.60	19.39	19.57							
15	64QAM	75	0	19.64	19.59	19.56	21	3					
Channel									37800	38000	38200		
Frequency (MHz)									2577.5	2595	2615		
10	QPSK	1	0	22.46	22.52	22.57			24	0			
10	QPSK	1	25	22.51	22.50	22.57							
10	QPSK	1	49	22.48	22.50	22.55							
10	QPSK	25	0	21.64	21.64	21.70							
10	QPSK	25	12	21.58	21.54	21.56	23	1					
10	QPSK	25	25	21.69	21.55	21.56							
10	QPSK	50	0	21.60	21.61	21.68							
10	16QAM	1	0	21.57	21.63	21.62							
10	16QAM	1	25	21.57	21.53	21.62	23	1					
10	16QAM	1	49	21.62	21.54	21.63							
10	16QAM	25	0	20.78	20.71	20.80							
10	16QAM	25	12	20.60	20.54	20.64							
10	16QAM	25	25	20.69	20.58	20.69	22	2					
10	16QAM	50	0	20.70	20.59	20.73							
10	64QAM	1	0	20.61	20.63	20.66							
10	64QAM	1	25	20.69	20.61	20.61							
10	64QAM	1	49	20.34	20.38	20.34	22	2					
10	64QAM	25	0	19.38	19.24	19.38							
10	64QAM	25	12	19.35	19.42	19.38							
10	64QAM	25	25	19.68	19.63	19.62							
10	64QAM	50	0	19.66	19.62	19.67	21	3					
Channel									37775	38000	38225		
Frequency (MHz)									2572.5	2595	2617.5		
5	QPSK	1	0	22.40	22.49	22.36			24	0			
5	QPSK	1	12	22.49	22.42	22.42							
5	QPSK	1	24	22.48	22.44	22.48							
5	QPSK	12	0	21.62	21.60	21.65							
5	QPSK	12	7	21.43	21.46	21.43	23	1					
5	QPSK	12	13	21.55	21.57	21.61							
5	QPSK	25	0	21.67	21.59	21.64							
5	16QAM	1	0	21.59	21.62	21.65							
5	16QAM	1	12	21.59	21.59	21.61	23	1					
5	16QAM	1	24	21.56	21.50	21.59							
5	16QAM	12	0	20.78	20.75	20.77							
5	16QAM	12	7	20.51	20.52	20.45							
5	16QAM	12	13	20.53	20.44	20.53	22	2					
5	16QAM	25	0	20.57	20.51	20.58							
5	64QAM	1	0	20.57	20.61	20.61							
5	64QAM	1	12	20.59	20.50	20.62							
5	64QAM	1	24	20.32	20.31	20.34	22	2					
5	64QAM	12	0	19.53	19.49	19.55							
5	64QAM	12	7	19.36	19.38	19.37							
5	64QAM	12	13	19.63	19.50	19.62							
5	64QAM	25	0	19.65	19.64	19.69	21	3					

Band 41_Ant 1																	
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)							
Channel									Tune-up limit (dBm)	MPR (dB)							
Frequency (MHz)																	
Channel									39750	40185	40620	41055	41490				
Frequency (MHz)									2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	22.66	22.68	22.59	22.58	22.63	24	0							
20	QPSK	1	49	22.61	22.67	22.58	22.52	22.61									
20	QPSK	1	99	22.49	22.47	22.54	22.53	22.54									
20	QPSK	50	0	21.62	21.69	21.70	21.57	21.68									
20	QPSK	50	24	21.76	21.66	21.74	21.60	21.79	23	1							
20	QPSK	50	59	21.70	21.65	21.73	21.58	21.75									
20	QPSK	100	0	21.66	21.74	21.70	21.64	21.72									
20	16QAM	1	0	21.62	21.55	21.55	21.57	21.59									
20	16QAM	1	49	21.99	21.95	21.96	21.92	21.91	23	1							
20	16QAM	1	99	21.60	21.88	21.62	21.66	21.67									
20	16QAM	50	0	20.72	20.77	20.74	20.68	20.81									
20	16QAM	50	24	20.79	20.80	20.80	20.69	20.73									
20	16QAM	50	50	20.84	20.78	20.68	20.74	20.79	22	2							
20	16QAM	100	0	20.78	20.78	20.75	20.72	20.72									
20	64QAM	1	0	20.43	20.35	20.36	20.30	20.43									
20	64QAM	1	49	20.75	20.68	20.66	20.68	20.68									
20	64QAM	1	99	20.41	20.34	20.41	20.34	20.48	22	2							
20	64QAM	50	0	19.71	19.78	19.79	19.58	19.67									
20	64QAM	50	24	19.82	19.80	19.82	19.67	19.81									
20	64QAM	50	50	19.77	19.71	19.68	19.66	19.58									
20	64QAM	100	0	19.78	19.75	19.73	19.68	19.76	21	3							
Channel											39725	40173	40620	41068	41515		
Frequency (MHz)											2503.5	2548.3	2593	2637.3	2682.5		
15	QPSK	1	0	22.51	22.53	22.52	22.43	22.51			24	0					
15	QPSK	1	37	22.44	22.52	22.41	22.41	22.51									
15	QPSK	1	74	22.53	22.57	22.50	22.51	22.51									
15	QPSK	36	0	21.61	21.65	21.57	21.60	21.69									
15	QPSK	36	20	21.63	21.64	21.70	21.58	21.64	23	1							
15	QPSK	36	39	21.61	21.65	21.62	21.63	21.63									
15	QPSK	75	0	21.55	21.59	21.61	21.59	21.55									
15	16QAM	1	0	21.61	21.63	21.52	21.51	21.67									
15	16QAM	1	37	21.89	21.89	21.80	21.76	21.82	23	1							
15	16QAM	1	74	21.63	21.60	21.56	21.60	21.68									
15	16QAM	36	0	20.62	20.65	20.59	20.56	20.59									
15	16QAM	36	20	20.67	20.66	20.57	20.52	20.62									
15	16QAM	36	39	20.56	20.56	20.51	20.60	20.63	22	2							
15	16QAM	75															



Band 41_Ant 1 (HUPE)												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	25.77	25.97	25.71	25.71	25.71	27	0		
20	QPSK	1	49	25.73	25.74	25.65	25.67	25.67				
20	QPSK	1	99	25.57	25.58	25.54	25.55	25.54				
20	QPSK	50	0	24.79	24.85	24.74	24.80	24.86				
20	QPSK	50	24	24.89	24.88	24.80	24.83	24.87				
20	16QAM	50	50	24.86	24.84	24.77	24.81	24.75	26	1		
20	QPSK	100	0	24.86	24.88	24.82	24.87	24.80				
20	16QAM	1	0	24.83	24.86	24.78	24.80	25.02				
20	16QAM	1	49	25.08	25.12	25.03	25.03	25.03				
20	16QAM	1	99	24.85	24.82	24.81	24.84	24.79				
20	16QAM	50	0	23.85	23.97	23.85	23.89	23.92	25	2		
20	16QAM	50	24	23.97	23.98	23.88	23.96	23.96				
20	16QAM	50	50	23.97	23.92	23.89	23.90	23.85				
20	16QAM	100	0	23.96	23.95	23.83	23.93	23.91				
20	64QAM	1	0	23.77	23.80	23.71	23.76	23.73				
20	64QAM	1	49	24.01	24.07	23.93	23.98	23.98	25	2		
20	64QAM	1	99	23.80	23.79	23.76	23.79	23.76				
20	64QAM	50	0	22.88	22.97	22.80	22.85	22.92				
20	64QAM	50	24	23.00	22.97	22.89	22.91	22.91				
20	64QAM	50	50	22.95	22.91	22.86	22.88	22.85				
20	64QAM	100	0	22.94	22.93	22.87	22.90	22.88	24	3		
Channel				39725	40173	40620	41068	41515				
Frequency (MHz)				2503.5	2548.3	2593	2637.3	2682.5				
15	QPSK	1	0	25.77	25.70	25.65	25.65	25.69			27.00	0
15	QPSK	1	37	25.73	25.72	25.70	25.72	25.75				
15	QPSK	1	74	25.74	25.76	25.65	25.70	25.73				
15	QPSK	36	0	24.87	24.86	24.80	24.80	24.83				
15	QPSK	36	20	24.92	24.92	24.82	24.86	24.85				
15	QPSK	36	39	24.92	24.85	24.79	24.85	24.82	26	1		
15	QPSK	75	0	24.90	24.87	24.76	24.84	24.83				
15	16QAM	1	0	24.93	24.91	24.83	24.82	24.91				
15	16QAM	1	37	25.09	25.12	25.00	24.99	25.04				
15	16QAM	1	74	24.94	24.96	24.85	24.91	24.91				
15	16QAM	36	0	23.90	23.92	23.79	23.82	23.86	25	2		
15	16QAM	36	20	23.96	23.92	23.85	23.81	23.88				
15	16QAM	36	39	23.94	23.90	23.81	23.82	23.84				
15	16QAM	75	0	23.97	23.98	23.82	23.89	23.90				
15	64QAM	1	0	23.88	23.86	23.78	23.83	23.82				
15	64QAM	1	37	24.02	24.03	24.40	23.93	23.97	25	2		
15	64QAM	1	74	23.92	23.92	23.79	23.86	23.82				
15	64QAM	36	0	22.90	22.95	22.84	22.83	22.88				
15	64QAM	36	20	23.00	22.93	22.92	22.91	22.91				
15	64QAM	36	39	22.98	22.92	22.82	22.88	22.89				
15	64QAM	75	0	22.96	22.94	22.83	22.89	22.89	24	3		
Channel				39700	40160	40620	41080	41540				
Frequency (MHz)				2501	2547	2593	2639	2685				
10	QPSK	1	0	25.71	25.72	25.66	25.68	25.74			27.00	0
10	QPSK	1	25	25.72	25.78	25.70	25.72	25.79				
10	QPSK	1	49	25.76	25.78	25.69	25.71	25.72				
10	QPSK	25	0	24.90	24.95	24.86	24.86	24.95				
10	QPSK	25	12	24.93	24.94	24.85	24.87	24.89				
10	QPSK	25	25	24.98	24.90	24.84	24.87	24.90	26	1		
10	QPSK	50	0	24.96	24.95	24.87	24.91	24.94				
10	16QAM	1	0	25.02	25.03	24.96	24.96	24.99				
10	16QAM	1	25	25.16	25.18	25.07	25.04	25.12				
10	16QAM	1	49	25.03	25.03	24.94	24.97	25.01				
10	16QAM	25	0	24.03	24.07	23.96	23.97	24.05	25	2		
10	16QAM	25	12	24.05	24.06	23.97	23.97	24.02				
10	16QAM	25	25	24.08	24.04	23.94	23.99	23.99				
10	16QAM	50	0	24.06	24.05	23.96	24.01	24.02				
10	64QAM	1	0	23.95	23.94	23.87	23.90	23.93				
10	64QAM	1	25	24.11	24.10	24.03	24.03	24.08	25	2		
10	64QAM	1	49	23.95	23.98	23.90	23.94	23.94				
10	64QAM	25	0	23.06	23.12	23.02	23.01	23.09				
10	64QAM	25	12	23.14	23.11	23.01	23.01	23.06				
10	64QAM	25	25	23.18	23.06	23.01	23.02	23.04				
10	64QAM	50	0	23.05	23.05	22.96	23.00	22.99	24	3		
Channel				39675	40148	40620	41093	41565				
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5				
5	QPSK	1	0	25.68	25.62	25.56	25.58	25.67			27.00	0
5	QPSK	1	12	25.70	25.76	25.65	25.65	25.72				
5	QPSK	1	24	25.69	25.66	25.58	25.60	25.63				
5	QPSK	12	0	24.89	24.91	24.81	24.82	24.89				
5	QPSK	12	7	24.98	25.01	24.87	24.91	24.94				
5	QPSK	12	13	25.02	24.97	24.84	24.87	24.94	26	1		
5	QPSK	25	0	24.91	24.89	24.78	24.84	24.89				
5	16QAM	1	0	24.91	24.92	24.84	24.85	24.90				
5	16QAM	1	12	25.12	25.10	24.99	25.01	25.08				
5	16QAM	1	24	24.95	24.95	24.84	24.86	24.91				
5	16QAM	12	0	23.93	23.98	23.88	23.86	23.94	25	2		
5	16QAM	12	7	24.08	24.07	23.98	23.94	24.01				
5	16QAM	12	13	24.05	24.05	23.94	23.95	23.99				
5	16QAM	25	0	23.98	24.05	23.90	23.95	23.99				
5	64QAM	1	0	23.88	23.88	23.82	23.82	23.88				
5	64QAM	1	12	24.03	24.06	23.95	23.96	24.04	25	2		
5	64QAM	1	24	24.39	23.88	23.80	23.82	23.85				
5	64QAM	12	0	22.97	22.98	22.89	22.89	22.95				
5	64QAM	12	7	23.09	23.05	22.94	22.99	23.00				
5	64QAM	12	13	23.04	23.02	22.90	22.92	22.96				
5	64QAM	25	0	23.03	23.02	22.93	22.98	23.01	24	3		



Band 38_Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	20.70	20.60	20.68	22	0		
20	QPSK	1	49	20.60	20.66	20.69				
20	QPSK	1	99	20.64	20.63	20.55				
20	QPSK	50	0	19.65	19.70	19.74	21	1		
20	QPSK	50	24	19.80	19.74	19.79				
20	QPSK	50	50	19.76	19.76	19.75				
20	QPSK	100	0	19.75	19.73	19.79	21	1		
20	16QAM	1	0	19.63	19.71	19.70				
20	16QAM	1	49	20.03	20.02	20.07				
20	16QAM	1	99	19.72	19.80	19.81	20	2		
20	16QAM	50	0	18.77	18.80	18.89				
20	16QAM	50	24	18.76	18.90	18.87				
20	16QAM	50	50	18.79	18.91	18.97	20	2		
20	16QAM	100	0	18.82	18.83	18.91				
20	16QAM	100	0	18.44	18.33	18.49				
20	64QAM	1	49	18.71	18.82	18.81	19	3		
20	64QAM	1	99	18.51	18.53	18.53				
20	64QAM	50	0	17.71	17.80	17.81				
20	64QAM	50	24	17.87	17.81	17.93	19	3		
20	64QAM	50	50	17.78	17.90	17.82				
20	64QAM	100	0	17.77	17.86	17.85				
Channel				37825	38000	38175				
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	20.56	20.58	20.64	22	0		
15	QPSK	1	37	20.62	20.63	20.61				
15	QPSK	1	74	20.65	20.60	20.63				
15	QPSK	36	0	19.71	19.75	19.80	21	1		
15	QPSK	36	20	19.75	19.78	19.85				
15	QPSK	36	39	19.70	19.79	19.86				
15	QPSK	75	0	19.73	19.76	19.79	21	1		
15	16QAM	1	0	19.70	19.67	19.73				
15	16QAM	1	37	19.95	19.99	20.05				
15	16QAM	1	74	19.83	19.82	19.82	20	2		
15	16QAM	36	0	18.69	18.67	18.78				
15	16QAM	36	20	18.74	18.75	18.81				
15	16QAM	36	39	18.70	18.75	18.79	20	2		
15	16QAM	75	0	18.79	18.80	18.85				
15	64QAM	1	0	18.43	18.43	18.52				
15	64QAM	1	37	18.69	18.71	18.76	20	2		
15	64QAM	1	74	18.49	18.58	18.59				
15	64QAM	36	0	17.70	17.72	17.80				
15	64QAM	36	20	17.77	17.77	17.84	19	3		
15	64QAM	36	39	17.68	17.78	17.83				
15	64QAM	75	0	17.75	17.70	17.79				
Channel				37800	38000	38200				
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	20.69	20.62	20.66	22	0		
10	QPSK	1	25	20.57	20.63	20.62				
10	QPSK	1	49	20.56	20.58	20.63				
10	QPSK	25	0	19.77	19.80	19.90	21	1		
10	QPSK	25	12	19.81	19.73	19.91				
10	QPSK	25	25	19.79	19.81	19.91				
10	QPSK	50	0	19.75	19.78	19.89	21	1		
10	16QAM	1	0	19.83	19.79	19.91				
10	16QAM	1	25	19.92	19.95	20.05				
10	16QAM	1	49	19.89	19.85	19.91	20	2		
10	16QAM	25	0	18.81	18.88	18.97				
10	16QAM	25	12	18.81	18.87	18.94				
10	16QAM	25	25	18.83	18.86	18.97	20	2		
10	16QAM	50	0	18.89	18.85	18.96				
10	64QAM	1	0	18.48	18.54	18.80				
10	64QAM	1	25	18.48	18.52	18.60	20	2		
10	64QAM	1	49	18.59	18.78	18.65				
10	64QAM	25	0	17.82	17.84	17.93				
10	64QAM	25	12	17.82	17.95	17.96	19	3		
10	64QAM	25	25	17.81	17.87	17.93				
10	64QAM	50	0	17.84	17.88	17.94				
Channel				37775	38000	38225				
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	20.55	20.60	20.69	22	0		
5	QPSK	1	12	20.55	20.59	20.60				
5	QPSK	1	24	20.58	20.62	20.69				
5	QPSK	12	0	19.70	19.76	19.82	21	1		
5	QPSK	12	7	19.76	19.80	19.85				
5	QPSK	12	13	19.79	19.82	19.89				
5	QPSK	25	0	19.73	19.72	19.85	21	1		
5	16QAM	1	0	19.65	19.84	19.79				
5	16QAM	1	12	19.92	19.95	20.05				
5	16QAM	1	24	19.71	19.71	19.78	20	2		
5	16QAM	12	0	18.67	18.70	18.79				
5	16QAM	12	7	18.72	18.76	18.90				
5	16QAM	12	13	18.75	18.77	18.83	20	2		
5	16QAM	25	0	18.70	18.84	18.86				
5	64QAM	1	0	18.45	18.50	18.57				
5	64QAM	1	12	18.95	18.83	18.79	20	2		
5	64QAM	1	24	18.45	18.49	18.53				
5	64QAM	12	0	17.77	17.75	17.83				
5	64QAM	12	7	17.79	17.81	17.93	19	3		
5	64QAM	12	13	17.74	17.72	17.82				
5	64QAM	25	0	17.77	17.83	17.88				

Band 41_Ant 2												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	20.72	20.87	20.72	20.71	20.72	22	0		
20	QPSK	1	49	20.71	20.61	20.64	20.69	20.72				
20	QPSK	1	99	20.66	20.49	20.65	20.62	20.71				
20	QPSK	50	0	19.86	19.72	19.73	19.83	19.74	21	1		
20	QPSK	50	24	19.87	19.93	19.79	19.87	19.79				
20	QPSK	50	50	19.82	19.87	19.71	19.71	19.77				
20	16QAM	1	0	18.70	19.86	19.80	19.75	19.78	21	1		
20	16QAM	1	0	19.81	19.63	19.60	19.71	19.76				
20	16QAM	1	49	20.17	19.91	20.02	20.05	20.05				
20	16QAM	1	99	19.71	19.69	19.69	19.82	19.72	20	2		
20	16QAM	50	0	18.96	18.75	18.82	18.87	18.88				
20	16QAM	50	24	19.02	18.82	18.91	18.89	18.90				
20	16QAM	50	50	18.96	18.77	18.80	18.90	18.76	20	2		
20	16QAM	100	0	18.97	18.77	18.73	18.90	18.91				
20	64QAM	1	0	18.62	18.40	18.37	18.50	18.42				
20	64QAM	1	49	18.86	18.73	18.82	18.82	18.86	20	2		
20	64QAM	1	99	18.54	18.41	18.50	18.46	18.54				
20	64QAM	50	0	17.96	17.70	17.80	17.83	17.83				
20	64QAM	50	24	18.03	17.79	17.84	17.77	17.89	19	3		
20	64QAM	50	50	17.91	17.60	17.82	17.81	17.75				
20	64QAM	100	0	17.94	17.70	17.87	17.89	17.80				
Channel				39725	40173	40620	41068	41515				
Frequency (MHz)				2503.5	2548.3	2593	2637.3	2682.5				
15	QPSK	1	0	20.78	20.53	20.64	20.71	20.65	22	0		
15	QPSK	1	37	20.58	20.36	20.57	20.60	20.54				
15	QPSK	1	74	20.77	20.56	20.71	20.74	20.65				
15	QPSK	36	0	19.87	19.65	19.72	19.74	19.73	21	1		
15	QPSK	36	20	19.91	19.67	19.78	19.81	19.76				
15	QPSK	36	39	19.86	19.65	19.77	19.78	19.74				
15	QPSK	75	0	19.85	19.64	19.72	19.81	19.76	21	1		
15	16QAM	1	0	20.13	19.75	19.87	19.92	19.87				
15	16QAM	1	37	20.04	19.84	20.11	20.05	20.00				
15	16QAM	1	74	20.15	19.86	19.95	19.95	19.85	20	2		
15	16QAM	36	0	18.86	18.59	18.71	18.75	18.72				
15	16QAM	36	20	18.90	18.64	18.76	18.77	18.73				
15	16QAM	36	39	18.83	18.64	18.75	18.79	18.69	20	2		
15	16QAM	75	0	18.88	18.66	18.77						



Band 41_Ant 2(HUPE)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2505	2549.5	2593	2636.5	2680		
20	QPSK	1	0	24.17	24.18	23.90	24.05	23.98	25	0
20	QPSK	1	49	24.15	24.00	23.87	24.04	23.97		
20	QPSK	1	99	23.89	23.76	23.83	23.86	23.74		
20	QPSK	50	0	23.13	22.99	22.99	23.12	23.01		
20	QPSK	50	24	23.17	23.18	23.06	23.13	23.03	24	1
20	QPSK	50	50	23.13	23.02	23.03	23.09	22.97		
20	QPSK	100	0	23.07	23.12	23.06	23.11	23.03		
20	16QAM	1	0	23.19	23.03	22.99	23.10	23.15		
20	16QAM	1	49	23.40	23.29	23.29	23.34	23.23	24	1
20	16QAM	1	99	23.40	23.11	23.09	23.13	22.98		
20	16QAM	50	0	22.24	22.10	22.12	22.20	22.12		
20	16QAM	50	24	22.33	22.17	22.16	22.23	22.14		
20	16QAM	50	50	22.24	22.12	22.14	22.16	22.07	23	2
20	16QAM	100	0	22.25	22.10	22.14	22.19	22.12		
20	64QAM	1	0	22.14	22.22	21.95	22.06	21.97		
20	64QAM	1	49	22.34	22.21	22.21	22.27	22.18		
20	64QAM	1	99	22.10	21.99	22.02	22.08	21.92	22	3
20	64QAM	50	0	21.22	21.10	21.06	21.20	21.11		
20	64QAM	50	24	21.29	21.10	21.10	21.20	21.11		
20	64QAM	50	50	21.24	21.09	21.11	21.14	21.03		
20	64QAM	100	0	21.23	21.11	21.09	21.18	21.09		
Channel				39725	40173	40620	41088	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.3	2682.5		
15	QPSK	1	0	24.12	23.90	23.85	23.97	23.92	25	0
15	QPSK	1	37	24.13	23.98	23.89	24.04	23.93		
15	QPSK	1	74	24.08	23.83	23.82	23.99	23.87		
15	QPSK	36	0	23.22	23.03	23.01	23.09	23.03		
15	QPSK	36	20	23.26	23.05	23.08	23.13	23.06	24	1
15	QPSK	36	39	23.22	23.01	23.04	23.12	23.02		
15	QPSK	75	0	23.21	23.02	23.03	23.10	23.03		
15	16QAM	1	0	23.30	23.10	23.08	23.36	23.31		
15	16QAM	1	37	23.44	23.28	23.27	23.32	23.22	24	1
15	16QAM	1	74	23.26	23.15	23.13	23.20	23.05		
15	16QAM	36	0	22.24	22.07	22.06	22.11	22.04		
15	16QAM	36	20	22.29	22.07	22.08	22.10	22.09		
15	16QAM	36	39	22.24	22.05	22.04	22.16	22.03	23	2
15	16QAM	75	0	22.30	22.10	22.10	22.17	22.12		
15	64QAM	1	0	22.23	22.01	22.04	22.11	22.03		
15	64QAM	1	37	22.37	22.20	22.16	22.24	22.16		
15	64QAM	1	74	22.70	22.29	22.06	22.15	21.99	23	2
15	64QAM	36	0	21.25	21.08	21.05	21.14	21.07		
15	64QAM	36	20	21.33	21.11	21.12	21.15	21.10		
15	64QAM	36	39	21.28	21.08	21.09	21.14	21.05		
15	64QAM	75	0	21.29	21.08	21.07	21.17	21.10		
Channel				39700	40160	40620	41080	41540		
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	24.12	23.89	23.82	23.98	23.93	25	0
10	QPSK	1	25	24.12	23.86	23.85	24.03	23.97		
10	QPSK	1	49	24.08	23.92	23.84	24.00	23.89		
10	QPSK	25	0	23.27	23.12	23.09	23.17	23.12		
10	QPSK	25	12	23.29	23.12	23.11	23.17	23.11	24	1
10	QPSK	25	25	23.32	23.09	23.09	23.16	23.11		
10	QPSK	50	0	23.32	23.10	23.12	23.19	23.13		
10	16QAM	1	0	23.39	23.20	23.21	23.27	23.19		
10	16QAM	1	25	23.51	23.34	23.33	23.36	23.31	24	1
10	16QAM	1	49	23.38	23.22	23.23	23.29	23.16		
10	16QAM	25	0	22.38	22.21	22.22	22.24	22.25		
10	16QAM	25	12	22.41	22.20	22.24	22.29	22.21		
10	16QAM	25	25	22.42	22.17	22.16	22.27	22.17	23	2
10	16QAM	50	0	22.38	22.18	22.21	22.27	22.21		
10	64QAM	1	0	22.29	22.34	22.13	22.21	22.13		
10	64QAM	1	25	22.45	22.28	22.25	22.33	22.24		
10	64QAM	1	49	22.29	22.13	22.13	22.25	22.10	22	3
10	64QAM	25	0	21.42	21.26	21.23	21.32	21.26		
10	64QAM	25	12	21.45	21.25	21.24	21.30	21.27		
10	64QAM	25	25	21.47	21.20	21.25	21.30	21.24		
10	64QAM	50	0	21.36	21.17	21.18	21.28	21.19		
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	23.99	23.79	23.79	23.86	23.82	25	0
5	QPSK	1	12	24.10	23.92	23.89	23.93	23.90		
5	QPSK	1	24	24.01	23.83	23.83	23.91	23.82		
5	QPSK	12	0	23.23	23.04	23.07	23.13	23.04		
5	QPSK	12	7	23.33	23.14	23.13	23.17	23.13	24	1
5	QPSK	12	13	23.31	23.13	23.09	23.17	23.12		
5	QPSK	25	0	23.22	23.05	23.04	23.13	23.06		
5	16QAM	1	0	23.26	23.09	23.10	23.15	23.09		
5	16QAM	1	12	23.45	23.27	23.26	23.29	23.25	24	1
5	16QAM	1	24	23.30	23.11	23.10	23.17	23.07		
5	16QAM	12	0	22.28	22.11	22.13	22.19	22.13		
5	16QAM	12	7	22.39	22.19	22.20	22.23	22.18		
5	16QAM	12	13	22.38	22.20	22.20	22.26	22.18	23	2
5	16QAM	25	0	22.34	22.19	22.16	22.26	22.16		
5	64QAM	1	0	22.24	22.02	22.05	22.11	22.06		
5	64QAM	1	12	22.40	22.22	22.21	22.24	22.22		
5	64QAM	1	24	22.25	22.05	22.02	22.09	22.03	23	2
5	64QAM	12	0	21.32	21.15	21.14	21.18	21.13		
5	64QAM	12	7	21.39	21.19	21.19	21.24	21.17		
5	64QAM	12	13	21.37	21.18	21.16	21.21	21.10		
5	64QAM	25	0	21.38	21.20	21.17	21.27	21.18		



Band 2_Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 18700	Power Middle Ch. / Freq. 18900	Power High Ch. / Freq. 19100	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	14.80	14.86	14.90				
20	QPSK	1	49	14.89	14.86	14.57	15.5	0		
20	QPSK	1	99	14.61	14.29	14.29				
20	QPSK	50	0	14.07	13.73	13.83				
20	QPSK	50	24	14.08	13.78	13.54	14.5	1		
20	QPSK	50	50	13.91	13.51	13.44				
20	QPSK	100	0	13.98	13.83	13.51				
20	16QAM	1	0	14.24	14.07	13.80				
20	16QAM	1	49	14.29	14.11	13.93	14.5	1		
20	16QAM	1	99	13.83	13.80	13.83				
20	16QAM	50	0	13.07	12.74	12.85				
20	16QAM	50	24	13.01	12.77	12.52	13.5	2		
20	16QAM	50	50	12.89	12.51	12.43				
20	16QAM	100	0	12.98	12.61	12.47				
20	64QAM	1	0	13.16	12.85	12.82				
20	64QAM	1	49	13.22	13.30	12.73	13.5	2		
20	64QAM	1	99	12.80	12.48	12.45				
20	64QAM	50	0	12.04	11.72	11.59				
20	64QAM	50	24	11.96	11.74	11.50	12.5	3		
20	64QAM	50	50	11.88	11.49	11.39				
20	64QAM	100	0	11.84	11.49	11.47				
Channel										
Frequency (MHz)										
15	QPSK	1	0	14.82	14.80	14.32				
15	QPSK	1	37	14.85	14.72	14.47	15.5	0		
15	QPSK	1	74	14.53	14.18	14.14				
15	QPSK	36	0	13.93	13.64	13.50				
15	QPSK	36	20	13.87	13.65	13.48	14.5	1		
15	QPSK	36	39	13.85	13.40	13.38				
15	QPSK	75	0	13.88	13.54	13.41				
15	16QAM	1	0	14.13	14.00	13.68				
15	16QAM	1	37	14.05	14.00	13.83	14.5	1		
15	16QAM	1	74	13.82	13.50	13.52				
15	16QAM	36	0	12.96	12.63	12.47				
15	16QAM	36	20	12.86	12.69	12.37	13.5	2		
15	16QAM	36	39	12.74	12.36	12.36				
15	16QAM	75	0	12.83	12.53	12.31				
15	64QAM	1	0	13.09	12.79	12.52				
15	64QAM	1	37	13.10	13.15	12.59	13.5	2		
15	64QAM	1	74	12.71	12.36	12.34				
15	64QAM	36	0	11.88	11.60	11.44				
15	64QAM	36	20	11.84	11.20	11.09	12.5	3		
15	64QAM	36	39	11.75	11.42	11.24				
15	64QAM	75	0	11.81	11.46	11.37				
Channel										
Frequency (MHz)										
10	QPSK	1	0	14.76	14.52	14.34				
10	QPSK	1	25	14.86	14.78	14.41	15.5	0		
10	QPSK	1	49	14.54	14.13	14.20				
10	QPSK	25	0	13.95	13.57	13.57				
10	QPSK	25	12	13.90	13.63	13.41	14.5	1		
10	QPSK	25	25	13.86	13.37	13.32				
10	QPSK	50	0	13.86	13.53	13.39				
10	16QAM	1	0	14.10	13.84	13.72	14.5	1		
10	16QAM	1	25	14.21	14.02	13.77				
10	16QAM	1	49	13.79	13.55	13.52				
10	16QAM	25	0	12.93	12.62	12.43				
10	16QAM	25	12	12.94	12.70	12.46	13.5	2		
10	16QAM	25	25	12.80	12.37	12.29				
10	16QAM	50	0	12.82	12.56	12.31				
10	64QAM	1	0	13.00	12.76	12.56				
10	64QAM	1	25	13.07	13.23	12.88	13.5	2		
10	64QAM	1	49	12.65	12.42	12.37				
10	64QAM	25	0	11.80	11.45	11.64				
10	64QAM	25	12	11.85	11.62	11.40	12.5	3		
10	64QAM	25	25	11.74	11.41	11.25				
10	64QAM	50	0	11.81	11.47	11.31				
Channel										
Frequency (MHz)										
5	QPSK	1	0	14.78	14.54	14.34				
5	QPSK	1	12	14.87	14.80	14.43	15.5	0		
5	QPSK	1	24	14.52	14.22	14.14				
5	QPSK	12	0	14.02	13.61	13.54				
5	QPSK	12	7	13.86	13.63	13.49	14.5	1		
5	QPSK	12	13	13.78	13.56	13.37				
5	QPSK	25	0	13.92	13.55	13.36				
5	QPSK	25	0	14.17	13.92	13.73	14.5	1		
5	16QAM	1	12	14.23	13.98	13.80	14.5	1		
5	16QAM	1	24	13.80	13.52	13.52				
5	16QAM	12	0	12.93	12.64	12.53				
5	16QAM	12	7	12.85	12.63	12.38	13.5	2		
5	16QAM	12	13	12.80	12.44	12.34				
5	16QAM	25	0	12.84	12.47	12.38				
5	64QAM	1	0	13.07	12.75	12.49				
5	64QAM	1	12	13.29	13.55	12.64	13.5	2		
5	64QAM	1	24	12.75	12.40	12.34				
5	64QAM	12	0	11.94	11.66	11.45				
5	64QAM	12	7	11.80	11.60	11.35	12.5	3		
5	64QAM	12	13	11.83	11.34	11.28				
5	64QAM	25	0	11.89	11.46	11.32				
Channel										
Frequency (MHz)										
3	QPSK	1	0	14.79	14.56	14.31				
3	QPSK	1	8	14.82	14.73	14.46	15.5	0		
3	QPSK	1	14	14.52	14.24	14.15				
3	QPSK	8	0	13.93	13.56	13.56	14.5	1		
3	QPSK	8	4	13.85	13.72	13.38				
3	QPSK	8	7	13.82	13.39	13.28				
3	QPSK	15	0	13.89	13.58	13.40				
3	16QAM	1	0	14.19	13.95	13.73				
3	16QAM	1	8	14.21	14.02	13.88	14.5	1		
3	16QAM	1	14	13.84	13.49	13.60				
3	16QAM	8	0	13.01	12.58	12.44				
3	16QAM	8	4	12.95	12.71	12.47	13.5	2		
3	16QAM	8	7	12.78	12.39	12.27				
3	16QAM	15	0	12.82	12.50	12.53				
3	64QAM	1	12	13.03	12.77	12.50	13.5	2		
3	64QAM	1	8	13.08	13.14	12.62				
3	64QAM	1	14	12.68	12.37	12.37				
3	64QAM	8	0	11.90	11.64	11.47				
3	64QAM	8	4	11.85	11.67	11.43	12.5	3		
3	64QAM	8	7	11.76	11.38	11.31				
3	64QAM	15	0	11.83	11.53	11.38				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	14.75	14.54	14.35				
1.4	QPSK	1	3	14.87	14.72	14.51	15.5	0		
1.4	QPSK	1	5	14.49	14.24	14.21				
1.4	QPSK	3	0	14.49	14.49	14.21				
1.4	QPSK	3	1	14.73	14.65	14.45				
1.4	QPSK	3	3	14.38	14.16	14.07				
1.4	QPSK	6	0	13.82	13.48	13.44	14.5	1		
1.4	16QAM	1	0	14.18	13.92	13.71				
1.4	16QAM	1	3	14.21	14.05	13.78				
1.4	16QAM	1	5	13.85	13.49	13.54	14.5	1		
1.4	16QAM	3	0	14.02	13.79	13.56				
1.4	16QAM	3	1	14.15	13.94	13.71				
1.4	16QAM	3	3	13.73	13.37	13.47				
1.4	16QAM	6	0	12.86	12.63	12.41	13.5	2		
1.4	64QAM	1	0	13.11	12.78	12.51				
1.4	64QAM	1	3	13.13	13.20	12.57				
1.4	64QAM	1	5	12.70	12.39	12.37	13.5	2		
1.4	64QAM	3	0	13.00	12.62	12.37				
1.4	64QAM	3	1	13.02	13.05	12.47				
1.4	64QAM	3	3	12.58	12.26	12.23				
1.4	64QAM	6	0	11.82	11.51	11.37	12.5	3		

Band 5_Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 20450	Power Middle Ch. / Freq. 20525	Power High Ch. / Freq. 20600	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	20.33	20.40	20.51				
10	QPSK	1	25	20.45	20.51	20.53	22	0		
10	QPSK	1	49	20.38	20.48	20.59				
10	QPSK	25	0	19.44	19.43	19.61				
10	QPSK	25	12	19.40	19.50	19.62	21	1		
10	QPSK	25	25	19.48	19.52	19.54				
10	QPSK	50	0	19.47	19.49	19.57				
10	16QAM	1	0	19.63	19.71	19.78				
10	16QAM	1	25	19.78	19.83	19.89	21	1		
10	16QAM	1	49	19.66	19.82	19.87				
10	16QAM	25	0	18.46	18.44	18.52				
10	16QAM	25	12	18.43	18.40	18.60	20	2		
10	16QAM	25	25	18.49	18.53	18.56				
10	16QAM	50	0	18.46	18.48	18.57				
10	64QAM	1	0	18.52	18.56	18.64				
10	64QAM	1	25	18.66	18.74	18.80	20	2		
10	64QAM	1	49	18.56	18.65	18.79				
10	64QAM	25	0	17.45	17					



