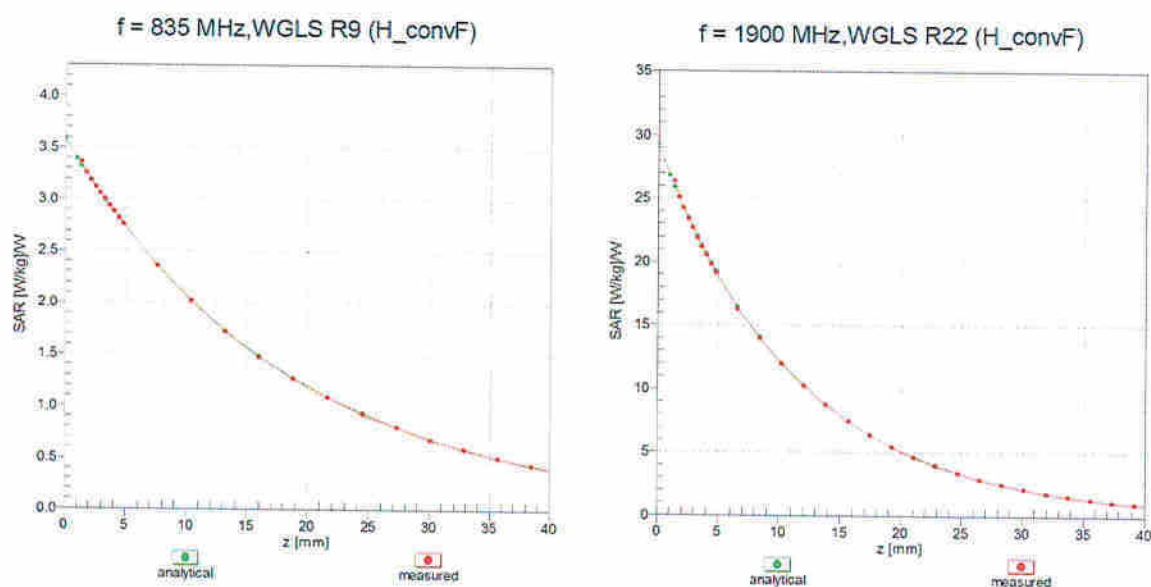
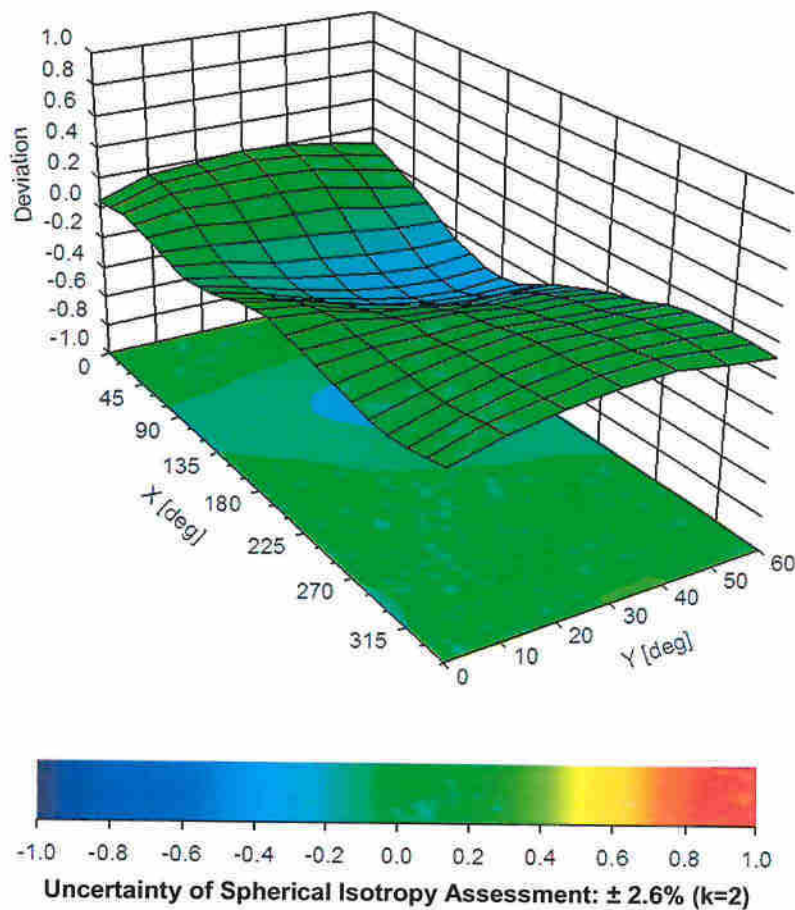


Conversion Factor Assessment



Deviation from Isotropy in Liquid

Error (ϕ, θ), $f = 900 \text{ MHz}$



Appendix: Modulation Calibration Parameters

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

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

Ant1 Full Power								
Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
TX Channel	128	189		128	189	251		
Frequency (MHz)	824.2	836.4	848.8	824.2	836.4	848.8	824.2	836.4
GSM 1 Tx slot	32.26	32.51	32.48	33.50	23.26	23.51	23.48	24.50
GPRS 1 Tx slot	32.34	32.64	32.68	33.50	23.34	23.64	23.68	24.50
GPRS 2 Tx slots	30.45	30.69	30.43	32.00	24.45	24.69	24.43	26.00
GPRS 3 Tx slots	28.75	28.94	28.56	30.00	24.49	24.68	24.30	25.74
GPRS 4 Tx slots	27.52	27.43	27.60	28.00	24.52	24.43	24.60	25.00
EDGE 1 Tx slot	24.51	24.56	24.78	25.00	15.51	15.56	15.78	16.00
EDGE 2 Tx slots	22.63	22.59	22.90	23.00	16.63	16.59	16.90	17.00
EDGE 3 Tx slots	21.18	21.06	21.39	21.50	16.92	16.80	17.13	17.24
EDGE 4 Tx slots	19.65	19.71	19.85	20.00	16.65	16.71	16.85	17.00

Ant1 Full Power								
Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
TX Channel	512	661		512	661	810		
Frequency (MHz)	1850.2	1880	1909.8	1850.2	1880	1909.8	1850.2	1880
GSM 1 Tx slot	30.13	30.25	30.33	30.50	21.13	21.25	21.33	21.50
GPRS 1 Tx slot	30.23	30.38	30.42	30.50	21.23	21.38	21.42	21.50
GPRS 2 Tx slots	27.71	27.79	27.78	28.00	21.71	21.79	21.78	22.00
GPRS 3 Tx slots	25.75	25.66	25.81	26.00	21.49	21.40	21.55	21.74
GPRS 4 Tx slots	24.29	24.19	24.33	24.50	21.29	21.19	21.33	21.50
EDGE 1 Tx slot	25.18	25.47	25.51	26.50	16.18	16.47	16.51	17.50
EDGE 2 Tx slots	24.26	24.55	24.27	25.00	16.26	16.55	16.27	19.00
EDGE 3 Tx slots	22.83	23.06	22.85	23.50	18.67	18.80	18.59	19.24
EDGE 4 Tx slots	21.15	21.41	21.17	21.50	18.15	18.41	18.17	18.50

Ant1 Full Power								
WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	
TX Channel	9262	9400		1312	1413	1513		
Rx Channel	9662	9800	9938	1537	1638	1738		
Frequency (MHz)	1852.4	1860	1907.6	1712.4	1732.6	1752.6	1852.4	1860
3GPP Rel 99 RMC 12.2Kbps	22.67	22.84	22.78	24.00	22.77	22.68	22.71	24.00
3GPP Rel 99 RMC 12.2Kbps	22.91	22.93	22.84	24.00	22.81	22.87	22.75	24.00
3GPP Rel 6 HSDPA Subtest-1	21.94	22.15	22.27	23.00	21.85	22.14	22.32	23.00
3GPP Rel 6 HSDPA Subtest-2	21.95	22.19	22.35	23.00	21.85	22.10	22.26	23.00
3GPP Rel 6 HSDPA Subtest-3	21.45	21.70	21.89	22.50	21.37	21.59	21.78	22.50
3GPP Rel 6 HSDPA Subtest-4	21.43	21.62	21.77	22.50	21.37	21.57	21.79	22.50
3GPP Rel 8 DC-HSDPA Subtest-1	21.93	22.11	22.20	23.00	21.87	22.10	22.17	23.00
3GPP Rel 8 DC-HSDPA Subtest-2	21.87	22.16	22.21	23.00	21.84	22.09	22.10	23.00
3GPP Rel 8 DC-HSDPA Subtest-3	21.43	21.62	21.80	22.50	21.39	21.63	21.70	22.50
3GPP Rel 8 DC-HSDPA Subtest-4	21.33	21.57	21.81	22.50	21.33	21.48	21.72	22.50
3GPP Rel 6 HSUPA Subtest-1	21.92	22.17	22.31	23.00	21.93	22.16	22.23	23.00
3GPP Rel 6 HSUPA Subtest-2	19.93	20.11	20.24	21.00	19.95	20.11	20.27	21.00
3GPP Rel 6 HSUPA Subtest-3	20.98	21.11	21.33	22.00	20.88	21.09	21.27	22.00
3GPP Rel 6 HSUPA Subtest-4	19.95	20.17	20.35	21.00	19.92	20.16	20.31	21.00
3GPP Rel 6 HSUPA Subtest-5	21.88	22.21	22.28	23.00	21.88	22.13	22.30	23.00