Band 25_Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				26140	26340	26590				
Frequency (MHz)				1860	1860	1905				
20	QPSK	1	0	14.62	14.55	14.48	15.5	0		
20	QPSK	1	49	14.51	14.52	14.47				
20	QPSK	1	99	14.21	14.23	14.01				
20	QPSK	50	0	13.60	13.45	13.43	14.5	1		
20	QPSK	50	24	13.61	13.63	13.46				
20	QPSK	50	50	13.49	13.43	13.06				
20	QPSK	100	0	13.51	13.57	13.22	14.5	1		
20	16QAM	1	0	13.89	13.75	13.76				
20	16QAM	1	49	13.91	13.93	13.81				
20	16QAM	1	99	13.60	13.69	13.56	13.5	2		
20	16QAM	50	0	12.85	12.45	12.74				
20	16QAM	50	24	12.83	12.52	12.44				
20	16QAM	50	50	12.51	12.34	12.03	13.5	2		
20	16QAM	100	0	12.99	12.38	12.22				
20	64QAM	1	0	12.62	12.59	12.61				
20	64QAM	1	49	12.68	12.81	12.73	12.5	3		
20	64QAM	1	99	12.39	12.52	12.25				
20	64QAM	50	0	11.63	11.45	11.38				
20	64QAM	50	24	11.48	11.48	11.42	12.5	3		
20	64QAM	50	50	11.49	11.29	11.01				
20	64QAM	100	0	11.68	11.34	11.19				
Channel				26115	26340	26615	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1857.5	1880	1907.5				
15	QPSK	1	0	14.32	14.21	14.23	15.5	0		
15	QPSK	1	37	14.39	14.47	14.32				
15	QPSK	1	74	14.08	14.17	13.89				
15	QPSK	36	0	13.62	13.30	13.35	14.5	1		
15	QPSK	36	20	13.44	13.38	13.34				
15	QPSK	36	39	13.34	13.22	12.97				
15	QPSK	75	0	13.46	13.27	13.14	14.5	1		
15	16QAM	1	0	13.77	13.65	13.61				
15	16QAM	1	37	13.62	13.13	13.73				
15	16QAM	1	74	13.60	13.64	13.49	13.5	2		
15	16QAM	36	0	12.58	12.31	12.32				
15	16QAM	36	20	12.41	12.36	12.31				
15	16QAM	36	39	12.42	12.18	11.97	13.5	2		
15	16QAM	75	0	12.47	12.32	12.10				
15	64QAM	1	0	12.48	12.49	12.48				
15	64QAM	1	37	12.54	12.75	12.59	13.5	2		
15	64QAM	1	74	12.27	12.36	12.14				
15	64QAM	36	0	11.58	11.33	11.24				
15	64QAM	36	20	11.34	11.34	11.30	12.5	3		
15	64QAM	36	39	11.42	11.21	10.95				
15	64QAM	75	0	11.49	11.28	11.09				
Channel				26090	26340	26640	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1855	1880	1910				
10	QPSK	1	0	14.29	14.28	14.17	15.5	0		
10	QPSK	1	25	14.43	14.47	14.33				
10	QPSK	1	49	14.09	14.08	13.93				
10	QPSK	25	0	13.48	13.29	13.29	14.5	1		
10	QPSK	25	12	13.38	13.46	13.30				
10	QPSK	25	25	13.37	13.27	13.01				
10	QPSK	50	0	13.50	13.32	13.06	14.5	1		
10	16QAM	1	0	13.77	13.65	13.69				
10	16QAM	1	25	13.63	13.84	13.70				
10	16QAM	1	49	13.50	13.54	13.45	13.5	2		
10	16QAM	25	0	12.60	12.29	12.28				
10	16QAM	25	12	12.37	12.44	12.39				
10	16QAM	25	25	12.35	12.20	11.96	13.5	2		
10	16QAM	50	0	12.47	12.29	12.11				
10	64QAM	1	0	12.54	12.49	12.50				
10	64QAM	1	25	12.58	12.74	12.65	12.5	3		
10	64QAM	1	49	12.28	12.40	12.09				
10	64QAM	25	0	11.63	11.39	11.22				
10	64QAM	25	12	11.34	11.40	11.33	12.5	3		
10	64QAM	25	25	11.34	11.13	10.85				
10	64QAM	50	0	11.41	11.20	11.04				
Channel				26065	26340	26665	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1852.5	1880	1912.5				
5	QPSK	1	0	14.22	14.20	14.19	15.5	0		
5	QPSK	1	12	14.38	14.42	14.38				
5	QPSK	1	24	14.12	14.10	13.94				
5	QPSK	12	0	13.49	13.30	13.38	14.5	1		
5	QPSK	12	7	13.36	13.46	13.33				
5	QPSK	12	13	13.40	13.25	12.91				
5	QPSK	25	0	13.45	13.22	13.15	14.5	1		
5	16QAM	1	0	13.80	13.70	13.64				
5	16QAM	1	12	13.80	13.77	13.71				
5	16QAM	1	24	13.47	13.62	13.43	13.5	2		
5	16QAM	12	0	12.50	12.36	12.36				
5	16QAM	12	7	12.47	12.40	12.38				
5	16QAM	12	13	12.38	12.22	11.95	13.5	2		
5	16QAM	25	0	12.51	12.32	12.09				
5	64QAM	1	0	12.53	12.45	12.54				
5	64QAM	1	12	12.67	12.73	12.60	13.5	2		
5	64QAM	1	24	12.33	12.40	12.16				
5	64QAM	12	0	11.56	11.34	11.31				
5	64QAM	12	7	11.32	11.36	11.32	12.5	3		
5	64QAM	12	13	11.40	11.22	10.94				
5	64QAM	25	0	11.43	11.27	11.08				
Channel				26055	26340	26675	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1851.5	1880	1913.5				
3	QPSK	1	0	14.30	14.22	14.24	15.5	0		
3	QPSK	1	8	14.37	14.42	14.34				
3	QPSK	1	14	14.05	14.09	13.94				
3	QPSK	8	0	13.48	13.34	13.29	14.5	1		
3	QPSK	8	4	13.35	13.47	13.40				
3	QPSK	8	7	13.33	13.22	12.95				
3	QPSK	15	0	13.41	13.26	13.09	14.5	1		
3	16QAM	1	0	13.79	13.68	13.60				
3	16QAM	1	8	13.76	13.84	13.68				
3	16QAM	1	14	13.52	13.63	13.41	13.5	2		
3	16QAM	8	0	12.57	12.40	12.31				
3	16QAM	8	4	12.39	12.37	12.38				
3	16QAM	8	7	12.40	12.28	11.91	13.5	2		
3	16QAM	15	0	12.43	12.27	12.07				
3	64QAM	1	0	12.55	12.53	12.53				
3	64QAM	1	8	12.55	12.75	12.81	13.5	2		
3	64QAM	1	14	12.34	12.47	12.20				
3	64QAM	8	0	11.48	11.35	11.28				
3	64QAM	8	4	11.39	11.37	11.31	12.5	3		
3	64QAM	8	7	11.35	11.18	10.88				
3	64QAM	15	0	11.43	11.22	11.10				
Channel				26047	26340	26683	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1850.7	1880	1914.3				
1.4	QPSK	1	0	14.28	14.21	14.25	15.5	0		
1.4	QPSK	1	3	14.45	14.44	14.36				
1.4	QPSK	1	5	14.13	14.17	13.91				
1.4	QPSK	3	0	14.21	14.14	14.10	14.5	1		
1.4	QPSK	3	1	14.30	14.28	14.31				
1.4	QPSK	3	3	14.02	14.09	13.76				
1.4	QPSK	6	0	13.49	13.28	13.09	14.5	1		
1.4	16QAM	1	0	13.82	13.61	13.60				
1.4	16QAM	1	3	13.79	13.77	13.66				
1.4	16QAM	1	5	13.46	13.60	13.41	14.5	1		
1.4	16QAM	3	0	13.68	13.55	13.44				
1.4	16QAM	3	1	13.68	13.65	13.50				
1.4	16QAM	3	3	13.35	13.53	13.32	13.5	2		
1.4	16QAM	6	0	12.46	12.22	12.16				
1.4	64QAM	1	0	12.47	12.53	12.52				
1.4	64QAM	1	3	12.58	12.71	12.67	13.5	2		
1.4	64QAM	1	5	12.23	12.37	12.09				
1.4	64QAM	3	0	12.33	12.41	12.36				
1.4	64QAM	3	1	12.52	12.55	12.62	12.5	3		
1.4	64QAM	3	3	12.17	12.30	12.00				
1.4	64QAM	6	0	11.49	11.18	11.05				

Band 26_Ant 2(FCC)										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										



Band 38_Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	15.21	14.89	14.83	16.5	0		
20	QPSK	1	49	15.18	15.18	15.16				
20	QPSK	1	99	15.07	14.96	14.83				
20	QPSK	50	0	14.20	14.13	14.07	15.5	1		
20	QPSK	50	24	14.30	14.24	14.09				
20	QPSK	50	50	14.20	14.06	14.11				
20	QPSK	100	0	14.33	14.12	14.17	15.5	1		
20	16QAM	1	0	14.44	14.30	14.21				
20	16QAM	1	49	14.60	14.48	14.45				
20	16QAM	1	99	14.30	14.30	14.14	14.5	2		
20	16QAM	50	0	13.29	13.15	13.11				
20	16QAM	50	24	13.34	13.19	13.18				
20	16QAM	50	50	13.21	13.17	13.14	14.5	2		
20	16QAM	100	0	13.33	13.19	13.12				
20	64QAM	1	0	13.26	13.04	13.03				
20	64QAM	1	49	13.46	13.31	13.23	14.5	2		
20	64QAM	1	99	13.15	13.11	13.01				
20	64QAM	50	0	12.32	12.15	12.20				
20	64QAM	50	24	12.33	12.19	12.19	13.5	3		
20	64QAM	50	50	12.24	12.16	12.11				
20	64QAM	100	0	12.26	12.15	12.14				
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	15.04	14.73	14.70	16.5	0		
15	QPSK	1	37	15.16	15.11	15.08				
15	QPSK	1	74	14.95	14.81	14.76				
15	QPSK	36	0	14.20	14.01	13.97	15.5	1		
15	QPSK	36	20	14.24	14.15	13.99				
15	QPSK	36	39	14.13	13.92	14.02				
15	QPSK	75	0	14.26	14.01	14.02	15.5	1		
15	16QAM	1	0	14.31	14.22	14.10				
15	16QAM	1	37	14.51	14.36	14.29				
15	16QAM	1	74	14.24	14.14	14.03	14.5	2		
15	16QAM	36	0	13.22	13.09	12.99				
15	16QAM	36	20	13.18	13.14	13.13				
15	16QAM	36	39	13.05	13.03	13.02	14.5	2		
15	16QAM	75	0	13.20	13.03	13.02				
15	64QAM	1	0	13.17	12.95	12.97				
15	64QAM	1	37	13.39	13.25	13.08	14.5	2		
15	64QAM	1	74	13.02	12.99	12.89				
15	64QAM	36	0	12.22	12.02	12.12				
15	64QAM	36	20	12.18	12.03	12.06	13.5	3		
15	64QAM	36	39	12.14	12.05	12.04				
15	64QAM	75	0	12.12	12.00	12.01				
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	15.04	14.75	14.72	16.5	0		
10	QPSK	1	25	15.16	15.05	15.03				
10	QPSK	1	49	14.94	14.80	14.67				
10	QPSK	25	0	14.25	13.99	14.01	15.5	1		
10	QPSK	25	12	14.24	14.17	14.01				
10	QPSK	25	25	14.11	13.88	14.03				
10	QPSK	50	0	14.21	14.01	14.12	15.5	1		
10	16QAM	1	0	14.33	14.24	14.14				
10	16QAM	1	25	14.44	14.35	14.29				
10	16QAM	1	49	14.25	14.25	13.99	14.5	2		
10	16QAM	25	0	13.18	13.00	13.02				
10	16QAM	25	12	13.28	13.12	13.13				
10	16QAM	25	25	13.13	13.07	13.08	14.5	2		
10	16QAM	50	0	13.21	13.13	13.01				
10	64QAM	1	0	13.18	12.89	12.89				
10	64QAM	1	25	13.39	13.23	13.09	14.5	2		
10	64QAM	1	49	13.03	13.05	12.91				
10	64QAM	25	0	12.23	12.04	12.15				
10	64QAM	25	12	12.24	12.10	12.07	13.5	3		
10	64QAM	25	25	12.15	12.09	11.95				
10	64QAM	50	0	12.17	12.09	12.02				
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	15.03	14.80	14.76	16.5	0		
5	QPSK	1	12	15.13	15.11	15.02				
5	QPSK	1	24	14.91	14.82	14.67				
5	QPSK	12	0	14.18	14.08	13.98	15.5	1		
5	QPSK	12	7	14.21	14.17	13.99				
5	QPSK	12	13	14.07	13.91	14.02				
5	QPSK	25	0	14.25	14.02	14.02	15.5	1		
5	16QAM	1	0	14.30	14.24	14.06				
5	16QAM	1	12	14.51	14.33	14.34				
5	16QAM	1	24	14.23	14.25	14.05	14.5	2		
5	16QAM	12	0	13.19	13.00	13.06				
5	16QAM	12	7	13.24	13.13	13.06				
5	16QAM	12	13	13.08	13.05	13.09	14.5	2		
5	16QAM	25	0	13.21	13.12	13.04				
5	64QAM	1	0	13.20	12.97	12.90				
5	64QAM	1	12	13.32	13.18	13.08	14.5	2		
5	64QAM	1	24	13.00	13.02	12.92				
5	64QAM	12	0	12.27	11.99	12.13				
5	64QAM	12	7	12.17	12.07	12.09	13.5	3		
5	64QAM	12	13	12.11	12.01	12.06				
5	64QAM	25	0	12.18	12.10	12.05				

Band 41_Ant 2												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Low Middle Ch. Freq.	Power High Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				39750	40185	40600	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	15.26	15.33	15.21	15.24	15.30	16.5	0		
20	QPSK	1	49	15.20	15.20	15.09	15.19	15.18				
20	QPSK	1	99	15.20	15.10	15.05	15.19	15.06				
20	QPSK	50	0	14.24	14.14	14.17	14.24	14.22	15.5	1		
20	QPSK	50	24	14.28	14.29	14.19	14.28	14.26				
20	QPSK	50	50	14.20	14.15	14.14	14.24	14.18				
20	QPSK	100	0	14.27	14.29	14.18	14.27	14.21	15.5	1		
20	16QAM	1	0	14.31	14.11	14.05	14.10	14.18				
20	16QAM	1	49	14.55	14.35	14.39	14.47	14.48				
20	16QAM	1	99	14.27	14.13	14.07	14.24	14.11	14.5	2		
20	16QAM	50	0	13.36	13.15	13.16	13.23	13.26				
20	16QAM	50	24	13.42	13.18	13.21	13.27	13.28				
20	16QAM	50	50	13.38	13.16	13.15	13.25	13.20	14.5	2		
20	16QAM	100	0	13.43	13.19	13.20	13.28	13.28				
20	64QAM	1	0	13.05	12.82	12.79	12.82	12.80				
20	64QAM	1	49	13.34	13.15	13.17	13.25	13.14	14.5	2		
20	64QAM	1	99	12.95	12.82	12.85	12.96	12.86				
20	64QAM	50	0	12.47	12.24	12.24	12.30	12.28				
20	64QAM	50	24	12.49	12.27	12.25	12.33	12.34	13.5	3		
20	64QAM	50	50	12.43	12.25	12.25	12.32	12.27				
20	64QAM	100	0	12.49	12.29	12.26	12.35	12.31				
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2503.5	2546.3	2593	2637.4	2682.5				
15	QPSK	1	0	15.12	14.96	14.93	14.89	15.05	16.5	0		
15	QPSK	1	37	15.22	14.94	14.98	15.03	15.07				
15	QPSK	1	74	15.10	14.95	14.93	15.13	14.92				
15	QPSK	36	0	14.24	14.04	14.10	14.15	14.10	15.5	1		
15	QPSK	36	20	14.32	14.06	14.03	14.18	14.20				
15	QPSK	36	39	14.17	14.04	14.02	14.10	14.12				
15	QPSK	75	0	14.32	14.04	14.07	14.22	14.17	15.5	1		
15	16QAM	1	0	14.20	14.02	13.99	14.02	14.11				
15	16QAM	1	37	14.49	14.23	14.29	14.39	14.36				
15	16QAM	1	74	14.13	14.01	13.95	14.15	13.97	14.5	2		
15	16QAM	36	0	13.20	12.99							



Band 41_Ant 2(HUPE)												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Low Middle Ch / Freq.	Power Middle Ch / Freq.	Power High Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	18.21	18.22	18.06	18.09	18.09	19	0		
20	QPSK	1	49	18.20	17.94	17.96	18.05	18.00				
20	QPSK	1	99	18.15	18.02	18.05	18.05	18.06				
20	QPSK	50	0	17.30	17.25	17.22	17.26	17.28				
20	QPSK	50	24	17.38	17.45	17.26	17.35	17.36				
20	16QAM	50	50	17.30	17.21	17.24	17.33	17.28	18	1		
20	QPSK	100	0	17.34	17.43	17.22	17.31	17.31				
20	16QAM	1	0	17.55	17.35	17.37	17.36	17.41				
20	16QAM	1	49	17.80	17.72	17.61	17.67	17.62				
20	16QAM	1	99	17.52	17.35	17.38	17.49	17.39				
20	16QAM	50	0	16.48	16.31	16.28	16.36	16.34	17	2		
20	16QAM	50	24	16.56	16.29	16.32	16.39	16.40				
20	16QAM	50	50	16.49	16.25	16.26	16.38	16.32				
20	16QAM	100	0	16.49	16.25	16.26	16.37	16.36				
20	64QAM	1	0	16.45	16.27	16.56	16.20	16.43				
20	64QAM	1	49	16.84	16.42	16.51	16.51	16.47	17	2		
20	64QAM	1	99	16.75	16.35	16.21	16.31	16.24				
20	64QAM	50	0	15.47	15.27	15.25	15.31	15.32				
20	64QAM	50	24	15.54	15.28	15.29	15.40	15.35				
20	64QAM	50	50	15.47	15.24	15.28	15.35	15.29				
20	64QAM	100	0	15.48	15.25	15.28	15.31	15.35	16	3		
Channel				39725	40173	40620	41088	41515				
Frequency (MHz)				2503.5	2548.3	2593	2637.3	2682.5				
15	QPSK	1	0	18.16	17.84	17.90	17.95	17.93			19	0
15	QPSK	1	37	18.14	17.84	17.80	18.00	17.87				
15	QPSK	1	74	18.10	17.91	17.94	18.10	17.92				
15	QPSK	36	0	17.35	17.17	17.11	17.20	17.20				
15	QPSK	36	20	17.41	17.16	17.13	17.28	17.31				
15	QPSK	36	39	17.33	17.11	17.10	17.22	17.14	18	1		
15	QPSK	75	0	17.38	17.16	17.07	17.16	17.24				
15	16QAM	1	0	17.45	17.30	17.28	17.24	17.28				
15	16QAM	1	37	17.71	17.58	17.53	17.55	17.54				
15	16QAM	1	74	17.47	17.20	17.30	17.41	17.27				
15	16QAM	36	0	16.36	16.16	16.17	16.21	16.29	17	2		
15	16QAM	36	20	16.40	16.24	16.24	16.25	16.28				
15	16QAM	36	39	16.37	16.11	16.15	16.31	16.26				
15	16QAM	75	0	16.42	16.17	16.18	16.21	16.26				
15	64QAM	1	0	16.34	16.20	16.44	16.08	16.37				
15	64QAM	1	37	16.55	16.29	16.35	16.46	16.31	17	2		
15	64QAM	1	74	16.70	16.25	16.15	16.18	16.15				
15	64QAM	36	0	15.36	15.18	15.20	15.15	15.18				
15	64QAM	36	20	15.45	15.12	15.24	15.35	15.26				
15	64QAM	36	39	15.41	15.11	15.12	15.29	15.24				
15	64QAM	75	0	15.33	15.09	15.20	15.24	15.25	16	3		
Channel				39700	40160	40620	41080	41540				
Frequency (MHz)				2501	2547	2593	2639	2685				
10	QPSK	1	0	18.13	17.89	17.84	17.88	17.98			19	0
10	QPSK	1	25	18.09	17.87	17.90	17.95	17.86				
10	QPSK	1	49	18.01	17.90	17.94	18.04	17.92				
10	QPSK	25	0	17.27	17.16	17.06	17.11	17.19				
10	QPSK	25	12	17.34	17.20	17.20	17.27	17.23				
10	QPSK	25	25	17.28	17.08	17.09	17.21	17.14	18	1		
10	QPSK	50	0	17.37	17.16	17.12	17.17	17.25				
10	16QAM	1	0	17.50	17.22	17.22	17.31	17.35				
10	16QAM	1	25	17.75	17.61	17.49	17.54	17.53				
10	16QAM	1	49	17.40	17.38	17.29	17.37	17.27				
10	16QAM	25	0	16.37	16.18	16.15	16.24	16.24	17	2		
10	16QAM	25	12	16.42	16.17	16.25	16.26	16.25				
10	16QAM	25	25	16.35	16.09	16.20	16.24	16.18				
10	16QAM	50	0	16.40	16.15	16.16	16.28	16.25				
10	64QAM	1	0	16.30	16.17	16.46	16.11	16.30				
10	64QAM	1	25	16.59	16.37	16.43	16.36	16.33	17	2		
10	64QAM	1	49	16.68	16.27	16.13	16.25	16.09				
10	64QAM	25	0	15.39	15.14	15.15	15.21	15.23				
10	64QAM	25	12	15.46	15.16	15.16	15.32	15.29				
10	64QAM	25	25	15.33	15.14	15.19	15.26	15.14				
10	64QAM	50	0	15.33	15.11	15.18	15.18	15.25	16	3		
Channel				39675	40148	40620	41093	41565				
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5				
5	QPSK	1	0	18.07	17.92	17.85	17.92	18.03			19	0
5	QPSK	1	12	18.10	17.78	17.87	17.96	17.91				
5	QPSK	1	24	18.03	17.91	17.92	18.10	17.93				
5	QPSK	12	0	17.31	17.16	17.13	17.13	17.21				
5	QPSK	12	7	17.34	17.15	17.16	17.26	17.30				
5	QPSK	12	13	17.32	17.09	17.13	17.21	17.23	18	1		
5	QPSK	25	0	17.38	17.16	17.11	17.22	17.17				
5	16QAM	1	0	17.40	17.20	17.29	17.25	17.30				
5	16QAM	1	12	17.69	17.60	17.55	17.56	17.49				
5	16QAM	1	24	17.45	17.21	17.24	17.41	17.24				
5	16QAM	12	0	16.36	16.19	16.22	16.31	16.25	17	2		
5	16QAM	12	7	16.42	16.22	16.21	16.33	16.33				
5	16QAM	12	13	16.42	16.09	16.18	16.33	16.20				
5	16QAM	25	0	16.35	16.11	16.16	16.24	16.26				
5	64QAM	1	0	16.34	16.17	16.43	16.10	16.32				
5	64QAM	1	12	16.53	16.31	16.37	16.39	16.37	17	2		
5	64QAM	1	24	16.67	16.20	16.14	16.17	16.13				
5	64QAM	12	0	15.35	15.16	15.09	15.18	15.22				
5	64QAM	12	7	15.48	15.21	15.13	15.35	15.19				
5	64QAM	12	13	15.34	15.19	15.23	15.35	15.19				
5	64QAM	25	0	15.42	15.10	15.21	15.26	15.27	16	3		



Reduced Power Mode for WWAN for Hotspot On

GSM850_Ant 1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	29.29	29.27	29.22	30.00	20.29	20.27	20.22	21.00
GPRS 1 Tx slot	29.33	29.27	29.22	30.00	20.33	20.27	20.22	21.00
GPRS 2 Tx slots	28.69	28.64	28.65	29.50	22.69	22.64	22.65	23.50
GPRS 3 Tx slots	28.71	28.65	28.61	27.50	22.45	22.39	22.35	23.24
GPRS 4 Tx slots	25.74	25.65	25.62	26.50	22.74	22.65	22.62	23.50
EDGE 1 Tx slot	23.86	23.57	23.34	24.50	14.86	14.57	14.34	15.50
EDGE 2 Tx slots	22.62	22.48	22.34	23.50	16.62	16.48	16.34	17.50
EDGE 3 Tx slots	20.70	20.46	20.34	21.50	16.44	16.20	16.08	17.24
EDGE 4 Tx slots	19.64	19.48	19.37	20.50	16.64	16.48	16.37	17.50

GSM1900_Ant 1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	20.75	20.42	20.23	22.00	11.75	11.42	11.23	13.00
GPRS 1 Tx slot	20.76	20.48	20.29	22.00	11.76	11.48	11.29	13.00
GPRS 2 Tx slots	20.10	19.78	19.51	21.50	14.10	13.78	13.51	15.50
GPRS 3 Tx slots	18.32	18.08	18.09	20.00	14.06	13.82	13.83	15.74
GPRS 4 Tx slots	17.43	17.21	17.03	19.00	14.43	14.21	14.03	16.00
EDGE 1 Tx slot	16.96	16.95	17.08	18.50	7.96	7.95	8.08	9.50
EDGE 2 Tx slots	15.99	16.01	16.18	17.50	9.99	10.01	10.18	11.50
EDGE 3 Tx slots	14.08	14.21	14.29	16.00	9.82	9.95	10.03	11.74
EDGE 4 Tx slots	13.24	13.06	13.36	15.00	10.24	10.06	10.36	12.00

Band	TX Channel	WCDMA II_Ant 1			Tune-up Limit (dBm)	WCDMA IV_Ant 1			Tune-up Limit (dBm)	WCDMA V_Ant 1			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	16.08	15.82	15.58	17.00	17.08	17.10	17.01	18.00	20.15	20.28	20.32	21.50
3GPP Rel 99	AMR 12.2Kbps	16.09	15.85	15.62	17.00	17.09	17.13	17.04	18.00	20.19	20.29	20.44	21.50
3GPP Rel 6	HSDPA Subtest-1	15.24	14.93	14.80	16.00	16.14	16.13	16.04	17.00	19.18	19.19	19.34	20.50
3GPP Rel 6	HSDPA Subtest-2	15.11	14.83	14.66	16.00	16.07	16.09	15.99	17.00	19.24	19.21	19.23	20.50
3GPP Rel 6	HSDPA Subtest-3	14.57	14.32	14.13	15.50	15.68	15.43	15.49	16.50	18.75	18.74	18.78	20.00
3GPP Rel 6	HSDPA Subtest-4	14.58	14.34	14.07	15.50	15.63	15.56	15.43	16.50	18.74	18.68	18.76	20.00
3GPP Rel 8	DC-HSDPA Subtest-1	15.25	14.93	14.81	16.00	16.04	15.98	15.99	17.00	19.13	19.08	19.27	20.50
3GPP Rel 8	DC-HSDPA Subtest-2	15.10	14.94	14.65	16.00	15.93	16.01	15.84	17.00	19.19	19.14	19.14	20.50
3GPP Rel 8	DC-HSDPA Subtest-3	14.62	14.38	14.15	15.50	15.56	15.27	15.34	16.50	18.60	18.68	18.67	20.00
3GPP Rel 8	DC-HSDPA Subtest-4	14.62	14.33	14.11	15.50	15.52	15.46	15.27	16.50	18.61	18.52	18.62	20.00
3GPP Rel 6	HSUPA Subtest-1	13.17	13.02	13.03	15.00	14.20	14.25	14.56	16.00	17.41	17.42	17.49	19.50
3GPP Rel 6	HSUPA Subtest-2	13.22	13.03	12.74	14.00	14.13	14.08	14.11	15.00	17.21	17.26	17.33	18.50
3GPP Rel 6	HSUPA Subtest-3	14.22	14.05	13.78	15.00	15.07	15.07	15.01	16.00	18.18	18.29	18.40	19.50
3GPP Rel 6	HSUPA Subtest-4	12.78	12.61	12.40	14.00	13.05	13.19	13.49	15.00	16.60	16.81	16.94	18.50
3GPP Rel 6	HSUPA Subtest-5	14.08	14.02	14.08	16.00	15.54	15.08	15.04	17.00	18.64	18.42	18.52	20.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	13.40	13.20	13.50	13.50	14.10	14.40	14.50	14.50	17.40	17.20	17.50	18.00



GSM850_Ant 2	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	30.44	30.24	30.08	31.00	21.44	21.24	21.08	22.00
GPRS 1 Tx slot	30.46	30.26	30.08	31.00	21.46	21.26	21.08	22.00
GPRS 2 Tx slots	29.50	29.29	29.14	30.00	23.50	23.29	23.14	24.00
GPRS 3 Tx slots	27.58	27.33	27.18	28.00	23.32	23.07	22.92	23.74
GPRS 4 Tx slots	26.49	26.26	26.08	27.00	23.49	23.26	23.08	24.00
EDGE 1 Tx slot	25.21	24.78	24.51	25.50	16.21	15.78	15.51	16.50
EDGE 2 Tx slots	24.09	23.78	23.61	24.50	18.09	17.78	17.61	18.50
EDGE 3 Tx slots	22.09	21.86	21.51	22.50	17.83	17.60	17.25	18.24
EDGE 4 Tx slots	21.03	20.63	20.36	21.50	18.03	17.63	17.36	18.50

GSM1900_Ant 2	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	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	19.78	19.19	19.40	21.00	10.78	10.19	10.40	12.00
GPRS 1 Tx slot	19.78	19.18	19.04	21.00	10.78	10.18	10.04	12.00
GPRS 2 Tx slots	19.90	19.27	19.03	20.00	13.90	13.27	13.03	14.00
GPRS 3 Tx slots	17.97	17.30	17.08	18.50	13.71	13.04	12.82	14.24
GPRS 4 Tx slots	16.92	16.24	16.00	17.50	13.92	13.24	13.00	14.50
EDGE 1 Tx slot	17.11	17.12	17.26	17.50	8.11	8.12	8.26	8.50
EDGE 2 Tx slots	16.12	16.18	16.37	17.00	10.12	10.18	10.37	11.00
EDGE 3 Tx slots	14.14	14.23	14.23	15.00	9.88	9.97	9.97	10.74
EDGE 4 Tx slots	13.01	13.09	13.20	14.50	10.01	10.09	10.20	11.50

Band	WCDMA U_Ant 2			Tune-up Limit (dBm)	WCDMA V_Ant 2			Tune-up Limit (dBm)	
	TX Channel	9262	9400		9538	4132	4182		4233
Rx Channel	9662	9800	9938		4357	4407	4458		
Frequency (MHz)	1852.4	1880	1907.6		826.4	836.4	846.6		
3GPP Rel 99	AMR 12.2Kbps	14.45	14.20	13.87	15.50	21.16	21.16	21.34	22.00
3GPP Rel 99	RM-C 12.2Kbps	14.54	14.26	13.89	15.50	21.17	21.18	21.36	22.00
3GPP Rel 6	HSDPA Subtest-1	13.37	13.24	13.12	14.50	19.98	20.04	20.17	21.00
3GPP Rel 6	HSDPA Subtest-2	13.35	13.11	13.09	14.50	20.01	20.00	19.72	21.00
3GPP Rel 6	HSDPA Subtest-3	12.81	12.64	12.56	14.00	19.56	19.58	19.59	20.50
3GPP Rel 6	HSDPA Subtest-4	12.65	12.66	12.57	14.00	19.53	19.52	19.55	20.50
3GPP Rel 8	DC-HSDPA Subtest-1	13.40	13.18	13.05	14.50	19.97	19.94	20.14	21.00
3GPP Rel 8	DC-HSDPA Subtest-2	13.33	13.17	13.06	14.50	20.03	19.97	20.18	21.00
3GPP Rel 8	DC-HSDPA Subtest-3	12.86	12.66	12.56	14.00	19.48	19.42	19.61	20.50
3GPP Rel 8	DC-HSDPA Subtest-4	12.83	12.59	12.55	14.00	19.44	19.51	19.64	20.50
3GPP Rel 6	HSUPA Subtest-1	11.62	11.61	11.58	13.50	18.08	18.14	18.24	20.00
3GPP Rel 6	HSUPA Subtest-2	11.44	10.95	10.88	12.50	18.11	18.06	18.24	19.00
3GPP Rel 6	HSUPA Subtest-3	12.40	12.09	11.79	13.50	19.08	19.18	19.24	20.00
3GPP Rel 6	HSUPA Subtest-4	10.92	10.68	10.64	12.50	17.70	17.63	17.77	19.00
3GPP Rel 6	HSUPA Subtest-5	12.88	12.76	12.61	14.50	19.54	19.54	19.05	21.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	11.00	10.60	10.30	12.00	17.70	17.80	17.80	18.50