Ant1 Full Power								
WCDMA V			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)	
TX Channel	4132	4182		4132	4182	4233		
Rx Channel	4357	4407	4458	4357	4407	4458		
Frequency (MHz)	826.4	836.4	846.6	826.4	836.4	846.6		
3GPP Rel 99 RMC 12.2Kbps	22.67	22.84	22.78	24.00	22.77	22.68	22.71	24.00
3GPP Rel 99 RMC 12.2Kbps	22.91	22.93	22.84	24.00	22.81	22.87	22.75	24.00
3GPP Rel 6 HSDPA Subtest-1	21.94	22.15	22.27	23.00	21.85	22.14	22.32	23.00
3GPP Rel 6 HSDPA Subtest-2	21.95	22.19	22.35	23.00	21.85	22.10	22.26	23.00
3GPP Rel 6 HSDPA Subtest-3	21.45	21.70	21.89	22.50	21.37	21.59	21.78	22.50
3GPP Rel 6 HSDPA Subtest-4	21.43	21.62	21.77	22.50	21.37	21.57	21.79	22.50
3GPP Rel 8 DC-HSDPA Subtest-1	21.93	22.11	22.20	23.00	21.87	22.10	22.17	23.00
3GPP Rel 8 DC-HSDPA Subtest-2	21.87	22.16	22.21	23.00	21.84	22.09	22.10	23.00
3GPP Rel 8 DC-HSDPA Subtest-3	21.43	21.62	21.80	22.50	21.39	21.63	21.70	22.50
3GPP Rel 8 DC-HSDPA Subtest-4	21.33	21.57	21.81	22.50	21.33	21.48	21.72	22.50
3GPP Rel 6 HSUPA Subtest-1	21.92	22.17	22.31	23.00	21.93	22.16	22.23	23.00
3GPP Rel 6 HSUPA Subtest-2	19.93	20.11	20.24	21.00	19.95	20.11	20.27	21.00
3GPP Rel 6 HSUPA Subtest-3	20.98	21.11	21.33	22.00	20.88	21.09	21.27	22.00
3GPP Rel 6 HSUPA Subtest-4	19.95	20.17	20.35	21.00	19.92	20.16	20.31	21.00
3GPP Rel 6 HSUPA Subtest-5	21.88	22.21	22.28	23.00	21.88	22.13	22.30	23.00

Band 2 Ant1 Full Power														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Turn-up time (sec)	MFR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	23.17	23.19	22.96	24	0						
20	QPSK	1	49	23.17	23.19	22.96								
20	QPSK	1	99	22.97	22.98	22.71								
20	QPSK	50	0	22.97	22.93	22.11								
20	QPSK	30	24	22.12	22.08	21.09	23	1						
20	QPSK	50	50	22.11	22.01	21.98								
20	QPSK	100	0	22.16	22.18	22.06								
20	QPSK	1	0	22.46	22.31	21.20								
20	HQAM	1	49	22.27	22.26	22.27	23	1						
20	HQAM	1	99	22.23	22.22	22.08								
20	HQAM	50	0	21.27	21.06	21.11								
20	HQAM	50	24	21.21	21.07	21.05								
20	HQAM	50	50	21.07	21.04	21.03	22	2						
20	HQAM	100	0	21.17	21.05	21.06								
20	HQAM	1	0	21.30	21.08	21.25								
20	HQAM	1	49	21.07	21.02	21.24								
20	HQAM	1	99	20.95	21.14	21.12	21	3						
20	HQAM	50	0	20.25	20.07	20.09								
20	HQAM	50	24	20.17	20.09	20.05								
20	HQAM	100	0	20.19	20.08	20.09								
20	25GQAM	1	0	18.02	18.12	18.14	19	5						
20	25GQAM	1	49	17.87	18.03	17.96								
20	25GQAM	1	99	17.83	18.06	18.06								
20	25GQAM	50	24	17.78	17.97	17.88								
20	25GQAM	50	50	17.82	18.07	18.08	19	5						
20	25GQAM	100	0	17.82	18.07	18.08								
Channel														
Frequency (MHz)														
15	QPSK	1	0	18.075	18.060	19.150					24	0		
15	QPSK	1	37	23.09	23.08	22.96								
15	QPSK	1	74	22.96	22.93	22.75								
15	QPSK	30	0	22.23	22.06	22.03								
15	QPSK	30	24	22.20	22.04	21.03	23	1						
15	QPSK	30	39	22.12	22.02	21.96								
15	QPSK	75	0	22.18	22.04	22.01								
15	QPSK	1	0	22.36	22.03	21.29								
15	HQAM	1	37	22.34	22.31	22.34	23	1						
15	HQAM	1	74	22.28	22.14	22.14								
15	HQAM	30	0	21.27	21.05	21.07								
15	HQAM	30	20	21.21	21.07	21.05								
15	HQAM	1	0	21.20	21.07	21.05	22	2						
15	HQAM	1	49	21.20	21.07	21.05								
15	HQAM	75	0	21.20	21.07	21.05								
15	HQAM	1	0	21.36	21.20	21.32								
15	HQAM	1	37	21.17	21.06	21.17	21	3						
15	HQAM	1	74	21.17	21.06	21.15								
15	HQAM	30	0	20.25	20.07	20.07								
15	HQAM	30	20	20.16	20.07	20.08								
15	HQAM	30	50	20.13	20.00	19.05	19	5						
15	HQAM	75	0	20.22	20.05	20.04								
15	25GQAM	1	0	17.96	18.06	18.06								
15	25GQAM	1	37	17.91	18.03	17.92								
15	25GQAM	1	74	17.96	18.02	18.03	19	5						
15	25GQAM	1	0	17.96	18.07	18.03								
15	25GQAM	30	20	17.77	17.97	17.92								
15	25GQAM	30	39	17.75	18.00	18.00								
15	25GQAM	75	0	17.77	18.03	18.03	19	5						
15	25GQAM	75	0	17.77	18.03	18.03								
Channel														
Frequency (MHz)														
10	QPSK	1	0	23.13	23.15	22.99	24	0						
10	QPSK	1	26	23.10	23.14	22.98								
10	QPSK	1	49	23.06	23.04	22.87								
10	QPSK	25	0	22.40	22.21	22.15								
10	QPSK	12	24	22.34	22.17	21.13	23	1						
10	QPSK	25	25	22.26	22.11	22.03								
10	QPSK	50	0	22.24	22.17	22.11								
10	HQAM	1	0	22.68	22.48	22.45								
10	HQAM	1	25	22.58	22.42	22.27	23	1						
10	HQAM	1	49	22.62	22.48	22.24								
10	HQAM	25	0	21.43	21.22	21.21								
10	HQAM	25	12	21.37	21.22	21.15								
10	HQAM	50	0	21.34	21.19	21.16	22	2						
10	HQAM	50	0	21.34	21.19	21.16								
10	HQAM	1	0	21.35	21.29	21.27								
10	HQAM	1	25	21.32	21.17	21.29								
10	HQAM	1	49	21.31	21.20	21.13	21	3						
10	HQAM	25	0	20.40	20.23	20.18								
10	HQAM	25	12	20.36	20.12	20.17								
10	HQAM	25	25	20.28	20.09	20.02								
10	HQAM	50	0	20.33	20.16	20.12	19	5						
10	HQAM	50	0	20.33	20.16	20.12								
10	25GQAM	1	0	18.17	18.30	18.23								
10	25GQAM	1	26	17.93	18.19	18.05								
10	25GQAM	1	49	17.92	18.05	18.05	19	5						
10	25GQAM	25	0	18.06	18.14	18.14								
10	25GQAM	25	12	17.86	18.03	18.08								
10	25GQAM	25	25	17.98	18.14	18.20								
10	25GQAM	50	0	18.01	18.15	18.20								
Channel														
Frequency (MHz)														
5	QPSK	1	0	23.14	23.16	22.98	24	0						
5	QPSK	1	12	23.08	23.15	22.95								
5	QPSK	1	24	23.15	23.06	22.87								
5	QPSK	12	0	22.41	22.22	22.12								
5	QPSK	12	7	22.38	22.22	22.06	23	1						
5	QPSK	12	13	22.28	22.14	21.86								
5	QPSK	25	0	22.27	22.11	21.94								
5	HQAM	0	0	22.62	22.48	22.24								
5	HQAM	1	12	22.62	22.49	22.28	23	1						
5	HQAM	1	24	22.47	22.38	22.15								
5	HQAM	12	0	21.48	21.21	21.13								
5	HQAM	12	7	21.42	21.26	21.11								
5	HQAM	15	0	21.32	21.17	21.08	22	2						
5	HQAM	25	0	21.30	21.15	21.05								
5	HQAM	1	0	21.30	21.27	21.27								
5	HQAM	1	12	21.40	21.25	21.12								
5	HQAM	1	24	21.43	21.29	21.20	21	3						
5	HQAM	12	0	20.40	20.25	20.15								
5	HQAM	12	7	20.30	20.25	20.09								
5	HQAM	12	13	20.28	20.14	20.00								
5	HQAM	25	0	20.36	20.14	20.04	19	5						
5	HQAM	25	0	20.36	20.14	20.04								
5	25GQAM	1	12	18.09	18.20	18.12								
5	25GQAM	1	24	17.95	18.11	18.03								
5	25GQAM	12	0	17.86	18.06	18.06	19	5						
5	25GQAM	12	7	17.85	18.04	18.05								
5	25GQAM	12												