Band 2_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 18700	Power Middle Ch. / Freq. 18900	Power High Ch. / Freq. 19100	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	15.60	15.60	15.60				
20	QPSK	1	49	16.64	16.50	16.27	17.5	0		
20	QPSK	1	99	16.21	16.00	15.95				
20	QPSK	50	0	15.64	15.48	15.28				
20	QPSK	50	24	15.65	15.46	15.22	16.5	1		
20	QPSK	50	50	15.55	15.22	15.04				
20	QPSK	100	0	15.62	15.34	15.14				
20	16QAM	1	0	15.79	15.68	15.52				
20	16QAM	1	49	16.04	15.78	15.59	16.5	1		
20	16QAM	1	99	15.56	15.32	15.30				
20	16QAM	50	0	14.25	14.45	14.25				
20	16QAM	50	24	14.58	14.44	14.22	15.5	2		
20	16QAM	50	50	14.55	14.18	14.05				
20	16QAM	100	0	14.58	14.32	14.11				
20	64QAM	1	0	14.66	14.53	14.28				
20	64QAM	1	49	14.81	14.65	14.43	15.5	2		
20	64QAM	1	99	14.41	14.15	14.17				
20	64QAM	50	0	13.61	13.45	13.24				
20	64QAM	50	24	13.56	13.40	13.19	14.5	3		
20	64QAM	50	50	13.52	13.17	13.05				
20	64QAM	100	0	13.56	13.33	13.14				
Channel										
Frequency (MHz)										
15	QPSK	1	0	16.54	16.38	16.09				
15	QPSK	1	37	16.41	16.61	16.32	17.5	0		
15	QPSK	1	74	16.35	16.14	16.05				
15	QPSK	36	0	15.66	15.47	15.26				
15	QPSK	36	20	15.59	15.44	15.20	16.5	1		
15	QPSK	36	39	15.53	15.33	15.11				
15	QPSK	75	0	15.59	15.40	15.20				
15	16QAM	1	0	15.85	15.68	15.44				
15	16QAM	1	37	15.79	15.61	15.50	16.5	1		
15	16QAM	1	74	15.69	15.55	15.44				
15	16QAM	36	0	14.63	14.44	14.20				
15	16QAM	36	20	14.55	14.39	14.17	15.5	2		
15	16QAM	36	39	14.49	14.29	14.10				
15	16QAM	75	0	14.55	14.36	14.18				
15	64QAM	1	0	14.90	14.57	14.31				
15	64QAM	1	37	14.82	14.76	14.68	15.5	2		
15	64QAM	1	74	14.53	14.30	14.20				
15	64QAM	36	0	13.60	13.43	13.25				
15	64QAM	36	20	13.55	13.38	13.16	14.5	3		
15	64QAM	36	39	13.49	13.26	13.08				
15	64QAM	75	0	13.51	13.34	13.16				
Channel										
Frequency (MHz)										
10	QPSK	1	0	16.59	16.37	16.15				
10	QPSK	1	25	16.59	16.50	16.27	17.5	0		
10	QPSK	1	49	16.44	16.27	16.17				
10	QPSK	25	0	15.67	15.51	15.25				
10	QPSK	25	12	15.60	15.49	15.22	16.5	1		
10	QPSK	25	25	15.56	15.37	15.15				
10	QPSK	50	0	15.59	15.42	15.21				
10	16QAM	1	0	15.85	15.68	15.49				
10	16QAM	1	25	15.95	15.83	15.61	16.5	1		
10	16QAM	1	49	15.81	15.60	15.53				
10	16QAM	25	0	14.66	14.50	14.22				
10	16QAM	25	12	14.59	14.47	14.20	15.5	2		
10	16QAM	25	25	14.55	14.37	14.15				
10	16QAM	50	0	14.59	14.42	14.19				
10	64QAM	1	0	14.77	14.54	14.29				
10	64QAM	1	25	14.83	14.62	14.45	15.5	2		
10	64QAM	1	49	14.58	14.43	14.36				
10	64QAM	25	0	13.52	13.40	13.24				
10	64QAM	25	12	13.58	13.43	13.20	14.5	3		
10	64QAM	25	25	13.52	13.33	13.15				
10	64QAM	50	0	13.56	13.39	13.17				
Channel										
Frequency (MHz)										
5	QPSK	1	0	16.49	16.28	16.06				
5	QPSK	1	12	16.40	16.53	16.34	17.5	0		
5	QPSK	1	24	16.36	16.22	16.07				
5	QPSK	12	0	15.60	15.45	15.21				
5	QPSK	12	7	15.63	15.46	15.23	16.5	1		
5	QPSK	12	13	15.25	15.39	15.19				
5	QPSK	25	0	15.52	15.39	15.19				
5	16QAM	1	0	15.77	15.66	15.43				
5	16QAM	1	12	16.01	15.84	15.66	16.5	1		
5	16QAM	1	24	15.68	15.52	15.42				
5	16QAM	12	0	14.60	14.42	14.18				
5	16QAM	12	7	14.59	14.42	14.23	15.5	2		
5	16QAM	12	13	14.51	14.29	14.15				
5	16QAM	25	0	14.54	14.40	14.18				
5	64QAM	1	0	14.66	14.45	14.21				
5	64QAM	1	12	14.52	14.30	14.20	15.5	2		
5	64QAM	1	24	14.59	14.38	14.30				
5	64QAM	12	0	13.56	13.40	13.19				
5	64QAM	12	7	13.59	13.43	13.23	14.5	3		
5	64QAM	12	13	13.53	13.32	13.16				
5	64QAM	25	0	13.52	13.32	13.16				
Channel										
Frequency (MHz)										
3	QPSK	1	0	16.58	16.38	16.18				
3	QPSK	1	8	16.52	16.38	16.20	17.5	0		
3	QPSK	1	14	16.51	16.34	16.21				
3	QPSK	8	0	15.62	15.41	15.23				
3	QPSK	8	4	15.64	15.45	15.28	16.5	1		
3	QPSK	8	7	15.57	15.40	15.22				
3	QPSK	15	0	15.58	15.41	15.22				
3	16QAM	1	0	15.88	15.75	15.52				
3	16QAM	1	8	15.84	15.70	15.54	16.5	1		
3	16QAM	1	14	15.81	15.67	15.55				
3	16QAM	8	0	14.66	14.46	14.26				
3	16QAM	8	4	14.67	14.47	14.31				
3	16QAM	8	7	14.61	14.45	14.28	15.5	2		
3	16QAM	15	0	14.60	14.41	14.23				
3	64QAM	1	0	14.55	14.35	14.38				
3	64QAM	1	8	14.71	14.55	14.40	15.5	2		
3	64QAM	1	14	14.71	14.52	14.42				
3	64QAM	8	0	13.61	13.44	13.24				
3	64QAM	8	4	13.63	13.45	13.28	14.5	3		
3	64QAM	8	7	13.55	13.39	13.24				
3	64QAM	15	0	13.54	13.37	13.19				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	16.50	16.30	16.13				
1.4	QPSK	1	3	16.45	16.46	16.29				
1.4	QPSK	1	5	16.51	16.31	16.18	17.5	0		
1.4	QPSK	3	0	15.62	15.44	15.25				
1.4	QPSK	3	1	16.45	16.49	16.29				
1.4	QPSK	3	1	16.61	16.43	16.25				
1.4	QPSK	6	0	15.61	15.43	15.24	16.5	1		
1.4	16QAM	1	0	15.82	15.65	15.49				
1.4	16QAM	1	3	15.95	15.74	15.64				
1.4	16QAM	1	5	15.79	15.63	15.50	16.5	1		
1.4	16QAM	3	0	15.65	15.44	15.27				
1.4	16QAM	3	1	15.69	15.50	15.32				
1.4	16QAM	3	1	15.81	15.65	15.29				
1.4	16QAM	6	0	14.69	14.50	14.33	15.5	2		
1.4	64QAM	1	0	14.70	14.51	14.35				
1.4	64QAM	1	3	14.77	14.62	14.44				
1.4	64QAM	1	5	14.68	14.49	14.33	15.5	2		
1.4	64QAM	3	0	14.73	14.53	14.33				
1.4	64QAM	3	1	14.81	14.55	14.40				
1.4	64QAM	3	3	14.71	14.55	14.36				
1.4	64QAM	6	0	13.58	13.37	13.22	14.5	3		

Band 4_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 20050	Power Middle Ch. / Freq. 20175	Power High Ch. / Freq. 20300	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	16.70	16.39	16.24				
20	QPSK	1	49	16.88	16.81	16.77	18	0		
20	QPSK	1	99	16.49	16.39	16.32				
20	QPSK	50	0	15.79	15.81	15.70				
20	QPSK	50	24	15.82	15.80	15.71	17	1		
20	QPSK	50	50	15.71	15.70	15.60				
20	QPSK	100	0	15.78	15.76	15.66				
20	16QAM	1	0	16.02	16.08	16.05				
20	16QAM	1	49	16.24	16.20	16.17	17	1		
20	16QAM	1	99	15.87	15.78	15.72				
20	16QAM	50	0	14.80	14.85	14.90				
20	16QAM	50	24	14.84	14.77	14.71	16	2		
20	16QAM	50	50	14.75	14.69	14.61				
20	16QAM	100	0	14.80	14.76	14.67				
20	64QAM	1	0	14.85	14.92	14.81				
20	64QAM	1	49	15.06	15.02	14.93	16	2		
20	64QAM	1	99	14.75	14.64	14.50				
20	64QAM	50	0	13.78	13.80					



Band 7_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 20850	Power Middle Ch. / Freq. 21100	Power High Ch. / Freq. 21350	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	16.86	16.75	16.77	18	0		
20	QPSK	1	49	16.79	16.75	16.77				
20	QPSK	1	99	16.82	16.79	16.78				
20	QPSK	50	0	15.77	15.77	15.77	17	1		
20	QPSK	50	24	15.81	15.85	15.85				
20	QPSK	50	50	15.85	15.84	15.81				
20	QPSK	100	0	15.85	15.77	15.80	17	1		
20	16QAM	1	0	16.11	16.01	16.02				
20	16QAM	1	49	16.14	16.11	16.10				
20	16QAM	1	99	16.27	16.28	16.33	16	2		
20	16QAM	50	0	14.82	14.79	14.78				
20	16QAM	50	24	14.84	14.85	14.88				
20	16QAM	50	50	14.87	14.88	14.94	16	2		
20	16QAM	100	0	14.81	14.91	14.93				
20	64QAM	1	0	15.03	14.84	14.88				
20	64QAM	1	49	15.04	14.88	15.01	16	2		
20	64QAM	1	99	15.15	15.14	15.23				
20	64QAM	50	0	13.79	13.79	13.77				
20	64QAM	50	24	13.81	13.83	13.84	15	3		
20	64QAM	50	50	13.88	13.86	13.92				
20	64QAM	100	0	13.78	13.84	13.83				
Channel										
Frequency (MHz)										
15	QPSK	1	0	16.84	16.72	16.75	18	0		
15	QPSK	1	37	16.82	16.95	16.95				
15	QPSK	1	74	16.75	16.76	16.91				
15	QPSK	36	0	15.89	15.86	15.96	17	1		
15	QPSK	36	20	15.89	15.85	15.97				
15	QPSK	36	39	15.93	15.85	15.96				
15	QPSK	75	0	15.88	15.85	15.95	17	1		
15	16QAM	1	0	16.21	16.04	16.05				
15	16QAM	1	37	16.38	16.29	16.42				
15	16QAM	1	74	16.11	16.08	16.22	16	2		
15	16QAM	36	0	14.91	14.85	14.95				
15	16QAM	36	20	14.90	14.84	14.97				
15	16QAM	36	39	14.92	14.85	14.95	16	2		
15	16QAM	75	0	14.88	14.88	14.99				
15	64QAM	1	0	15.06	14.95	14.97				
15	64QAM	1	37	15.23	15.26	15.24	16	2		
15	64QAM	1	74	14.98	14.97	15.15				
15	64QAM	36	0	13.89	13.87	13.94				
15	64QAM	36	20	13.88	13.84	13.97	15	3		
15	64QAM	36	39	13.92	13.84	13.97				
15	64QAM	75	0	13.88	13.84	13.97				
Channel										
Frequency (MHz)										
10	QPSK	1	0	16.88	16.75	16.86	18	0		
10	QPSK	1	25	16.79	16.93	16.88				
10	QPSK	1	49	16.80	16.76	16.91				
10	QPSK	25	0	15.94	15.92	16.03	17	1		
10	QPSK	25	12	15.94	15.87	16.01				
10	QPSK	25	25	15.97	15.87	15.98				
10	QPSK	50	0	15.94	15.90	16.02	17	1		
10	16QAM	1	0	16.23	16.13	16.22				
10	16QAM	1	25	16.30	16.25	16.39				
10	16QAM	1	49	16.15	16.17	16.22	16	2		
10	16QAM	25	0	14.96	14.94	15.06				
10	16QAM	25	12	14.97	14.90	15.03				
10	16QAM	25	25	14.97	14.89	15.02	16	2		
10	16QAM	50	0	14.96	14.90	15.06				
10	64QAM	1	0	15.11	14.95	15.06				
10	64QAM	1	25	15.20	15.13	15.28	16	2		
10	64QAM	1	49	15.01	14.98	15.14				
10	64QAM	25	0	13.95	13.92	14.04				
10	64QAM	25	12	13.96	13.86	14.03	15	3		
10	64QAM	25	25	13.94	13.88	13.97				
10	64QAM	50	0	13.91	13.88	14.01				
Channel										
Frequency (MHz)										
5	QPSK	1	0	16.81	16.70	16.84	18	0		
5	QPSK	1	12	16.83	16.79	16.93				
5	QPSK	1	24	16.76	16.69	16.85				
5	QPSK	12	0	15.92	15.82	15.97	17	1		
5	QPSK	12	7	15.94	15.86	15.99				
5	QPSK	12	13	15.92	15.82	15.97				
5	QPSK	25	0	15.90	15.82	15.95	17	1		
5	16QAM	1	0	16.21	16.05	16.21				
5	16QAM	1	12	16.41	16.26	16.50				
5	16QAM	1	24	16.05	16.06	16.24	16	2		
5	16QAM	12	0	14.92	14.83	14.99				
5	16QAM	12	7	14.97	14.87	15.01				
5	16QAM	12	13	14.94	14.85	14.95	16	2		
5	16QAM	25	0	14.92	14.85	15.00				
5	64QAM	1	0	15.05	14.91	15.04				
5	64QAM	1	12	15.18	15.18	15.33	16	2		
5	64QAM	1	24	14.96	14.93	15.06				
5	64QAM	12	0	13.95	13.85	14.01				
5	64QAM	12	7	13.98	13.88	14.01	15	3		
5	64QAM	12	13	13.93	13.86	13.97				
5	64QAM	25	0	13.90	13.82	13.96				

Band 13_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 23200	Power Middle Ch. / Freq. 23300	Power High Ch. / Freq. 23400	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	21.81	21.84	21.87	23	0		
10	QPSK	1	25	21.84	21.84	21.84				
10	QPSK	1	49	21.88	21.88	21.88				
10	QPSK	25	0	20.67	20.67	20.67	22	1		
10	QPSK	25	12	20.68	20.68	20.68				
10	QPSK	25	25	20.64	20.64	20.64				
10	QPSK	50	0	20.67	20.67	20.67	22	1		
10	16QAM	1	0	20.92	20.92	20.92				
10	16QAM	1	25	21.05	21.05	21.05				
10	16QAM	1	49	20.91	20.91	20.91	21	2		
10	16QAM	25	0	19.89	19.89	19.89				
10	16QAM	25	12	19.70	19.70	19.70				
10	16QAM	25	25	19.68	19.68	19.68	21	2		
10	16QAM	50	0	19.70	19.70	19.70				
10	64QAM	1	0	19.76	19.76	19.76				
10	64QAM	1	25	19.90	19.90	19.90	21	2		
10	64QAM	1	49	19.75	19.75	19.75				
10	64QAM	25	0	18.69	18.69	18.69				
10	64QAM	25	12	18.71	18.71	18.71	20	3		
10	64QAM	25	25	18.66	18.66	18.66				
10	64QAM	50	0	18.68	18.68	18.68				
Channel										
Frequency (MHz)										
5	QPSK	1	0	21.41	21.51	21.42	23	0		
5	QPSK	1	12	21.82	21.84	21.87				
5	QPSK	1	24	21.51	21.64	21.44				
5	QPSK	12	0	20.59	20.58	20.55	22	1		
5	QPSK	12	7	20.54	20.62	20.62				
5	QPSK	12	13	20.48	20.55	20.55				
5	QPSK	25	0	20.53	20.52	20.57	22	1		
5	16QAM	1	0	20.83	20.87	20.82				
5	16QAM	1	12	20.99	20.99	20.96				
5	16QAM	1	24	20.80	20.81	20.80	21	2		
5	16QAM	12	0	19.55	19.60	19.60				
5	16QAM	12	7	19.61	19.65	19.64				
5	16QAM	12	13	19.56	19.62	19.59	21	2		
5	16QAM	25	0	19.60	19.63	19.58				
5	64QAM	1	0	19.67	19.66	19.65				
5	64QAM	1	12	19.75	19.83	19.79	21	2		
5	64QAM	1	24	19.63	19.59	19.66				
5	64QAM	12	0	18.61	18.56	18.64				
5	64QAM	12	7	18.63	18.56	18.57	20	3		
5	64QAM	12	13	18.51	18.54	18.53				
5	64QAM	25	0	18.83	18.82	18.87				

Band 25_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 26140	Power Middle Ch. / Freq. 26340	Power High Ch. / Freq. 26590	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	16.47	16.50	16.17	17.5	0		
20	QPSK	1	49	16.46	16.50	16.03				
20	QPSK	1	99	16.24	16.05	16.11				
20	QPSK	50	0	15.47	15.50	15.27	16.5	1		
20	QPSK	50	24	15.52	15.57	15.28				



Band 26_Ant 1 (FCC)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. 26765	Power Middle Ch./Freq. 26865	Power High Ch./Freq. 26965	Tune-up limit (dBm)	MPR (dB)		
Channel				26765	26865	26965				
Frequency (MHz)				821.5	831.5	841.5				
15	QPSK	1	0	20.54	20.67	20.80	22	0		
15	QPSK	1	37	20.45	20.65	20.51				
15	QPSK	1	74	20.49	20.52	20.59				
15	QPSK	36	0	19.62	19.59	19.68	21	1		
15	QPSK	36	20	19.68	19.75	19.73				
15	QPSK	36	39	19.64	19.64	19.71				
15	QPSK	75	0	19.52	19.60	19.58	21	1		
15	16QAM	1	0	19.86	19.82	19.83				
15	16QAM	1	37	19.99	20.07	20.17				
15	16QAM	1	74	19.81	19.92	19.96	20	2		
15	16QAM	36	0	18.59	18.55	18.57				
15	16QAM	36	20	18.66	18.62	18.72				
15	16QAM	36	39	18.60	18.61	18.72	20	2		
15	16QAM	75	0	18.64	18.60	18.70				
15	16QAM	1	0	18.94	18.66	18.72				
15	64QAM	1	37	18.96	18.93	19.20	19	3		
15	64QAM	1	74	18.70	18.69	18.89				
15	64QAM	36	0	17.55	17.58	17.67				
15	64QAM	36	20	17.64	17.63	17.75	21	1		
15	64QAM	36	39	17.81	17.63	17.71				
15	64QAM	75	0	17.58	17.53	17.65				
Channel				26740	26865	26990				
Frequency (MHz)				819	831.5	844				
10	QPSK	1	0	20.43	20.35	20.45	22	0		
10	QPSK	1	25	20.59	20.60	20.68				
10	QPSK	1	49	20.37	20.47	20.60				
10	QPSK	25	0	19.46	19.54	19.52	21	1		
10	QPSK	25	12	19.53	19.49	19.61				
10	QPSK	25	25	19.56	19.49	19.58				
10	QPSK	50	0	19.52	19.55	19.53	21	1		
10	16QAM	1	0	19.78	19.69	19.72				
10	16QAM	1	25	19.93	19.95	20.08				
10	16QAM	1	49	19.68	19.82	19.83	20	2		
10	16QAM	25	0	18.45	18.51	18.51				
10	16QAM	25	12	18.58	18.54	18.58				
10	16QAM	25	25	18.44	18.55	18.58	20	2		
10	16QAM	50	0	18.59	18.53	18.54				
10	64QAM	1	0	18.82	18.61	18.63				
10	64QAM	1	25	18.91	18.87	19.15	19	3		
10	64QAM	1	49	18.60	18.59	18.77				
10	64QAM	25	0	17.49	17.47	17.57				
10	64QAM	25	12	17.58	17.53	17.68	20	2		
10	64QAM	25	25	17.50	17.48	17.59				
10	64QAM	50	0	17.49	17.51	17.57				
Channel				26715	26865	27015				
Frequency (MHz)				816.5	831.5	846.5				
5	QPSK	1	0	20.42	20.36	20.45	22	0		
5	QPSK	1	12	20.59	20.59	20.65				
5	QPSK	1	24	20.38	20.41	20.59				
5	QPSK	12	0	19.46	19.46	19.56	21	1		
5	QPSK	12	7	19.53	19.58	19.61				
5	QPSK	12	13	19.49	19.52	19.68				
5	QPSK	25	0	19.48	19.52	19.63	21	1		
5	16QAM	1	0	19.78	19.72	19.78				
5	16QAM	1	12	19.88	19.96	20.04				
5	16QAM	1	24	19.76	19.86	19.91	20	2		
5	16QAM	12	0	18.48	18.43	18.53				
5	16QAM	12	7	18.55	18.54	18.56				
5	16QAM	12	13	18.55	18.47	18.66	19	3		
5	16QAM	25	0	18.53	18.49	18.62				
5	64QAM	1	0	18.80	18.60	18.61				
5	64QAM	1	12	18.80	18.87	19.07	20	2		
5	64QAM	1	24	18.57	18.57	18.73				
5	64QAM	12	0	17.43	17.51	17.61				
5	64QAM	12	7	17.55	17.51	17.64	19	3		
5	64QAM	12	13	17.47	17.51	17.63				
5	64QAM	25	0	17.43	17.48	17.50				
Channel				26705	26865	27025				
Frequency (MHz)				815.5	831.5	847.5				
3	QPSK	1	0	20.46	20.36	20.36	22	0		
3	QPSK	1	8	20.60	20.60	20.55				
3	QPSK	1	14	20.42	20.38	20.56				
3	QPSK	8	0	19.55	19.47	19.52	21	1		
3	QPSK	8	4	19.57	19.49	19.60				
3	QPSK	8	7	19.57	19.50	19.63				
3	QPSK	15	0	19.53	19.49	19.57	21	1		
3	16QAM	1	0	19.75	19.71	19.75				
3	16QAM	1	8	19.93	19.99	20.09				
3	16QAM	1	14	19.65	19.76	19.83	20	2		
3	16QAM	8	0	18.53	18.47	18.57				
3	16QAM	8	4	18.58	18.53	18.56				
3	16QAM	8	7	18.53	18.55	18.65	20	2		
3	16QAM	15	0	18.53	18.55	18.58				
3	64QAM	1	0	18.81	18.51	18.62				
3	64QAM	1	8	19.91	19.82	19.10	19	3		
3	64QAM	1	14	18.84	18.56	18.84				
3	64QAM	8	0	17.40	17.43	17.54				
3	64QAM	8	4	17.49	17.49	17.64	20	2		
3	64QAM	8	7	17.52	17.48	17.66				
3	64QAM	15	0	17.45	17.50	17.50				
Channel				26697	26865	27033				
Frequency (MHz)				814.7	831.5	848.3				
1.4	QPSK	1	0	20.45	20.31	20.45	22	0		
1.4	QPSK	1	3	20.59	20.61	20.55				
1.4	QPSK	1	5	20.33	20.36	20.54				
1.4	QPSK	3	0	20.36	20.18	20.29	21	1		
1.4	QPSK	3	1	20.48	20.51	20.40				
1.4	QPSK	3	3	20.20	20.24	20.46				
1.4	QPSK	6	0	19.56	19.47	19.56	21	1		
1.4	16QAM	1	0	19.73	19.75	19.73				
1.4	16QAM	1	3	19.92	19.94	20.09				
1.4	16QAM	1	5	19.66	19.85	19.84	21	1		
1.4	16QAM	3	0	19.67	19.61	19.67				
1.4	16QAM	3	1	19.87	19.88	19.94				
1.4	16QAM	3	3	19.58	19.71	19.71	20	2		
1.4	16QAM	6	0	18.54	18.50	18.55				
1.4	64QAM	1	0	18.86	18.53	18.58				
1.4	64QAM	1	3	18.80	18.83	18.05	20	2		
1.4	64QAM	1	5	18.54	18.53	18.74				
1.4	64QAM	3	0	18.75	18.38	18.47				
1.4	64QAM	3	1	18.65	18.74	18.95	19	3		
1.4	64QAM	3	3	18.45	18.47	18.59				
1.4	64QAM	6	0	17.53	17.44	17.52				

Band 66_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. 132072	Power Middle Ch./Freq. 132322	Power High Ch./Freq. 132572	Tune-up limit (dBm)	MPR (dB)		
Channel				132072	132322	132572				
Frequency (MHz)				1720	1745	1770				
20	QPSK	1	0	16.89	17.06	16.94	18	0		
20	QPSK	1	49	16.80	16.93	16.63				
20	QPSK	1	99	16.68	16.48	16.35				
20	QPSK	50	0	15.94	15.93	15.66	17	1		
20	QPSK	50	24	15.95	15.86	15.67				
20	QPSK	50	50	15.84	15.79	15.49				
20	QPSK	100	0	15.90	15.96	15.61	17	1		
20	16QAM	1	0	16.16	16.23	16.01				
20	16QAM	1	49	16.37	16.28	16.14				
20	16QAM	1	99	16.03	15.85	15.72	16	2		
20	16QAM	50	0	14.98	14.91	14.75				
20	16QAM	50	24	14.97	14.89	14.69				
20	16QAM	50	50	14.87	14.80	14.49	16	2		
20	16QAM	100	0	14.88	14.85	14.60				
20	64QAM	1	0	15.02	15.08	14.82				
20	64QAM	1	49	15.20	15.13	14.96	15	3		
20	64QAM	1	99	14.90	14.70	14.56				
20	64QAM	50	0	13.97	13.89	13.72				
20	64QAM	50	24	13.95	13.88	13.67	13	3		
20	64QAM	50	50	13.85	13.78	13.47				
20	64QAM	100	0	13.88	13.83	13.69				
Channel				132047	132322	132607				
Frequency (MHz)				1717.5	1745	1772.5				
15	QPSK	1	0	16.87	16.87	16.62	18	0		
15	QPSK	1	37	17.02	16.98	16.78				
15	QPSK	1	74	16.76	16.64	16.46				
15	QPSK	36	0	15.98	15.95	15.74	17	1		
15	QPSK	36	20	15.96	15.94	15.66				
15	QPSK	36	39	15.90	15.85	15.59				
15	QPSK	75	0	15.94	15.89	15.61	17	1		
15	16QAM	1	0	16.27	16.25	16.00				
15	16QAM	1	37	16.48	16.40	16.37				
15	16QAM	1	74	16.15	15.99	15.81	16	2		
15	16QAM	36	0	14.94	14.93	14.70				
15	16QAM	36	20	14.98	14.92	14.65				
15	16QAM	36	39	14.88	14.82	14.56	16	2		
15	16QAM	75	0	14.93	14.89	14.62				
15	64QAM	1	0	15.09	15.05	14.84				
15	64QAM	1	37	15.26	15.37	14.97	15	3		
15	64QAM	1	74	15.06	14.83	14.64				



Band 2_Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 18700	Power Middle Ch. / Freq. 18900	Power High Ch. / Freq. 19100	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	14.50	14.50	14.50				
20	QPSK	1	49	14.89	14.86	14.57	15.5	0		
20	QPSK	1	99	14.61	14.29	14.29				
20	QPSK	50	0	14.07	13.73	13.63				
20	QPSK	50	24	14.08	13.78	13.54	14.5	1		
20	QPSK	50	50	13.91	13.51	13.44				
20	QPSK	100	0	13.98	13.63	13.51				
20	16QAM	1	0	14.24	14.07	13.80				
20	16QAM	1	49	14.29	14.11	13.93	14.5	1		
20	16QAM	1	99	13.83	13.80	13.65				
20	16QAM	50	0	13.07	12.74	12.50				
20	16QAM	50	24	13.01	12.77	12.52	13.5	2		
20	16QAM	50	50	12.89	12.51	12.43				
20	16QAM	100	0	12.98	12.61	12.47				
20	16QAM	1	0	13.16	12.85	12.62				
20	16QAM	1	49	13.22	13.30	12.73	13.5	2		
20	16QAM	1	99	12.80	12.48	12.45				
20	16QAM	50	0	12.04	11.72	11.59				
20	16QAM	50	24	11.96	11.74	11.50	12.5	3		
20	16QAM	50	50	11.88	11.49	11.39				
20	16QAM	100	0	11.84	11.49	11.47				
Channel										
Frequency (MHz)										
15	QPSK	1	0	14.82	14.54	14.32				
15	QPSK	1	37	14.85	14.72	14.47	15.5	0		
15	QPSK	1	74	14.53	14.18	14.14				
15	QPSK	36	0	13.93	13.64	13.50				
15	QPSK	36	20	13.87	13.65	13.48	14.5	1		
15	QPSK	36	39	13.85	13.40	13.38				
15	QPSK	75	0	13.88	13.54	13.41				
15	16QAM	1	0	14.13	14.00	13.68				
15	16QAM	1	37	14.10	14.05	13.63	14.5	1		
15	16QAM	1	74	13.82	13.50	13.52				
15	16QAM	36	0	12.96	12.63	12.47				
15	16QAM	36	20	12.86	12.69	12.37	13.5	2		
15	16QAM	36	39	12.74	12.36	12.36				
15	16QAM	75	0	12.83	12.53	12.31				
15	16QAM	1	0	13.09	12.79	12.52				
15	16QAM	1	37	13.10	13.15	12.59	13.5	2		
15	16QAM	1	74	12.71	12.36	12.34				
15	16QAM	36	0	11.88	11.60	11.44	12.5	3		
15	16QAM	36	20	11.84	11.46	11.39				
15	16QAM	36	39	11.75	11.42	11.24				
15	16QAM	75	0	11.81	11.46	11.37				
Channel										
Frequency (MHz)										
10	QPSK	1	0	14.76	14.52	14.34				
10	QPSK	1	25	14.86	14.78	14.41	15.5	0		
10	QPSK	1	49	14.54	14.13	14.20				
10	QPSK	25	0	13.95	13.67	13.57				
10	QPSK	25	12	13.90	13.63	13.41	14.5	1		
10	QPSK	25	25	13.86	13.37	13.32				
10	QPSK	50	0	13.86	13.53	13.39				
10	16QAM	1	0	14.10	13.84	13.72				
10	16QAM	1	25	14.21	14.02	13.77	14.5	1		
10	16QAM	1	49	13.79	13.55	13.52				
10	16QAM	25	0	12.93	12.62	12.43				
10	16QAM	25	12	12.94	12.70	12.46	13.5	2		
10	16QAM	25	25	12.80	12.37	12.29				
10	16QAM	50	0	12.82	12.56	12.31				
10	16QAM	1	0	13.00	12.76	12.56				
10	16QAM	1	25	13.07	13.23	12.88	13.5	2		
10	16QAM	1	49	12.65	12.42	12.37				
10	16QAM	25	0	11.85	11.62	11.40	12.5	3		
10	16QAM	25	12	11.74	11.41	11.25				
10	16QAM	50	0	11.81	11.47	11.31				
Channel										
Frequency (MHz)										
5	QPSK	1	0	14.78	14.54	14.34				
5	QPSK	1	12	14.87	14.80	14.43	15.5	0		
5	QPSK	1	24	14.52	14.22	14.14				
5	QPSK	12	0	14.02	13.61	13.54				
5	QPSK	12	7	13.86	13.63	13.49	14.5	1		
5	QPSK	12	13	14.18	13.86	13.30				
5	QPSK	25	0	13.92	13.55	13.38				
5	16QAM	1	0	14.17	13.92	13.73				
5	16QAM	1	12	14.23	13.98	13.80	14.5	1		
5	16QAM	1	24	13.80	13.52	13.52				
5	16QAM	12	0	12.93	12.64	12.53				
5	16QAM	12	7	12.85	12.63	12.38	13.5	2		
5	16QAM	12	13	12.80	12.44	12.34				
5	16QAM	25	0	12.84	12.47	12.38				
5	16QAM	1	0	13.07	12.75	12.49	13.5	2		
5	16QAM	1	12	13.29	12.40	12.54				
5	16QAM	1	24	12.75	12.40	12.34	12.5	3		
5	16QAM	12	0	11.94	11.66	11.45				
5	16QAM	12	7	11.80	11.60	11.35				
5	16QAM	12	13	11.83	11.34	11.28	12.5	3		
5	16QAM	25	0	11.89	11.46	11.32				
Channel										
Frequency (MHz)										
3	QPSK	1	0	14.79	14.56	14.31				
3	QPSK	1	8	14.82	14.73	14.46	15.5	0		
3	QPSK	1	14	14.52	14.24	14.15				
3	QPSK	8	0	13.93	13.66	13.56				
3	QPSK	8	4	13.85	13.72	13.38	14.5	1		
3	QPSK	8	7	13.82	13.39	13.28				
3	QPSK	15	0	13.89	13.58	13.40				
3	16QAM	1	0	14.19	13.95	13.73				
3	16QAM	1	8	14.21	14.02	13.88	14.5	1		
3	16QAM	1	14	13.84	13.49	13.60				
3	16QAM	8	0	13.01	12.58	12.44				
3	16QAM	8	4	12.95	12.71	12.47	13.5	2		
3	16QAM	8	7	12.78	12.39	12.27				
3	16QAM	15	0	12.82	12.50	12.53				
3	16QAM	1	12	13.03	12.77	12.50	13.5	2		
3	16QAM	1	8	13.08	13.14	12.62				
3	16QAM	1	14	12.68	12.37	12.37				
3	16QAM	8	0	11.90	11.64	11.47	12.5	3		
3	16QAM	8	4	11.85	11.67	11.43				
3	16QAM	8	7	11.76	11.38	11.31				
3	16QAM	15	0	11.83	11.53	11.38				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	14.75	14.54	14.35				
1.4	QPSK	1	3	14.87	14.72	14.51				
1.4	QPSK	1	5	14.89	14.24	14.21	15.5	0		
1.4	QPSK	3	0	14.59	14.28	14.21				
1.4	QPSK	3	1	14.73	14.65	14.45				
1.4	QPSK	3	3	14.38	14.16	14.07				
1.4	QPSK	6	0	13.82	13.48	13.44	14.5	1		
1.4	16QAM	1	0	14.18	13.92	13.71				
1.4	16QAM	1	3	14.21	14.05	13.78				
1.4	16QAM	1	5	13.85	13.49	13.54	14.5	1		
1.4	16QAM	3	0	14.02	13.79	13.56				
1.4	16QAM	3	1	14.15	13.94	13.71				
1.4	16QAM	3	3	13.73	13.35	13.47				
1.4	16QAM	6	0	12.86	12.63	12.41	13.5	2		
1.4	16QAM	1	0	13.11	12.78	12.51				
1.4	16QAM	1	3	13.13	13.20	12.57				
1.4	16QAM	1	5	12.70	12.39	12.37	13.5	2		
1.4	16QAM	3	0	13.00	12.62	12.37				
1.4	16QAM	3	1	13.02	13.05	12.47				
1.4	16QAM	3	3	12.58	12.26	12.23	12.5	3		
1.4	16QAM	6	0	11.82	11.51	11.37				

Band 7_Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 20850	Power Middle Ch. / Freq. 21100	Power High Ch. / Freq. 21350	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	13.43	13.39	13.21				
20	QPSK	1	49	13.41	13.32	13.19	14.5	0		
20	QPSK	1	99	13.18	13.18	13.04				
20	QPSK	50	0	12.25	12.34	12.25				
20	QPSK	50	24	12.45	12.36	12.35	13.5	1		
20	QPSK	50	50	12.33	12.35	12.20				
20	QPSK	100	0	12.39	12.34	12.23				
20	16QAM	1	0	12.63	12.51	12.38				
20	16QAM	1	49	12.74	12.74	12.66	13.5	1		
20	16QAM	1	99	12.51	12.51	12.34				
20	16QAM	50	0	11.26	11.34	11.23				
20	16QAM	50	24	11.33	11.35	11.19	12.5	2		
20	16QAM	50	50	11.33	11.32	11.20				
20	16QAM	100	0	11.29	11.33	11.21				
20	16QAM	1	0	11.45	11.35	11.25				
20	16QAM	1	49	11.65	11.81	11.49	12.5	2		
20	16QAM	1	99	11.36	11.34	11.20				
20	16QAM	50	0	10.31	10.39	10.33				
20	16QAM	50	24							



Band 38_Ant 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				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	18.19	17.77	17.77	19.5	0		
20	QPSK	1	49	18.10	18.03	18.14				
20	QPSK	1	99	17.80	17.94	17.90				
20	QPSK	50	0	17.08	17.11	17.17	18.5	1		
20	QPSK	50	24	17.27	17.19	17.15				
20	QPSK	50	50	17.09	17.11	17.23				
20	QPSK	100	0	17.13	17.17	17.24	18.5	1		
20	16QAM	1	0	17.21	17.23	17.22				
20	16QAM	1	49	17.52	17.41	17.57				
20	16QAM	1	99	17.31	17.26	17.33	17.5	2		
20	16QAM	50	0	16.18	16.16	16.18				
20	16QAM	50	24	16.22	16.21	16.29				
20	16QAM	50	50	16.14	16.23	16.22	17.5	2		
20	16QAM	100	0	16.23	16.17	16.24				
20	64QAM	1	0	16.04	15.99	16.11				
20	64QAM	1	49	16.32	16.24	16.36	16.5	3		
20	64QAM	1	99	16.07	16.10	16.08				
20	64QAM	50	0	15.18	15.11	15.03				
20	64QAM	50	24	15.18	15.12	15.10	16.5	3		
20	64QAM	50	50	15.08	15.13	15.18				
20	64QAM	100	0	15.11	15.09	15.12				
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				25725	2595	26175				
15	QPSK	1	0	17.80	17.66	17.61	19.5	0		
15	QPSK	1	37	17.96	17.95	18.15				
15	QPSK	1	74	17.74	17.88	17.75				
15	QPSK	36	0	16.96	16.96	17.10	18.5	1		
15	QPSK	36	20	17.03	17.07	17.03				
15	QPSK	36	39	16.96	17.03	17.09				
15	QPSK	75	0	17.00	17.10	17.13	18.5	1		
15	16QAM	1	0	17.15	17.09	17.11				
15	16QAM	1	37	17.41	17.33	17.45				
15	16QAM	1	74	17.16	17.12	17.27	17.5	2		
15	16QAM	36	0	16.05	16.11	16.03				
15	16QAM	36	20	16.13	16.10	16.17				
15	16QAM	36	39	16.00	16.10	16.11	17.5	2		
15	16QAM	75	0	16.16	16.02	16.16				
15	64QAM	1	0	15.99	15.91	16.05				
15	64QAM	1	37	16.22	16.14	16.27	17.5	2		
15	64QAM	1	74	15.92	16.05	15.92				
15	64QAM	36	0	15.06	15.05	15.02				
15	64QAM	36	20	15.05	15.07	15.03	16.5	3		
15	64QAM	36	39	15.02	15.07	15.08				
15	64QAM	75	0	15.05	15.03	15.07				
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	17.83	17.64	17.72	19.5	0		
10	QPSK	1	25	17.94	17.88	18.14				
10	QPSK	1	49	17.66	17.83	17.81				
10	QPSK	25	0	17.01	17.05	17.07	18.5	1		
10	QPSK	25	12	17.03	17.12	17.04				
10	QPSK	25	25	16.95	16.97	17.10				
10	QPSK	50	0	17.05	17.08	17.08	18.5	1		
10	16QAM	1	0	17.14	17.16	17.08				
10	16QAM	1	25	17.38	17.27	17.59				
10	16QAM	1	49	17.15	17.10	17.17	17.5	2		
10	16QAM	25	0	16.06	16.01	16.03				
10	16QAM	25	12	16.09	16.09	16.23				
10	16QAM	25	25	16.09	16.09	16.08	17.5	2		
10	16QAM	50	0	16.14	16.10	16.17				
10	64QAM	1	0	15.93	15.93	16.01				
10	64QAM	1	25	16.26	16.17	16.24	17.5	2		
10	64QAM	1	49	16.01	15.97	15.92				
10	64QAM	25	0	15.08	15.08	15.05				
10	64QAM	25	12	15.13	15.07	15.05	16.5	3		
10	64QAM	25	25	15.09	15.07	15.10				
10	64QAM	50	0	15.08	15.09	15.00				
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	17.79	17.67	17.67	19.5	0		
5	QPSK	1	12	17.96	17.96	18.19				
5	QPSK	1	24	17.72	17.80	17.84				
5	QPSK	12	0	16.95	17.05	17.04	18.5	1		
5	QPSK	12	7	17.10	17.03	17.06				
5	QPSK	12	13	16.96	17.00	17.08				
5	QPSK	25	0	17.00	17.06	17.16	18.5	1		
5	16QAM	1	0	17.07	17.13	17.11				
5	16QAM	1	12	17.45	17.29	17.44				
5	16QAM	1	24	17.26	17.19	17.22	17.5	2		
5	16QAM	12	0	16.03	16.01	16.02				
5	16QAM	12	7	16.09	16.13	16.24				
5	16QAM	12	13	16.08	16.11	16.14	17.5	2		
5	16QAM	25	0	16.09	16.09	16.09				
5	64QAM	1	0	15.99	15.94	15.99				
5	64QAM	1	12	16.19	16.11	16.24	17.5	2		
5	64QAM	1	24	15.97	15.99	15.93				
5	64QAM	12	0	15.03	15.00	15.01				
5	64QAM	12	7	15.12	15.04	15.00	16.5	3		
5	64QAM	12	13	15.03	15.09	15.02				
5	64QAM	25	0	15.01	15.08	15.07				