Band 7 Ant1 Full Power														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power Hgh Ch / Freq	Tune-up Int (dB)	MPE (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	23.23	23.31	23.19			24	0				
20	QPSK	1	49	23.21	23.18	23.26								
20	QPSK	1	99	23.19	23.21	23.24								
20	QPSK	50	0	22.15	22.29	22.28			23	1				
20	QPSK	50	24	22.16	22.28	22.25								
20	QPSK	50	50	22.28	22.27	22.25								
20	QPSK	100	0	22.14	22.25	22.22			23	1				
20	HQAM	1	0	22.22	22.27	22.19								
20	HQAM	1	49	22.21	22.19	22.24			22	2				
20	HQAM	1	99	22.18	22.15	22.25								
20	HQAM	50	0	21.17	21.22	21.21			22	2				
20	HQAM	50	24	21.19	21.20	21.23								
20	HQAM	50	50	21.17	21.24	21.24			21	3				
20	HQAM	100	0	21.27	21.38	21.26								
20	HQAM	1	0	21.23	21.22	21.26			22	2				
20	HQAM	1	49	21.25	21.23	21.18								
20	HQAM	1	99	21.18	21.12	21.27			21	3				
20	HQAM	50	0	20.21	20.28	20.30								
20	HQAM	50	24	20.16	20.22	20.16			19	5				
20	HQAM	50	50	20.19	20.16	20.23								
20	HQAM	100	0	20.19	20.18	20.23			19	5				
20	HQAM	1	0	18.15	18.28	18.15								
20	HQAM	1	49	18.16	18.18	18.28			19	5				
20	HQAM	1	99	18.18	18.20	18.33								
20	HQAM	50	0	18.17	18.21	18.20			19	5				
20	HQAM	50	24	18.15	18.30	18.26								
20	HQAM	50	50	18.21	18.27	18.24			19	5				
20	HQAM	100	0	18.18	18.23	18.25								
Channel														
Frequency (MHz)														
15	QPSK	1	0	23.19	23.14	23.18			24	0				
15	QPSK	1	37	23.06	23.05	23.23								
15	QPSK	1	74	23.14	23.09	23.09			23	1				
15	QPSK	36	0	22.01	22.28	22.12								
15	QPSK	36	20	22.03	22.21	22.08			23	1				
15	QPSK	36	36	22.18	22.14	22.05								
15	QPSK	75	0	22.08	22.20	22.20			23	1				
15	HQAM	1	0	22.19	22.20	22.07								
15	HQAM	1	37	22.10	22.03	22.27			22	2				
15	HQAM	1	74	21.96	21.94	21.96								
15	HQAM	36	0	21.15	21.10	21.04			21	3				
15	HQAM	36	20	21.12	21.06	21.16								
15	HQAM	36	36	21.07	21.01	21.07			22	2				
15	HQAM	75	0	21.15	21.27	21.15								
15	HQAM	1	0	21.18	21.11	21.21			22	2				
15	HQAM	1	37	21.07	21.05	21.04								
15	HQAM	1	74	21.14	21.08	21.20			21	3				
15	HQAM	36	0	20.21	20.16	20.19								
15	HQAM	36	20	20.24	20.16	20.28			21	3				
15	HQAM	36	36	20.03	20.08	20.10								
15	HQAM	75	0	20.03	20.17	20.05			19	5				
15	HQAM	1	0	17.07	17.10	17.02								
15	HQAM	1	37	18.25	18.04	18.18			19	5				
15	HQAM	1	74	18.01	18.18	18.23								
15	HQAM	36	0	18.15	18.01	18.02			19	5				
15	HQAM	36	20	18.14	18.16	18.21								
15	HQAM	36	36	18.03	18.20	18.06			19	5				
15	HQAM	75	0	18.07	18.15	18.09								
Channel														
Frequency (MHz)														
10	QPSK	1	0	23.19	23.23	23.17			24	0				
10	QPSK	1	25	23.05	22.99	23.08								
10	QPSK	1	49	23.03	23.17	23.07			23	1				
10	QPSK	25	0	21.07	22.11	22.14								
10	QPSK	25	12	22.02	22.21	22.19			23	1				
10	QPSK	25	25	22.13	22.09	22.23								
10	QPSK	50	0	22.14	22.22	22.13			23	1				
10	HQAM	1	0	22.04	22.13	22.07								
10	HQAM	1	25	22.14	22.01	22.20			22	2				
10	HQAM	1	49	21.08	21.09	21.22								
10	HQAM	25	0	20.09	21.03	21.10			22	2				
10	HQAM	25	12	21.18	21.19	21.21								
10	HQAM	25	25	21.07	21.24	21.25			21	3				
10	HQAM	50	0	21.08	21.30	21.26								
10	HQAM	1	0	21.21	21.10	21.28			22	2				
10	HQAM	1	25	21.11	21.05	21.04								
10	HQAM	1	49	21.05	21.06	21.18			21	3				
10	HQAM	25	0	20.09	20.28	20.17								
10	HQAM	25	12	20.15	20.06	20.07			19	5				
10	HQAM	25	25	20.10	20.03	20.05								
10	HQAM	50	0	20.10	20.05	20.10			19	5				
10	HQAM	1	0	18.05	18.16	18.00								
10	HQAM	1	25	18.18	17.99	18.12			19	5				
10	HQAM	1	49	18.13	18.05	18.29								
10	HQAM	25	0	17.07	18.02	18.13			19	5				
10	HQAM	25	12	18.00	18.10	18.25								
10	HQAM	25	25	18.14	18.10	18.11			19	5				
10	HQAM	50	0	18.02	18.13	18.07								
Channel														
Frequency (MHz)														
5	QPSK	1	0	23.04	23.02	23.18			24	0				
5	QPSK	1	12	23.10	23.14	23.15								
5	QPSK	1	24	23.10	23.07	23.21			23	1				
5	QPSK	12	0	22.08	22.11	22.24								
5	QPSK	12	7	22.02	22.16	22.20			23	1				
5	QPSK	12	13	22.15	22.12	22.17								
5	QPSK	25	0	21.06	22.34	22.09			23	1				
5	HQAM	1	0	22.08	22.16	22.18								
5	HQAM	1	12	22.07	22.12	22.25			22	2				
5	HQAM	1	24	22.12	22.03	22.10								
5	HQAM	12	0	21.08	21.09	21.09			22	2				
5	HQAM	12	7	21.01	21.08	21.09								
5	HQAM	12	13	21.04	21.21	21.18			22	2				
5	HQAM	25	0	21.12	21.39	21.06								
5	HQAM	1	0	21.11	21.08	21.11			22	2				
5	HQAM	1	12	21.18	21.17	20.98								
5	HQAM	1	24	20.98	20.98	21.21			21	3				
5	HQAM	12	0	20.08	20.11	20.20								
5	HQAM	12	7	20.12	20.18	20.15			19	5				
5	HQAM	12	13	20.10	20.03	20.04								
5	HQAM	25	0	20.05	20.13	20.07			19	5				
5	HQAM	1	0	18.13	18.17	17.99								
5	HQAM	1	12	18.20	18.08	18.15			19	5				
5	HQAM	1	24	18.03	18.05	18.28								
5	HQAM	12							19	5				
5	HQAM	12	13	18.05	18.21	18.07								



Band 17 Ant1 Full Power														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./ Freq. (MHz)	Power Med Ch./ Freq. (MHz)	Power High Ch./ Freq. (MHz)	Tune-up Int. (sec)	MFR (dB)						
Channel														
Frequency (MHz)														
10	QPSK	1	0	22.86	22.96	22.77	24	0						
10	QPSK	5	0	22.84	22.84	22.83								
10	QPSK	1	40	22.81	22.81	22.83								
10	QPSK	25	0	22.10	22.16	22.48								
10	QPSK	25	12	22.15	22.09	22.10	23	1						
10	QPSK	25	25	22.04	22.03	22.05								
10	QPSK	50	0	22.02	22.12	22.10								
10	HQAM	1	0	22.42	22.28	22.30								
10	HQAM	1	25	22.37	22.38	22.38	23	1						
10	HQAM	1	40	22.38	22.40	22.38								
10	HQAM	25	0	21.12	21.15	21.12								
10	HQAM	25	12	21.18	21.12	21.12								
10	HQAM	25	25	21.15	21.15	21.19	22	2						
10	HQAM	50	0	21.19	21.11	21.10								
10	HQAM	1	0	21.25	21.22	21.19								
10	HQAM	1	25	21.16	21.22	21.20								
10	HQAM	1	40	21.19	21.25	21.33	21	3						
10	HQAM	25	0	20.09	20.11	20.11								
10	HQAM	25	12	20.19	20.12	20.15								
10	HQAM	25	25	20.14	20.08	20.14								
10	HQAM	50	0	20.15	20.04	20.05	19	5						
10	SSBQAM	1	0	18.24	18.35	18.30								
10	SSBQAM	1	25	18.14	18.26	18.21								
10	SSBQAM	1	40	18.27	18.23	18.17								
10	SSBQAM	25	0	18.14	18.17	18.12	19	5						
10	SSBQAM	25	12	18.15	18.15	18.10								
10	SSBQAM	25	25	18.02	18.09	18.04								
10	SSBQAM	50	0	17.95	18.02	17.97								
Channel														
Frequency (MHz)														
5	QPSK	1	0	22.61	22.94	22.87	24	0						
5	QPSK	1	12	22.91	22.88	22.88								
5	QPSK	1	24	22.84	22.82	22.77								
5	QPSK	12	0	22.13	22.13	22.10								
5	QPSK	12	7	22.16	22.17	22.13	23	1						
5	QPSK	12	13	22.08	22.08	22.05								
5	QPSK	25	0	22.18	22.10	22.11								
5	HQAM	1	0	22.43	22.42	22.43								
5	HQAM	1	12	22.37	22.48	22.48	23	1						
5	HQAM	1	24	22.37	22.48	22.38								
5	HQAM	12	0	21.19	21.17	21.14								
5	HQAM	12	7	21.20	21.21	21.16								
5	HQAM	1	12	21.24	21.22	21.17	22	2						
5	HQAM	25	0	21.17	21.10	21.16								
5	HQAM	1	0	21.38	21.38	21.31								
5	HQAM	1	12	21.34	21.32	21.31								
5	HQAM	1	24	21.29	21.29	21.24	21	3						
5	HQAM	12	7	20.17	20.14	20.16								
5	HQAM	12	13	20.14	20.09	20.10								
5	HQAM	25	0	20.18	20.06	20.13								
5	SSBQAM	1	0	18.18	18.35	18.35	19	5						
5	SSBQAM	1	12	18.10	18.22	18.15								
5	SSBQAM	1	24	18.23	18.18	18.12								
5	SSBQAM	1	0	18.09	18.12	18.07								
5	SSBQAM	12	7	18.12	18.09	18.06	19	5						
5	SSBQAM	12	13	17.96	18.04	17.99								
5	SSBQAM	25	0	17.95	17.98	17.92								

Band 26 Ant1 Full Power														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Med Ch./Freq.	Power High Ch./Freq.	Tune-up Int. (sec)	MFR (dB)						
Channel														
Frequency (MHz)														
15	QPSK	1	0	22.86	22.94	22.63	24	0						
15	QPSK	1	25	22.83	22.85	22.62								
15	QPSK	1	74	22.71	22.63	22.52								
15	QPSK	36	0	21.89	21.93	21.75								
15	QPSK	36	25	21.81	21.87	21.85	23	1						
15	QPSK	36	39	21.92	21.83	21.78								
15	QPSK	75	0	21.87	21.88	21.76								
15	HQAM	1	0	22.19	22.08	22.09								
15	HQAM	1	37	22.14	22.03	21.95	23	1						
15	HQAM	1	74	22.08	21.97	21.91								
15	HQAM	36	0	21.91	20.93	20.71								
15	HQAM	36	20	21.91	20.98	20.77								
15	HQAM	36	39	20.95	20.85	20.71	22	2						
15	HQAM	75	0	20.99	20.88	20.75								
15	HQAM	1	0	21.05	20.94	20.89								
15	HQAM	1	37	21.02	20.90	20.86								
15	HQAM	1	74	20.91	20.86	20.87	21	3						
15	HQAM	36	0	20.01	19.85	19.71								
15	HQAM	36	20	19.99	19.94	19.79								
15	HQAM	36	39	19.97	19.94	19.74								
15	SSBQAM	1	0	18.00	18.04	17.97	19	5						
15	SSBQAM	1	37	17.88	17.94	17.86								
15	SSBQAM	1	74	17.87	17.83	17.88								
15	SSBQAM	36	0	17.84	17.89	17.83								
15	SSBQAM	36	20	17.78	17.84	17.79	19	5						
15	SSBQAM	36	39	17.73	17.78	17.68								
15	SSBQAM	75	0	17.81	17.85	17.63								
15	SSBQAM	75	0	17.65	17.72	17.62								
Channel														
Frequency (MHz)														
15	QPSK	1	0	22.86	22.86	22.78	24	0						
15	QPSK	1	25	22.93	22.84	22.78								
15	QPSK	1	49	22.93	22.75	22.75								
15	QPSK	25	0	22.15	21.91	21.81								
15	QPSK	12	0	21.98	21.98	21.83	23	1						
15	QPSK	25	25	22.11	21.95	21.87								
15	QPSK	50	0	22.14	21.96	21.81								
15	HQAM	1	0	22.34	22.22	22.14								
15	HQAM	1	25	22.31	22.18	22.09	23	1						
15	HQAM	1	49	22.28	22.14	22.05								
15	HQAM	25	0	21.18	21.91	21.85								
15	HQAM	25	12	21.17	21.01	21.07								
15	HQAM	50	0	21.15	21.02	20.85	22	2						
15	HQAM	1	0	21.23	21.06	21.01								
15	HQAM	1	25	21.26	21.09	21.02								
15	HQAM	1	49	21.19	21.00	20.94								
15	HQAM	25	0	20.18	19.94	19.82	21	3						
15	HQAM	25	12	20.18	19.90	19.85								
15	HQAM	25	25	20.13	19.99	19.85								
15	HQAM	50	0	20.13	19.99	19.85								
15	SSBQAM	1	0	17.96	18.08	17.98	19	5						
15	SSBQAM	1	25	17.83	17.91	17.77								
15	SSBQAM	1	49	17.80	17.87	17.85								
15	SSBQAM	1	0	17.78	17.79	17.81								
15	SSBQAM	25	12	17.75	17.75	17.72	19	5						
15	SSBQAM	25	25	17.66	17.72	17.62								
15	SSBQAM	50	0	17.73	17.79	17.79								