Band 41_Ant 1												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40600	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	18.26	18.39	18.38	18.34	18.38	19.5	0		
20	QPSK	1	49	18.24	18.25	18.17	18.14	18.20				
20	QPSK	1	99	18.25	18.23	18.19	18.24	18.25				
20	QPSK	50	0	17.35	17.34	17.14	17.12	17.21	18.5	1		
20	QPSK	50	24	17.44	17.47	17.25	17.26	17.31				
20	QPSK	50	50	17.40	17.28	17.22	17.25	17.22				
20	QPSK	100	0	17.24	17.41	17.23	17.32	17.30	18.5	1		
20	16QAM	1	0	17.34	17.41	17.19	17.29	17.13				
20	16QAM	1	49	17.77	17.71	17.57	17.51	17.61				
20	16QAM	1	99	17.31	17.24	17.27	17.34	17.24	18.5	1		
20	16QAM	50	0	16.34	16.37	16.17	16.26	16.35				
20	16QAM	50	24	16.47	16.31	16.19	16.28	16.31				
20	16QAM	50	50	16.55	16.26	16.28	16.23	16.28	17.5	2		
20	16QAM	100	0	16.43	16.35	16.26	16.29	16.28				
20	64QAM	1	0	16.28	16.14	16.13	16.22	16.21				
20	64QAM	1	49	16.43	16.37	16.17	16.29	16.32	17.5	2		
20	64QAM	1	99	16.20	16.12	16.15	16.24	16.23				
20	64QAM	50	0	15.35	15.29	15.20	15.31	15.33				
20	64QAM	50	24	15.50	15.31	15.26	15.33	15.31	16.5	3		
20	64QAM	50	50	15.44	15.32	15.24	15.24	15.30				
20	64QAM	100	0	15.38	15.43	15.19	15.28	15.33				
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2503.5	2546.3	2591	2637.4	2682.5				
15	QPSK	1	0	18.18	18.29	18.33	18.26	18.32	19.5	0		
15	QPSK	1	37	18.18	18.20	18.22	18.23	18.27				
15	QPSK	1	74	18.14	18.11	18.10	18.19	18.17				
15	QPSK	36	0	17.24	17.29	17.23	17.13	17.13	18.5	1		
15	QPSK	36	20	17.37	17.37	17.20	17.16	17.21				
15	QPSK	36	39	17.30	17.19	17.11	17.10	17.28				
15	QPSK	75	0	17.16	17.26	17.13	17.27	17.16	18.5	1		
15	16QAM	1	0	17.22	17.34	17.29	17.16	17.18				
15	16QAM	1	37	17.71	17.62	17.51	17.36	17.53				
15	16QAM	1	74	17.16	17.16	17.17	17.18	17.11	17.5	2		
15	16QAM	36	0	16.26	16.24	16.21	16.13	16.19				
15	16QAM	36	20	16.40	16.19	16.11	16.18	16.23				
15	16QAM	36	39	16.44	16.13	1						



Band 41_Ant 1 (HUPE)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Low Middle Ch / Freq.	Power Middle Ch / Freq.	Power High Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	20.62	20.63	20.50	20.57	20.53	21.5	0
20	QPSK	1	49	20.55	20.54	20.43	20.55	20.50		
20	QPSK	1	99	20.36	20.37	20.30	20.40	20.38		
20	QPSK	50	0	19.48	19.52	19.46	19.44	19.53	20.5	1
20	QPSK	50	24	19.62	19.63	19.48	19.53	19.56		
20	QPSK	50	50	19.59	19.43	19.46	19.46	19.49		
20	QPSK	100	0	19.62	19.66	19.49	19.54	19.52	20.5	1
20	16QAM	1	0	19.75	19.69	19.57	19.60	19.61		
20	16QAM	1	49	19.88	19.89	19.76	19.88	19.83		
20	16QAM	1	99	19.75	19.62	19.63	19.81	19.55	19.5	2
20	16QAM	50	0	18.53	18.56	18.49	18.58	18.65		
20	16QAM	50	24	18.80	18.57	18.56	18.55	18.63		
20	16QAM	50	50	18.72	18.58	18.52	18.58	18.61	19.5	2
20	16QAM	100	0	18.64	18.53	18.43	18.62	18.64		
20	64QAM	1	0	18.56	18.46	18.31	18.44	18.49		
20	64QAM	1	49	18.85	18.73	18.60	18.75	18.80	19.5	2
20	64QAM	1	99	18.54	18.54	18.52	18.45	18.50		
20	64QAM	50	0	17.57	17.58	17.38	17.51	17.64		
20	64QAM	50	24	17.72	17.62	17.48	17.56	17.62	18.5	3
20	64QAM	50	50	17.68	17.52	17.54	17.54	17.55		
20	64QAM	100	0	17.71	17.61	17.40	17.63	17.60		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.3	2682.5		
15	QPSK	1	0	20.37	20.39	20.35	20.37	20.48	21.50	0
15	QPSK	1	37	20.41	20.43	20.34	20.39	20.35		
15	QPSK	1	74	20.30	20.39	20.38	20.47	20.34		
15	QPSK	36	0	19.34	19.42	19.30	19.46	19.40	20.5	1
15	QPSK	36	20	19.47	19.43	19.37	19.48	19.43		
15	QPSK	36	39	19.47	19.37	19.35	19.40	19.39		
15	QPSK	75	0	19.50	19.51	19.42	19.44	19.42	20.5	1
15	16QAM	1	0	19.67	19.53	19.51	19.49	19.55		
15	16QAM	1	37	19.77	19.73	19.64	19.79	19.75		
15	16QAM	1	74	19.67	19.56	19.56	19.52	19.41	19.5	2
15	16QAM	36	0	18.39	18.40	18.33	18.53	18.49		
15	16QAM	36	20	18.74	18.45	18.50	18.43	18.50		
15	16QAM	36	39	18.63	18.50	18.42	18.43	18.52	19.5	2
15	16QAM	75	0	18.50	18.58	18.30	18.52	18.50		
15	64QAM	1	0	18.43	18.30	18.43	18.31	18.34		
15	64QAM	1	37	18.78	18.61	18.50	18.62	18.65	19.5	2
15	64QAM	1	74	18.38	18.40	18.45	18.36	18.43		
15	64QAM	36	0	17.50	17.49	17.44	17.37	17.48		
15	64QAM	36	20	17.65	17.55	17.43	17.42	17.53	18.5	3
15	64QAM	36	39	17.53	17.39	17.45	17.41	17.46		
15	64QAM	75	0	17.56	17.48	17.32	17.52	17.48		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2686		
10	QPSK	1	0	20.40	20.41	20.38	20.38	20.37	21.50	0
10	QPSK	1	25	20.46	20.39	20.36	20.40	20.34		
10	QPSK	1	49	20.44	20.40	20.30	20.32	20.34		
10	QPSK	25	0	19.43	19.45	19.40	19.39	19.43	20.5	1
10	QPSK	25	12	19.57	19.43	19.33	19.36	19.42		
10	QPSK	25	25	19.43	19.42	19.40	19.35	19.38		
10	QPSK	50	0	19.47	19.49	19.38	19.39	19.45	20.5	1
10	16QAM	1	0	19.69	19.62	19.46	19.54	19.56		
10	16QAM	1	25	19.74	19.61	19.64	19.79	19.75		
10	16QAM	1	49	19.64	19.52	19.52	19.47	19.43	19.5	2
10	16QAM	25	0	18.44	18.46	18.43	18.42	18.52		
10	16QAM	25	12	18.66	18.41	18.45	18.47	18.58		
10	16QAM	25	25	18.64	18.51	18.43	18.50	18.47	19.5	2
10	16QAM	50	0	18.49	18.54	18.49	18.51	18.52		
10	64QAM	1	0	18.45	18.41	18.46	18.31	18.41		
10	64QAM	1	25	18.77	18.68	18.51	18.65	18.65	19.5	2
10	64QAM	1	49	18.39	18.44	18.42	18.30	18.40		
10	64QAM	25	0	17.43	17.50	17.31	17.35	17.57		
10	64QAM	25	12	17.57	17.53	17.42	17.48	17.57	18.5	3
10	64QAM	25	25	17.55	17.47	17.42	17.44	17.48		
10	64QAM	50	0	17.64	17.52	17.31	17.50	17.50		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	20.44	20.35	20.35	20.41	20.41	21.50	0
5	QPSK	1	12	20.43	20.44	20.36	20.42	20.41		
5	QPSK	1	24	20.30	20.38	20.35	20.32	20.38		
5	QPSK	12	0	19.39	19.46	19.34	19.44	19.41	20.5	1
5	QPSK	12	7	19.56	19.40	19.37	19.35	19.51		
5	QPSK	12	13	19.49	19.34	19.35	19.39	19.43		
5	QPSK	25	0	19.57	19.40	19.33	19.46	19.42	20.5	1
5	16QAM	1	0	19.59	19.63	19.50	19.45	19.53		
5	16QAM	1	12	19.82	19.79	19.64	19.79	19.71		
5	16QAM	1	24	19.64	19.53	19.48	19.53	19.43	19.5	2
5	16QAM	12	0	18.37	18.41	18.43	18.43	18.60		
5	16QAM	12	7	18.68	18.44	18.45	18.39	18.54		
5	16QAM	12	13	18.62	18.44	18.36	18.52	18.46	19.5	2
5	16QAM	25	0	18.51	18.52	18.34	18.50	18.58		
5	64QAM	1	0	18.50	18.38	18.45	18.48	18.36		
5	64QAM	1	12	18.77	18.64	18.52	18.60	18.69	19.5	2
5	64QAM	1	24	18.38	18.43	18.44	18.38	18.45		
5	64QAM	12	0	17.52	17.44	17.31	17.43	17.55		
5	64QAM	12	7	17.58	17.52	17.33	17.42	17.56	18.5	3
5	64QAM	12	13	17.58	17.41	17.41	17.47	17.48		
5	64QAM	25	0	17.59	17.56	17.48	17.52	17.54		



Band 38_Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	13.80	13.46	13.36				
20	QPSK	1	49	13.70	13.72	13.67	15	0		
20	QPSK	1	99	13.58	13.49	13.42				
20	QPSK	50	0	12.88	12.64	12.74				
20	QPSK	50	24	12.90	12.83	12.73	14	1		
20	QPSK	50	59	12.80	12.75	12.69				
20	QPSK	100	0	12.70	12.72	12.64				
20	16QAM	1	0	12.90	12.78	12.77				
20	16QAM	1	49	13.15	13.09	13.02	14	1		
20	16QAM	1	99	12.95	12.83	12.69				
20	16QAM	50	0	11.89	11.68	11.67				
20	16QAM	50	24	11.88	11.76	11.74	13	2		
20	16QAM	50	50	11.83	11.70	11.67				
20	16QAM	100	0	11.77	11.74	11.65				
20	64QAM	1	0	11.84	11.67	11.59				
20	64QAM	1	49	11.97	11.86	11.78	13	2		
20	64QAM	1	99	11.69	11.55	11.63				
20	64QAM	50	0	10.73	10.65	10.70				
20	64QAM	50	24	10.85	10.75	10.70	12	3		
20	64QAM	50	50	10.74	10.76	10.63				
20	64QAM	100	0	10.77	10.65	10.68				
Channel				37825	38000	38175				
Frequency (MHz)				2617.5	2595	2612.5				
15	QPSK	1	0	13.49	13.31	13.25	15	0		
15	QPSK	1	37	13.69	13.56	13.56				
15	QPSK	1	74	13.44	13.34	13.28				
15	QPSK	36	0	12.80	12.59	12.65				
15	QPSK	36	20	12.77	12.67	12.57	14	1		
15	QPSK	36	39	12.67	12.63	12.58				
15	QPSK	75	0	12.60	12.59	12.49				
15	16QAM	1	0	12.81	12.70	12.65				
15	16QAM	1	37	13.07	13.01	12.96	14	1		
15	16QAM	1	74	12.84	12.74	12.61				
15	16QAM	36	0	11.73	11.57	11.51				
15	16QAM	36	20	11.82	11.70	11.65	13	2		
15	16QAM	36	39	11.73	11.63	11.53				
15	16QAM	75	0	11.69	11.69	11.55				
15	64QAM	1	0	11.70	11.46	11.46				
15	64QAM	1	37	11.81	11.71	11.69	13	2		
15	64QAM	1	74	11.60	11.39	11.47				
15	64QAM	36	0	10.57	10.60	10.61				
15	64QAM	36	20	10.73	10.66	10.57	12	3		
15	64QAM	36	39	10.64	10.60	10.54				
15	64QAM	75	0	10.65	10.56	10.61				
Channel				37800	38000	38200				
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	13.46	13.39	13.29	15	0		
10	QPSK	1	25	13.75	13.62	13.52				
10	QPSK	1	49	13.45	13.44	13.30				
10	QPSK	25	0	12.75	12.51	12.62				
10	QPSK	25	12	12.81	12.78	12.65	14	1		
10	QPSK	25	25	12.68	12.62	12.64				
10	QPSK	50	0	12.65	12.57	12.59				
10	16QAM	1	0	12.74	12.64	12.62				
10	16QAM	1	25	13.00	12.99	12.94	14	1		
10	16QAM	1	49	12.82	12.88	12.83				
10	16QAM	25	0	11.78	11.63	11.57				
10	16QAM	25	12	11.79	11.68	11.65	13	2		
10	16QAM	25	25	11.75	11.59	11.58				
10	16QAM	50	0	11.69	11.67	11.54				
10	64QAM	1	0	11.75	11.50	11.44				
10	64QAM	1	25	11.83	11.72	11.67	13	2		
10	64QAM	1	49	11.62	11.45	11.52				
10	64QAM	25	0	10.61	10.49	10.62				
10	64QAM	25	12	10.72	10.59	10.50	12	3		
10	64QAM	25	25	10.68	10.62	10.47				
10	64QAM	50	0	10.63	10.58	10.55				
Channel				37775	38000	38225				
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	13.52	13.36	13.20	15	0		
5	QPSK	1	12	13.69	13.65	13.61				
5	QPSK	1	24	13.46	13.36	13.32				
5	QPSK	12	0	12.78	12.53	12.69				
5	QPSK	12	7	12.74	12.69	12.64	14	1		
5	QPSK	12	13	12.73	12.68	12.58				
5	QPSK	25	0	12.61	12.67	12.56				
5	16QAM	1	0	12.82	12.70	12.68				
5	16QAM	1	12	13.10	13.03	12.91	14	1		
5	16QAM	1	24	12.80	12.74	12.55				
5	16QAM	12	0	11.83	11.63	11.56				
5	16QAM	12	7	11.76	11.64	11.60	13	2		
5	16QAM	12	13	11.76	11.65	11.62				
5	16QAM	25	0	11.66	11.59	11.57				
5	64QAM	1	0	11.78	11.46	11.45				
5	64QAM	1	12	11.88	11.77	11.71	13	2		
5	64QAM	1	24	11.56	11.39	11.50				
5	64QAM	12	0	10.57	10.53	10.54				
5	64QAM	12	7	10.78	10.63	10.56	12	3		
5	64QAM	12	13	10.61	10.68	10.54				
5	64QAM	25	0	10.70	10.50	10.58				

Band 41_Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40600				
Frequency (MHz)				2506	2549.5	2593				
20	QPSK	1	0	13.97	13.99	13.73	15	0		
20	QPSK	1	49	13.87	13.84	13.70				
20	QPSK	1	99	13.90	13.78	13.59				
20	QPSK	50	0	12.90	12.94	12.72				
20	QPSK	50	24	12.99	13.04	12.73	14	1		
20	QPSK	50	59	12.93	12.87	12.66				
20	QPSK	100	0	13.02	13.13	12.72				
20	16QAM	1	0	13.01	12.95	12.76				
20	16QAM	1	49	13.32	13.24	13.05	14	1		
20	16QAM	1	99	13.05	12.86	12.71				
20	16QAM	50	0	11.88	11.94	11.68				
20	16QAM	50	24	12.07	11.93	11.89	13	2		
20	16QAM	50	50	12.05	11.88	11.67				
20	16QAM	100	0	12.15	11.91	11.71				
20	64QAM	1	0	11.72	11.67	11.66				
20	64QAM	1	49	12.35	11.92	11.66	13	2		
20	64QAM	1	99	11.69	11.62	11.63				
20	64QAM	50	0	10.91	10.87	10.68				
20	64QAM	50	24	11.00	10.88	10.68	12	3		
20	64QAM	50	50	10.99	10.81	10.61				
20	64QAM	100	0	11.03	10.87	10.80				
Channel				39725	40173	40620				
Frequency (MHz)				2503.5	2548.3	2592				
15	QPSK	1	0	13.78	13.68	13.52	15	0		
15	QPSK	1	37	13.82	13.86	13.75				
15	QPSK	1	74	13.85	13.83	13.63				
15	QPSK	36	0	12.87	12.82	12.58				
15	QPSK	36	20	12.96	12.87	12.56	14	1		
15	QPSK	36	39	12.96	12.82	12.60				
15	QPSK	75	0	12.86	12.88	12.56				
15	16QAM	1	0	12.86	12.82	12.71				
15	16QAM	1	37	13.24	13.12	12.99	14	1		
15	16QAM	1	74	12.89	12.81	12.61				
15	16QAM	36	0	11.89	11.84	11.54				
15	16QAM	36	20	12.01	11.81	11.53	13	2		
15	16QAM	36	39	11.95	11.78	11.52				
15	16QAM	75	0	1						



Band 41_Ant 2(HUPE)												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	15.92	16.00	15.78	15.65	15.76	17	0		
20	QPSK	1	49	15.90	15.91	15.70	15.63	15.72				
20	QPSK	1	99	15.79	15.69	15.61	15.51	15.52				
20	QPSK	50	0	15.03	15.01	14.73	14.69	14.66				
20	QPSK	50	24	15.08	15.14	14.87	14.70	14.75	16	1		
20	16QAM	50	0	14.96	14.87	14.70	14.64	14.69				
20	QPSK	100	0	14.90	15.06	14.83	14.67	14.64				
20	16QAM	1	0	15.24	15.09	14.81	14.80	14.76				
20	16QAM	1	49	15.44	15.33	15.05	14.96	15.01	16	1		
20	16QAM	1	99	15.13	15.06	14.81	14.83	14.73				
20	16QAM	50	0	14.04	14.06	13.81	13.71	13.65				
20	16QAM	50	24	14.17	14.11	13.96	13.59	13.70				
20	16QAM	50	50	14.13	13.91	13.79	13.62	13.65	15	2		
20	16QAM	100	0	14.05	13.87	13.75	13.62	13.64				
20	64QAM	1	0	13.92	13.92	13.72	13.53	13.57				
20	64QAM	1	49	14.28	14.16	13.92	13.77	13.73				
20	64QAM	1	99	14.00	13.87	13.60	13.57	13.50	15	2		
20	64QAM	50	0	12.97	12.94	12.77	12.74	12.58				
20	64QAM	50	24	13.13	12.95	12.78	12.69	12.67				
20	64QAM	50	50	13.13	12.96	12.74	12.62	12.60				
20	64QAM	100	0	13.06	12.98	12.81	12.69	12.68	14	3		
Channel				39725	40173	40620	41088	41515				
Frequency (MHz)				2503.5	2548.3	2593	2637.3	2682.5				
15	QPSK	1	0	15.82	15.64	15.61	15.56	15.57			17	0
15	QPSK	1	37	15.93	15.89	15.68	15.68	15.56				
15	QPSK	1	74	15.65	15.63	15.67	15.57	15.51				
15	QPSK	36	0	14.95	14.96	14.63	14.61	14.58				
15	QPSK	36	20	15.07	14.95	14.73	14.51	14.70	16	1		
15	QPSK	36	39	15.05	14.78	14.56	14.69	14.57				
15	QPSK	75	0	14.99	14.89	14.88	14.51	14.56				
15	16QAM	1	0	15.18	14.94	14.72	14.72	14.61				
15	16QAM	1	37	15.29	15.17	14.98	14.90	14.89	16	1		
15	16QAM	1	74	15.00	14.90	14.68	14.74	14.60				
15	16QAM	36	0	13.93	14.00	13.65	13.61	13.54				
15	16QAM	36	20	14.06	14.06	13.86	13.65	13.59				
15	16QAM	36	39	14.00	13.78	13.64	13.50	13.57	15	2		
15	16QAM	75	0	13.94	13.88	13.60	13.68	13.69				
15	64QAM	1	0	13.77	13.82	13.58	13.58	13.62				
15	64QAM	1	37	14.16	14.05	13.76	13.66	13.56				
15	64QAM	1	74	13.91	13.75	13.51	13.65	13.64	15	2		
15	64QAM	36	0	12.92	12.89	12.68	12.64	12.69				
15	64QAM	36	20	13.01	12.86	12.72	12.56	12.56				
15	64QAM	36	39	12.97	12.85	12.69	12.55	12.64				
15	64QAM	75	0	12.90	12.87	12.74	12.62	12.61	14	3		
Channel				39700	40160	40620	41080	41540				
Frequency (MHz)				2501	2547	2593	2639	2686				
10	QPSK	1	0	15.80	15.59	15.53	15.58	15.54			17	0
10	QPSK	1	25	15.92	15.93	15.68	15.55	15.60				
10	QPSK	1	49	15.64	15.60	15.67	15.55	15.56				
10	QPSK	25	0	14.98	14.93	14.66	14.59	14.50				
10	QPSK	25	12	15.05	14.90	14.78	14.51	14.67	16	1		
10	QPSK	25	25	15.07	14.78	14.58	14.68	14.60				
10	QPSK	50	0	14.99	14.90	14.77	14.61	14.50				
10	16QAM	1	0	15.18	15.00	14.70	14.70	14.68				
10	16QAM	1	25	15.30	15.17	14.90	14.91	14.87	16	1		
10	16QAM	1	49	15.01	14.91	14.70	14.69	14.59				
10	16QAM	25	0	13.92	13.96	13.72	13.59	13.56				
10	16QAM	25	12	14.07	14.03	13.84	13.66	13.64				
10	16QAM	25	25	14.00	13.83	13.72	13.51	13.54	15	2		
10	16QAM	50	0	13.99	13.81	13.60	13.68	13.58				
10	64QAM	1	0	13.82	13.84	13.58	13.63	13.51				
10	64QAM	1	25	14.19	14.02	13.76	13.70	13.59				
10	64QAM	1	49	13.91	13.81	13.67	13.65	13.58	15	2		
10	64QAM	25	0	12.99	12.85	12.72	12.68	12.53				
10	64QAM	25	12	12.97	12.82	12.66	12.59	12.58				
10	64QAM	25	25	13.00	12.85	12.66	12.53	12.52				
10	64QAM	50	0	12.90	12.91	12.68	12.61	12.60	14	3		
Channel				39675	40148	40620	41093	41565				
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5				
5	QPSK	1	0	15.86	15.60	15.63	15.52	15.52			17	0
5	QPSK	1	12	15.94	15.86	15.65	15.58	15.60				
5	QPSK	1	24	15.67	15.59	15.66	15.56	15.56				
5	QPSK	12	0	14.87	14.86	14.58	14.54	14.56				
5	QPSK	12	7	15.06	14.91	14.79	14.64	14.62	16	1		
5	QPSK	12	13	15.04	14.77	14.58	14.52	14.64				
5	QPSK	25	0	15.02	14.81	14.71	14.52	14.59				
5	16QAM	1	0	15.12	14.99	14.65	14.68	14.68				
5	16QAM	1	12	15.28	15.28	15.00	14.91	14.88	16	1		
5	16QAM	1	24	15.08	14.92	14.68	14.72	14.65				
5	16QAM	12	0	13.89	13.84	13.76	13.57	13.59				
5	16QAM	12	7	14.06	13.99	13.80	13.64	13.54				
5	16QAM	12	13	14.00	13.82	13.69	13.67	13.50	15	2		
5	16QAM	25	0	13.89	13.81	13.70	13.69	13.52				
5	64QAM	1	0	13.81	13.78	13.65	13.68	13.66				
5	64QAM	1	12	14.20	14.11	13.77	13.66	13.58				
5	64QAM	1	24	13.93	13.71	13.66	13.69	13.62	15	2		
5	64QAM	12	0	12.81	12.85	12.67	12.59	12.64				
5	64QAM	12	7	13.05	12.85	12.63	12.54	12.51				
5	64QAM	12	13	13.02	12.85	12.65	12.67	12.51				
5	64QAM	25	0	12.93	12.91	12.72	12.53	12.55	14	3		



Reduced Power Mode for WWAN for Sensor On

GSM850_Ant 1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8	30.00	824.2	836.4	848.8	21.00
Frequency (MHz)	29.29	29.27	29.22	30.00	29.29	29.27	29.22	21.00
GSM 1 Tx slot	29.29	29.27	29.22	30.00	29.29	29.27	29.22	21.00
GPRS 1 Tx slots	29.33	29.27	29.22	30.00	20.33	20.27	20.22	21.00
GPRS 2 Tx slots	28.69	28.64	28.65	29.50	22.69	22.64	22.65	23.50
GPRS 3 Tx slots	26.71	26.65	26.61	27.50	22.45	22.39	22.35	23.24
GPRS 4 Tx slots	25.74	25.65	25.62	26.50	22.74	22.65	22.62	23.50
EDGE 1 Tx slot	23.86	23.57	23.34	24.50	14.86	14.57	14.34	15.50
EDGE 2 Tx slots	22.62	22.48	22.34	23.50	16.62	16.48	16.34	17.50
EDGE 3 Tx slots	20.70	20.46	20.34	21.50	16.44	16.20	16.08	17.24
EDGE 4 Tx slots	19.64	19.48	19.37	20.50	16.64	16.48	16.37	17.50

GSM1900_Ant 1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8	23.50	1850.2	1880	1909.8	14.50
Frequency (MHz)	22.17	21.87	21.69	23.50	13.17	12.87	12.69	14.50
GSM 1 Tx slot	22.18	21.95	21.72	23.50	13.18	12.95	12.72	14.50
GPRS 1 Tx slot	21.62	21.22	21.09	23.00	15.62	15.22	15.09	17.00
GPRS 2 Tx slots	19.73	19.50	19.57	21.50	15.47	15.24	15.31	17.24
GPRS 3 Tx slots	18.89	18.65	18.58	20.50	15.89	15.65	15.58	17.50
GPRS 4 Tx slots	18.39	18.38	18.52	20.00	9.39	9.38	9.52	11.00
EDGE 1 Tx slot	17.44	17.44	17.64	19.00	11.44	11.44	11.64	13.00
EDGE 2 Tx slots	15.53	15.71	15.75	17.50	11.27	11.45	11.49	13.24
EDGE 3 Tx slots	14.75	14.54	14.82	16.50	11.75	11.54	11.82	13.50
EDGE 4 Tx slots								

Band	WCDMA_II_Ant 1			Tune-up Limit (dBm)	WCDMA_IV_Ant 1			Tune-up Limit (dBm)	WCDMA_V_Ant 1			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513		4132	4182	4233	
TX Channel	9662	9800	9938	16.37	1638	1738	1838	19.00	4357	4407	4458	21.50
Rx Channel	1852.4	1880	1907.6	17.12.4	17.32.6	17.52.6	18.06	20.15	20.28	20.32	21.50	
Frequency (MHz)	17.05	16.76	16.51	18.00	18.06	18.08	18.06	19.00	20.15	20.28	20.32	21.50
3GPP Rel 99	AMR 12.2Kbps	17.05	16.76	16.51	18.00	18.06	18.08	18.06	19.00	20.15	20.28	20.32
3GPP Rel 99	RMC 12.2Kbps	17.06	16.77	16.66	18.00	18.07	18.09	18.08	19.00	20.19	20.29	20.44
3GPP Rel 6	HSDPA Subtest-1	16.12	15.78	15.75	17.00	17.03	17.07	16.95	18.00	19.18	19.19	19.34
3GPP Rel 6	HSDPA Subtest-2	16.03	15.78	15.59	17.00	17.02	16.93	16.92	18.00	19.24	19.21	19.23
3GPP Rel 6	HSDPA Subtest-3	15.41	15.19	15.01	16.50	16.57	16.34	16.41	17.50	18.75	18.74	18.78
3GPP Rel 6	HSDPA Subtest-4	15.49	15.24	15.02	16.50	16.57	16.50	16.38	17.50	18.74	18.68	18.76
3GPP Rel 8	DC-HSDPA Subtest-1	16.16	15.78	15.68	17.00	16.92	16.89	16.82	18.00	19.13	19.08	19.27
3GPP Rel 8	DC-HSDPA Subtest-2	16.03	15.89	15.52	17.00	16.87	16.94	16.78	18.00	19.19	19.14	19.14
3GPP Rel 8	DC-HSDPA Subtest-3	15.53	15.24	15.04	16.50	16.46	16.18	16.29	17.50	18.60	18.68	18.67
3GPP Rel 8	DC-HSDPA Subtest-4	15.56	15.27	15.00	16.50	16.37	16.34	16.17	17.50	18.61	18.52	18.62
3GPP Rel 6	HSUPA Subtest-1	14.04	14.01	14.04	16.00	15.09	15.19	15.42	17.00	17.41	17.42	17.49
3GPP Rel 6	HSUPA Subtest-2	14.11	13.87	13.68	15.00	15.07	15.00	15.02	16.00	17.21	17.26	17.33
3GPP Rel 6	HSUPA Subtest-3	15.06	14.90	14.62	16.00	15.93	16.01	15.95	17.00	18.18	18.29	18.40
3GPP Rel 6	HSUPA Subtest-4	13.69	13.52	13.24	15.00	14.04	14.06	14.40	16.00	16.60	16.81	16.94
3GPP Rel 6	HSUPA Subtest-5	15.20	15.04	15.03	17.00	16.47	16.10	16.30	18.00	18.64	18.42	18.52
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	14.28	14.15	14.36	14.50	14.99	15.31	15.34	15.50	17.40	17.20	17.50



GSM850_Ant 2	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	30.44	30.24	30.08	31.00	21.44	21.24	21.08	22.00
GPRS 1 Tx slot	30.46	30.26	30.08	31.00	21.46	21.26	21.08	22.00
GPRS 2 Tx slots	29.50	29.29	29.14	30.00	23.50	23.29	23.14	24.00
GPRS 3 Tx slots	27.58	27.33	27.18	28.00	23.32	23.07	22.92	23.74
GPRS 4 Tx slots	26.49	26.26	26.08	27.00	23.49	23.26	23.08	24.00
EDGE 1 Tx slot	25.21	24.78	24.51	25.50	16.21	15.78	15.51	16.50
EDGE 2 Tx slots	24.09	23.78	23.61	24.50	18.09	17.78	17.61	18.50
EDGE 3 Tx slots	22.09	21.86	21.51	22.50	17.83	17.60	17.25	18.24
EDGE 4 Tx slots	21.03	20.63	20.36	21.50	18.03	17.63	17.36	18.50

GSM1900_Ant 2	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	1880	1909.8		1850.2	1880	1909.8	
EDGE 1 Tx slot	22.01	21.51	21.23	22.50	13.01	12.51	12.23	13.50
GPRS 1 Tx slot	22.02	21.48	21.29	22.50	13.02	12.48	12.29	13.50
GPRS 2 Tx slots	21.25	20.71	20.51	21.50	15.25	14.71	14.51	15.50
GPRS 3 Tx slots	19.33	18.75	18.56	20.00	15.07	14.49	14.30	15.74
GPRS 4 Tx slots	18.25	17.78	17.56	19.00	15.35	14.78	14.56	16.00
EDGE 1 Tx slot	18.62	18.02	18.34	19.00	9.62	9.02	9.34	10.00
EDGE 2 Tx slots	17.23	17.02	17.17	18.50	11.23	11.02	11.17	12.50
EDGE 3 Tx slots	15.72	15.23	15.32	16.50	11.46	10.97	11.06	12.24
EDGE 4 Tx slots	14.85	14.89	14.88	16.00	11.85	11.89	11.88	13.00

Band	WCDMA U_Ant 2			Tune-up Limit (dBm)	WCDMA V_Ant 2			Tune-up Limit (dBm)
	TX Channel	9262	9400		9538	4132	4182	
Rx Channel	9662	9800	9938		4357	4407	4458	
Frequency (MHz)	1852.4	1880	1907.6		826.4	836.4	846.6	
3GPP Rel 99 AMR 12.2Kbps	15.57	15.31	14.75	16.50	21.16	21.16	21.34	22.00
3GPP Rel 99 RMC 12.2Kbps	15.58	15.32	14.78	16.50	21.17	21.18	21.36	22.00
3GPP Rel 6 HSDPA Subtest-1	14.30	14.12	14.02	15.50	19.98	20.04	20.17	21.00
3GPP Rel 6 HSDPA Subtest-2	14.28	14.05	13.96	15.50	20.01	20.00	19.72	21.00
3GPP Rel 6 HSDPA Subtest-3	13.66	13.48	13.42	15.00	19.56	19.58	19.59	20.50
3GPP Rel 6 HSDPA Subtest-4	13.72	13.51	13.41	15.00	19.53	19.52	19.55	20.50
3GPP Rel 8 DC-HSDPA Subtest-1	14.29	14.06	13.95	15.50	19.97	19.94	20.14	21.00
3GPP Rel 8 DC-HSDPA Subtest-2	14.25	14.11	13.92	15.50	20.03	19.97	20.18	21.00
3GPP Rel 8 DC-HSDPA Subtest-3	13.72	13.57	13.48	15.00	19.48	19.42	19.61	20.50
3GPP Rel 8 DC-HSDPA Subtest-4	13.76	13.46	13.43	15.00	19.44	19.51	19.64	20.50
3GPP Rel 6 HSUPA Subtest-1	12.57	12.58	12.52	14.50	18.08	18.14	18.24	20.00
3GPP Rel 6 HSUPA Subtest-2	12.30	11.84	11.62	13.50	18.11	18.06	18.24	19.00
3GPP Rel 6 HSUPA Subtest-3	13.31	13.03	12.65	14.50	19.08	19.18	19.24	20.00
3GPP Rel 6 HSUPA Subtest-4	11.76	11.55	11.54	13.50	17.70	17.63	17.77	19.00
3GPP Rel 6 HSUPA Subtest-5	13.75	13.62	13.55	15.50	19.54	19.54	19.05	21.00
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	11.91	11.55	11.25	13.00	17.70	17.80	17.80	18.50



Band 2_Ant 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)										
20	QPSK	1	0	17.72	17.73	17.74	18.5	0		
20	QPSK	1	49	17.66	17.53	17.29	18.5	0		
20	QPSK	1	99	17.26	17.03	16.99	18.5	0		
20	QPSK	50	0	16.63	16.49	16.26	17.5	1		
20	QPSK	50	24	16.69	16.47	16.21	17.5	1		
20	QPSK	50	50	16.56	16.21	16.07	17.5	1		
20	QPSK	100	0	16.60	16.34	16.15	17.5	1		
20	16QAM	1	0	16.87	16.71	16.47	17.5	1		
20	16QAM	1	49	16.98	16.83	16.62	17.5	1		
20	16QAM	1	99	16.56	16.32	16.34	17.5	1		
20	16QAM	50	0	15.26	15.88	15.29	16.5	2		
20	16QAM	50	24	15.64	15.46	15.26	16.5	2		
20	16QAM	50	50	15.58	15.23	15.10	16.5	2		
20	16QAM	100	0	15.60	15.33	15.17	16.5	2		
20	64QAM	1	0	15.88	15.55	15.35	16.5	2		
20	64QAM	1	49	15.83	15.67	15.54	16.5	2		
20	64QAM	1	99	15.44	15.20	15.18	16.5	2		
20	64QAM	50	0	14.64	14.48	14.27	16.5	2		
20	64QAM	50	24	14.59	14.44	14.21	16.5	3		
20	64QAM	50	50	14.27	14.20	14.05	16.5	3		
20	64QAM	100	0	14.50	14.33	14.14	16.5	3		
Channel										
Frequency (MHz)										
15	QPSK	1	0	17.58	17.40	17.13	18.5	0		
15	QPSK	1	37	17.63	17.57	17.33	18.5	0		
15	QPSK	1	74	17.38	17.16	17.08	18.5	0		
15	QPSK	36	0	16.65	16.48	16.27	17.5	1		
15	QPSK	36	20	16.61	16.43	16.22	17.5	1		
15	QPSK	36	39	16.56	16.32	16.11	17.5	1		
15	QPSK	75	0	16.57	16.38	16.21	17.5	1		
15	16QAM	1	0	16.86	16.66	16.42	17.5	1		
15	16QAM	1	37	16.83	16.64	16.54	17.5	1		
15	16QAM	1	74	16.73	16.42	16.39	17.5	1		
15	16QAM	36	0	15.66	15.46	15.24	16.5	2		
15	16QAM	36	20	15.59	15.42	15.22	16.5	2		
15	16QAM	36	39	15.54	15.30	15.10	16.5	2		
15	16QAM	75	0	15.59	15.39	15.21	16.5	2		
15	64QAM	1	0	15.74	15.60	15.30	16.5	2		
15	64QAM	1	37	15.86	15.88	15.49	16.5	2		
15	64QAM	1	74	15.55	15.34	15.28	16.5	2		
15	64QAM	36	0	14.63	14.47	14.24	16.5	3		
15	64QAM	36	20	14.59	14.42	14.24	16.5	3		
15	64QAM	36	39	14.51	14.32	14.12	16.5	3		
15	64QAM	75	0	14.55	14.37	14.19	16.5	3		
Channel										
Frequency (MHz)										
10	QPSK	1	0	17.60	17.43	17.17	18.5	0		
10	QPSK	1	25	17.56	17.54	17.34	18.5	0		
10	QPSK	1	49	17.45	17.30	17.17	18.5	0		
10	QPSK	25	0	16.68	16.50	16.24	17.5	1		
10	QPSK	25	12	16.61	16.48	16.22	17.5	1		
10	QPSK	25	25	16.55	16.39	16.16	17.5	1		
10	QPSK	50	0	16.60	16.42	16.21	17.5	1		
10	16QAM	1	0	16.25	16.35	16.51	17.5	1		
10	16QAM	1	25	16.98	16.84	16.69	17.5	1		
10	16QAM	1	49	16.75	16.61	16.51	17.5	1		
10	16QAM	25	0	15.68	15.53	15.26	16.5	2		
10	16QAM	25	12	15.63	15.49	15.25	16.5	2		
10	16QAM	25	25	15.57	15.39	15.20	16.5	2		
10	16QAM	50	0	15.62	15.44	15.24	16.5	2		
10	64QAM	1	0	15.84	15.62	15.31	16.5	2		
10	64QAM	1	25	15.81	15.70	15.45	16.5	2		
10	64QAM	1	49	15.63	15.50	15.38	16.5	2		
10	64QAM	25	0	14.62	14.43	14.24	16.5	3		
10	64QAM	25	12	14.61	14.46	14.20	16.5	3		
10	64QAM	25	25	14.55	14.38	14.16	16.5	3		
10	64QAM	50	0	14.59	14.44	14.19	16.5	3		
Channel										
Frequency (MHz)										
5	QPSK	1	0	17.50	17.31	17.10	18.5	0		
5	QPSK	1	12	17.62	17.59	17.37	18.5	0		
5	QPSK	1	24	17.38	17.27	17.11	18.5	0		
5	QPSK	12	0	16.61	16.44	16.22	17.5	1		
5	QPSK	12	7	16.62	16.46	16.25	17.5	1		
5	QPSK	12	13	16.54	16.35	16.18	17.5	1		
5	QPSK	25	0	16.58	16.35	16.19	17.5	1		
5	16QAM	1	0	16.80	16.59	16.36	17.5	1		
5	16QAM	1	12	17.07	16.88	16.70	17.5	1		
5	16QAM	1	24	16.69	16.53	16.43	17.5	1		
5	16QAM	12	0	15.62	15.43	15.22	16.5	2		
5	16QAM	12	7	15.62	15.47	15.26	16.5	2		
5	16QAM	12	13	15.57	15.35	15.17	16.5	2		
5	16QAM	25	0	15.57	15.39	15.23	16.5	2		
5	64QAM	1	0	15.71	15.52	15.47	16.5	2		
5	64QAM	1	12	15.82	15.72	15.27	16.5	2		
5	64QAM	1	24	15.58	15.46	15.32	16.5	2		
5	64QAM	12	0	14.61	14.43	14.23	16.5	3		
5	64QAM	12	7	14.63	14.49	14.25	16.5	3		
5	64QAM	12	13	14.56	14.35	14.20	16.5	3		
5	64QAM	25	0	14.56	14.38	14.19	16.5	3		
Channel										
Frequency (MHz)										
3	QPSK	1	0	17.60	17.41	17.21	18.5	0		
3	QPSK	1	8	17.56	17.40	17.21	18.5	0		
3	QPSK	1	14	17.54	17.40	17.24	18.5	0		
3	QPSK	8	0	16.62	16.44	16.20	17.5	1		
3	QPSK	8	4	16.62	16.44	16.26	17.5	1		
3	QPSK	8	7	16.58	16.39	16.22	17.5	1		
3	QPSK	15	0	16.58	16.39	16.21	17.5	1		
3	16QAM	1	0	16.93	16.73	16.53	17.5	1		
3	16QAM	1	8	16.85	16.71	16.50	17.5	1		
3	16QAM	1	14	16.83	16.72	16.58	17.5	1		
3	16QAM	8	0	15.69	15.50	15.31	16.5	2		
3	16QAM	8	4	15.71	15.51	15.35	16.5	2		
3	16QAM	8	7	15.64	15.48	15.31	16.5	2		
3	16QAM	15	0	15.62	15.42	15.29	16.5	2		
3	64QAM	1	0	15.79	15.58	15.41	16.5	2		
3	64QAM	1	8	15.74	15.61	15.45	16.5	2		
3	64QAM	1	14	15.75	15.57	15.44	16.5	2		
3	64QAM	8	0	14.65	14.45	14.25	16.5	3		
3	64QAM	8	4	14.67	14.48	14.31	16.5	3		
3	64QAM	8	7	14.61	14.42	14.28	16.5	3		
3	64QAM	15	0	14.60	14.39	14.23	16.5	3		
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	17.53	17.35	17.18	18.5	0		
1.4	QPSK	1	3	17.57	17.48	17.35	18.5	0		
1.4	QPSK	1	5	17.54	17.38	17.19	18.5	0		
1.4	QPSK	3	0	16.63	16.43	16.27	17.5	1		
1.4	QPSK	3	1	17.60	17.53	17.34	17.5	1		
1.4	QPSK	3	3	17.63	17.46	17.30	17.5	1		
1.4	QPSK	6	0	16.61	16.43	16.23	17.5	1		
1.4	16QAM	1	0	16.84	16.64	16.46	17.5	1		
1.4	16QAM	1	3	16.99	16.76	16.61	17.5	1		
1.4	16QAM	1	5	16.85	16.66	16.49	17.5	1		
1.4	16QAM	3	0	16.65	16.47	16.30	17.5	1		
1.4	16QAM	3	1	16.71	16.53	16.32	17.5	1		
1.4	16QAM	3	3	16.63	16.45	16.31	17.5	1		
1.4	16QAM	6	0	15.72	15.53	15.37	16.5	2		
1.4	64QAM	1	0	15.73	15.54	15.37	16.5	2		
1.4	64QAM	1	3	15.87	15.62	15.52	16.5	2		
1.4	64QAM	1	5	15.74	15.53	15.38	16.5	2		
1.4	64QAM	3	0	15.74	15.55	15.39	16.5			



Band 7_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 20850	Power Middle Ch. / Freq. 21100	Power High Ch. / Freq. 21350	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	17.28	17.71	17.73	19	0	
20	QPSK	1	49	17.69	17.72	17.74			
20	QPSK	1	99	17.69	17.72	17.74			
20	QPSK	50	0	16.76	16.79	16.89			
20	QPSK	50	24	16.87	16.87	16.93			
20	QPSK	50	50	16.88	16.85	16.83			
20	QPSK	100	0	16.89	16.88	16.87			
20	16QAM	1	0	17.09	17.08	17.03			
20	16QAM	1	49	17.27	17.29	17.34			
20	16QAM	1	99	17.03	17.05	17.17			
20	16QAM	50	0	15.77	15.92	15.90			
20	16QAM	50	24	15.87	15.87	15.92			
20	16QAM	50	50	15.81	15.84	15.86			
20	16QAM	100	0	15.84	15.88	15.88			
20	64QAM	1	0	15.87	15.86	15.88			
20	64QAM	1	49	16.34	16.13	16.20			
20	64QAM	1	99	15.90	15.81	16.02			
20	64QAM	50	0	14.78	14.90	14.92			
20	64QAM	50	24	14.88	14.87	14.94			
20	64QAM	50	50	14.82	14.87	14.88			
20	64QAM	100	0	14.84	14.87	14.89			
Channel									
Frequency (MHz)									
15	QPSK	1	0	17.82	17.61	17.72	19	0	
15	QPSK	1	37	17.72	17.64	17.62			
15	QPSK	1	74	17.54	17.59	17.59			
15	QPSK	36	0	16.70	16.70	16.77			
15	QPSK	36	20	16.91	16.78	16.86			
15	QPSK	36	39	16.74	16.69	16.77			
15	QPSK	75	0	16.81	16.81	16.79			
15	16QAM	1	0	16.94	17.01	16.95			
15	16QAM	1	37	17.15	17.18	17.27			
15	16QAM	1	74	16.98	16.99	17.07			
15	16QAM	36	0	15.65	15.96	15.87			
15	16QAM	36	20	15.73	15.71	15.75			
15	16QAM	36	39	15.79	15.68	15.79			
15	16QAM	75	0	15.74	15.73	15.74			
15	64QAM	1	0	15.84	15.75	15.79			
15	64QAM	1	37	16.20	16.07	16.13			
15	64QAM	1	74	15.82	15.86	15.86			
15	64QAM	36	0	14.68	14.80	14.76			
15	64QAM	36	20	14.75	14.80	14.78			
15	64QAM	36	39	14.77	14.72	14.75			
15	64QAM	75	0	14.70	14.79	14.74			
Channel									
Frequency (MHz)									
10	QPSK	1	0	17.74	17.62	17.64	19	0	
10	QPSK	1	25	17.73	17.58	17.57			
10	QPSK	1	49	17.61	17.60	17.58			
10	QPSK	25	0	16.63	16.71	16.75			
10	QPSK	25	12	16.83	16.73	16.81			
10	QPSK	25	25	16.80	16.70	16.71			
10	QPSK	50	0	16.79	16.78	16.78			
10	16QAM	1	0	17.04	17.03	16.98			
10	16QAM	1	25	17.13	17.21	17.24			
10	16QAM	1	49	16.82	16.89	17.04			
10	16QAM	25	0	15.72	15.84	15.78			
10	16QAM	25	12	15.77	15.72	15.85			
10	16QAM	25	25	15.84	15.73	15.77			
10	16QAM	50	0	15.76	15.75	15.80			
10	64QAM	1	0	15.83	15.70	15.74			
10	64QAM	1	25	16.25	15.98	16.08			
10	64QAM	1	49	15.77	15.81	15.86			
10	64QAM	25	0	14.67	14.81	14.87			
10	64QAM	25	12	14.78	14.82	14.80			
10	64QAM	25	25	14.87	14.82	14.78			
10	64QAM	50	0	14.70	14.78	14.80			
Channel									
Frequency (MHz)									
5	QPSK	1	0	17.82	17.63	17.70	19	0	
5	QPSK	1	12	17.74	17.62	17.62			
5	QPSK	1	24	17.61	17.64	17.58			
5	QPSK	12	0	16.68	16.68	16.82			
5	QPSK	12	7	16.92	16.71	16.88			
5	QPSK	12	13	16.76	16.69	16.75			
5	QPSK	25	0	16.83	16.75	16.77			
5	16QAM	1	0	16.94	16.99	16.89			
5	16QAM	1	12	17.22	17.18	17.20			
5	16QAM	1	24	16.90	16.91	17.03			
5	16QAM	12	0	15.62	15.76	15.82			
5	16QAM	12	7	15.71	15.76	15.86			
5	16QAM	12	13	15.79	15.69	15.71			
5	16QAM	25	0	15.77	15.78	15.78			
5	64QAM	1	0	15.91	15.73	15.83			
5	64QAM	1	12	16.22	16.02	16.04			
5	64QAM	1	24	15.75	15.77	15.88			
5	64QAM	12	0	14.68	14.74	14.86			
5	64QAM	12	7	14.80	14.72	14.80			
5	64QAM	12	13	14.78	14.77	14.83			
5	64QAM	25	0	14.71	14.76	14.76			

Band 13_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 23230	Power Middle Ch. / Freq. 23330	Power High Ch. / Freq. 23430	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	21.81	21.84	21.87	23	0	
10	QPSK	1	25	21.81	21.84	21.87			
10	QPSK	1	49	21.81	21.84	21.87			
10	QPSK	25	0	20.67	20.67	20.67			
10	QPSK	25	12	20.68	20.68	20.68			
10	QPSK	25	25	20.64	20.64	20.64			
10	QPSK	50	0	20.67	20.67	20.67			
10	16QAM	1	0	20.92	20.92	20.92			
10	16QAM	1	25	21.05	21.05	21.05			
10	16QAM	1	49	20.91	20.91	20.91			
10	16QAM	25	0	19.89	19.89	19.89			
10	16QAM	25	12	19.70	19.70	19.70			
10	16QAM	25	25	19.68	19.68	19.68			
10	16QAM	50	0	19.70	19.70	19.70			
10	64QAM	1	0	19.76	19.76	19.76			
10	64QAM	1	25	19.90	19.90	19.90			
10	64QAM	1	49	19.75	19.75	19.75			
10	64QAM	25	0	18.69	18.69	18.69			
10	64QAM	25	12	18.71	18.71	18.71			
10	64QAM	25	25	18.86	18.86	18.86			
10	64QAM	50	0	18.88	18.88	18.88			
Channel									
Frequency (MHz)									
5	QPSK	1	0	21.41	21.51	21.42	23	0	
5	QPSK	1	12	21.82	21.84	21.87			
5	QPSK	1	24	21.51	21.46	21.44			
5	QPSK	12	0	20.59	20.58	20.55			
5	QPSK	12	7	20.54	20.62	20.62			
5	QPSK	12	13	20.48	20.55	20.55			
5	QPSK	25	0	20.53	20.52	20.57			
5	16QAM	1	0	20.83	20.87	20.82			
5	16QAM	1	12	20.99	20.99	20.96			
5	16QAM	1	24	20.80	20.81	20.80			
5	16QAM	12	0	19.55	19.60	19.60			
5	16QAM	12	7	19.81	19.65	19.64			
5	16QAM	12	13	19.56	19.62	19.59			
5	16QAM	25	0	19.80	19.83	19.58			
5	64QAM	1	0	19.67	19.66	19.65			
5	64QAM	1	12	19.75	19.83	19.79			
5	64QAM	1	24	19.63	19.59	19.66			
5	64QAM	12	0	18.61	18.56	18.64			
5	64QAM	12	7	18.63	18.56	18.57			
5	64QAM	12	13	18.51	18.54	18.53			
5	64QAM	25	0	18.83	18.82	18.57			

Band 25_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 26140	Power Middle Ch. / Freq. 26340	Power High Ch. / Freq. 26590	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	17.54	17.54	17.54	18.5	0	
20	QPSK	1	49	17.49	17.49	17.54			
20	QPSK	1	99	17.26	17.09	17.13			
20	QPSK	50	0	16.50	16.49	16.26			
20	QPSK	50	24	16.56	16.59	16.28			



Band 26_Ant 1 (FCC)											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 26765	Power Middle Ch. / Freq. 26865	Power High Ch. / Freq. 26965	Tune-up limit (dBm)	MPR (dB)			
Channel				26765	26865	26965					
Frequency (MHz)				32.15	331.5	341.5					
15	QPSK	1	0	20.54	20.67	20.80	22	0			
15	QPSK	1	37	20.45	20.65	20.51					
15	QPSK	1	74	20.49	20.52	20.59					
15	QPSK	36	0	19.62	19.59	19.68					
15	QPSK	36	20	19.68	19.75	19.73					
15	QPSK	36	39	19.64	19.64	19.71					
15	QPSK	75	0	19.52	19.60	19.58					
15	16QAM	1	0	19.86	19.82	19.83					
15	16QAM	1	37	19.99	20.07	20.17					
15	16QAM	1	74	19.81	19.92	19.96					
15	16QAM	36	0	19.59	19.56	19.57					
15	16QAM	36	20	18.66	18.62	18.72					
15	16QAM	36	39	18.60	18.61	18.72					
15	16QAM	75	0	18.64	18.60	18.70					
15	64QAM	1	0	18.94	18.66	18.72					
15	64QAM	1	37	18.96	18.93	19.20					
15	64QAM	1	74	18.70	18.69	18.89					
15	64QAM	36	0	17.55	17.58	17.67					
15	64QAM	36	20	17.64	17.63	17.75					
15	64QAM	36	39	17.81	17.63	17.71					
15	64QAM	75	0	17.58	17.53	17.65					
Channel				26740	26865	26990					
Frequency (MHz)				319	331.5	344					
10	QPSK	1	0	20.43	20.35	20.45	22	0			
10	QPSK	1	25	20.59	20.60	20.68					
10	QPSK	1	49	20.37	20.47	20.60					
10	QPSK	25	0	19.46	19.54	19.52					
10	QPSK	25	12	19.53	19.49	19.61					
10	QPSK	25	25	19.56	19.49	19.58					
10	QPSK	50	0	19.52	19.55	19.53					
10	16QAM	1	0	19.78	19.69	19.72					
10	16QAM	1	25	19.93	19.95	20.08					
10	16QAM	1	49	19.68	19.82	19.93					
10	16QAM	25	0	18.45	18.51	18.51					
10	16QAM	25	12	18.58	18.54	18.58					
10	16QAM	25	25	18.44	18.55	18.58					
10	16QAM	50	0	18.59	18.53	18.54					
10	64QAM	1	0	18.82	18.61	18.63					
10	64QAM	1	25	18.91	18.87	19.15					
10	64QAM	1	49	18.60	18.59	18.77					
10	64QAM	25	0	17.49	17.47	17.57					
10	64QAM	25	12	17.58	17.53	17.68					
10	64QAM	25	25	17.50	17.48	17.59					
10	64QAM	50	0	17.49	17.51	17.57					
Channel				26715	26865	27015					
Frequency (MHz)				316.5	331.5	346.5					
5	QPSK	1	0	20.42	20.36	20.45	22	0			
5	QPSK	1	12	20.59	20.59	20.65					
5	QPSK	1	24	20.38	20.41	20.59					
5	QPSK	12	0	19.46	19.46	19.56					
5	QPSK	12	7	19.53	19.58	19.61					
5	QPSK	12	13	19.49	19.52	19.68					
5	QPSK	25	0	19.48	19.52	19.63					
5	16QAM	1	0	19.78	19.72	19.78					
5	16QAM	1	12	19.86	19.96	20.04					
5	16QAM	1	24	19.76	19.86	19.91					
5	16QAM	12	0	18.48	18.43	18.53					
5	16QAM	12	7	18.55	18.54	18.56					
5	16QAM	12	13	18.55	18.47	18.66					
5	16QAM	25	0	18.53	18.49	18.62					
5	64QAM	1	0	18.80	18.60	18.61					
5	64QAM	1	12	18.80	18.87	19.07					
5	64QAM	1	24	18.57	18.57	18.73					
5	64QAM	12	0	17.43	17.51	17.61					
5	64QAM	12	7	17.55	17.51	17.64					
5	64QAM	12	13	17.47	17.51	17.63					
5	64QAM	25	0	17.43	17.48	17.50					
Channel				26705	26865	27025					
Frequency (MHz)				315.5	331.5	347.5					
3	QPSK	1	0	20.46	20.36	20.36	22	0			
3	QPSK	1	8	20.60	20.60	20.55					
3	QPSK	1	14	20.42	20.38	20.56					
3	QPSK	8	0	19.55	19.47	19.52					
3	QPSK	8	4	19.57	19.49	19.60					
3	QPSK	8	7	19.57	19.50	19.63					
3	QPSK	15	0	19.53	19.49	19.57					
3	16QAM	1	0	19.75	19.71	19.75					
3	16QAM	1	8	19.93	19.99	20.09					
3	16QAM	1	14	19.65	19.76	19.83					
3	16QAM	8	0	18.53	18.47	18.57					
3	16QAM	8	4	18.58	18.53	18.56					
3	16QAM	8	7	18.53	18.55	18.65					
3	16QAM	15	0	18.53	18.55	18.58					
3	64QAM	1	0	18.81	18.51	18.62					
3	64QAM	1	8	19.91	19.82	19.10					
3	64QAM	1	14	18.84	18.56	18.84					
3	64QAM	8	0	17.40	17.43	17.54					
3	64QAM	8	4	17.49	17.49	17.64					
3	64QAM	8	7	17.52	17.48	17.66					
3	64QAM	15	0	17.45	17.50	17.50					
Channel				26697	26865	27033					
Frequency (MHz)				314.7	331.5	348.3					
1.4	QPSK	1	0	20.45	20.31	20.45	22	0			
1.4	QPSK	1	3	20.59	20.61	20.55					
1.4	QPSK	1	5	20.33	20.36	20.54					
1.4	QPSK	3	0	20.36	20.18	20.29					
1.4	QPSK	3	1	20.48	20.51	20.40					
1.4	QPSK	3	3	20.20	20.24	20.46					
1.4	QPSK	6	0	19.56	19.47	19.56					
1.4	16QAM	1	0	19.73	19.75	19.73					
1.4	16QAM	1	3	19.92	19.94	20.09					
1.4	16QAM	1	5	19.66	19.85	19.84					
1.4	16QAM	3	0	19.67	19.61	19.67					
1.4	16QAM	3	1	19.87	19.88	19.94					
1.4	16QAM	3	3	19.58	19.71	19.71					
1.4	16QAM	6	0	18.54	18.50	18.55					
1.4	64QAM	1	0	18.86	18.53	18.58					
1.4	64QAM	1	3	18.80	18.83	19.05					
1.4	64QAM	1	5	18.54	18.53	18.74					
1.4	64QAM	3	0	18.75	18.38	18.47					
1.4	64QAM	3	1	18.65	18.74	18.95					
1.4	64QAM	3	3	18.45	18.47	18.59					
1.4	64QAM	6	0	17.53	17.44	17.52					

Band 66_Ant 1											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 132072	Power Middle Ch. / Freq. 132322	Power High Ch. / Freq. 132572	Tune-up limit (dBm)	MPR (dB)			
Channel				132072	132322	132572					
Frequency (MHz)				1720	1745	1770					
20	QPSK	1	0	17.84	18.04	17.78					
20	QPSK	1	49	17.83	17.94	17.74			19	0	
20	QPSK	1	99	17.67	17.51	17.36					
20	QPSK	50	0	16.95	16.91	16.74					
20	QPSK	50	24	16.97	16.88	16.77			18	1	
20	QPSK	50	50	16.86	16.77	16.47					
20	QPSK	100	0	16.89	16.95	16.61					
20	16QAM	1	0	17.18	17.21	16.97					
20	16QAM	1	49	17.38	17.30	17.08			18	1	
20	16QAM	1	99	17.03	16.87	16.70					
20	16QAM	50	0	16.05	15.94	15.77					
20	16QAM	50	24	15.99	15.94	15.71			17	2	
20	16QAM	50	50	15.87	15.81	15.50					
20	16QAM	100	0	15.91	15.89	15.63					
20	64QAM	1	0	16							



Band 2_Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 18700	Power Middle Ch. / Freq. 18900	Power High Ch. / Freq. 19100	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	15.78	15.78	15.78	17	0		
20	QPSK	1	49	16.43	16.27	16.01				
20	QPSK	1	99	16.08	15.75	15.76				
20	QPSK	50	0	15.48	15.17	15.04				
20	QPSK	50	24	15.39	15.21	14.95				
20	QPSK	50	50	15.33	14.96	14.88	16	1		
20	QPSK	100	0	15.42	15.03	14.95				
20	16QAM	1	0	15.64	15.45	15.12				
20	16QAM	1	49	15.78	15.57	15.49	16	1		
20	16QAM	1	99	15.33	15.07	15.10				
20	16QAM	50	0	14.48	14.18	14.06				
20	16QAM	50	24	14.38	14.19	13.98	15	2		
20	16QAM	50	50	14.32	13.96	13.86				
20	16QAM	100	0	14.39	14.01	13.95				
20	64QAM	1	0	14.84	14.30	14.02				
20	64QAM	1	49	14.62	14.35	14.16	15	2		
20	64QAM	1	99	14.18	14.02	13.98				
20	64QAM	50	0	13.46	13.15	13.04				
20	64QAM	50	24	13.39	13.17	12.95	14	3		
20	64QAM	50	50	13.31	12.95	12.88				
20	64QAM	100	0	13.40	13.04	12.94				
Channel										
Frequency (MHz)										
15	QPSK	1	0	16.40	16.01	15.78	17	0		
15	QPSK	1	37	16.33	16.16	15.88				
15	QPSK	1	74	15.94	15.68	15.65				
15	QPSK	36	0	15.43	15.07	14.94				
15	QPSK	36	20	15.34	15.11	14.81	16	1		
15	QPSK	36	39	15.26	14.88	14.76				
15	QPSK	75	0	15.36	14.97	14.88				
15	16QAM	1	0	15.57	15.35	15.05				
15	16QAM	1	37	15.22	15.01	14.99	16	1		
15	16QAM	1	74	15.27	14.98	15.03				
15	16QAM	36	0	14.34	14.03	13.97				
15	16QAM	36	20	14.24	14.14	13.87	15	2		
15	16QAM	36	39	14.26	13.90	13.75				
15	16QAM	75	0	14.34	13.93	13.82				
15	64QAM	1	0	14.68	14.17	13.96				
15	64QAM	1	37	14.52	14.26	14.03	15	2		
15	64QAM	1	74	14.11	13.88	13.89				
15	64QAM	36	0	13.40	13.06	12.97				
15	64QAM	36	20	13.31	12.95	12.88	14	3		
15	64QAM	36	39	13.17	12.85	12.73				
15	64QAM	75	0	13.32	12.90	12.88				
Channel										
Frequency (MHz)										
10	QPSK	1	0	16.40	16.03	15.75	17	0		
10	QPSK	1	25	16.27	16.13	15.96				
10	QPSK	1	49	15.96	15.61	15.65				
10	QPSK	25	0	15.33	15.02	14.93				
10	QPSK	25	12	15.31	15.10	14.87	16	1		
10	QPSK	25	25	15.19	14.87	14.72				
10	QPSK	50	0	15.32	14.93	14.83				
10	16QAM	1	0	15.26	14.97	15.04				
10	16QAM	1	25	15.73	15.49	15.44	16	1		
10	16QAM	1	49	15.19	14.93	14.95				
10	16QAM	25	0	14.35	14.11	13.91				
10	16QAM	25	12	14.24	14.05	13.86	15	2		
10	16QAM	25	25	14.25	13.82	13.75				
10	16QAM	50	0	14.23	13.92	13.84				
10	64QAM	1	0	14.68	14.24	13.97				
10	64QAM	1	25	14.57	14.27	14.04	15	2		
10	64QAM	1	49	14.02	13.89	13.93				
10	64QAM	25	0	13.27	13.07	12.98				
10	64QAM	25	12	13.27	13.10	12.87	14	3		
10	64QAM	25	25	13.26	12.83	12.83				
10	64QAM	50	0	13.24	12.95	12.85				
Channel										
Frequency (MHz)										
5	QPSK	1	0	16.30	16.03	15.80	17	0		
5	QPSK	1	12	16.27	16.12	15.91				
5	QPSK	1	24	15.95	15.66	15.69				
5	QPSK	12	0	15.43	15.03	14.99				
5	QPSK	12	7	15.23	15.13	14.88	16	1		
5	QPSK	12	13	15.26	15.07	14.76				
5	QPSK	25	0	15.26	14.90	14.87				
5	16QAM	1	0	15.49	15.39	14.96				
5	16QAM	1	12	15.64	15.41	15.37	16	1		
5	16QAM	1	24	15.19	14.96	14.95				
5	16QAM	12	0	14.35	14.13	13.95				
5	16QAM	12	7	14.32	14.13	13.82	15	2		
5	16QAM	12	13	14.25	13.82	13.75				
5	16QAM	25	0	14.26	13.95	13.82				
5	64QAM	1	0	14.70	14.25	13.87				
5	64QAM	1	12	14.52	14.25	14.06	15	2		
5	64QAM	1	24	14.05	13.86	13.92				
5	64QAM	12	0	13.40	13.02	12.98				
5	64QAM	12	7	13.23	13.06	12.86	14	3		
5	64QAM	12	13	13.18	12.79	12.82				
5	64QAM	25	0	13.35	12.95	12.85				
Channel										
Frequency (MHz)										
3	QPSK	1	0	16.37	15.99	15.69	17	0		
3	QPSK	1	8	16.37	16.13	15.92				
3	QPSK	1	14	15.95	15.67	15.70				
3	QPSK	8	0	15.41	15.06	14.89	16	1		
3	QPSK	8	4	15.33	15.08	14.80				
3	QPSK	8	7	15.24	14.88	14.72				
3	QPSK	15	0	15.29	14.95	14.82				
3	16QAM	1	0	15.54	15.35	15.01				
3	16QAM	1	8	15.63	15.41	15.34	16	1		
3	16QAM	1	14	15.24	14.98	14.98				
3	16QAM	8	0	14.43	14.11	13.94				
3	16QAM	8	4	14.22	14.12	13.90	15	2		
3	16QAM	8	7	14.18	13.90	13.77				
3	16QAM	15	0	14.29	13.88	13.88				
3	64QAM	1	0	14.72	14.17	13.91				
3	64QAM	1	8	14.56	14.30	14.03	15	2		
3	64QAM	1	14	14.06	13.92	13.83				
3	64QAM	8	0	13.31	13.08	12.93				
3	64QAM	8	4	13.25	13.11	12.88	14	3		
3	64QAM	8	7	13.21	12.89	12.82				
3	64QAM	15	0	13.26	12.97	12.88				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	16.40	15.99	15.79	17	0		
1.4	QPSK	1	3	16.38	16.22	15.93				
1.4	QPSK	1	5	15.98	15.61	15.63				
1.4	QPSK	3	0	16.29	16.06	15.86	16	1		
1.4	QPSK	3	1	16.29	16.06	15.86				
1.4	QPSK	3	3	15.82	15.48	15.48				
1.4	QPSK	6	0	15.30	14.96	14.87	16	1		
1.4	16QAM	1	0	15.50	15.31	15.02				
1.4	16QAM	1	3	15.73	15.50	15.37				
1.4	16QAM	1	5	15.17	14.98	15.05	16	1		
1.4	16QAM	3	0	15.44	15.15	14.87				
1.4	16QAM	3	1	15.62	15.38	15.32				
1.4	16QAM	3	1	15.62	15.37	14.97				
1.4	16QAM	6	0	14.23	13.94	13.83	15	2		
1.4	64QAM	1	0	14.76	14.25	13.86				
1.4	64QAM	1	3	14.57	14.23	14.00				
1.4	64QAM	1	5	14.12	13.86	13.89	15	2		
1.4	64QAM	3	0	14.63	14.15	13.75				
1.4	64QAM	3	1	14.43	14.13	13.89				
1.4	64QAM	3	3	14.00	13.76	13.73	14	3		
1.4	64QAM	6	0	13.28	12.92	12.84				

Band 7_Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 20850	Power Middle Ch. / Freq. 21100	Power High Ch. / Freq. 21350	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	13.43	13.38	13.21	14.5	0		
20	QPSK	1	49	13.41	13.34	13.19				
20	QPSK	1	99	13.18	13.18	13.04				
20	QPSK	50	0	12.25	12.34	12.25				
20	QPSK	50	24	12.45	12.36	12.35	13.5	1		
20	QPSK	50	50	12.33	12.35	12.20				
20	QPSK	100	0	12.39	12.34	12.23				
20	16QAM	1	0	12.63	12.51	12.38				
20	16QAM	1	49	12.74	12.74	12.66	13.5	1		
20	16QAM	1	99	12.51	12.51	12.33				
20	16QAM	50	0	11.26	11.34	11.24				
20	16QAM	50	24	11.33	11.35	11.19	12.5	2		
20	16QAM	50	50	11.33	11.32	11.20				
20	16QAM	100	0	11.29	11.33	11.21				
20	64QAM	1	0	11.45	11.35	11.25				
20	64QAM	1	49	11.55	11.81	11.49	12.5	2		
20	64QAM	1	99	11.36	11.34	11.20				
20	64QAM	50	0	10.31	10.39	10.33				
20	64QAM	50	24	10.40	10.40	10.29	11.5	3		
20	64QAM	50	50	10.37	10.41	10.24				



Band 38_Ant 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				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	19.56	19.31	19.29	20.5	0		
20	QPSK	1	49	19.51	19.55	19.54				
20	QPSK	1	99	19.38	19.43	19.44				
20	QPSK	50	0	18.66	18.45	18.58	19.5	1		
20	QPSK	50	24	18.71	18.53	18.68				
20	QPSK	50	50	18.46	18.55	18.54				
20	QPSK	100	0	18.62	18.46	18.58	19.5	1		
20	16QAM	1	0	18.76	18.59	18.56				
20	16QAM	1	49	19.01	18.93	18.95				
20	16QAM	1	99	18.75	18.85	18.70	18.5	2		
20	16QAM	50	0	17.70	17.62	17.58				
20	16QAM	50	24	17.88	17.72	17.80				
20	16QAM	50	50	17.67	17.67	17.69	18.5	2		
20	16QAM	100	0	17.86	17.62	17.67				
20	64QAM	1	0	17.57	17.47	17.61				
20	64QAM	1	49	17.85	17.73	17.90	17.5	3		
20	64QAM	1	99	17.61	17.60	17.55				
20	64QAM	50	0	16.56	16.61	16.67				
20	64QAM	50	24	16.71	16.67	16.72	20.5	0		
20	64QAM	50	50	16.66	16.64	16.74				
20	64QAM	100	0	16.58	16.59	16.63				
Channel				37825	38000	38175				
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	19.50	19.18	19.20	20.5	0		
15	QPSK	1	37	19.46	19.49	19.40				
15	QPSK	1	74	19.22	19.38	19.38				
15	QPSK	36	0	18.53	18.35	18.49	19.5	1		
15	QPSK	36	20	18.59	18.48	18.59				
15	QPSK	36	39	18.39	18.47	18.40				
15	QPSK	75	0	18.47	18.40	18.50	19.5	1		
15	16QAM	1	0	18.65	18.44	18.51				
15	16QAM	1	37	18.94	18.85	18.85				
15	16QAM	1	74	18.62	18.49	18.60	18.5	2		
15	16QAM	36	0	17.64	17.54	17.47				
15	16QAM	36	20	17.62	17.67	17.74				
15	16QAM	36	39	17.62	17.61	17.59	18.5	2		
15	16QAM	75	0	17.53	17.55	17.60				
15	64QAM	1	0	17.56	17.38	17.53				
15	64QAM	1	37	17.79	17.57	17.64	18.5	2		
15	64QAM	1	74	17.47	17.55	17.49				
15	64QAM	36	0	16.46	16.45	16.52				
15	64QAM	36	20	16.59	16.61	16.62	17.5	3		
15	64QAM	36	39	16.58	16.53	16.59				
15	64QAM	75	0	16.44	16.47	16.58				
Channel				37800	38000	38200				
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	19.40	19.20	19.15	20.5	0		
10	QPSK	1	25	19.42	19.43	19.39				
10	QPSK	1	49	19.31	19.31	19.37				
10	QPSK	25	0	18.59	18.33	18.42	19.5	1		
10	QPSK	25	12	18.60	18.43	18.52				
10	QPSK	25	25	18.35	18.53	18.43				
10	QPSK	50	0	18.47	18.40	18.47	19.5	1		
10	16QAM	1	0	18.54	18.46	18.51				
10	16QAM	1	25	18.90	18.77	18.90				
10	16QAM	1	49	18.63	18.52	18.62	18.5	2		
10	16QAM	25	0	17.57	17.46	17.47				
10	16QAM	25	12	17.53	17.61	17.68				
10	16QAM	25	25	17.62	17.51	17.63	18.5	2		
10	16QAM	50	0	17.55	17.48	17.59				
10	64QAM	1	0	17.59	17.33	17.54				
10	64QAM	1	25	17.79	17.61	17.74	18.5	2		
10	64QAM	1	49	17.50	17.52	17.46				
10	64QAM	25	0	16.47	16.51	16.55				
10	64QAM	25	12	16.65	16.60	16.60	17.5	3		
10	64QAM	25	25	16.57	16.55	16.58				
10	64QAM	50	0	16.52	16.44	16.57				
Channel				37775	38000	38225				
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	19.44	19.20	19.18	20.5	0		
5	QPSK	1	12	19.46	19.39	19.44				
5	QPSK	1	24	19.33	19.32	19.32				
5	QPSK	12	0	18.57	18.34	18.44	19.5	1		
5	QPSK	12	7	18.56	18.38	18.61				
5	QPSK	12	13	18.41	18.50	18.46				
5	QPSK	25	0	18.48	18.41	18.53	19.5	1		
5	16QAM	1	0	18.62	18.45	18.61				
5	16QAM	1	12	18.90	18.84	18.81				
5	16QAM	1	24	18.69	18.53	18.57	18.5	2		
5	16QAM	12	0	17.54	17.50	17.50				
5	16QAM	12	7	17.63	17.57	17.66				
5	16QAM	12	13	17.55	17.57	17.64	18.5	2		
5	16QAM	25	0	17.59	17.53	17.53				
5	64QAM	1	0	17.59	17.34	17.50				
5	64QAM	1	12	17.70	17.67	17.78	18.5	2		
5	64QAM	1	24	17.46	17.52	17.45				
5	64QAM	12	0	16.40	16.48	16.51				
5	64QAM	12	7	16.63	16.55	16.61	17.5	3		
5	64QAM	12	13	16.52	16.51	16.61				
5	64QAM	25	0	16.45	16.54	16.55				