Band 38-PC3 Ant1 Full Power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	23.31	23.36	23.27	24	0	
20	QPSK	1	49	23.15	23.19	23.13			
20	QPSK	1	99	23.02	23.03	23.06			
20	QPSK	50	0	22.27	22.31	22.20	23	1	
20	QPSK	50	24	22.25	22.23	22.17			
20	QPSK	50	50	22.08	22.12	22.10			
20	QPSK	100	0	22.20	22.26	22.17	23	1	
20	16QAM	1	0	22.53	22.57	22.51			
20	16QAM	1	49	22.40	22.45	22.43			
20	16QAM	1	99	22.28	22.31	22.25	22	2	
20	16QAM	50	0	21.28	21.30	21.29			
20	16QAM	50	24	21.17	21.24	21.23			
20	16QAM	50	50	21.14	21.20	21.13	22	2	
20	16QAM	100	0	21.23	21.25	21.20			
20	64QAM	1	0	21.36	21.41	21.38			
20	64QAM	1	49	21.20	21.28	21.21	22	2	
20	64QAM	1	99	21.12	21.12	21.10			
20	64QAM	50	0	20.31	20.29	20.27			
20	64QAM	50	24	20.20	20.27	20.22	21	3	
20	64QAM	50	50	20.12	20.19	20.18			
20	64QAM	100	0	20.23	20.26	20.22			
20	256QAM	1	0	18.30	18.30	18.25	19	5	
20	256QAM	1	49	18.21	18.21	18.18			
20	256QAM	1	99	18.09	18.08	18.05			
20	256QAM	50	0	18.36	18.39	18.37	19	5	
20	256QAM	50	24	18.36	18.37	18.31			
20	256QAM	50	50	18.24	18.25	18.19			
20	256QAM	100	0	18.16	18.24	18.20	Tune-up limit (dBm)	MPR (dB)	
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	23.25	23.25	23.24	24	0	
15	QPSK	1	37	23.09	23.18	23.06			
15	QPSK	1	74	23.10	23.01	23.03			
15	QPSK	36	0	22.21	22.23	22.16	23	1	
15	QPSK	36	20	22.22	22.18	22.10			
15	QPSK	36	39	22.07	22.10	22.08			
15	QPSK	75	0	22.17	22.18	22.12	23	1	
15	16QAM	1	0	22.47	22.53	22.47			
15	16QAM	1	37	22.37	22.41	22.42			
15	16QAM	1	74	22.22	22.28	22.23	22	2	
15	16QAM	36	0	21.26	21.28	21.28			
15	16QAM	36	20	21.13	21.22	21.19			
15	16QAM	36	39	21.12	21.13	21.11	22	2	
15	16QAM	75	0	21.17	21.24	21.16			
15	64QAM	1	0	21.32	21.39	21.34			
15	64QAM	1	37	21.16	21.25	21.15	22	2	
15	64QAM	1	74	21.05	21.10	21.05			
15	64QAM	36	0	20.28	20.23	20.20			
15	64QAM	36	20	20.13	20.21	20.17	21	3	
15	64QAM	36	39	20.10	20.16	20.12			
15	64QAM	75	0	20.19	20.20	20.15			
15	256QAM	1	0	18.25	18.25	18.22	19	5	
15	256QAM	1	37	18.14	18.17	18.15			
15	256QAM	1	74	18.03	18.07	18.05			
15	256QAM	36	0	18.32	18.36	18.32	19	5	
15	256QAM	36	20	18.30	18.32	18.24			
15	256QAM	36	39	18.19	18.23	18.17			
15	256QAM	75	0	18.13	18.18	18.16	Tune-up limit (dBm)	MPR (dB)	
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	23.25	23.24	23.21	24	0	
10	QPSK	1	25	23.08	23.13	23.07			
10	QPSK	1	49	23.10	23.05	23.01			
10	QPSK	25	0	22.20	22.18	22.14	23	1	
10	QPSK	25	12	22.19	22.18	22.11			
10	QPSK	25	25	22.03	22.05	22.03			
10	QPSK	50	0	22.14	22.12	22.12	23	1	
10	16QAM	1	0	22.48	22.52	22.46			
10	16QAM	1	25	22.33	22.38	22.37			
10	16QAM	1	49	22.22	22.26	22.18	22	2	
10	16QAM	25	0	21.23	21.25	21.23			
10	16QAM	25	12	21.10	21.17	21.16			
10	16QAM	25	25	21.09	21.15	21.08	22	2	
10	16QAM	50	0	21.18	21.18	21.13			
10	64QAM	1	0	21.31	21.36	21.33			
10	64QAM	1	25	21.14	21.22	21.15	22	2	
10	64QAM	1	49	21.06	21.07	21.05			
10	64QAM	25	0	20.25	20.23	20.22			
10	64QAM	25	12	20.13	20.20	20.16	21	3	
10	64QAM	25	25	20.06	20.14	20.11			
10	64QAM	50	0	20.17	20.20	20.17			
10	256QAM	1	0	18.23	18.24	18.19	19	5	
10	256QAM	1	25	18.15	18.14	18.13			
10	256QAM	1	49	18.04	18.02	18.00			
10	256QAM	25	0	18.29	18.34	18.31	19	5	
10	256QAM	25	12	18.30	18.31	18.26			
10	256QAM	25	25	18.18	18.19	18.12			
10	256QAM	50	0	18.09	18.19	18.13	Tune-up limit (dBm)	MPR (dB)	
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	23.35	23.33	23.29	24	0	
5	QPSK	1	12	23.19	23.23	23.17			
5	QPSK	1	24	23.05	23.07	23.00			
5	QPSK	12	0	22.29	22.28	22.24	23	1	
5	QPSK	12	7	22.28	22.26	22.21			
5	QPSK	12	13	22.12	22.15	22.13			
5	QPSK	25	0	22.23	22.22	22.20	23	1	
5	16QAM	1	0	22.55	22.59	22.54			
5	16QAM	1	12	22.43	22.47	22.47			
5	16QAM	1	24	22.31	22.34	22.28	22	2	
5	16QAM	12	0	21.31	21.33	21.32			
5	16QAM	12	7	21.19	21.26	21.26			
5	16QAM	12	13	21.18	21.23	21.16	22	2	
5	16QAM	25	0	21.27	21.28	21.23			
5	64QAM	1	0	21.40	21.44	21.40			
5	64QAM	1	12	21.24	21.30	21.24	22	2	
5	64QAM	1	24	21.15	21.14	21.14			
5	64QAM	12	0	20.34	20.33	20.30			
5	64QAM	12	7	20.24	20.30	20.25	21	3	
5	64QAM	12	13	20.16	20.22	20.21			
5	64QAM	25	0	20.25	20.29	20.25			
5	256QAM	1	0	18.32	18.32	18.29	19	5	
5	256QAM	1	12	18.23	18.23	18.21			
5	256QAM	1	24	18.13	18.12	18.09			
5	256QAM	12	0	18.38	18.41	18.40	19	5	
5	256QAM	12	7	18.39	18.39	18.35			
5	256QAM	12	13	18.27	18.27	18.23			
5	256QAM	25	0	18.19	18.26	18.24	Tune-up limit (dBm)	MPR (dB)	
Channel				37750	38000	38250	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2570	2595	2617.5			
5	QPSK	1	0	26.16 <td>26.25<td>26.27</td><td rowspan="2">24</td><td rowspan="2">0</td></td>	26.25 <td>26.27</td> <td rowspan="2">24</td> <td rowspan="2">0</td>	26.27	24	0	
5	QPSK	1	12	26.11	26.24	26.22			
5	QPSK	1	24	26.05	26.07	26.00	23	1	
5	QPSK	12	0	22.29	22.28	22.24			
5	QPSK	12	7	22.28	22.26	22.21	23	1	
5	QPSK	12	13	22.12	22.15	22.13			
5	QPSK	25	0	22.23	22.22	22.20	23	1	
5	16QAM	1	0	22.55	22.59	22.54			
5	16QAM	1	12	22.43	22.47	22.47	23	1	
5	16QAM	1	24	22.31	22.34	22.28			
5	16QAM	12	0	21.31	21.33	21.32	22	2	
5	16QAM	12	7	21.19	21.26	21.26			
5	16QAM	12	13	21.18	21.23	21.16	22	2	
5	16QAM	25	0	21.27	21.28	21.23			
5	64QAM	1	0	21.40	21.44	21.40	22	2	
5	64QAM	1	12	21.24	21.30	21.24			
5	64QAM	1	24	21.15	21.14	21.14	21	3	
5	64QAM	12	0	20.34	20.33	20.30			
5	64QAM	12	7	20.24	20.30	20.25	21	3	
5	64QAM	12	13	20.16	20.22	20.21			
5	64QAM	25	0	20.25	20.29	20.25	19	5	
5	256QAM	1	0	18.32	18.32	18.29			
5	256QAM	1	12	18.23	18.23	18.21	19	5	
5	256QAM	1	24	18.13	18.12	18.09			
5	256QAM	12	0	18.38	18.41	18.40	19	5	
5	256QAM	12	7	18.39	18.39	18.35			
5	256QAM	12	13	18.27	18.27	18.23	19	5	
5	256QAM	25	0	18.19	18.26	18.24			

Band 41 -PC3 Ant1 Full Power										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	24	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.33	23.30	23.39	23.28	23.27	23	1
20	QPSK	1	49	23.21	23.17	23.12	23.14	23.16		
20	QPSK	1	99	23.06	23.00	23.06	23.02	23.01		
20	QPSK	50	0	22.28	22.22	22.34	22.07	22.25		
20	QPSK	50	24	22.27	22.19	22.04	22.01	22.22	23	1
20	QPSK	50	50	22.16	22.13	22.05	22.04	22.08		
20	QPSK	100	0	22.21	22.20	22.29	22.03	22.19		
20	16QAM	1	0	22.59	22.54	22.34	22.31	22.36		
20	16QAM	1	49	22.48	22.45	22.22	22.23	22.41	23	1
20	16QAM	1	99	22.33	22.28	22.13	22.10	22.29		
20	16QAM	50	0	21.32	21.33	21.12	21.13	21.32		
20	16QAM	50	24	21.26	21.27	21.11	21.13	21.23		
20	16QAM	50	50	21.23	21.16	21.12	21.09	21.20	22	2
20	16QAM	100	0	21.27	21.23	21.09	21.11	21.26		
20	64QAM	1	0	21.44	21.41	21.17	21.15	21.43		
20	64QAM	1	49	21.32	21.24	21.06	21.04	21.28		
20	64QAM	1	99	21.15	21.14	21.03	21.20	21.09	22	2
20	64QAM	50	0	20.31	20.31	20.19	20.15	20.30		
20	64QAM	50	24	20.30	20.24	20.13	20.10	20.24		
20	64QAM	50	50	20.22	20.22	20.10	20.07	20.18		
20	64QAM	100	0	20.29	20.25	20.08	20.10	20.26	21	3
20	256QAM	1	0	18.32	18.28	18.14	18.10	18.32		
20	256QAM	1	49	18.24	18.20	18.22	18.23	18.23		
20	256QAM	1	99	18.11	18.07	18.12	18.04	18.04		
20	256QAM	50	0	18.42	18.40	18.21	18.19	18.40	19	5
20	256QAM	50	24	18.40	18.33	18.18	18.17	18.36		
20	256QAM	50	50	18.29	18.23	18.21	18.19	18.25		
20	256QAM	100	0	18.27	18.23	18.09	18.05	18.21		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	24.00	0
15	QPSK	1	0	23.31	23.31	23.29	23.27	23.23		
15	QPSK	1	37	23.19	23.16	23.12	23.10	23.13	23	1
15	QPSK	1	74	23.02	23.05	23.02	23.02	23.01		
15	QPSK	36	0	22.25	22.20	22.08	22.08	22.25		
15	QPSK	36	20	22.28	22.17	22.05	22.00	22.18		
15	QPSK	36	39	22.15	22.14	22.04	22.01	22.05	23	1
15	QPSK	75	0	22.19	22.21	22.03	22.10	22.16		
15	16QAM	1	0	22.56	22.53	22.33	22.28	22.55		
15	16QAM	1	37	22.49	22.42	22.23	22.21	22.41		
15	16QAM	1	74	22.30	22.27	22.15	22.11	22.27	23	1
15	16QAM	36	0	21.34	21.34	21.11	21.11	21.30		
15	16QAM	36	20	21.23	21.28	21.07	21.10	21.24		
15	16QAM	36	39	21.23	21.15	21.12	21.11	21.18		
15	16QAM	75	0	21.27	21.19	21.05	21.12	21.27	22	2
15	64QAM	1	0	21.42	21.40	21.15	21.15	21.42		
15	64QAM	1	37	21.31	21.22	21.16	21.24	21.26		
15	64QAM	1	74	21.14	21.10	21.25	21.23	21.10		
15	64QAM	36	0	20.28	20.29	20.18	20.15	20.31	22	2
15	64QAM	36	20	20.27	20.21	20.13	20.11	20.23		
15	64QAM	36	39	20.20	20.21	20.09	20.05	20.15		
15	64QAM	75	0	20.29	20.24	20.05	20.11	20.26		
15	256QAM	1	0	18.31	18.30	18.15	18.07	18.30	21	3
15	256QAM	1	37	18.23	18.19	18.26	18.24	18.25		
15	256QAM	1	74	18.09	18.06	18.22	18.03	18.01		
15	256QAM	36	0	18.43	18.40	18.19	18.21	18.40		
15	256QAM	36	20	18.39	18.30	18.18	18.14	18.33	19	5
15	256QAM	36	39	18.30	18.24	18.20	18.17	18.26		
15	256QAM	75	0	18.28	18.19	18.07	18.04	18.21		
15	256QAM	75	0	18.28	18.19	18.07	18.04	18.21		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685	24.00	0
10	QPSK	1	0	23.29	23.22	23.31	23.23	23.26		
10	QPSK	1	25	23.13	23.09	23.03	23.12	23.12	23	1
10	QPSK	1	49	23.04	23.00	23.00	23.00	23.01		
10	QPSK	25	0	22.19	22.19	22.03	22.06	22.18		
10	QPSK	25	12	22.19	22.11	22.04	22.19	22.12		
10	QPSK	25	25	22.07	22.07	22.05	22.02	22.04	23	1
10	QPSK	50	0	22.18	22.18	22.19	22.21	22.14		
10	16QAM	1	0	22.41	22.49	22.33	22.24	22.50		
10	16QAM	1	25	22.44	22.41	22.18	22.18	22.33		
10	16QAM	1	49	22.24	22.27	22.25	22.12	22.20	23	1
10	16QAM	25	0	21.25	21.25	21.11	21.10	21.28		
10	16QAM	25	12	21.21	21.24	21.04	21.09	21.16		
10	16QAM	25	25	21.22	21.11	21.07	21.05	21.19		
10	16QAM	50	0	21.20	21.16	21.07	21.10	21.22	22	2
10	64QAM	1	0	21.41	21.32	21.17	21.11	21.34		
10	64QAM	1	25	21.27	21.20	21.25	21.16	21.28		
10	64QAM	1	49	21.12	21.11	21.22	21.17	21.31		
10	64QAM	25	0	20.27	20.30	20.10	20.05	20.29	21	3
10	64QAM	25	12	20.30	20.20	20.10	20.08	20.22		
10	64QAM	25	25	20.17	20.16	20.05	20.01	20.10		
10	64QAM	50	0	20.22	20.18	20.02	20.10	20.20		
10	256QAM	1	0	18.26	18.22	18.11	18.05	18.31	19	5
10	256QAM	1	25	18.21	18.14	18.27	18.14	18.19		
10	256QAM	1	49	18.10	18.02	18.22	18.16	18.19		
10	256QAM	25	0	18.33	18.31	18.18	18.19	18.36		
10	256QAM	25	12	18.30	18.31	18.16	18.14	18.28	19	5
10	256QAM	25	25	18.26	18.15	18.20	18.18	18.16		
10	256QAM	50	0	18.21	18.20	18.01	18.00	18.19		
10	256QAM	50	0	18.21	18.20	18.01	18.00	18.19		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	24.00	0
5	QPSK	1	0	23.28	23.24	23.28	23.22	23.24		
5	QPSK	1	12	23.18	23.14	23.07	23.09	23.12	23	1
5	QPSK	1	24	23.03	23.16	23.03	23.11	23.17		
5	QPSK	12	0	22.25	22.19	22.06	22.04	22.22		
5	QPSK	12	7	22.22	22.16	22.19	22.19	22.16		
5	QPSK	12	13	22.11	22.09	22.01	22.02	22.02	23	1
5	QPSK	25	0	22.15	22.18	22.14	22.03	22.16		
5	16QAM	1	0	22.56	22.51	22.31	22.25	22.51		
5	16QAM	1	12	22.45	22.42	22.17	22.19	22.39		
5	16QAM	1	24	22.30	22.24	22.18	22.35	22.26	23	1
5	16QAM	12	0	21.30	21.27	21.10	21.08	21.28		
5	16QAM	12	7	21.24	21.22	21.07	21.10	21.19		
5	16QAM	12	13	21.19	21.12	21.07	21.04	21.17		
5	16QAM	25	0	21.22	21.18	21.04	21.08	21.21	22	2
5	64QAM	1	0	21.39	21.38	21.15	21.12	21.38		
5	64QAM	1	12	21.29	21.19	21.15	21.18	21.26		
5	64QAM	1	24	21.11	21.09	21.17	21.07	21.03		
5	64QAM	12	0	20.26	20.25	20.14	20.09	20.25	21	3
5	64QAM	12	7	20.25	20.20	20.08	20.07	20.19		
5	64QAM	12	13	20.18	20.18	20.07	20.03	20.13		
5	64QAM	25	0	20.24	20.23	20.06	20.05	20.21		
5	256QAM	1	0	18.28	18.22	18.10	18.06	18.28	19	5
5	256QAM	1	12	18.21	18.16	18.12	18.24	18.19		
5	256QAM	1	24	18.06	18.03	18.22	18.23	18.14		
5	256QAM	12	0	18.36	18.34	18.18	18.15	18.37		
5	256QAM	12	7	18.35	18.29	18.12	18.12	18.32	19	5
5	256QAM	12	13	18.25	18.19	18.17	18.16	18.21		
5	256QAM	25	0	18.24	18.19	18.03	18.00	18.15		
5	256QAM	25	0	18.24	18.19	18.03	18.00	18.15		

Band		Ant2 Full Power			Tune-up Limit (dBm)
		WCDMA V			
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2 Kbps	22.49	22.55	22.42	24.00
3GPP Rel 99	RMG 12.2 Kbps	22.61	22.69	22.54	24.00
3GPP Rel 6	HSDPA Subtest-1	22.15	22.16	22.10	23.00
3GPP Rel 6	HSDPA Subtest-2	22.20	22.13	22.06	23.00
3GPP Rel 6	HSDPA Subtest-3	21.72	21.69	21.58	22.50
3GPP Rel 6	HSDPA Subtest-4	21.72	21.65	21.60	22.50
3GPP Rel 6	DC-HSDPA Subtest-1	22.14	22.12	22.04	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.16	22.11	22.00	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.68	21.67	21.53	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.69	21.55	21.45	22.50
3GPP Rel 6	HSUPA Subtest-1	22.20	22.13	22.04	23.00
3GPP Rel 6	HSUPA Subtest-2	20.15	20.10	20.10	21.00
3GPP Rel 6	HSUPA Subtest-3	21.19	21.13	21.02	22.00
3GPP Rel 6	HSUPA Subtest-4	20.27	20.13	20.08	21.00
3GPP Rel 6	HSUPA Subtest-5	22.11	22.14	22.02	23.00