Band 41_Ant 1												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	19.45	19.48	19.30	19.43	19.41	20.5	0		
20	QPSK	1	49	19.39	19.32	19.22	19.23	19.28				
20	QPSK	1	99	19.26	19.22	19.19	19.29	19.25				
20	QPSK	50	0	18.62	18.64	18.44	18.55	18.61	19.5	1		
20	QPSK	50	24	18.67	18.69	18.53	18.59	18.63				
20	QPSK	50	50	18.55	18.56	18.45	18.57	18.54				
20	QPSK	100	0	18.66	18.69	18.60	18.65	18.61	19.5	1		
20	16QAM	1	0	18.76	18.62	18.52	18.54	18.65				
20	16QAM	1	49	19.07	18.97	18.85	18.95	18.95				
20	16QAM	1	99	18.68	18.84	18.97	18.73	18.88	18.5	2		
20	16QAM	50	0	17.72	17.67	17.47	17.57	17.63				
20	16QAM	50	24	17.81	17.69	17.53	17.59	17.65				
20	16QAM	50	50	17.74	17.56	17.50	17.55	17.54	18.5	2		
20	16QAM	100	0	17.78	17.67	17.55	17.63	17.66				
20	64QAM	1	0	17.43	17.25	17.23	17.29	17.32				
20	64QAM	1	49	17.72	17.66	17.56	17.61	17.62	18.5	2		
20	64QAM	1	99	17.35	17.30	17.29	17.25	17.33				
20	64QAM	50	0	16.66	16.63	16.44	16.52	16.57				
20	64QAM	50	24	16.76	16.58	16.51	16.56	16.64	17.5	3		
20	64QAM	50	50	16.75	16.55	16.48	16.54	16.52				
20	64QAM	100	0	16.76	16.63	16.48	16.57	16.62				
Channel				39725	40173	40620	41068	41515				
Frequency (MHz)				2503.5	2548.3	2593	2637.4	2682.5				
15	QPSK	1	0	19.47	19.31	19.22	19.29	19.32	20.5	0		
15	QPSK	1	37	19.23	19.17	19.18	19.16	19.23				
15	QPSK	1	74	19.12	19.14	19.13	19.18	19.18				
15	QPSK	36	0	18.60	18.55	18.31	18.50	18.49	19.5	1		
15	QPSK	36	20	18.72	18.64	18.39	18.52	18.51				
15	QPSK	36	39	18.60	18.43	18.50	18.43	18.47				
15	QPSK	75	0	18.64	18.63	18.49	18.59	18.56	19.5	1		
15	16QAM	1	0	18.63	18.46	18.41	18.38	18.60				
15	16QAM	1	37	18.95	18.83	18.76	18.86	18.90				
15	16QAM	1	74	18.54	18.50	18.85	18.57	18.52	18.5	2		
15	16QAM	36	0	17.56	17.56	17.36	17.46	17.48				
15	16QAM	36	20	17.71	17.54	17.37	17.44	17.54				
15	16QAM	36	39	17.65	17.48	17.43	17.45	17.42	18.5			



Band 41_Ant 1 (HUPE)											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Low Middle Ch / Freq.	Power Middle Ch / Freq.	Power High Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40620	41055	41490			
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	21.44	21.51	21.41	21.40	21.42	22.5	0	
20	QPSK	1	49	21.42	21.39	21.32	21.36	21.30			
20	QPSK	1	99	21.32	21.34	21.35	21.38	21.34			
20	QPSK	50	0	20.72	20.69	20.63	20.71	20.68	21.5	1	
20	QPSK	50	24	20.83	20.84	20.66	20.74	20.70			
20	QPSK	50	50	20.82	20.66	20.59	20.73	20.60			
20	16QAM	100	0	20.60	20.66	20.58	20.59	20.56	21.5	1	
20	16QAM	1	0	20.98	20.72	20.75	20.78	20.73			
20	16QAM	1	49	21.16	21.04	20.94	21.00	21.05			
20	16QAM	1	99	20.90	20.79	20.83	20.87	20.73	20.5	2	
20	16QAM	50	0	19.70	19.70	19.66	19.68	19.80			
20	16QAM	50	24	19.81	19.72	19.71	19.80	19.85			
20	16QAM	50	50	19.80	19.63	19.65	19.77	19.74	20.5	2	
20	16QAM	100	0	19.86	18.72	19.72	19.68	19.68			
20	64QAM	1	0	19.84	19.65	19.62	19.63	19.66			
20	64QAM	1	49	19.99	19.91	19.73	19.86	19.88	20.5	2	
20	64QAM	1	99	19.76	19.57	19.62	19.74	19.66			
20	64QAM	50	0	18.77	18.86	18.70	18.81	18.85			
20	64QAM	50	24	18.88	18.81	18.74	18.81	18.82	19.5	3	
20	64QAM	50	50	18.90	18.71	18.74	18.70	18.78			
20	64QAM	100	0	18.85	18.80	18.72	18.77	18.81			
Channel				39725	40173	40620	41088	41515	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2549.3	2593	2637.3	2682.5			
15	QPSK	1	0	21.36	21.42	21.33	21.48	21.46	22.50	0	
15	QPSK	1	37	21.35	21.45	21.41	21.49	21.34			
15	QPSK	1	74	21.43	21.39	21.43	21.43	21.39			
15	QPSK	36	0	20.67	20.56	20.48	20.65	20.62	21.5	1	
15	QPSK	36	20	20.75	20.65	20.51	20.66	20.56			
15	QPSK	36	39	20.70	20.59	20.56	20.67	20.64			
15	QPSK	75	0	20.62	20.61	20.60	20.62	20.67	21.5	1	
15	16QAM	1	0	20.83	20.61	20.64	20.73	20.65			
15	16QAM	1	37	21.00	20.91	20.81	20.88	20.98			
15	16QAM	1	74	20.81	20.66	20.77	20.78	20.58	20.5	2	
15	16QAM	36	0	19.57	19.57	19.54	19.60	19.68			
15	16QAM	36	20	19.69	19.63	19.63	19.74	19.71			
15	16QAM	36	39	19.74	19.51	19.58	19.72	19.60	20.5	2	
15	16QAM	75	0	19.79	19.62	19.63	19.63	19.55			
15	64QAM	1	0	19.69	19.49	19.53	19.57	19.59			
15	64QAM	1	37	19.85	19.62	19.66	19.71	19.76	20.5	2	
15	64QAM	1	74	19.64	19.49	19.48	19.61	19.50			
15	64QAM	36	0	18.67	18.77	18.64	18.69	18.78			
15	64QAM	36	20	18.80	18.72	18.66	18.76	18.71	19.5	3	
15	64QAM	36	39	18.74	18.55	18.58	18.65	18.67			
15	64QAM	75	0	18.78	18.67	18.59	18.67	18.70			
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501	2547	2593	2639	2686			
10	QPSK	1	0	21.39	21.45	21.33	21.34	21.33	22.50	0	
10	QPSK	1	25	21.33	21.32	21.46	21.48	21.42			
10	QPSK	1	49	21.43	21.45	21.49	21.48	21.43			
10	QPSK	25	0	20.64	20.64	20.57	20.55	20.67	21.5	1	
10	QPSK	25	12	20.74	20.64	20.61	20.66	20.64			
10	QPSK	25	25	20.70	20.59	20.56	20.64	20.56			
10	QPSK	50	0	20.60	20.55	20.61	20.62	20.68	21.5	1	
10	16QAM	1	0	20.90	20.63	20.69	20.70	20.64			
10	16QAM	1	25	21.06	20.98	20.61	20.84	20.99			
10	16QAM	1	49	20.77	20.73	20.74	20.82	20.57	20.5	2	
10	16QAM	25	0	19.61	19.62	19.50	19.57	19.67			
10	16QAM	25	12	19.72	19.59	19.66	19.69	19.79			
10	16QAM	25	25	19.70	19.56	19.59	19.69	19.67	20.5	2	
10	16QAM	50	0	19.74	19.67	19.66	19.57	19.52			
10	64QAM	1	0	19.76	19.55	19.55	19.49	19.51			
10	64QAM	1	25	19.86	19.66	19.59	19.75	19.72	20.5	2	
10	64QAM	1	49	19.61	19.62	19.48	19.59	19.55			
10	64QAM	25	0	18.70	18.61	18.64	18.74	18.75			
10	64QAM	25	12	18.73	18.71	18.60	18.67	18.72	19.5	3	
10	64QAM	25	25	18.80	18.55	18.58	18.58	18.62			
10	64QAM	50	0	18.72	18.75	18.60	18.72	18.71			
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5			
5	QPSK	1	0	21.39	21.40	21.31	21.47	21.37	22.50	0	
5	QPSK	1	12	21.35	21.32	21.43	21.31	21.45			
5	QPSK	1	24	21.37	21.49	21.48	21.45	21.42			
5	QPSK	12	0	20.56	20.62	20.52	20.60	20.62	21.5	1	
5	QPSK	12	7	20.71	20.73	20.52	20.64	20.56			
5	QPSK	12	13	20.69	20.50	20.62	20.58	20.61			
5	QPSK	25	0	20.54	20.53	20.53	20.60	20.71	21.5	1	
5	16QAM	1	0	20.91	20.56	20.65	20.69	20.62			
5	16QAM	1	12	21.04	20.91	20.84	20.90	20.99			
5	16QAM	1	24	20.75	20.70	20.70	20.78	20.60	20.5	2	
5	16QAM	12	0	19.61	19.61	19.33	19.56	19.64			
5	16QAM	12	7	19.75	19.57	19.58	19.71	19.69			
5	16QAM	12	13	19.65	19.53	19.59	19.65	19.65	20.5	2	
5	16QAM	25	0	19.72	19.61	19.56	19.57	19.57			
5	64QAM	1	0	19.77	19.50	19.51	19.56	19.56			
5	64QAM	1	12	19.91	19.79	19.62	19.74	19.78	20.5	2	
5	64QAM	1	24	19.66	19.48	19.56	19.67	19.58			
5	64QAM	12	0	18.65	18.72	18.58	18.65	18.73			
5	64QAM	12	7	18.79	18.67	18.65	18.68	18.77	19.5	3	
5	64QAM	12	13	18.82	18.55	18.58	18.56	18.73			
5	64QAM	25	0	18.69	18.70	18.59	18.70	18.76			



Band 38_Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	14.37	13.91	14.01	15.5	0		
20	QPSK	1	49	14.34	14.18	14.19				
20	QPSK	1	99	14.04	13.96	13.87				
20	QPSK	50	0	13.31	13.17	13.16	14.5	1		
20	QPSK	50	24	13.33	13.23	13.21				
20	QPSK	50	50	13.25	13.16	13.10				
20	QPSK	100	0	13.29	13.18	13.06	14.5	1		
20	16QAM	1	0	13.48	13.28	13.18				
20	16QAM	1	49	13.61	13.52	13.49				
20	16QAM	1	99	13.27	13.34	13.20	13.5	2		
20	16QAM	50	0	12.38	12.26	12.19				
20	16QAM	50	24	12.44	12.28	12.15				
20	16QAM	50	50	12.28	12.28	12.23	13.5	2		
20	16QAM	100	0	12.30	12.22	12.20				
20	16QAM	100	0	12.30	12.09	12.11				
20	64QAM	1	49	12.50	12.39	12.32	13.5	2		
20	64QAM	1	99	12.18	12.18	12.01				
20	64QAM	50	0	11.26	11.17	11.15				
20	64QAM	50	24	11.37	11.26	11.22	12.5	3		
20	64QAM	50	50	11.29	11.16	11.06				
20	64QAM	100	0	11.33	11.20	11.13				
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2617.5	2605	2612.5				
15	QPSK	1	0	14.02	13.77	13.89	15.5	0		
15	QPSK	1	37	14.19	14.10	14.04				
15	QPSK	1	74	13.91	13.81	13.74				
15	QPSK	36	0	13.16	13.07	13.07	14.5	1		
15	QPSK	36	20	13.18	13.10	13.11				
15	QPSK	36	39	13.14	13.10	13.09				
15	QPSK	75	0	13.13	13.13	12.99	14.5	1		
15	16QAM	1	0	13.40	13.22	13.02				
15	16QAM	1	37	13.56	13.36	13.44				
15	16QAM	1	74	13.21	13.19	13.14	13.5	2		
15	16QAM	36	0	12.33	12.18	12.06				
15	16QAM	36	20	12.33	12.23	12.01				
15	16QAM	36	39	12.23	12.20	12.08	13.5	2		
15	16QAM	75	0	12.14	12.07	12.06				
15	64QAM	1	0	12.16	11.97	12.01				
15	64QAM	1	37	12.35	12.23	12.27	13.5	2		
15	64QAM	1	74	12.12	12.08	11.91				
15	64QAM	36	0	11.11	11.03	11.01				
15	64QAM	36	20	11.25	11.19	11.12	12.5	3		
15	64QAM	36	39	11.13	11.10	10.99				
15	64QAM	75	0	11.28	11.09	10.99				
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	14.12	13.80	13.89	15.5	0		
10	QPSK	1	25	14.28	14.08	14.05				
10	QPSK	1	49	13.97	13.84	13.77				
10	QPSK	25	0	13.19	13.01	13.06	14.5	1		
10	QPSK	25	12	13.27	13.16	13.13				
10	QPSK	25	25	13.20	13.07	13.08				
10	QPSK	50	0	13.24	13.11	12.98	14.5	1		
10	16QAM	1	0	13.34	13.15	13.12				
10	16QAM	1	25	13.51	13.45	13.37				
10	16QAM	1	49	13.11	13.21	13.13	13.5	2		
10	16QAM	25	0	12.30	12.18	12.12				
10	16QAM	25	12	12.30	12.12	12.04				
10	16QAM	25	25	12.15	12.21	12.07	13.5	2		
10	16QAM	50	0	12.22	12.12	12.05				
10	64QAM	1	0	12.21	11.94	12.04				
10	64QAM	1	25	12.36	12.29	12.23	13.5	2		
10	64QAM	1	49	12.05	12.03	11.93				
10	64QAM	25	0	11.18	11.10	11.05				
10	64QAM	25	12	11.31	11.17	11.16	12.5	3		
10	64QAM	25	25	11.19	11.04	10.92				
10	64QAM	50	0	11.25	11.07	10.97				
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	14.05	13.75	13.87	15.5	0		
5	QPSK	1	12	14.20	14.07	14.04				
5	QPSK	1	24	13.90	13.89	13.71				
5	QPSK	12	0	13.15	13.09	13.11	14.5	1		
5	QPSK	12	7	13.26	13.08	13.11				
5	QPSK	12	13	13.16	13.00	13.14				
5	QPSK	25	0	13.14	13.06	13.01	14.5	1		
5	16QAM	1	0	13.43	13.18	13.03				
5	16QAM	1	12	13.56	13.44	13.42				
5	16QAM	1	24	13.21	13.20	13.11	13.5	2		
5	16QAM	12	0	12.28	12.20	12.14				
5	16QAM	12	7	12.36	12.19	12.09				
5	16QAM	12	13	12.16	12.18	12.17	13.5	2		
5	16QAM	25	0	12.18	12.10	12.12				
5	64QAM	1	0	12.16	11.97	11.96				
5	64QAM	1	12	12.34	12.28	12.25	13.5	2		
5	64QAM	1	24	12.10	12.10	11.91				
5	64QAM	12	0	11.10	11.02	11.07				
5	64QAM	12	7	11.32	11.19	11.06	12.5	3		
5	64QAM	12	13	11.18	11.10	10.98				
5	64QAM	25	0	11.18	11.09	10.99				

Band 41_Ant 2												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	14.36	14.46	14.37	14.44	14.34	15.5	0		
20	QPSK	1	49	14.35	14.38	14.35	14.35	14.33				
20	QPSK	1	99	14.32	14.26	14.27	14.38	14.27				
20	QPSK	50	0	13.67	13.71	13.72	13.67	13.60	14.5	1		
20	QPSK	50	24	13.74	13.81	13.76	13.73	13.77				
20	QPSK	50	50	13.68	13.69	13.73	13.62	13.74				
20	QPSK	100	0	13.63	13.70	13.63	13.68	13.58	14.5	1		
20	16QAM	1	0	13.93	13.74	13.65	13.74	13.77				
20	16QAM	1	49	14.12	13.94	14.00	14.04	13.98				
20	16QAM	1	99	13.90	13.74	13.73	13.86	13.87	13.5	2		
20	16QAM	50	0	12.92	12.73	12.73	12.81	12.84				
20	16QAM	50	24	12.98	12.74	12.79	12.88	12.80				
20	16QAM	50	50	12.94	12.74	12.76	12.85	12.79	13.5	2		
20	16QAM	100	0	12.84	12.71	12.74	12.82	12.81				
20	64QAM	1	0	12.79	12.58	12.54	12.65	12.67				
20	64QAM	1	49	13.01	12.82	12.83	12.91	12.87	13.5	2		
20	64QAM	1	99	12.72	12.62	12.61	12.75	12.62				
20	64QAM	50	0	11.96	11.77	11.74	11.85	11.88				
20	64QAM	50	24	12.05	11.80	11.82	11.89	11.91	12.5	3		
20	64QAM	50	50	11.98	11.76	11.78	11.90	11.86				
20	64QAM	100	0	12.01	11.76	11.81	11.86	11.87				
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2503.5	2548.3	2592	2637.2	2682.5				
15	QPSK	1	0	14.30	14.38	14.27	14.32	14.20	16	0		
15	QPSK	1	37	14.21	14.23	14.36	14.28	14.28				
15	QPSK	1	74	14.27	14.14	14.15	14.23	14.19				
15	QPSK	36	0	13.74	13.61	13.58	13.68	13.64	14.5	1		
15	QPSK	36	20	13.89	13.55	13.65	13.74	13.66				
15	QPSK	36	39	13.78	13.56	13.68	13.77	13.67				
15	QPSK	75	0	13.79	13.62	13.65	13.64	13.73	14.5	1		
15	16QAM	1	0	13.80	13.59	13.49	13.66	13.64				
15	16QAM	1	37	13.97	13.88	13.93	13.89	13.85				
15	16QAM	1	74	13.81	13.66	13.63	13.77	13.78	13.5	2		
15	16QAM	36	0	12.77	12.58	12.57	12.74	12.71				
15	16QAM	36	20	12.86	12.69	12.65	12.78	12.75				
15	16QAM	36	39	12.83	12.69							



Band 41_Ant 2(HUPE)												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	16.27	16.47	16.20	15.99	15.99	17.5	0		
20	QPSK	1	49	16.23	16.45	16.19	15.93	15.89				
20	QPSK	1	99	16.20	16.20	16.04	15.87	15.84				
20	QPSK	50	0	15.51	15.51	15.26	15.17	15.15				
20	QPSK	50	24	15.56	15.84	15.28	15.21	15.23				
20	16QAM	50	0	15.51	15.45	15.27	15.13	15.16	16.5	1		
20	QPSK	100	0	15.52	15.57	15.22	15.15	15.16				
20	16QAM	1	0	15.71	15.60	15.43	15.30	15.18				
20	16QAM	1	49	15.88	15.85	15.66	15.46	15.43				
20	16QAM	1	99	15.65	15.60	15.43	15.30	15.21				
20	16QAM	50	0	14.58	14.49	14.31	14.20	14.11	15.5	2		
20	16QAM	50	24	14.69	14.59	14.31	14.14	14.21				
20	16QAM	50	50	14.69	14.54	14.37	14.17	14.15				
20	16QAM	100	0	14.65	14.54	14.27	14.17	14.18				
20	64QAM	1	0	14.50	14.43	14.12	14.04	14.04				
20	64QAM	1	49	14.74	14.69	14.45	14.23	14.29	15.5	2		
20	64QAM	1	99	14.59	14.40	14.15	14.08	14.03				
20	64QAM	50	0	13.51	13.50	13.24	13.19	13.13				
20	64QAM	50	24	13.66	13.47	13.29	13.08	13.18				
20	64QAM	50	50	13.63	13.46	13.23	13.12	13.11				
20	64QAM	100	0	13.60	13.50	13.23	13.16	13.15	14.5	3		
Channel				39725	40173	40620	41088	41515				
Frequency (MHz)				2503.5	2548.3	2593	2637.3	2682.5				
15	QPSK	1	0	16.22	16.35	15.87	15.73	15.71			18	0
15	QPSK	1	37	16.34	16.39	16.04	16.02	16.00				
15	QPSK	1	74	16.15	16.13	15.99	15.74	15.72				
15	QPSK	36	0	15.41	15.43	15.15	15.04	14.99				
15	QPSK	36	20	15.49	15.38	15.13	15.13	15.08				
15	QPSK	36	39	15.45	15.40	15.16	15.08	15.06	16.5	1		
15	QPSK	75	0	15.49	15.37	15.15	15.10	15.01				
15	16QAM	1	0	15.83	15.52	15.34	15.16	15.05				
15	16QAM	1	37	15.80	15.77	15.59	15.31	15.29				
15	16QAM	1	74	15.54	15.44	15.37	15.18	15.15				
15	16QAM	36	0	14.42	14.37	14.19	14.11	14.03	15.5	2		
15	16QAM	36	20	14.53	14.47	14.21	14.07	14.11				
15	16QAM	36	39	14.61	14.38	14.30	14.03	14.00				
15	16QAM	75	0	14.56	14.49	14.11	14.04	14.10				
15	64QAM	1	0	14.43	14.31	13.98	13.94	13.99				
15	64QAM	1	37	14.67	14.59	14.33	14.11	14.22	15.5	2		
15	64QAM	1	74	14.54	14.25	14.07	14.03	13.98				
15	64QAM	36	0	13.42	13.39	13.14	13.06	12.99				
15	64QAM	36	20	13.56	13.39	13.17	12.93	13.10				
15	64QAM	36	39	13.57	13.34	13.08	13.02	12.99				
15	64QAM	75	0	13.46	13.35	13.18	13.06	13.00	14.5	3		
Channel				39700	40160	40620	41080	41540				
Frequency (MHz)				2501	2547	2593	2639	2685				
10	QPSK	1	0	16.15	16.35	15.84	15.65	15.64			18	0
10	QPSK	1	25	16.32	16.40	16.03	15.99	16.03				
10	QPSK	1	49	16.14	16.13	15.96	15.74	15.72				
10	QPSK	25	0	15.46	15.38	15.15	15.09	15.06				
10	QPSK	25	12	15.42	15.49	15.17	15.06	14.99				
10	QPSK	25	25	15.42	15.39	15.18	15.07	15.08	16.5	1		
10	QPSK	50	0	15.48	15.36	15.13	15.06	15.02				
10	16QAM	1	0	15.60	15.52	15.29	15.14	15.03				
10	16QAM	1	25	15.73	15.80	15.50	15.39	15.28				
10	16QAM	1	49	15.51	15.55	15.30	15.22	15.08				
10	16QAM	25	0	14.48	14.35	14.25	14.06	14.04	15.5	2		
10	16QAM	25	12	14.58	14.51	14.16	14.00	14.07				
10	16QAM	25	25	14.59	14.39	14.24	14.12	13.99				
10	16QAM	50	0	14.58	14.49	14.13	14.06	14.12				
10	64QAM	1	0	14.37	14.34	13.97	13.90	13.92				
10	64QAM	1	25	14.59	14.61	14.35	14.13	14.20	15.5	2		
10	64QAM	1	49	14.46	14.24	14.09	14.00	13.94				
10	64QAM	25	0	13.39	13.43	13.15	13.04	12.97				
10	64QAM	25	12	13.59	13.33	13.21	13.02	13.07				
10	64QAM	25	25	13.49	13.33	13.15	12.99	13.00				
10	64QAM	50	0	13.44	13.34	13.18	13.06	13.10	14.5	3		
Channel				39675	40148	40620	41093	41565				
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5				
5	QPSK	1	0	16.19	16.34	15.93	15.72	15.66			18	0
5	QPSK	1	12	16.36	16.39	16.09	16.05	16.03				
5	QPSK	1	24	16.16	16.13	15.94	15.81	15.79				
5	QPSK	12	0	15.37	15.44	15.10	15.04	15.05				
5	QPSK	12	7	15.41	15.42	15.17	15.08	15.08				
5	QPSK	12	13	15.43	15.34	15.16	15.06	15.00	16.5	1		
5	QPSK	25	0	15.52	15.41	15.13	15.06	15.01				
5	16QAM	1	0	15.66	15.54	15.35	15.24	15.04				
5	16QAM	1	12	15.83	15.72	15.55	15.38	15.31				
5	16QAM	1	24	15.56	15.55	15.35	15.14	15.11				
5	16QAM	12	0	14.43	14.41	14.25	14.04	13.97	15.5	2		
5	16QAM	12	7	14.59	14.50	14.18	14.07	14.15				
5	16QAM	12	13	14.64	14.46	14.22	14.01	14.01				
5	16QAM	25	0	14.50	14.40	14.11	14.09	14.06				
5	64QAM	1	0	14.35	14.27	14.06	13.93	13.93				
5	64QAM	1	12	14.63	14.62	14.34	14.14	14.23	15.5	2		
5	64QAM	1	24	14.46	14.34	14.00	13.99	13.95				
5	64QAM	12	0	13.35	13.39	13.19	13.03	13.00				
5	64QAM	12	7	13.58	13.38	13.16	12.97	13.12				
5	64QAM	12	13	13.54	13.37	13.08	12.99	12.99				
5	64QAM	25	0	13.47	13.36	13.14	13.07	13.04	14.5	3		



Reduced Power Mode for WWAN for Handheld On

GSM1900_Ant 1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)	1850.2	1880	1909.8	25.00	14.73	14.30	14.15	16.00
GSM 1 Tx slot	23.73	23.30	23.15	25.00	14.73	14.30	14.15	16.00
GPRS 1 Tx slot	23.71	23.41	23.33	25.00	14.71	14.41	14.33	16.00
GPRS 2 Tx slots	23.11	22.75	22.54	24.50	17.11	16.75	16.54	18.50
GPRS 3 Tx slots	21.28	21.06	21.03	23.00	17.02	16.80	16.77	18.74
GPRS 4 Tx slots	20.37	20.19	20.07	22.00	17.37	17.19	17.07	19.00
EDGE 1 Tx slot	19.91	19.89	20.01	21.50	10.91	10.89	11.01	12.50
EDGE 2 Tx slots	18.55	18.96	19.13	20.50	12.95	12.96	13.13	14.50
EDGE 3 Tx slots	17.08	17.14	17.27	19.00	12.80	12.88	13.01	14.74
EDGE 4 Tx slots	16.23	16.09	16.30	18.00	13.23	13.09	13.30	15.00

Band	WCDMA I_Ant 1			Tune-up Limit (dBm)	WCDMA IV_Ant 1			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	
TX Channel	9662	9800	9938		1537	1638	1738	
Rx Channel	9662	9800	9938		1537	1638	1738	
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99 AMR 12.2Kbps	19.96	19.67	19.43	20.50	20.48	20.40	20.39	21.50
3GPP Rel 99 RMC 12.2Kbps	19.98	19.75	19.70	20.50	20.52	20.63	20.58	21.50
3GPP Rel 6 HSDPA Subtest-1	18.70	18.53	18.34	19.50	19.60	19.66	19.49	20.50
3GPP Rel 6 HSDPA Subtest-2	18.55	18.40	18.15	19.50	19.59	19.58	19.48	20.50
3GPP Rel 6 HSDPA Subtest-3	18.08	17.89	17.64	19.00	19.10	19.00	18.95	20.00
3GPP Rel 6 HSDPA Subtest-4	18.18	17.81	17.57	19.00	19.09	18.98	18.93	20.00
3GPP Rel 8 DC-HSDPA Subtest-1	18.63	18.43	18.33	19.50	19.62	19.56	19.54	20.50
3GPP Rel 8 DC-HSDPA Subtest-2	18.67	18.49	18.33	19.50	19.58	19.54	19.51	20.50
3GPP Rel 8 DC-HSDPA Subtest-3	18.23	17.90	17.83	19.00	19.06	19.10	18.98	20.00
3GPP Rel 8 DC-HSDPA Subtest-4	18.11	17.97	17.83	19.00	19.04	19.10	19.04	20.00
3GPP Rel 6 HSUPA Subtest-1	16.66	16.58	16.52	18.50	17.67	17.69	18.10	19.50
3GPP Rel 6 HSUPA Subtest-2	16.69	16.48	16.21	17.50	17.55	17.67	17.52	18.50
3GPP Rel 6 HSUPA Subtest-3	17.66	17.49	17.29	18.50	18.54	18.59	18.51	19.50
3GPP Rel 6 HSUPA Subtest-4	16.24	16.03	15.88	17.50	16.64	16.66	17.00	18.50
3GPP Rel 6 HSUPA Subtest-5	17.56	17.50	17.60	19.50	19.07	18.54	18.51	20.50
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	16.22	16.00	15.90	17.00	16.66	16.67	16.66	18.00



GSM1900_Ant 2	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1852.2	1830	1809.8		1852.2	1830	1809.8	
GSM 1 Tx slot	23.89	23.41	23.12	24.50	14.89	14.41	14.12	15.50
GPRS 1 Tx slot	23.80	23.30	23.09	24.50	14.80	14.30	14.09	15.50
GPRS 2 Tx slots	23.02	22.56	22.32	23.50	17.02	16.56	16.32	17.50
GPRS 3 Tx slots	21.18	20.59	20.35	22.00	16.92	16.33	16.09	17.74
GPRS 4 Tx slots	20.21	19.59	19.62	21.00	17.21	16.59	16.62	18.00
EDGE 1 Tx slot	20.42	19.82	20.17	21.00	11.42	10.82	11.17	12.00
EDGE 2 Tx slots	19.08	18.81	18.98	20.50	13.08	12.81	12.98	14.50
EDGE 3 Tx slots	17.58	17.00	17.19	18.50	13.32	12.74	12.93	14.24
EDGE 4 Tx slots	16.68	16.67	16.67	18.00	13.68	13.67	13.67	15.00

Band	WCDMA II_Ant 2			Tune-up Limit (dBm)	
TX Channel	9262	9400	9538		
Rx Channel	9662	9800	9938		
Frequency (MHz)	1852.4	1880	1907.6		
3GPP Rel 99	AMR 12.2Kbps	17.21	16.94	16.73	18.50
3GPP Rel 99	RMC 12.2Kbps	17.26	17.01	16.74	18.50
3GPP Rel 6	HSDPA Subtest-1	16.21	15.97	15.89	17.50
3GPP Rel 6	HSDPA Subtest-2	16.22	16.00	15.95	17.50
3GPP Rel 6	HSDPA Subtest-3	15.66	15.46	15.42	17.00
3GPP Rel 6	HSDPA Subtest-4	15.74	15.47	15.36	17.00
3GPP Rel 8	DC-HSDPA Subtest-1	16.16	15.93	15.90	17.50
3GPP Rel 8	DC-HSDPA Subtest-2	16.16	15.91	15.89	17.50
3GPP Rel 8	DC-HSDPA Subtest-3	15.65	15.39	15.33	17.00
3GPP Rel 8	DC-HSDPA Subtest-4	15.69	15.45	15.35	17.00
3GPP Rel 6	HSUPA Subtest-1	14.59	14.58	14.58	16.50
3GPP Rel 6	HSUPA Subtest-2	14.22	13.78	13.51	15.50
3GPP Rel 6	HSUPA Subtest-3	15.20	14.89	14.66	16.50
3GPP Rel 6	HSUPA Subtest-4	13.77	13.54	13.54	15.50
3GPP Rel 6	HSUPA Subtest-5	15.60	15.53	15.52	17.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	13.64	13.33	13.16	15.00