Band 4 Ant2 Full Power														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up (ms)	MPR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	22.59	22.73	22.87	24	0						
10	QPSK	1	49	22.87	22.88	22.89								
10	QPSK	1	99	22.84	22.83	22.81								
10	QPSK	50	0	21.65	21.61	21.59								
10	QPSK	50	24	21.54	21.72	21.87	23	1						
10	QPSK	50	50	21.56	21.58	21.68								
10	16QAM	1	0	21.55	21.62	21.62								
10	16QAM	1	49	21.58	21.73	21.83								
10	16QAM	1	99	21.60	21.57	21.52	23	1						
10	16QAM	50	0	20.65	20.70	20.58								
10	16QAM	50	24	20.52	20.77	20.90								
10	16QAM	50	50	20.63	20.73	20.76								
10	64QAM	1	0	20.56	20.72	20.72	22	2						
10	64QAM	1	49	20.60	20.76	20.53								
10	64QAM	1	99	20.66	20.66	20.53								
10	64QAM	50	0	19.52	19.66	19.58								
10	256QAM	100	0	19.65	19.63	19.53	21	3						
10	256QAM	1	0	17.56	17.60	17.67								
10	256QAM	1	49	17.66	17.63	17.62								
10	256QAM	1	99	17.67	17.67	17.69								
10	256QAM	50	0	17.60	17.58	17.65	19	5						
10	256QAM	50	24	17.51	17.65	17.68								
10	256QAM	50	50	17.69	17.63	17.61								
10	256QAM	100	0	17.71	17.69	17.72								
Channel														
Frequency (MHz)														
19	QPSK	1	0	22.58	22.73	22.81	24	0						
19	QPSK	1	37	22.53	22.91	22.39								
19	QPSK	1	74	22.84	22.58	22.44								
19	QPSK	36	0	21.49	21.70	21.53								
19	QPSK	36	36	21.45	21.66	21.49	23	1						
19	QPSK	36	39	21.47	21.56	21.53								
19	QPSK	75	0	21.51	21.76	21.53								
19	16QAM	1	0	21.39	21.71	21.59								
19	16QAM	1	37	21.42	21.54	21.55	23	1						
19	16QAM	1	74	21.41	21.64	21.42								
19	16QAM	36	0	20.67	20.67	20.39								
19	16QAM	36	39	20.44	20.71	20.43								
19	16QAM	75	0	20.51	20.71	20.38	22	2						
19	16QAM	75	39	20.53	20.65	20.53								
19	64QAM	1	0	20.52	20.66	20.72								
19	64QAM	1	37	20.50	20.65	20.53								
19	64QAM	1	74	20.53	20.52	20.39	22	2						
19	64QAM	36	0	19.51	19.57	19.53								
19	64QAM	36	39	19.56	19.52	19.51								
19	64QAM	36	39	19.71	19.51	19.59								
19	64QAM	75	0	19.47	19.72	19.52	19	5						
19	256QAM	1	0	17.63	17.65	17.66								
19	256QAM	1	37	17.64	17.58	17.51								
19	256QAM	1	74	17.56	17.71	17.48								
19	256QAM	36	0	17.45	17.56	17.48	19	5						
19	256QAM	36	39	17.68	17.61	17.52								
19	256QAM	75	0	17.65	17.68	17.34								
Channel														
Frequency (MHz)														
19	QPSK	1	0	22.54	22.73	22.81	24	0						
10	QPSK	1	26	22.53	22.52	22.40								
10	QPSK	1	49	22.84	22.81	22.49								
10	QPSK	1	99	22.84	22.83	22.81								
10	QPSK	25	12	21.51	21.53	21.50	23	1						
10	QPSK	25	25	21.51	21.58	21.62								
10	QPSK	50	0	21.56	21.66	21.66								
10	16QAM	1	0	21.41	21.60	21.51								
10	16QAM	1	26	21.52	21.72	21.60	23	1						
10	16QAM	1	49	21.51	21.40	21.34								
10	16QAM	25	0	20.50	20.50	20.44								
10	16QAM	25	12	20.44	20.63	20.34								
10	16QAM	25	24	20.43	20.60	20.63	22	2						
10	16QAM	50	0	20.60	20.59	20.43								
10	64QAM	1	0	20.50	20.71	20.66								
10	64QAM	1	26	20.57	20.50	20.36								
10	64QAM	1	49	20.66	20.52	20.46	22	2						
10	64QAM	25	0	19.45	19.62	19.43								
10	64QAM	25	12	19.54	19.46	19.63								
10	64QAM	25	25	19.71	19.46	19.66								
10	64QAM	50	0	19.61	19.72	19.42	21	3						
10	256QAM	1	0	17.41	17.70	17.65								
10	256QAM	1	26	17.50	17.61	17.53								
10	256QAM	1	49	17.63	17.60	17.44								
10	256QAM	25	0	17.53	17.71	17.64	19	5						
10	256QAM	25	12	17.38	17.50	17.51								
10	256QAM	25	25	17.67	17.63	17.51								
10	256QAM	50	0	17.71	17.61	17.41								
Channel														
Frequency (MHz)														
19	QPSK	1	0	22.54	22.73	22.81	24	0						
5	QPSK	1	12	22.38	22.61	22.52								
5	QPSK	1	24	22.52	22.44	22.47								
5	QPSK	12	0	21.63	21.66	21.48								
5	QPSK	12	7	21.53	21.62	21.50	23	1						
5	QPSK	12	13	21.41	21.46	21.50								
5	QPSK	25	0	21.44	21.74	21.51								
5	16QAM	1	0	21.53	21.73	21.55								
5	16QAM	1	12	21.50	21.69	21.43	23	1						
5	16QAM	1	24	21.48	21.66	21.45								
5	16QAM	12	0	20.50	20.67	20.36								
5	16QAM	12	7	20.52	20.64	20.47								
5	16QAM	12	13	20.63	20.70	20.67	22	2						
5	16QAM	25	0	20.47	20.72	20.42								
5	64QAM	1	0	20.55	20.60	20.53								
5	64QAM	1	12	20.42	20.61	20.43								
5	64QAM	1	24	20.55	20.49	20.39	22	2						
5	64QAM	12	0	19.46	19.62	19.47								
5	64QAM	12	7	19.47	19.66	19.57								
5	64QAM	12	13	19.54	19.40	19.55								
5	64QAM	25	0	19.51	19.71	19.36	21	3						
5	256QAM	1	0	17.42	17.66	17.56								
5	256QAM	1	12	17.50	17.69	17.50								
5	256QAM	1	24	17.51	17.65	17.46								
5	256QAM	12	0	17.50	17.66	17.55	19	5						
5	256QAM	12	7	17.38	17.50	17.51								
5	256QAM	12	13	17.60	17.52	17.48								
5	256QAM	25	0	17.67	17.69	17.49								
Channel														
Frequency (MHz)														
3	QPSK	1	0	22.43	22.64	22.63	24	0						
14	QPSK	1	3	22.48	22.60	22.41								
14	QPSK	1	14	22.51	22.52	22.35								
3	QPSK	8	0	21.49	21.68	21.54								
3	QPSK	8	7	21.52	21.54	21.67	23	1						
3	QPSK	8	7	21.39	21.51	21.51								
3	QPSK	16	0	21.60	21.82	21.55								
3	16QAM	1	0	21.57	21.81	21.50								
3	16QAM	1	6	21.41	21.41	21.54	23	1						
3	16QAM	1	14	21.48	21.46	21.39								
3	16QAM	8	0	20.48	20.48	20.45								
3	16QAM	8	7	20.48	20.69	20.66								
3	16QAM	8	14	20.48	20.70	20.63	22	2						
3	16QAM	8	0	20.42	20.64	20.61								
3	16QAM	16	0	20.57	20.68	20.38								
3	16QAM	16	7	20.57	20.68	20.47								
3	16QAM	8	0	19.32	19.49	19.37	21	3						
3	16QAM	8	4	19.51	19.46	19.35								
3	16QAM	8	7	19.57	19.47	19.38								
3	16QAM	16	0	19.57	19.81	19.42								
3	16QAM	16	7	19.70	19.79	19.48	19	5						
3	256QAM	1	0	17.42	17.66	17.56								
3	256QAM	1	14	17.63	17.60	17.43								
3	256QAM	1	7	17.53	17.72	17.48								
3	256QAM	8	0	17.40	17.63	17.55	19	5						
3	256QAM	8	7	17.61	17.57	17.54								
3	256QAM	8	14	17.62	17.63	17.41								
Channel														
Frequency (MHz)														
19	QPSK	1	0	22.59	22.73	22.87	24	0						
14	QPSK	1	3	22.48	22.58	22.41								
14	QPSK	1	14	22.51	22.52	22.35								
14	QPSK	3	0	21.49	21.68	21.54								
14	QPSK	3	7	21.52	21.54	21.67	23	1						
14	QPSK	3	7	21.39	21.51	21.51								
14	QPSK	16	0	21.60	21.82	21.55								
14	16QAM	1	0	21.57	21.81	21.50								
14	16QAM	1	6	21.41	21.41	21.54	23	1						
14	16QAM	1	14	21.48	21.46	21.39								
14	16QAM	8	0	20.45	20.48	20.45								
14	16QAM	8	7	20.48	20.69	20.66								
14	16QAM	8	14	20.48	20.70	20.63	22	2						
14	16QAM	8	0	20.42	20.64	20.61								
14	16QAM	16	0	20.57	20.68	20.38								
14	16QAM	16	7	20.57	20.68	20.47								
14	16QAM	8	0	19.32	19.49	19.37	21	3						
14	16QAM	8	4	19.51	19.46	19.35								
14	16QAM	8	7	19.57	19.47	19.38								
14	16QAM	16	0	19.57	19.81	19.42								
14	16QAM	16	7	19.70	19.79	19.48	19	5						
14	256QAM	1	0	17.42	17.66	17.56								
14	256QAM	1	14	17.63	17.60	17.43								
14	256QAM	1	7	17.53	17.72	17.48								
14	256QAM	8	0	17.40	17.63	17.55	19	5						
14	256QAM	8	7	17.61	17.57	17.54								
14	256QAM	8	14	17.62	17.63	17.41								
Channel														
Frequency (MHz)														
19	QPSK	1	0	22.59	22.73	22.87	24	0						
14	QPSK	1	3	22.48	22.58	22.41								
14	QPSK	1	14	22.51	22.52	22.35								
14	QPSK	3	0	21.49	21.68	21.54								
14	QPSK	3	7	21.52	21.54	21.67	23	1						
14	QPSK	3	7	21.39	21.51	21.51								
14	QPSK	16	0	21.60	21.82	21.55								
14	16QAM	1	0	21.57	21.81	21.50								
14	16QAM	1	6	21.41	21.41	21.54	23	1						