Band 2_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 18700	Power Middle Ch. / Freq. 18900	Power High Ch. / Freq. 19100	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	19.50	19.87	19.75	21	0		
20	QPSK	1	49	19.50	19.87	19.75	20	1		
20	QPSK	1	99	19.74	19.48	19.43	20	1		
20	QPSK	50	0	19.09	18.98	18.83	20	1		
20	QPSK	50	24	19.11	18.93	18.76	20	1		
20	QPSK	50	50	19.02	18.76	18.60	20	1		
20	QPSK	100	0	19.07	18.81	18.73	20	1		
20	16QAM	1	0	19.32	19.22	18.95	20	1		
20	16QAM	1	49	19.44	19.33	19.13	20	1		
20	16QAM	1	99	19.05	18.90	18.85	20	1		
20	16QAM	50	0	18.19	18.05	17.87	19	2		
20	16QAM	50	24	18.12	17.98	17.76	19	2		
20	16QAM	50	50	18.10	17.76	17.60	19	2		
20	16QAM	100	0	18.14	17.86	17.71	19	2		
20	64QAM	1	0	18.19	18.12	17.81	19	2		
20	64QAM	1	49	18.36	18.23	18.17	19	2		
20	64QAM	1	99	17.93	17.75	17.69	18	3		
20	64QAM	50	0	17.16	17.00	16.79	18	3		
20	64QAM	50	24	17.12	16.95	16.74	18	3		
20	64QAM	50	50	17.09	16.75	16.57	18	3		
20	64QAM	100	0	17.03	16.84	16.58	18	3		
Channel										
Frequency (MHz)										
15	QPSK	1	0	18.575	18.80	19.025	21	0		
15	QPSK	1	37	19.99	19.83	19.70	20	1		
15	QPSK	1	74	19.66	19.43	19.37	20	1		
15	QPSK	36	0	18.98	18.90	18.78	20	1		
15	QPSK	36	20	19.01	18.78	18.65	20	1		
15	QPSK	36	39	18.93	18.70	18.55	20	1		
15	QPSK	75	0	18.96	18.66	18.63	20	1		
15	16QAM	1	0	19.26	19.15	18.85	20	1		
15	16QAM	1	37	19.05	18.90	19.00	19	2		
15	16QAM	1	74	18.92	18.75	18.79	19	2		
15	16QAM	36	0	18.05	17.93	17.71	19	2		
15	16QAM	36	20	18.03	17.85	17.81	19	2		
15	16QAM	36	39	18.05	17.69	17.47	19	2		
15	16QAM	75	0	18.05	17.70	17.58	19	2		
15	64QAM	1	0	18.04	18.04	17.73	19	2		
15	64QAM	1	37	18.20	18.18	18.10	19	2		
15	64QAM	1	74	17.79	17.67	17.67	18	3		
15	64QAM	36	0	17.09	16.85	16.71	18	3		
15	64QAM	36	20	17.03	16.84	16.58	18	3		
15	64QAM	36	39	16.93	16.65	16.51	18	3		
15	64QAM	75	0	16.97	16.72	16.83	18	3		
Channel										
Frequency (MHz)										
10	QPSK	1	0	19.82	19.74	19.44	21	0		
10	QPSK	1	25	20.03	19.84	19.66	20	1		
10	QPSK	1	49	19.68	19.33	19.38	20	1		
10	QPSK	25	0	19.03	18.90	18.70	20	1		
10	QPSK	25	12	18.94	18.82	18.65	20	1		
10	QPSK	25	25	18.94	18.63	18.46	20	1		
10	QPSK	50	0	19.01	18.74	18.60	20	1		
10	16QAM	1	0	18.19	18.08	18.02	20	1		
10	16QAM	1	25	19.35	19.23	19.09	20	1		
10	16QAM	1	49	18.92	18.76	18.77	20	1		
10	16QAM	25	0	18.03	17.87	17.67	19	2		
10	16QAM	25	12	18.03	17.86	17.71	19	2		
10	16QAM	25	25	17.98	17.65	17.44	19	2		
10	16QAM	50	0	17.99	17.77	17.64	19	2		
10	64QAM	1	0	18.11	18.06	17.75	19	2		
10	64QAM	1	25	18.23	18.10	18.02	19	2		
10	64QAM	1	49	17.85	17.59	17.58	18	3		
10	64QAM	25	0	17.04	16.86	16.66	18	3		
10	64QAM	25	12	17.04	16.84	16.58	18	3		
10	64QAM	25	25	16.94	16.69	16.48	18	3		
10	64QAM	50	0	16.98	16.76	16.59	18	3		
Channel										
Frequency (MHz)										
5	QPSK	1	0	19.89	19.69	19.45	21	0		
5	QPSK	1	12	19.64	19.66	19.61	20	1		
5	QPSK	1	24	19.68	19.43	19.32	20	1		
5	QPSK	12	0	18.99	18.91	18.76	20	1		
5	QPSK	12	7	19.00	18.77	18.63	20	1		
5	QPSK	12	13	18.77	18.68	18.50	20	1		
5	QPSK	25	0	18.99	18.71	18.61	20	1		
5	16QAM	1	0	19.19	19.10	18.80	20	1		
5	16QAM	1	12	19.29	19.25	18.99	20	1		
5	16QAM	1	24	18.91	18.76	18.73	20	1		
5	16QAM	12	0	18.07	17.98	17.68	19	2		
5	16QAM	12	7	18.07	17.90	17.63	19	2		
5	16QAM	12	13	17.99	17.70	17.47	19	2		
5	16QAM	25	0	18.05	17.77	17.65	19	2		
5	64QAM	1	0	18.05	18.05	17.73	19	2		
5	64QAM	1	12	17.87	17.62	17.64	18	3		
5	64QAM	12	0	17.08	16.84	16.69	18	3		
5	64QAM	12	7	17.03	16.79	16.61	18	3		
5	64QAM	12	13	16.97	16.63	16.50	18	3		
5	64QAM	25	0	17.06	16.72	16.58	18	3		
Channel										
Frequency (MHz)										
3	QPSK	1	0	19.86	19.71	19.52	21	0		
3	QPSK	1	8	19.93	19.91	19.63	20	1		
3	QPSK	1	14	19.62	19.39	19.30	20	1		
3	QPSK	8	0	18.93	18.83	18.72	20	1		
3	QPSK	8	4	18.91	18.79	18.65	20	1		
3	QPSK	8	7	18.91	18.62	18.50	20	1		
3	QPSK	15	0	18.93	18.72	18.58	20	1		
3	16QAM	1	0	19.22	19.13	18.81	20	1		
3	16QAM	1	8	19.35	19.21	18.97	20	1		
3	16QAM	1	14	18.94	18.84	18.71	20	1		
3	16QAM	8	0	18.00	17.87	17.66	19	2		
3	16QAM	8	4	17.99	17.86	17.68	19	2		
3	16QAM	8	7	18.01	17.70	17.54	19	2		
3	16QAM	15	0	17.98	17.71	17.57	19	2		
3	64QAM	1	0	18.09	18.06	17.67	19	2		
3	64QAM	1	8	18.22	18.18	18.05	19	2		
3	64QAM	1	14	17.85	17.66	17.54	19	2		
3	64QAM	8	0	17.02	16.87	16.65	18	3		
3	64QAM	8	4	16.99	16.89	16.68	18	3		
3	64QAM	8	7	17.04	16.68	16.45	18	3		
3	64QAM	15	0	17.06	16.69	16.56	18	3		
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	19.83	19.74	19.52	21	0		
1.4	QPSK	1	3	20.00	19.91	19.64	20	1		
1.4	QPSK	1	5	19.67	19.38	19.38	20	1		
1.4	QPSK	3	0	19.63	19.63	19.37	20	1		
1.4	QPSK	3	1	19.95	19.75	19.54	20	1		
1.4	QPSK	3	3	19.52	19.26	19.27	20	1		
1.4	QPSK	6	0	18.92	18.74	18.57	20	1		
1.4	16QAM	1	0	19.17	19.15	18.90	20	1		
1.4	16QAM	1	3	19.31	19.19	19.08	20	1		
1.4	16QAM	1	5	18.90	18.77	18.78	20	1		
1.4	16QAM	3	0	19.03	19.06	18.82	20	1		
1.4	16QAM	3	1	19.16	19.03	18.97	20	1		
1.4	16QAM	3	3	18.93	18.83	18.72	19	2		
1.4	16QAM	6	0	18.06	17.74	17.59	19	2		
1.4	64QAM	1	0	18.04	18.05	17.75	19	2		
1.4	64QAM	1	3	18.28	18.10	18.02	19	2		
1.4	64QAM	1	5	17.88	17.60	17.58	19	2		
1.4	64QAM	3	0	17.92	17.91	17.60	19	2		
1.4	64QAM	3	1	18.14	17.96	17.95	19	2		
1.4	64QAM	3	3	17.79	17.48	17.46	18	3		
1.4	64QAM	6	0	16.97	16.69	16.53	18	3		



Band 25_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 26140	Power Middle Ch. / Freq. 26340	Power High Ch. / Freq. 26590	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	20.06	20.03	19.80	21	0		
20	QPSK	1	49	20.02	20.05	19.71				
20	QPSK	1	99	19.96	19.74	19.59				
20	QPSK	50	0	18.87	19.16	18.77	20	1		
20	QPSK	50	24	18.92	19.17	18.81				
20	QPSK	50	50	18.74	19.05	18.59				
20	QPSK	100	0	18.87	19.14	18.72	20	1		
20	16QAM	1	0	19.17	19.32	18.98				
20	16QAM	1	49	19.32	19.50	19.19				
20	16QAM	1	99	18.97	19.07	18.92	19	2		
20	16QAM	50	0	18.07	18.22	17.80				
20	16QAM	50	24	18.02	18.15	17.80				
20	16QAM	50	50	17.83	18.13	17.67	19	2		
20	16QAM	100	0	17.93	18.19	17.71				
20	64QAM	1	0	18.13	18.26	17.84				
20	64QAM	1	49	18.42	18.44	18.10	19	2		
20	64QAM	1	99	17.80	18.00	17.89				
20	64QAM	50	0	17.04	17.21	16.78				
20	64QAM	50	24	17.00	17.13	16.82	18	3		
20	64QAM	50	50	16.79	17.14	16.85				
20	64QAM	100	0	16.93	17.16	16.71				
Channel										
Frequency (MHz)										
15	QPSK	1	0	18.89	19.90	19.48	21	0		
15	QPSK	1	37	20.05	20.01	19.66				
15	QPSK	1	74	19.63	19.59	19.48				
15	QPSK	36	0	19.08	19.04	18.70	20	1		
15	QPSK	36	20	18.98	18.98	18.68				
15	QPSK	36	39	18.95	18.83	18.48				
15	QPSK	75	0	19.00	18.87	18.63	20	1		
15	16QAM	1	0	19.19	19.20	18.83				
15	16QAM	1	37	19.42	19.42	19.14				
15	16QAM	1	74	18.99	19.06	18.78	19	2		
15	16QAM	36	0	18.06	18.06	17.68				
15	16QAM	36	20	18.00	18.04	17.72				
15	16QAM	36	39	18.05	17.89	17.60	19	2		
15	16QAM	75	0	18.09	18.02	17.62				
15	64QAM	1	0	18.21	18.18	17.79				
15	64QAM	1	37	18.33	18.42	17.97	19	2		
15	64QAM	1	74	17.91	17.83	17.77				
15	64QAM	36	0	17.10	17.10	16.64				
15	64QAM	36	20	17.01	17.03	16.76	18	3		
15	64QAM	36	39	17.03	16.81	16.51				
15	64QAM	75	0	17.06	17.01	16.55				
Channel										
Frequency (MHz)										
10	QPSK	1	0	19.81	19.84	19.52	21	0		
10	QPSK	1	25	20.04	20.07	19.74				
10	QPSK	1	49	19.99	19.62	19.49				
10	QPSK	25	0	19.09	19.06	18.61	20	1		
10	QPSK	25	12	18.99	18.94	18.72				
10	QPSK	25	25	18.94	18.83	18.50				
10	QPSK	50	0	19.01	18.96	18.60	20	1		
10	16QAM	1	0	19.16	19.24	18.86				
10	16QAM	1	25	19.42	19.38	19.14				
10	16QAM	1	49	18.93	19.01	18.77	19	2		
10	16QAM	25	0	18.14	18.11	17.74				
10	16QAM	25	12	18.09	18.04	17.66				
10	16QAM	25	25	18.07	17.90	17.61	19	2		
10	16QAM	50	0	18.11	18.01	17.60				
10	64QAM	1	0	18.20	18.12	17.76				
10	64QAM	1	25	18.32	18.46	17.94	19	2		
10	64QAM	1	49	17.85	17.79	17.53				
10	64QAM	25	0	17.12	17.04	16.69				
10	64QAM	25	12	16.99	17.09	16.73	18	3		
10	64QAM	25	25	17.01	16.82	16.55				
10	64QAM	50	0	17.02	16.92	16.66				
Channel										
Frequency (MHz)										
5	QPSK	1	0	19.81	19.85	19.50	21	0		
5	QPSK	1	12	20.03	20.01	19.67				
5	QPSK	1	24	19.98	19.60	19.49				
5	QPSK	12	0	19.01	19.02	18.71	20	1		
5	QPSK	12	7	18.95	18.93	18.69				
5	QPSK	12	13	18.97	18.93	18.51				
5	QPSK	25	0	19.02	18.99	18.58	20	1		
5	16QAM	1	0	19.16	19.23	18.92				
5	16QAM	1	12	19.35	19.32	19.12				
5	16QAM	1	24	18.92	18.99	18.78	19	2		
5	16QAM	12	0	18.12	18.09	17.71				
5	16QAM	12	7	18.07	18.02	17.72				
5	16QAM	12	13	17.98	17.93	17.58	19	2		
5	16QAM	25	0	18.13	17.94	17.56				
5	64QAM	1	0	18.21	18.14	17.71				
5	64QAM	1	12	18.35	18.04	18.05	19	2		
5	64QAM	1	24	17.94	17.85	17.76				
5	64QAM	12	0	17.15	17.09	16.71				
5	64QAM	12	7	17.02	16.99	16.71	18	3		
5	64QAM	12	13	17.07	16.88	16.60				
5	64QAM	25	0	17.02	16.94	16.66				
Channel										
Frequency (MHz)										
3	QPSK	1	0	19.88	19.95	19.44	21	0		
3	QPSK	1	8	20.06	20.07	19.72				
3	QPSK	1	14	19.62	19.64	19.48				
3	QPSK	8	0	19.07	19.05	18.65	20	1		
3	QPSK	8	4	19.01	18.94	18.71				
3	QPSK	8	7	19.00	18.76	18.49				
3	QPSK	15	0	19.05	18.94	18.57	20	1		
3	16QAM	1	0	19.16	19.16	18.82				
3	16QAM	1	8	19.43	19.33	19.08				
3	16QAM	1	14	19.01	18.99	18.83	19	2		
3	16QAM	8	0	18.16	18.16	17.66				
3	16QAM	8	4	18.04	18.12	17.64				
3	16QAM	8	7	18.06	17.87	17.55	19	2		
3	16QAM	15	0	18.12	17.99	17.60				
3	64QAM	1	0	18.20	18.20	17.69				
3	64QAM	1	8	18.29	18.42	17.97	19	2		
3	64QAM	1	14	17.93	17.85	17.81				
3	64QAM	8	0	17.14	17.12	16.67				
3	64QAM	8	4	17.05	17.09	16.68	18	3		
3	64QAM	8	7	17.00	16.88	16.60				
3	64QAM	15	0	17.10	16.95	16.65				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	19.90	19.89	19.49	21	0		
1.4	QPSK	1	3	20.02	20.03	19.72				
1.4	QPSK	1	5	19.98	19.57	19.46				
1.4	QPSK	3	0	19.76	19.79	19.40	20	1		
1.4	QPSK	3	1	19.96	19.97	19.60				
1.4	QPSK	3	3	19.54	19.43	19.32				
1.4	QPSK	6	0	18.98	18.93	18.66	20	1		
1.4	16QAM	1	0	19.17	19.26	18.90				
1.4	16QAM	1	3	19.43	19.35	19.06				
1.4	16QAM	1	5	18.93	19.06	18.84	20	1		
1.4	16QAM	3	0	19.08	19.19	18.82				
1.4	16QAM	3	1	19.34	19.26	18.92				
1.4	16QAM	3	3	18.97	19.01	18.76	19	2		
1.4	16QAM	6	0	18.12	17.99	17.55				
1.4	64QAM	1	0	18.21	18.12	17.76				
1.4	64QAM	1	3	18.36	18.44	18.03	19	2		
1.4	64QAM	1	5	17.94	17.79	17.74				
1.4	64QAM	3	0	18.07	17.97	17.70				
1.4	64QAM	3	1	18.31	18.33	17.96	18	3		
1.4	64QAM	3	3	17.88	17.66	17.62				
1.4	64QAM	6	0	17.01	17.02	16.62				

Band 66_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 132072	Power Middle Ch. / Freq. 132322	Power High Ch. / Freq. 132572	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	19.88	19.91	19.72	21	0		
20	QPSK	1	49	19.81	19.94	19.71				
20	QPSK	1	99	19.64	19.45	19.33				
20	QPSK	50	0	18.90	18.96	18.77	20	1		
20	QPSK	50	24	18.99	19.01	18.83				
20	QPSK	50	50	18.87	18.83	18.51				
20	QPSK	100	0	18.91	18.93	18.64	20	1		
20	16QAM	1	0	19.21	19.24	18.99				
20	16QAM	1	49	19.40	19.33	19.09				
20	16QAM	1	99	19.11	18.99	18.76	19	2		
20	16QAM	50	0	18.04	17.97	17.76				
20	16QAM	50	24	17.99	17.94	17.73				
20	16QAM	50	50	17.88	17.83	17.53	19	2		
20	16QAM	100	0	17.93	17.90	17.64				
20	64QAM	1	0	18.04	18.08	17.87				
20	64QAM	1	49	18.24	18.18	17.97	19	2		
20	64QAM	1	99	17.95	17.73	17.59				
20	64QAM	50	0	16.99	16.95	16.75				
20	64QAM	50	24	16.99	16.92	16.70	18	3		
20	64QAM	50	50	16.88	16.80	16.50				
20	64QAM	100	0	16.92	16.81	16.51				
Channel										
Frequency (MHz)										
15	QPSK	1	0	19.85	19.85	19.59	21	0		
15	QPSK	1	37	19.97	19.98	19.73				
15	QPSK	1	74	19.76	19.63	19.42				
15	QPSK	36	0	19.00	18.98	18.76	20	1		
15	QPSK	36	20	19.00	18.98	18.70				
15	QPSK	36	39	18.93	18.89	18.60				
15	QPSK	75	0	18.97	18.92	18.66	20	1		
15	16QAM	1	0	19.24	19.27	18.97				
15	16QAM	1	37	19.39	19.39	19.15				
15	16QAM	1	74	19.15	19.04	18.81	19	2		
15	16QAM	36	0	17.98	17.96	17.75				
15	16QAM	36	20	18.00	17.94	17.68				
15	16QAM	36	39	17.92	17.86	17.59	19	2		
15	16QAM	75	0	17.97	17.93	17.67				
15	6									



Band 2_Ant 2										
BW [MHz]	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)										
20	QPSK	1	0	18.50	18.50	18.50	19	0		
20	QPSK	1	49	18.51	18.29	18.04	19	0		
20	QPSK	1	99	18.09	17.79	17.73	18	1		
20	QPSK	50	0	17.53	17.21	17.14	18	1		
20	QPSK	50	24	17.45	17.25	17.07	18	1		
20	QPSK	50	50	17.37	17.04	16.95	18	1		
20	QPSK	100	0	17.49	17.07	17.05	18	1		
20	16QAM	1	0	17.70	17.58	17.41	18	1		
20	16QAM	1	49	17.81	17.63	17.43	18	1		
20	16QAM	1	99	17.39	17.19	17.12	18	1		
20	16QAM	50	0	16.80	16.27	16.15	17	2		
20	16QAM	50	24	16.52	16.29	16.07	17	2		
20	16QAM	50	50	16.44	16.07	16.00	17	2		
20	16QAM	100	0	16.52	16.14	16.04	17	2		
20	64QAM	1	0	16.60	16.40	16.10	17	2		
20	64QAM	1	49	16.72	16.54	16.34	17	2		
20	64QAM	1	99	16.41	15.99	16.00	16	3		
20	64QAM	50	0	15.59	15.27	15.13	16	3		
20	64QAM	50	24	15.54	15.29	15.06	16	3		
20	64QAM	50	50	15.42	15.02	15.26	16	3		
20	64QAM	100	0	15.40	15.13	15.04	16	3		
Channel										
Frequency (MHz)										
15	QPSK	1	0	18.46	18.08	17.84	19	0		
15	QPSK	1	37	18.36	18.15	17.98	19	0		
15	QPSK	1	74	17.98	17.63	17.62	18	1		
15	QPSK	36	0	17.39	17.05	17.07	18	1		
15	QPSK	36	20	17.32	17.11	16.97	18	1		
15	QPSK	36	39	17.28	16.99	16.82	18	1		
15	QPSK	75	0	17.39	16.94	16.99	18	1		
15	16QAM	1	0	17.64	17.46	17.28	18	1		
15	16QAM	1	37	17.59	17.37	17.21	18	1		
15	16QAM	1	74	17.34	17.14	17.01	17	2		
15	16QAM	36	0	16.51	16.21	16.08	17	2		
15	16QAM	36	20	16.41	16.14	16.01	17	2		
15	16QAM	36	39	16.36	16.00	15.85	17	2		
15	16QAM	75	0	16.39	16.04	16.00	17	2		
15	64QAM	1	0	16.45	16.33	16.00	17	2		
15	64QAM	1	37	16.63	16.40	16.26	17	2		
15	64QAM	1	74	16.32	15.94	15.93	16	3		
15	64QAM	36	0	15.51	15.16	15.08	16	3		
15	64QAM	36	20	15.41	15.16	15.02	16	3		
15	64QAM	36	39	15.35	15.42	15.12	16	3		
15	64QAM	75	0	15.39	15.42	15.42	16	3		
Channel										
Frequency (MHz)										
10	QPSK	1	0	18.44	18.07	17.84	19	0		
10	QPSK	1	25	18.39	18.17	17.99	19	0		
10	QPSK	1	49	17.96	17.64	17.68	18	1		
10	QPSK	25	0	17.42	17.08	16.98	18	1		
10	QPSK	25	12	17.39	17.20	16.94	18	1		
10	QPSK	25	25	17.30	16.95	16.82	18	1		
10	QPSK	50	0	17.35	17.00	16.97	18	1		
10	16QAM	1	0	17.63	17.43	17.30	18	1		
10	16QAM	1	25	17.73	17.51	17.29	18	1		
10	16QAM	1	49	17.28	17.04	16.98	17	2		
10	16QAM	25	0	16.47	16.21	16.01	17	2		
10	16QAM	25	12	16.41	16.21	16.02	17	2		
10	16QAM	25	25	16.31	15.91	15.88	17	2		
10	16QAM	50	0	16.41	16.00	15.89	17	2		
10	64QAM	1	0	16.53	16.34	15.99	17	2		
10	64QAM	1	25	16.62	16.48	16.23	17	2		
10	64QAM	1	49	16.30	15.85	15.90	16	3		
10	64QAM	25	0	15.38	15.24	15.49	16	3		
10	64QAM	25	12	15.38	15.24	15.19	16	3		
10	64QAM	25	25	15.31	15.38	15.19	16	3		
10	64QAM	50	0	15.42	15.06	15.39	16	3		
Channel										
Frequency (MHz)										
5	QPSK	1	0	18.46	18.05	17.80	19	0		
5	QPSK	1	12	18.35	18.17	17.91	19	0		
5	QPSK	1	24	17.96	17.71	17.61	18	1		
5	QPSK	12	0	17.37	17.10	17.04	18	1		
5	QPSK	12	7	17.40	17.18	16.94	18	1		
5	QPSK	12	13	17.23	16.99	16.82	18	1		
5	QPSK	25	0	17.42	17.02	16.93	18	1		
5	16QAM	1	0	17.61	17.43	17.36	18	1		
5	16QAM	1	12	17.67	17.56	17.34	18	1		
5	16QAM	1	24	17.33	17.11	17.06	17	2		
5	16QAM	12	0	16.46	16.11	16.09	17	2		
5	16QAM	12	7	16.43	16.21	15.94	17	2		
5	16QAM	12	13	16.32	15.99	15.87	17	2		
5	16QAM	25	0	16.47	16.03	15.97	17	2		
5	64QAM	1	0	16.48	16.35	15.95	17	2		
5	64QAM	1	12	16.45	16.22	16.02	17	2		
5	64QAM	1	24	16.28	15.87	15.94	16	3		
5	64QAM	12	0	15.54	15.19	15.46	16	3		
5	64QAM	12	7	15.45	15.19	15.40	16	3		
5	64QAM	12	13	15.27	15.42	15.18	16	3		
5	64QAM	25	0	15.41	15.00	15.43	16	3		
Channel										
Frequency (MHz)										
3	QPSK	1	0	18.41	18.03	17.84	19	0		
3	QPSK	1	8	18.37	18.17	17.90	19	0		
3	QPSK	1	14	17.96	17.65	17.57	18	1		
3	QPSK	8	0	17.38	17.13	17.07	18	1		
3	QPSK	8	4	17.29	17.12	16.99	18	1		
3	QPSK	8	7	17.22	16.97	16.89	18	1		
3	QPSK	15	0	17.40	16.98	16.98	18	1		
3	16QAM	1	0	17.65	17.52	17.27	18	1		
3	16QAM	1	8	17.66	17.56	17.37	18	1		
3	16QAM	1	14	17.34	17.12	17.06	17	2		
3	16QAM	8	0	16.50	16.16	16.09	17	2		
3	16QAM	8	4	16.45	16.16	15.94	17	2		
3	16QAM	8	7	16.29	15.91	15.92	17	2		
3	16QAM	15	0	16.41	16.03	15.93	17	2		
3	64QAM	1	0	16.48	16.28	16.02	17	2		
3	64QAM	1	8	16.63	16.47	16.21	17	2		
3	64QAM	1	14	16.25	15.84	15.86	16	3		
3	64QAM	8	0	15.54	15.19	15.01	16	3		
3	64QAM	8	4	15.38	15.13	15.04	16	3		
3	64QAM	8	7	15.34	15.09	15.11	16	3		
3	64QAM	15	0	15.40	15.01	15.09	16	3		
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	18.49	18.07	17.85	19	0		
1.4	QPSK	1	3	18.45	18.19	17.97	19	0		
1.4	QPSK	1	5	18.04	17.72	17.64	18	1		
1.4	QPSK	3	0	18.43	18.08	17.78	18	1		
1.4	QPSK	3	1	18.39	18.11	17.85	18	1		
1.4	QPSK	3	3	17.99	17.59	17.52	18	1		
1.4	QPSK	6	0	17.37	16.98	16.96	18	1		
1.4	16QAM	1	0	17.55	17.49	17.28	18	1		
1.4	16QAM	1	3	17.71	17.55	17.38	18	1		
1.4	16QAM	1	5	17.29	17.07	17.05	18	1		
1.4	16QAM	3	0	17.42	17.39	17.12	18	1		
1.4	16QAM	3	1	17.59	17.44	17.26	18	1		
1.4	16QAM	3	3	17.16	16.92	16.92	17	2		
1.4	16QAM	6	0	16.45	16.09	15.97	17	2		
1.4	64QAM	1	0	16.45	16.34	16.02	17	2		
1.4	64QAM	1	3	16.59	16.43	16.22	17	2		
1.4	64QAM	1	5	16.30	15.83	15.90	16	3		
1.4	64QAM	3	0	16.30	16.25	15.95	16	3		
1.4	64QAM	3	1	16.48	16.34	16.06	16	3		
1.4	64QAM	3	3	16.22	15.74	15.83	16	3		
1.4	64QAM	6	0							



Band 38_Ant 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				37850	38000	38150						
Frequency (MHz)				2580	2595	2610						
20	QPSK	1	0	21.57	21.32	21.30	23	0				
20	QPSK	1	49	21.48	21.48	21.50						
20	QPSK	1	99	21.42	21.44	21.34						
20	QPSK	50	0	20.61	20.54	20.58						
20	QPSK	50	24	20.71	20.66	20.61	22	1				
20	QPSK	50	50	20.57	20.59	20.64						
20	QPSK	100	0	20.56	20.52	20.55						
20	16QAM	1	0	21.28	20.58	20.70						
20	16QAM	1	49	20.95	20.92	20.96	22	1				
20	16QAM	1	99	20.74	20.75	20.72						
20	16QAM	50	0	19.60	19.62	19.65						
20	16QAM	50	24	19.65	19.59	19.67						
20	16QAM	50	50	19.65	19.64	19.68	21	2				
20	16QAM	100	0	19.68	19.57	19.66						
20	64QAM	1	0	19.57	19.50	19.57						
20	64QAM	1	49	19.81	19.75	19.81						
20	64QAM	1	99	19.54	19.62	19.62	21	2				
20	64QAM	50	0	18.60	18.54	18.59						
20	64QAM	50	24	18.62	18.63	18.68						
20	64QAM	50	50	18.54	18.60	18.69						
20	64QAM	100	0	18.61	18.46	18.60	20	3				
Channel				37825	38000	38175						
Frequency (MHz)				2577.5	2595	2612.5						
15	QPSK	1	0	21.42	21.27	21.22			23	0		
15	QPSK	1	37	21.34	21.42	21.38						
15	QPSK	1	74	21.27	21.34	21.19						
15	QPSK	36	0	20.52	20.41	20.52						
15	QPSK	36	20	20.58	20.57	20.46	22	1				
15	QPSK	36	39	20.43	20.44	20.49						
15	QPSK	75	0	20.50	20.37	20.50						
15	16QAM	1	0	21.20	20.44	20.64						
15	16QAM	1	37	20.83	20.77	20.84	22	1				
15	16QAM	1	74	20.62	20.69	20.64						
15	16QAM	36	0	19.47	19.54	19.50						
15	16QAM	36	20	19.55	19.46	19.62						
15	16QAM	36	39	19.49	19.55	19.59	21	2				
15	16QAM	75	0	19.58	19.45	19.61						
15	64QAM	1	0	19.49	19.43	19.48						
15	64QAM	1	37	19.65	19.64	19.73						
15	64QAM	1	74	19.45	19.54	19.53	21	2				
15	64QAM	36	0	18.53	18.42	18.46						
15	64QAM	36	20	18.51	18.53	18.54						
15	64QAM	36	39	18.43	18.47	18.61						
15	64QAM	75	0	18.49	18.39	18.53	20	3				
Channel				37800	38000	38200						
Frequency (MHz)				2577.5	2595	2615						
10	QPSK	1	0	21.43	21.24	21.18			23	0		
10	QPSK	1	25	21.40	21.36	21.40						
10	QPSK	1	49	21.30	21.29	21.24						
10	QPSK	25	0	20.56	20.43	20.51						
10	QPSK	25	12	20.61	20.59	20.52	22	1				
10	QPSK	25	25	20.52	20.43	20.49						
10	QPSK	50	0	20.41	20.44	20.50						
10	16QAM	1	0	21.18	20.53	20.63						
10	16QAM	1	25	20.90	20.82	20.90	22	1				
10	16QAM	1	49	20.65	20.66	20.62						
10	16QAM	25	0	19.54	19.57	19.55						
10	16QAM	25	12	19.57	19.53	19.54						
10	16QAM	25	25	19.57	19.49	19.60	21	2				
10	16QAM	50	0	19.56	19.42	19.60						
10	64QAM	1	0	19.50	19.39	19.49						
10	64QAM	1	25	19.73	19.64	19.65						
10	64QAM	1	49	19.38	19.54	19.46	21	2				
10	64QAM	25	0	18.46	18.42	18.43						
10	64QAM	25	12	18.57	18.57	18.53						
10	64QAM	25	25	18.48	18.50	18.60						
10	64QAM	50	0	18.47	18.34	18.45	20	3				
Channel				3777.5	38000	38225						
Frequency (MHz)				2572.5	2595	2617.5						
5	QPSK	1	0	21.48	21.24	21.18			23	0		
5	QPSK	1	12	21.32	21.40	21.41						
5	QPSK	1	24	21.34	21.36	21.24						
5	QPSK	12	0	20.46	20.48	20.44						
5	QPSK	12	7	20.63	20.53	20.53	22	1				
5	QPSK	12	13	20.50	20.54	20.50						
5	QPSK	25	0	20.40	20.42	20.40						
5	16QAM	1	0	21.23	20.45	20.64						
5	16QAM	1	12	20.81	20.80	20.89	22	1				
5	16QAM	1	24	20.59	20.65	20.65						
5	16QAM	12	0	19.54	19.54	19.52						
5	16QAM	12	7	19.54	19.47	19.51						
5	16QAM	12	13	19.60	19.56	19.52	21	2				
5	16QAM	25	0	19.56	19.48	19.50						
5	64QAM	1	0	19.51	19.43	19.43						
5	64QAM	1	12	19.88	19.59	19.68						
5	64QAM	1	24	19.44	19.53	19.55	21	2				
5	64QAM	12	0	18.46	18.38	18.53						
5	64QAM	12	7	18.55	18.49	18.56						
5	64QAM	12	13	18.40	18.53	18.64						
5	64QAM	25	0	18.49	18.35	18.50	20	3				

Band 41_Ant 1												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	21.77	21.89	21.79	21.87	21.78	23	0		
20	QPSK	1	49	21.76	21.78	21.76	21.83	21.77				
20	QPSK	1	99	21.64	21.69	21.67	21.63	21.65				
20	QPSK	50	0	20.83	20.89	20.69	20.76	20.72				
20	QPSK	50	24	21.00	21.02	20.76	20.77	20.80	22	1		
20	QPSK	50	50	20.98	20.73	20.75	20.68	20.78				
20	QPSK	100	0	20.82	20.87	20.75	20.77	20.79				
20	16QAM	1	0	20.87	20.77	20.66	20.75	20.75				
20	16QAM	1	49	21.17	21.08	21.03	21.07	21.06	22	1		
20	16QAM	1	99	20.82	20.75	21.12	20.76	21.05				
20	16QAM	50	0	19.90	19.88	19.67	19.75	19.81				
20	16QAM	50	24	20.05	19.87	19.89	19.80	19.82				
20	16QAM	50	50	19.88	19.79	19.77	19.74	19.80	21	2		
20	16QAM	100	0	19.99	19.86	19.71	19.84	19.85				
20	64QAM	1	0	19.79	19.66	19.66	19.65	19.65				
20	64QAM	1	49	19.95	19.87	19.77	19.84	19.79				
20	64QAM	1	99	19.73	19.66	19.67	19.71	19.70	21	2		
20	64QAM	50	0	18.89	18.84	18.62	18.71	18.79				
20	64QAM	50	24	18.98	18.86	18.65	18.75	18.80				
20	64QAM	50	50	18.94	18.80	18.68	18.71	18.70				
20	64QAM	100	0	18.96	18.80	18.74	18.77	18.79	20	3		
Channel				39725	40173	40620	41068	41515				
Frequency (MHz)				2503.5	2548.3	2593	2637.4	2682.5				
15	QPSK	1	0	21.68	21.73	21.72	21.81	21.70			23	0
15	QPSK	1	37	21.62	21.69	21.70	21.78	21.62				
15	QPSK	1	74	21.74	21.73	21.71	21.78	21.69				
15	QPSK	36	0	20.77	20.74	20.64	20.70	20.65				
15	QPSK	36	20	20.91	20.91	20.68	20.72	20.72	22	1		
15	QPSK	36	39	20.87	20.64	20.65	20.77	20.64				
15	QPSK	75	0	20.75	20.62	20.65	20.68	20.68				
15	16QAM	1	0	20.79	20.67	20.71	20.83	20.66				
15	16QAM	1	37	21.07	20.97	20.68	21.02	20.95	22	1		
15	16QAM	1	74	20.70	20.62	20.98	20.66	20.96				
15	16QAM	36	0	19.82	19.74	19.74	19.60	19.72				
15	16QAM	36	20	19.99	19.78	19.77	19.71	19.67				
15	16QAM	36	39	19.91	19.65	19.70	19.61	19.72	21	2		
15	16QAM	75	0	19.86	19.71	19.62	19.74	19.80				
15	64QAM	1	0	19.66	19.73	19.75	1					



Band 41_Ant 1 (HUPE)												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	23.95	24.02	23.94	23.95	24.01	25	0		
20	QPSK	1	49	23.93	24.01	23.92	23.90	23.91				
20	QPSK	1	99	23.89	23.80	23.82	23.88	23.85				
20	QPSK	50	0	22.94	22.98	22.84	22.94	23.03				
20	QPSK	50	24	23.08	23.14	22.92	23.04	23.05				
20	16QAM	50	50	23.06	22.84	22.91	22.93	22.93	24	1		
20	QPSK	100	0	23.04	23.06	22.88	22.97	23.02				
20	16QAM	1	0	23.13	23.06	23.02	23.01	23.03				
20	16QAM	1	49	23.47	23.32	23.18	23.26	23.31				
20	16QAM	1	99	23.18	23.07	23.02	23.09	23.09				
20	16QAM	50	0	22.01	22.06	21.92	22.02	22.05	23	2		
20	16QAM	50	24	22.16	22.03	21.94	22.02	22.11				
20	16QAM	50	50	22.13	21.96	21.95	21.99	21.98				
20	16QAM	100	0	22.09	22.00	21.94	22.02	22.02				
20	64QAM	1	0	21.95	21.99	21.85	21.86	21.91				
20	64QAM	1	49	22.20	22.09	22.07	22.18	22.11	23	2		
20	64QAM	1	99	22.45	21.88	21.85	22.42	22.87				
20	64QAM	50	0	21.03	21.02	20.88	20.96	21.08				
20	64QAM	50	24	21.16	21.02	20.94	21.00	21.06				
20	64QAM	50	50	21.11	20.95	20.91	20.98	20.96				
20	64QAM	100	0	21.10	20.99	20.92	20.98	21.03	22	3		
Channel				39725	40173	40620	41088	41515				
Frequency (MHz)				2503.5	2548.3	2593	2637.3	2682.5				
15	QPSK	1	0	23.89	23.97	23.88	23.87	23.94			25.00	0
15	QPSK	1	37	23.80	23.85	23.96	23.94	23.97				
15	QPSK	1	74	23.93	23.84	23.88	23.97	23.93				
15	QPSK	36	0	22.99	22.89	22.96	22.89	22.88				
15	QPSK	36	20	22.94	22.98	22.86	22.90	22.92				
15	QPSK	36	39	22.87	22.89	22.96	22.80	22.81	24	1		
15	QPSK	75	0	22.99	22.98	22.95	22.89	22.88				
15	16QAM	1	0	23.01	22.92	22.96	22.86	22.92				
15	16QAM	1	37	23.40	23.19	23.12	23.17	23.17				
15	16QAM	1	74	23.11	22.95	22.92	23.00	23.01				
15	16QAM	36	0	21.87	21.96	21.82	21.89	21.91	23	2		
15	16QAM	36	20	22.05	21.91	21.87	21.94	21.97				
15	16QAM	36	39	22.08	21.89	21.88	21.83	21.84				
15	16QAM	75	0	21.98	21.93	21.99	21.88	21.96				
15	64QAM	1	0	21.81	21.82	21.98	21.95	21.85				
15	64QAM	1	37	22.13	21.97	21.92	22.12	22.02	23	2		
15	64QAM	1	74	22.39	21.80	21.93	22.32	22.80				
15	64QAM	36	0	20.87	20.95	20.94	20.90	20.94				
15	64QAM	36	20	21.06	20.95	20.82	20.85	20.90				
15	64QAM	36	39	20.97	20.82	20.83	20.87	20.90				
15	64QAM	75	0	21.02	20.83	20.86	20.84	20.97	22	3		
Channel				39700	40160	40620	41080	41540				
Frequency (MHz)				2501	2547	2593	2639	2685				
10	QPSK	1	0	23.80	23.87	23.87	23.81	23.86			25.00	0
10	QPSK	1	25	23.87	23.95	23.83	23.94	23.83				
10	QPSK	1	49	23.97	23.91	23.88	23.94	23.92				
10	QPSK	25	0	22.87	22.90	22.93	22.98	22.97				
10	QPSK	25	12	23.01	23.08	22.86	22.88	22.98				
10	QPSK	25	25	22.90	22.80	22.81	22.81	22.85	24	1		
10	QPSK	50	0	22.96	22.96	22.95	22.83	22.94				
10	16QAM	1	0	23.04	23.00	22.94	22.89	22.90				
10	16QAM	1	25	23.42	23.22	23.05	23.16	23.19				
10	16QAM	1	49	23.11	23.02	22.89	22.99	22.96				
10	16QAM	25	0	21.94	21.97	21.98	21.87	21.90	24	1		
10	16QAM	25	12	22.11	21.96	21.80	21.97	21.95				
10	16QAM	25	25	22.08	21.85	21.80	21.93	21.83				
10	16QAM	50	0	22.03	21.90	21.83	21.92	21.92				
10	64QAM	1	0	21.88	21.93	21.91	21.81	21.84				
10	64QAM	1	25	22.09	21.97	21.95	22.07	22.01	23	2		
10	64QAM	1	49	22.37	21.93	21.92	22.35	22.79				
10	64QAM	25	0	20.92	20.87	20.93	20.81	20.94				
10	64QAM	25	12	21.02	20.93	20.87	20.88	20.95				
10	64QAM	25	25	20.98	20.80	20.84	20.85	20.91				
10	64QAM	50	0	20.96	20.93	20.83	20.86	20.96	22	3		
Channel				39675	40148	40620	41093	41565				
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5				
5	QPSK	1	0	23.82	23.93	23.89	23.84	23.91			25.00	0
5	QPSK	1	12	23.98	23.87	23.84	23.97	23.82				
5	QPSK	1	24	23.82	23.86	23.87	23.97	23.99				
5	QPSK	12	0	22.84	22.87	22.91	22.84	22.97				
5	QPSK	12	7	22.99	23.01	22.97	22.94	22.91				
5	QPSK	12	13	22.88	22.86	22.82	22.81	22.86	24	1		
5	QPSK	25	0	22.99	22.99	22.83	22.84	22.96				
5	16QAM	1	0	23.01	22.96	22.86	22.96	22.95				
5	16QAM	1	12	23.37	23.20	23.10	23.14	23.16				
5	16QAM	1	24	23.07	22.97	22.92	22.94	23.04				
5	16QAM	12	0	21.93	21.96	21.84	21.97	21.96	23	2		
5	16QAM	12	7	22.05	21.88	21.85	21.97	21.99				
5	16QAM	12	13	22.06	21.89	21.83	21.87	21.87				
5	16QAM	25	0	22.00	21.91	21.83	21.90	21.94				
5	64QAM	1	0	21.85	21.95	21.94	21.94	21.82				
5	64QAM	1	12	22.08	21.99	22.02	22.03	21.97	23	2		
5	64QAM	1	24	22.38	21.96	21.99	22.37	22.73				
5	64QAM	12	0	20.87	20.94	20.83	20.83	20.93				
5	64QAM	12	7	21.04	20.87	20.96	20.86	20.96				
5	64QAM	12	13	21.01	20.85	20.86	20.85	20.80				
5	64QAM	25	0	20.96	20.93	20.89	20.92	20.90	22	3		



Band 38_Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel							Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
20	QPSK	1	0	19.25	18.93	18.93	20.5	0		
20	QPSK	1	49	19.18	19.23	19.12				
20	QPSK	1	99	19.00	18.89	18.88				
20	QPSK	50	0	18.28	18.08	18.08	19.5	1		
20	QPSK	50	24	18.35	18.21	18.15				
20	QPSK	50	50	18.27	18.16	18.02				
20	QPSK	100	0	18.25	18.13	18.16	19.5	1		
20	16QAM	1	0	18.46	18.19	18.23				
20	16QAM	1	49	18.62	18.49	18.52				
20	16QAM	1	99	18.38	18.26	18.26	18.5	2		
20	16QAM	50	0	17.32	17.18	17.14				
20	16QAM	50	24	17.34	17.16	17.20				
20	16QAM	50	50	17.30	17.16	17.19	18.5	2		
20	16QAM	100	0	17.28	17.19	17.10				
20	64QAM	1	0	17.29	17.14	16.99				
20	64QAM	1	49	17.43	17.33	17.35	17.5	3		
20	64QAM	1	99	17.20	17.12	17.09				
20	64QAM	50	0	16.30	16.13	16.14				
20	64QAM	50	24	16.34	16.11	16.16	17.5	3		
20	64QAM	50	50	16.24	16.21	16.07				
20	64QAM	100	0	16.21	16.12	16.10				
Channel							Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
15	QPSK	1	0	19.45	18.84	18.85	20.5	0		
15	QPSK	1	37	19.15	19.17	19.07				
15	QPSK	1	74	18.86	18.79	18.78				
15	QPSK	36	0	18.22	17.93	18.01	19.5	1		
15	QPSK	36	20	18.20	18.11	18.09				
15	QPSK	36	39	18.13	18.10	17.93				
15	QPSK	75	0	18.11	18.07	18.05	19.5	1		
15	16QAM	1	0	18.41	18.04	18.05				
15	16QAM	1	37	18.51	18.37	18.40				
15	16QAM	1	74	18.33	18.14	18.11	18.5	2		
15	16QAM	36	0	17.25	17.04	17.00				
15	16QAM	36	20	17.24	17.10	17.05				
15	16QAM	36	39	17.16	17.01	17.11	18.5	2		
15	16QAM	75	0	17.22	17.14	17.01				
15	64QAM	1	0	17.20	17.06	16.85				
15	64QAM	1	37	17.37	17.18	17.23	18.5	2		
15	64QAM	1	74	17.08	16.97	17.02				
15	64QAM	36	0	16.24	16.07	16.02				
15	64QAM	36	20	16.19	15.95	16.09	17.5	3		
15	64QAM	36	39	16.17	16.09	15.94				
15	64QAM	75	0	16.08	16.01	15.98				
Channel							Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
10	QPSK	1	0	18.96	18.78	18.88	20.5	0		
10	QPSK	1	25	19.12	19.17	19.01				
10	QPSK	1	49	18.90	18.81	18.78				
10	QPSK	25	0	18.18	18.03	18.00	19.5	1		
10	QPSK	25	12	18.28	18.13	18.10				
10	QPSK	25	25	18.17	18.03	17.92				
10	QPSK	50	0	18.14	18.03	18.02	19.5	1		
10	16QAM	1	0	18.32	18.12	18.18				
10	16QAM	1	25	18.57	18.43	18.46				
10	16QAM	1	49	18.32	18.12	18.18	18.5	2		
10	16QAM	25	0	17.25	17.11	17.07				
10	16QAM	25	12	17.18	17.01	17.04				
10	16QAM	25	25	17.14	17.11	17.04	18.5	2		
10	16QAM	50	0	17.14	17.06	16.95				
10	64QAM	1	0	17.23	17.01	16.90				
10	64QAM	1	25	17.33	17.17	17.27	18.5	2		
10	64QAM	1	49	17.06	16.99	16.97				
10	64QAM	25	0	16.18	16.03	16.01				
10	64QAM	25	12	16.27	16.05	16.00	17.5	3		
10	64QAM	25	25	16.15	16.15	15.98				
10	64QAM	50	0	16.09	16.07	15.95				
Channel							Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
5	QPSK	1	0	19.01	18.86	18.81	20.5	0		
5	QPSK	1	12	19.16	19.17	19.07				
5	QPSK	1	24	18.90	18.73	18.82				
5	QPSK	12	0	18.18	17.93	17.95	19.5	1		
5	QPSK	12	7	18.25	18.15	18.06				
5	QPSK	12	13	18.13	18.03	17.96				
5	QPSK	25	0	18.19	18.00	18.01	19.5	1		
5	16QAM	1	0	18.38	18.13	18.16				
5	16QAM	1	12	18.53	18.43	18.39				
5	16QAM	1	24	18.28	18.21	18.10	18.5	2		
5	16QAM	12	0	17.27	17.09	16.99				
5	16QAM	12	7	17.21	17.02	17.15				
5	16QAM	12	13	17.15	17.08	17.08	18.5	2		
5	16QAM	25	0	17.18	17.10	16.94				
5	64QAM	1	0	17.22	17.04	16.87				
5	64QAM	1	12	17.32	17.23	17.20	18.5	2		
5	64QAM	1	24	17.08	17.06	17.04				
5	64QAM	12	0	16.19	16.08	16.01				
5	64QAM	12	7	16.28	16.00	16.07	17.5	3		
5	64QAM	12	13	16.18	16.06	16.00				
5	64QAM	25	0	16.12	16.06	16.03				

Band 41_Ant 2												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel									Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)												
20	QPSK	1	0	19.32	19.49	19.29	19.29	19.26	20.5	0		
20	QPSK	1	49	19.30	19.41	19.04	18.96	18.93				
20	QPSK	1	99	19.18	19.06	18.87	18.89	18.83				
20	QPSK	50	0	18.37	18.32	17.96	17.84	17.91	19.5	1		
20	QPSK	50	24	18.45	18.46	17.98	17.93	17.97				
20	QPSK	50	50	18.33	18.19	17.91	17.80	17.89				
20	QPSK	100	0	18.36	18.39	18.02	17.96	17.80	19.5	1		
20	16QAM	1	0	18.29	18.24	17.96	17.86	17.88				
20	16QAM	1	49	18.68	18.60	18.33	18.12	18.14				
20	16QAM	1	99	18.25	18.19	17.93	17.84	17.85	18.5	2		
20	16QAM	50	0	17.41	17.36	17.00	16.88	16.84				
20	16QAM	50	24	17.46	17.23	16.97	16.87	16.88				
20	16QAM	50	50	17.41	17.17	16.94	16.81	16.80	18.5	2		
20	16QAM	100	0	17.39	17.23	17.07	16.92	16.94				
20	64QAM	1	0	17.11	16.90	16.83	16.80	16.84				
20	64QAM	1	49	17.41	17.32	17.00	16.84	16.90	18.5	2		
20	64QAM	1	99	16.95	16.96	16.80	16.82	16.85				
20	64QAM	50	0	16.39	16.27	16.01	15.88	15.86				
20	64QAM	50	24	16.50	16.36	16.01	15.95	15.89	17.5	3		
20	64QAM	50	50	16.39	16.26	15.95	15.90	15.83				
20	64QAM	100	0	16.44	16.30	16.00	15.97	15.95				
Channel									Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)												
15	QPSK	1	0	19.22	19.40	18.95	18.96	18.96	21	0		
15	QPSK	1	37	19.17	19.36	18.98	18.86	18.83				
15	QPSK	1	74	19.11	18.99	18.92	18.94	18.95				
15	QPSK	36	0	18.29	18.22	17.82	17.95	17.85	19.5	1		
15	QPSK	36	20	18.32	18.40	17.91	17.88	17.89				
15	QPSK	36	39	18.27	18.11	17.85	17.95	17.80				
15	QPSK	75	0	18.20	18.26	17.94	17.84	17.93	19.5	1		
15	16QAM	1	0	18.15	18.11	17.85	17.81	17.83				
15	16QAM	1	37	18.57	18.55	18.19	18.00	18.04				
15	16QAM	1	74	18.11	18.09	17.87	17.93	17.94	18.5	2		
15	16QAM	36	0	17.25	17.29	16.87	16.80	16.99				
15	16QAM	36	20	17.34	17.09	16.84	16.99	16.94				
15	16QAM	36	39	17.35	17.01	16.89	16.87	16.93	18.5	2		
15	16QAM	75	0	17.31	17.07	16.94	16.99	16.92				
15	64QAM	1	0	17.02	16.95	16.82	16.93	16.96				
15	64QAM	1	37	17.28	17.26	16.88	16.98	16.91	18.5	2		
15	64QAM	1	74	16.86	16.82	16.96	16.97					



Band 41_Ant 2(HUPE)

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	21.72	21.73	21.58	21.57	21.60	22.5	0
20	QPSK	1	49	21.69	21.65	21.53	21.54	21.51		
20	QPSK	1	99	21.58	21.46	21.46	21.47	21.46	21.5	1
20	QPSK	50	0	20.75	20.68	20.67	20.69	20.75		
20	QPSK	50	24	20.80	20.81	20.72	20.76	20.78	21.5	1
20	QPSK	50	50	20.76	20.88	20.69	20.72	20.72		
20	16QAM	100	0	20.78	20.88	20.72	20.79	20.77	20.5	2
20	16QAM	1	0	20.89	20.70	20.65	20.78	20.78		
20	16QAM	1	49	21.11	20.89	20.91	21.02	20.93	20.5	1
20	16QAM	1	99	20.86	20.70	20.88	20.85	20.70		
20	16QAM	50	0	19.87	19.71	19.73	19.79	19.77	20.5	2
20	16QAM	50	24	19.96	19.74	19.75	19.86	19.82		
20	16QAM	50	50	19.92	19.72	19.72	19.83	19.75	20.5	2
20	16QAM	100	0	19.91	19.88	19.72	19.76	19.80		
20	64QAM	1	0	19.75	19.57	19.54	19.60	19.62	20.5	2
20	64QAM	1	49	20.13	19.80	20.13	20.21	19.85		
20	64QAM	1	99	19.75	19.60	19.59	19.72	19.58	19.5	3
20	64QAM	50	0	18.91	18.73	18.80	18.84	18.87		
20	64QAM	50	24	19.00	18.77	18.81	18.88	18.85	19.5	3
20	64QAM	50	50	18.94	18.77	18.77	18.88	18.80		
20	64QAM	100	0	18.95	18.69	18.78	18.86	18.85		
Channel				39725	40173	40620	41088	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.3	2682.5		
15	QPSK	1	0	21.56	21.59	21.32	21.47	21.45	23	0
15	QPSK	1	37	21.58	21.53	21.58	21.46	21.40		
15	QPSK	1	74	21.43	21.37	21.35	21.45	21.31	21.5	1
15	QPSK	36	0	20.59	20.55	20.51	20.56	20.66		
15	QPSK	36	20	20.70	20.72	20.64	20.63	20.66	21.5	1
15	QPSK	36	39	20.68	20.53	20.61	20.65	20.57		
15	QPSK	75	0	20.76	20.63	20.63	20.67	20.63	21.5	1
15	16QAM	1	0	20.73	20.64	20.54	20.63	20.66		
15	16QAM	1	37	21.02	20.75	20.85	20.90	20.83	21.5	1
15	16QAM	1	74	20.74	20.62	20.52	20.72	20.55		
15	16QAM	36	0	19.74	19.66	19.67	19.68	19.68	20.5	2
15	16QAM	36	20	19.87	19.65	19.70	19.73	19.77		
15	16QAM	36	39	19.80	19.60	19.56	19.69	19.60	20.5	2
15	16QAM	75	0	19.81	19.62	19.61	19.61	19.74		
15	64QAM	1	0	19.64	19.44	19.38	19.44	19.47	20.5	2
15	64QAM	1	37	20.02	19.64	20.03	20.06	19.74		
15	64QAM	1	74	19.64	19.47	19.46	19.60	19.42	19.5	3
15	64QAM	36	0	18.78	18.62	18.69	18.71	18.80		
15	64QAM	36	20	18.88	18.65	18.67	18.82	18.79	19.5	3
15	64QAM	36	39	18.79	18.63	18.63	18.72	18.69		
15	64QAM	75	0	18.82	18.64	18.68	18.79	18.70		
Channel				39700	40160	40620	41080	41540		
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	21.46	21.60	21.22	21.48	21.44	23	0
10	QPSK	1	25	21.56	21.57	21.57	21.41	21.42		
10	QPSK	1	49	21.48	21.37	21.33	21.46	21.41	21.5	1
10	QPSK	25	0	20.62	20.57	20.62	20.58	20.66		
10	QPSK	25	12	20.68	20.71	20.64	20.68	20.68	21.5	1
10	QPSK	25	25	20.66	20.60	20.55	20.60	20.64		
10	QPSK	50	0	20.75	20.59	20.63	20.66	20.64	21.5	1
10	16QAM	1	0	20.84	20.63	20.60	20.68	20.68		
10	16QAM	1	25	20.97	20.82	20.86	20.88	20.77	21.5	1
10	16QAM	1	49	20.72	20.61	20.54	20.76	20.61		
10	16QAM	25	0	19.80	19.62	19.65	19.73	19.68	20.5	2
10	16QAM	25	12	19.82	19.64	19.69	19.79	19.75		
10	16QAM	25	25	19.77	19.62	19.66	19.70	19.62	20.5	2
10	16QAM	50	0	19.81	19.57	19.56	19.66	19.68		
10	64QAM	1	0	19.63	19.45	19.46	19.55	19.46	20.5	2
10	64QAM	1	25	19.98	19.73	19.98	20.10	19.71		
10	64QAM	1	49	19.67	19.55	19.47	19.59	19.44	19.5	3
10	64QAM	25	0	18.76	18.57	18.71	18.76	18.77		
10	64QAM	25	12	18.84	18.68	18.68	18.79	18.74	19.5	3
10	64QAM	25	25	18.84	18.69	18.68	18.81	18.73		
10	64QAM	50	0	18.82	18.59	18.60	18.79	18.73		
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	21.49	21.57	21.26	21.52	21.54	23	0
5	QPSK	1	12	21.59	21.52	21.55	21.42	21.37		
5	QPSK	1	24	21.45	21.39	21.34	21.51	21.39	21.5	1
5	QPSK	12	0	20.62	20.58	20.59	20.54	20.63		
5	QPSK	12	7	20.66	20.71	20.66	20.63	20.65	21.5	1
5	QPSK	12	13	20.61	20.55	20.62	20.56	20.58		
5	QPSK	25	0	20.82	20.54	20.59	20.64	20.70	21.5	1
5	16QAM	1	0	20.82	20.65	20.51	20.70	20.73		
5	16QAM	1	12	20.99	20.79	20.86	20.88	20.84	20.5	2
5	16QAM	1	24	20.80	20.59	20.52	20.74	20.62		
5	16QAM	12	0	19.76	19.58	19.64	19.66	19.61	20.5	2
5	16QAM	12	7	19.90	19.59	19.59	19.74	19.70		
5	16QAM	12	13	19.86	19.59	19.67	19.70	19.60	20.5	2
5	16QAM	25	0	19.80	19.53	19.62	19.64	19.66		
5	64QAM	1	0	19.64	19.48	19.45	19.45	19.56	20.5	2
5	64QAM	1	12	20.03	19.72	19.98	20.14	19.70		
5	64QAM	1	24	19.65	19.50	19.49	19.61	19.53	19.5	3
5	64QAM	12	0	18.85	18.59	18.69	18.72	18.80		
5	64QAM	12	7	18.93	18.71	18.72	18.74	18.79	19.5	3
5	64QAM	12	13	18.96	18.66	18.65	18.72	18.66		
5	64QAM	25	0	18.84	18.53	18.60	18.75	18.73		



Intra Band UL CA

CA_41C-Ant 1											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
39750	39948	QPSK	1	0	0	0	1	0	Full Power	22.60	24.00
40185	39987	QPSK	1	0	0	0	1	0	Full Power	22.62	24.00
40620	40422	QPSK	1	0	0	0	1	0	Full Power	22.65	24.00
41055	40857	QPSK	1	0	0	0	1	0	Full Power	22.63	24.00
41490	41292	QPSK	1	0	0	0	1	0	Full Power	22.58	24.00
39750	39948	QPSK	1	0	0	0	1	0	Hotspot on	18.02	19.50
40185	39987	QPSK	1	0	0	0	1	0	Hotspot on	18.10	19.50
40620	40422	QPSK	1	0	0	0	1	0	Hotspot on	18.18	19.50
41055	40857	QPSK	1	0	0	0	1	0	Hotspot on	18.47	19.50
41490	41292	QPSK	1	0	0	0	1	0	Hotspot on	18.24	19.50
39750	39948	QPSK	1	0	0	0	1	0	Sensor on	19.36	20.50
40185	39987	QPSK	1	0	0	0	1	0	Sensor on	19.30	20.50
40620	40422	QPSK	1	0	0	0	1	0	Sensor on	19.25	20.50
41055	40857	QPSK	1	0	0	0	1	0	Sensor on	19.15	20.50
41490	41292	QPSK	1	0	0	0	1	0	Sensor on	19.28	20.50
39750	39948	QPSK	1	0	0	0	1	0	Headheld	21.51	23.00
40185	39987	QPSK	1	0	0	0	1	0	Headheld	21.49	23.00
40620	40422	QPSK	1	0	0	0	1	0	Headheld	21.47	23.00
41055	40857	QPSK	1	0	0	0	1	0	Headheld	21.50	23.00
41490	41292	QPSK	1	0	0	0	1	0	Headheld	21.74	23.00

CA_41C-Ant 2											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
39750	39948	QPSK	1	0	0	0	1	0	Full Power	20.74	22.00
40185	39987	QPSK	1	0	0	0	1	0	Full Power	20.83	22.00
40620	40422	QPSK	1	0	0	0	1	0	Full Power	20.57	22.00
41055	40857	QPSK	1	0	0	0	1	0	Full Power	20.67	22.00
41490	41292	QPSK	1	0	0	0	1	0	Full Power	20.72	22.00
39750	39948	QPSK	1	0	0	0	1	0	Rec on	15.23	16.50
40185	39987	QPSK	1	0	0	0	1	0	Rec on	15.27	16.50
40620	40422	QPSK	1	0	0	0	1	0	Rec on	15.20	16.50
41055	40857	QPSK	1	0	0	0	1	0	Rec on	15.28	16.50
41490	41292	QPSK	1	0	0	0	1	0	Rec on	15.31	16.50
39750	39948	QPSK	1	0	0	0	1	0	Hotspot on	13.88	15.00
40185	39987	QPSK	1	0	0	0	1	0	Hotspot on	13.95	15.00
40620	40422	QPSK	1	0	0	0	1	0	Hotspot on	13.77	15.00
41055	40857	QPSK	1	0	0	0	1	0	Hotspot on	13.89	15.00
41490	41292	QPSK	1	0	0	0	1	0	Hotspot on	13.88	15.00
39750	39948	QPSK	1	0	0	0	1	0	Sensor on	14.34	15.50
40185	39987	QPSK	1	0	0	0	1	0	Sensor on	14.45	15.50
40620	40422	QPSK	1	0	0	0	1	0	Sensor on	14.21	15.50
41055	40857	QPSK	1	0	0	0	1	0	Sensor on	14.25	15.50
41490	41292	QPSK	1	0	0	0	1	0	Sensor on	14.27	15.50
39750	39948	QPSK	1	0	0	0	1	0	Headheld	19.25	20.50
40185	39987	QPSK	1	0	0	0	1	0	Headheld	19.49	20.50
40620	40422	QPSK	1	0	0	0	1	0	Headheld	19.34	20.50
41055	40857	QPSK	1	0	0	0	1	0	Headheld	19.48	20.50
41490	41292	QPSK	1	0	0	0	1	0	Headheld	19.34	20.50



Conducted Power for DL CA

Full Power		Conducted Power for DL CA													
2CC															
Configure	CA Configuration (BCS)	PCC							SCC				Power		
		LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)	
Inter-Band	CA_5A-7A	Band 5	10M	836.5	20525	QPSK	1	0	Band 7	20M	2655	3100	21.89	22.50	
	CA_7A-12A	Band 7	20M	2510	20850	QPSK	1	0	Band 12	10M	737.5	5095	22.57	22.77	
	CA_25A-26A	Band 25	20M	1880	26340	QPSK	1	0	Band 26	15M	876.5	8865	21.59	22.84	
	CA_26A-41A	Band 26	15M	841.5	26965	QPSK	1	0	Band 41	20M	2593	40620	21.96	22.55	
Intra-Band	Non-Contiguous	CA_2A-5A	Band 2	20M	1860	18700	QPSK	1	0	Band 5	10M	881.5	2525	21.79	22.77
		CA_2A-2A	Band 2	20M	1860	18700	QPSK	1	0	Band 2	5M	1987.5	1175	21.77	22.77
		CA_4A-4A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	21.59	22.66
		CA_7A-7A	Band 7	20M	2510	20850	QPSK	1	0	Band 7	5M	2687.5	3425	21.63	22.77
		CA_25A-25A	Band 25	20M	1880	26340	QPSK	1	0	Band 25	5M	1992.5	8665	21.58	22.84
		CA_41A-41A	Band 41	20M	2549.5	40185	QPSK	1	0	Band 41	5M	2687.5	41565	21.88	22.68
		CA_66A-66A	Band 66	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	21.42	22.67
	Contiguous	CA_2C	Band 2	20M	1860	18700	QPSK	1	0	Band 2	20M	1959.80	898	21.75	22.77
		CA_5B	Band 5	10M	836.5	20525	QPSK	1	0	Band 5	10M	891.40	2624	21.62	22.50
		CA_7C	Band 7	20M	2510	20850	QPSK	1	0	Band 7	20M	2649.80	3048	21.67	22.77
		CA_12B	Band 12	10M	711	23130	QPSK	1	0	Band 12	5M	703.80	5058	22.62	22.68
		CA_38C	Band 38	20M	2580	37850	QPSK	1	0	Band 38	20M	2599.80	38048	21.33	22.59
		CA_41C	Band 41	20M	2549.5	40185	QPSK	1	0	Band 41	20M	2525.80	39948	22.31	22.68
		CA_66B	Band 66	15M	1745	132322	QPSK	1	0	Band 66	5M	2164.30	66979	21.44	22.67
CA_66C	Band 66	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.80	67084	21.40	22.67		



Conducted Power for WLAN/BT

Ant 3		Full power(Default) Handheld (Standalone WLAN)			At-Head power(Standalone)		At-Head power(WLAN+WWAN)		At-Body-Worn power(Standalone)		At-Body-Worn power(WLAN+WWAN) At-Hotspot power(WLAN+WWAN)		At-Handheld power(WLAN+WWAN)		Duty Cycle %		
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit			
2.4GHz WLAN	802.11b 1Mbps	1	2412	21.00	23.00	17.53	19.53	11.55	13.55	15.52	17.52	9.56	11.56	15.03	17.03	100.00	
		6	2437	21.00	23.00	17.53	19.53	11.56	13.56	15.53	17.53	9.57	11.57	15.06	17.06		
		11	2462	20.90	22.90	17.46	19.46	11.41	13.41	15.42	17.42	9.43	11.43	14.91	16.91		
	802.11g 6Mbps	1	2412	16.70	18.70	16.70	18.70	11.50	13.50		17.53		11.57		17.06	100.00	
		6	2437	16.90	20.90	17.40	19.40	11.40	13.40		17.53		11.57		17.06		
		11	2462	16.50	18.50	16.50	18.50	11.50	13.50		17.53		11.57		17.06		
	802.11n-HT20 MCS0	1	2412	16.50	18.50					18.50		13.56		11.57		17.06	100.00
		6	2437	16.80	20.80					19.53		13.56	Not Required	11.57		17.06	
		11	2462	16.70	18.70					18.70		13.56	Not Required	11.57		17.06	
	802.11n-HT40 MCS0	3	2422	13.60	15.60	Not Required	Not Required	Not Required	Not Required	15.60		13.56		11.57		15.60	100.00
		6	2437	16.90	18.90					18.90		13.56		11.57		17.06	
		9	2452	16.10	18.10					18.10		13.56		11.57		17.06	

Ant 4		Full power(Default) Handheld (Standalone WLAN)			At-Head power(Standalone)		At-Head power(WLAN+WWAN)		At-Body-Worn power(Standalone)		At-Body-Worn power(WLAN+WWAN) At-Hotspot power(WLAN+WWAN)		At-Handheld power(WLAN+WWAN)		Duty Cycle %	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
5.2GHz WLAN	802.11a 6Mbps	36	5180	18.22	20.22		16.40		10.37		17.88		11.41		15.36	100.00
		40	5200	18.44	20.44		16.40		10.37		17.88		11.41		15.36	
		44	5220	18.36	20.36		16.40		10.37		17.88		11.41		15.36	
	802.11n-HT20 MCS0	48	5240	18.45	20.45		16.40		10.37		17.88		11.41		15.36	100.00
		36	5180	18.20	20.20		16.40		10.37		17.88		11.41		15.36	
		40	5200	18.23	20.23		16.40		10.37		17.88		11.41		15.36	
	802.11n-HT40 MCS0	44	5220	18.16	20.16		16.40		10.37		17.88		11.41		15.36	100.00
		48	5240	18.20	20.20		16.40		10.37		17.88		11.41		15.36	
		38	5190	16.31	18.31	Not Required	16.40	Not Required	10.37	Not Required	17.88	Not Required	11.41	Not Required	15.36	
	802.11ac-VHT20 MCS0	46	5230	17.03	19.03		16.40		10.37		17.88		11.41		15.36	100.00
		36	5180	18.20	20.20		16.40		10.37		17.88		11.41		15.36	
		40	5200	18.21	20.21		16.40		10.37		17.88		11.41		15.36	
802.11ac-VHT40 MCS0	44	5220	18.14	20.14		16.40		10.37		17.88		11.41		15.36	100.00	
	48	5240	17.93	19.93		16.40		10.37		17.88		11.41		15.36		
	38	5190	16.28	18.28		16.40		10.37		17.88		11.41		15.36		
802.11ac-VHT80 MCS0	46	5230	17.00	19.00		16.40		10.37		17.88		11.41		15.36	100.00	
	42	5210	17.38	19.38	14.40	16.40	8.37	10.37	15.88	17.88	9.41	11.41	13.36	15.36		

Ant 4		Full power(Default) Handheld (Standalone WLAN)			At-Head power(Standalone)		At-Head power(WLAN+WWAN)		At-Body-Worn power(Standalone)		At-Body-Worn power(WLAN+WWAN)		At-Handheld power(WLAN+WWAN)		Duty Cycle %	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
5.3GHz WLAN	802.11a 6Mbps	52	5260	18.84	20.84		16.96		10.98		18.40		11.95		17.45	100.00
		56	5280	18.81	20.81		16.96		10.98		18.40		11.95		17.45	
		60	5300	18.82	20.82		16.96		10.98		18.40		11.95		17.45	
	802.11n-HT20 MCS0	64	5320	18.91	20.91		16.96		10.98		18.40		11.95		17.45	100.00
		52	5260	18.81	20.81		16.96		10.98	Not Required	18.40		11.95		17.45	
		56	5280	18.78	20.78		16.96		10.98		18.40		11.95		17.45	
	802.11n-HT40 MCS0	60	5300	18.80	20.80		16.96		10.98		18.40		11.95		17.45	100.00
		64	5320	18.82	20.82	Not Required	16.96	Not Required	10.98	16.40	Not Required	11.95	Not Required	17.45		
		54	5270	17.88	19.88		16.96		10.98		18.40		11.95		17.45	
	802.11ac-VHT20 MCS0	62	5310	16.90	18.90		16.96		10.98	16.38	18.38		11.95		17.45	100.00
		52	5260	18.80	20.80		16.96		10.98		18.40		11.95		17.45	
		56	5280	18.75	20.75		16.96		10.98		18.40		11.95		17.45	
802.11ac-VHT40 MCS0	60	5300	18.78	20.78		16.96		10.98		18.40		11.95		17.45	100.00	
	64	5320	18.79	20.79		16.96		10.98	Not Required	18.40		11.95		17.45		
	54	5270	17.86	19.86		16.96		10.98		18.40		11.95		17.45		
802.11ac-VHT80 MCS0	62	5310	16.75	18.75		16.96		10.98		18.40		11.95		17.45	100.00	
	58	5290	15.97	17.97	14.96	16.96	8.98	10.98		17.97	9.95	11.95	15.45	17.45		

Ant 4		Full power(Default) Handheld (Standalone WLAN)			At-Head power(Standalone)		At-Head power(WLAN+WWAN)		At-Body-Worn power(Standalone)		At-Body-Worn power(WLAN+WWAN)		At-Handheld power(WLAN+WWAN)		Duty Cycle %	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
5.8GHz WLAN	802.11a 6Mbps	100	5500	18.59	20.59		16.35		10.75		17.30		11.28		15.25	100.00
		116	5580	18.49	20.49		16.35		10.75		17.30		11.28		15.25	
		132	5660	18.36	20.36		16.35		10.75		17.30		11.28		15.25	
	802.11n-HT20 MCS0	140	5700	18.66	20.66		16.35		10.75		17.30		11.28		15.25	100.00
		100	5500	18.58	20.58		16.35		10.75		17.30		11.28		15.25	
		116	5580	18.48	20.48		16.35		10.75		17.30		11.28		15.25	
	802.11n-HT40 MCS0	132	5660	18.24	20.24		16.35		10.75		17.30		11.28		15.25	100.00
		140	5700	18.45	20.45		16.35		10.75		17.30		11.28		15.25	
		102	5510	17.59	19.59	Not Required	16.35	Not Required	10.75	Not Required	17.30	Not Required	11.28	Not Required	15.25	
	802.11ac-VHT20 MCS0	110	5550	17.48	19.48		16.35		10.75		17.30		11.28		15.25	100.00
		134	5670	17.28	19.28		16.35		10.75		17.30		11.28		15.25	
		100	5500	18.56	20.56		16.35		10.75		17.30		11.28		15.25	
802.11ac-VHT40 MCS0	116	5580	18.45	20.45		16.35		10.75		17.30		11.28		15.25	100.00	
	132	5660	18.20	20.20		16.35		10.75		17.30		11.28		15.25		
	140	5700	18.42	20.42		16.35		10.75		17.30		11.28		15.25		
802.11ac-VHT80 MCS0	102	5510	17.56	19.56		16.35		10.75		17.30		11.28		15.25	100.00	
	110	5550	17.22	19.22		16.35		10.75		17.30		11.28		15.25		
	134	5670	17.12	19.12		16.35		10.75		17.30		11.28		15.25		
802.11ac-VHT80 MCS0	106	5530	17.25	19.25	14.35	16.35	8.75	10.75	15.30	17.30	9.28	11.28	13.25	15.25	100.00	

Ant 4		Full power(Default) Handheld (Standalone WLAN)			At-Head power(Standalone)		At-Head power(WLAN+WWAN)		At-Body-Worn power(Standalone)		At-Body-Worn power(WLAN+WWAN) At-Hotspot power(WLAN+WWAN)		At-Handheld power(WLAN+WWAN)		Duty Cycle %	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
5.8GHz WLAN	802.11a 6Mbps	149	5745	18.28	20.28		15.41		9.92		16.44		10.42		13.90	100.00
		157	5785	17.80	19.80		15.41		9.92		16.44		10.42		13.90	
		165	5825	17.54	19.54		15.41		9.92		16.44		10.42		13.90	
	802.11n-HT20 MCS0	149	5745	18.22	20.22		15.41		9.92		16.44		10.42		13.90	100.00
		157	5785	17.78	19.78		15.41		9.92		16.44		10.42		13.90	
		165	5825	17.53	19.53		15.41		9.92		16.44		10.42		13.90	
	802.11n-HT40 MCS0	151	5755	16.83	18.83	Not Required	15.41	Not Required	9.92	Not Required	16.44	Not Required	10.42	Not Required	13.90	100.00
		159	5795	16.52	18.52		15.41									



BT BR/EDR

Mode	Channel	Frequency (MHz)	Average power (dBm)									Tune-up Limit
			Packet Type									
			DH1	DH3	DH5	2DH1	2DH3	2DH5	3DH1	3DH3	3DH5	
Bluetooth	CH 0	2402	8.00	7.90	7.80	6.10	5.30	5.10	6.10	5.30	5.10	9.8
	CH 39	2441	7.80	7.70	7.60	5.60	4.80	4.60	5.60	4.80	4.60	9.6
	CH 78	2480	8.00	7.90	7.80	5.80	5.00	4.90	5.80	5.00	4.90	9.8

BT LE 4.0

Mode	Channel	Frequency (MHz)	Average power (dBm)	
			GFSK	
LE	CH 00	2402	0.00	
	CH 19	2440	0.50	
	CH 39	2480	-0.80	
Tune-up Limit			2.5	

BT LE 5.0

Mode	Channel	Frequency (MHz)	Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402	0.00	0.10
	CH 19	2440	0.50	0.60
	CH 39	2480	-0.80	-0.70
Tune-up Limit			2.5	2.6