Band 7 Ant2 Full Power														
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up time (min)	APR3 (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	22.38	22.44	22.36	24	0						
20	QPSK	1	49	22.38	22.37	22.31								
20	QPSK	1	99	22.38	22.37	22.41								
20	QPSK	50	0	21.30	21.43	21.27								
20	QPSK	50	24	21.38	21.42	21.37	23	1						
20	QPSK	50	50	21.29	21.32	21.37								
20	QPSK	100	0	21.40	21.42	21.27								
20	16QAM	1	0	21.30	21.42	21.32								
20	16QAM	1	49	21.33	21.42	21.29	23	1						
20	16QAM	1	99	21.42	21.29	21.35								
20	16QAM	50	0	20.45	20.41	20.41								
20	16QAM	50	24	20.35	20.29	20.42								
20	16QAM	50	50	20.21	20.29	20.42	22	2						
20	16QAM	100	0	20.41	20.47	20.44								
20	16QAM	1	0	20.42	20.52	20.36								
20	16QAM	1	49	20.28	20.36	20.42								
20	16QAM	1	99	20.43	20.30	20.47	22	2						
20	16QAM	50	24	19.33	19.33	19.33								
20	16QAM	50	50	19.36	19.28	19.28								
20	16QAM	100	0	19.40	19.33	19.46								
20	256QAM	1	0	17.38	17.52	17.45	19	5						
20	256QAM	1	49	17.31	17.44	17.55								
20	256QAM	1	99	17.48	17.41	17.51								
20	256QAM	50	24	17.35	17.37	17.37								
20	256QAM	50	24	17.45	17.37	17.31	19	5						
20	256QAM	50	50	17.30	17.43	17.59								
20	256QAM	100	0	17.43	17.37	17.37								
Channel														
Frequency (MHz)														
15	QPSK	1	0	22.34	22.42	22.32	24	0						
15	QPSK	1	37	22.34	22.20	22.39								
15	QPSK	1	74	22.27	22.32	22.37								
15	QPSK	36	0	21.22	21.39	21.22								
15	QPSK	36	20	21.35	21.25	21.22	23	1						
15	QPSK	36	36	21.29	21.25	21.19								
15	QPSK	75	0	21.49	21.29	21.16								
15	16QAM	1	0	21.26	21.26	21.24								
15	16QAM	1	37	21.31	21.42	21.24	23	1						
15	16QAM	1	74	21.49	21.22	21.45								
15	16QAM	36	0	20.37	20.38	20.28								
15	16QAM	36	20	20.19	20.36	20.13								
15	16QAM	36	36	20.32	20.29	20.28	22	2						
15	16QAM	75	0	20.29	20.45	20.30								
15	16QAM	1	0	20.23	20.45	20.22								
15	16QAM	1	37	20.21	20.39	20.29								
15	16QAM	1	74	20.43	20.24	20.25	21	3						
15	16QAM	36	0	19.25	19.40	19.52								
15	16QAM	36	36	19.27	19.52	19.25								
15	16QAM	36	36	19.24	19.10	19.22								
15	16QAM	75	0	19.38	19.15	19.56	19	5						
15	256QAM	1	0	17.26	17.46	17.31								
15	256QAM	1	37	17.20	17.27	17.27								
15	256QAM	1	74	17.32	17.34	17.11								
15	256QAM	36	0	17.17	17.23	17.28	19	5						
15	256QAM	36	20	17.35	17.20	17.50								
15	256QAM	36	36	17.20	17.35	17.28								
15	256QAM	75	0	17.28	17.34	17.37								
Channel														
Frequency (MHz)														
10	QPSK	1	0	22.35	22.41	22.28	24	0						
10	QPSK	1	25	22.23	22.24	22.25								
10	QPSK	1	49	22.21	22.22	22.25								
10	QPSK	25	0	21.16	21.29	21.19								
10	QPSK	25	12	21.17	21.35	21.28	23	1						
10	QPSK	25	25	21.23	21.25	21.20								
10	QPSK	50	0	21.24	21.31	21.25								
10	16QAM	1	0	21.24	21.31	21.25								
10	16QAM	1	25	21.21	21.34	21.13	23	1						
10	16QAM	1	49	21.25	21.23	21.29								
10	16QAM	25	0	20.37	20.29	20.30								
10	16QAM	25	12	20.19	20.31	20.16								
10	16QAM	25	25	20.32	20.18	20.29	22	2						
10	16QAM	50	0	20.32	20.28	20.27								
10	16QAM	1	0	20.31	20.36	20.19								
10	16QAM	1	25	20.11	20.25	20.13								
10	16QAM	1	49	20.24	20.17	20.46	21	3						
10	16QAM	25	0	19.24	19.34	19.24								
10	16QAM	25	12	19.27	19.53	19.34								
10	16QAM	25	25	19.32	19.24	19.25								
10	16QAM	50	0	19.23	19.23	19.42	19	5						
10	256QAM	1	0	17.22	17.44	17.42								
10	256QAM	1	25	17.28	17.30	17.25								
10	256QAM	1	49	17.34	17.29	17.19								
10	256QAM	25	0	17.28	17.50	17.21	19	5						
10	256QAM	25	12	17.26	17.53	17.28								
10	256QAM	25	25	17.20	17.52	17.35								
10	256QAM	50	0	17.30	17.25	17.20								
Channel														
Frequency (MHz)														
5	QPSK	1	0	22.35	22.39	22.34	24	0						
5	QPSK	1	12	22.35	22.23	22.50								
5	QPSK	1	24	22.35	22.29	22.24								
5	QPSK	12	0	21.14	21.30	21.21								
5	QPSK	12	7	21.19	21.29	21.19	23	1						
5	QPSK	25	0	21.34	21.53	21.15								
5	16QAM	1	0	21.23	21.25	21.13								
5	16QAM	1	12	21.29	21.29	21.11								
5	16QAM	1	24	21.31	21.16	21.17	23	1						
5	16QAM	12	0	20.41	20.26	20.25								
5	16QAM	12	7	20.16	20.25	20.05								
5	16QAM	12	14	20.29	20.18	20.28								
5	16QAM	25	0	20.37	20.47	20.40	22	2						
5	16QAM	1	0	20.31	20.45	20.21								
5	16QAM	1	12	20.26	20.14	20.22								
5	16QAM	1	24	20.23	20.24	20.39								
5	16QAM	12	0	19.20	19.21	19.22	21	3						
5	16QAM	12	7	19.27	19.36	19.37								
5	16QAM	12	14	19.29	19.18	19.24								
5	16QAM	25	0	19.26	19.30	19.44								
5	256QAM	1	0	17.24	17.52	17.52	19	5						
5	256QAM	1	12	17.15	17.28	17.30								
5	256QAM	1	24	17.33	17.24	17.17								
5	256QAM	12	0	17.14	17.24	17.55								
5	256QAM	12	7	17.34	17.21	17.17	19	5						
5	256QAM	12	14	17.16	17.36	17.21								
5	256QAM	25	0	17.41	17.54	17.55								



Band 17 Ant2 Full Power											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up Init. (dB)	MPE (dB)			
Channel											
Frequency (MHz)											
18	QPSK	1	0	22.60	22.63	22.67		24	0		
18	QPSK	1	24	22.68	22.61	22.58					
18	QPSK	1	48	22.60	22.58	22.61					
18	QPSK	25	0	21.86	21.87	21.86					
18	QPSK	25	12	21.78	21.85	21.88		23	1		
18	QPSK	25	24	21.82	21.85	21.83					
18	QPSK	50	0	21.03	21.04	21.05					
18	16QAM	50	0	22.16	22.05	22.07					
18	16QAM	1	24	22.15	22.17	22.15		23	1		
18	16QAM	1	48	22.17	22.16	22.16					
18	16QAM	25	0	20.95	20.91	20.91					
18	16QAM	25	12	20.97	20.91	20.91					
18	16QAM	25	24	20.92	20.91	20.95		22	2		
18	16QAM	50	0	20.95	20.88	20.90					
18	16QAM	1	0	20.99	20.95	20.99					
18	16QAM	1	24	21.02	20.97	21.01					
18	16QAM	1	48	21.03	21.00	20.99		21	3		
18	16QAM	25	0	20.30	20.18	20.29					
18	16QAM	25	12	20.28	20.23	20.30					
18	16QAM	25	24	20.42	20.31	20.32					
18	16QAM	50	0	20.40	20.31	20.28		19	5		
18	256QAM	1	24	17.72	17.76	17.68					
18	256QAM	1	25	17.68	17.71	17.66					
18	256QAM	1	48	17.71	17.69	17.67					
18	256QAM	25	12	17.62	17.70	17.67		19	5		
18	256QAM	25	24	17.68	17.69	17.69					
18	256QAM	50	0	17.71	17.75	17.71					
18	256QAM	50	0	17.71	17.75	17.71					
Channel											
Frequency (MHz)											
5	QPSK	1	0	22.52	22.55	22.48		24	0		
5	QPSK	1	12	22.58	22.55	22.50					
5	QPSK	1	24	22.60	22.58	22.58					
5	QPSK	12	0	21.03	21.05	21.03		23	1		
5	QPSK	12	7	21.05	21.03	21.02					
5	QPSK	12	13	21.08	21.07	21.04					
5	QPSK	20	0	21.84	21.87	21.86					
5	16QAM	1	0	22.18	22.22	22.25		23	1		
5	16QAM	1	12	22.14	22.16	22.15					
5	16QAM	1	24	22.10	22.13	22.07					
5	16QAM	12	0	20.91	20.93	20.98		22	2		
5	16QAM	12	7	20.93	20.97	20.95					
5	16QAM	12	13	20.91	20.91	20.93					
5	16QAM	25	0	20.93	20.89	20.96					
5	16QAM	1	0	21.10	21.09	21.12		22	2		
5	16QAM	1	12	21.04	20.97	21.03					
5	16QAM	1	24	21.01	21.05	21.05					
5	16QAM	12	0	20.34	20.36	20.28					
5	16QAM	12	7	20.36	20.35	20.41		21	3		
5	16QAM	12	13	20.39	20.31	20.33					
5	16QAM	25	0	20.27	20.28	20.27					
5	256QAM	1	0	17.72	17.71	17.63		19	5		
5	256QAM	1	12	17.73	17.77	17.70					
5	256QAM	1	24	17.76	17.74	17.70					
5	256QAM	12	0	17.70	17.75	17.63					
5	256QAM	12	7	17.64	17.70	17.69		19	5		
5	256QAM	12	13	17.67	17.71	17.69					
5	256QAM	25	0	17.72	17.78	17.68					
5	256QAM	25	0	17.72	17.78	17.68					

Band 26 Ant2 Full Power												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turnup Init. (dB)	MPE (dB)				
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.72	22.89	22.63	24	0				
15	QPSK	1	37	22.48	22.42	22.51						
15	QPSK	1	74	22.48	22.52	22.49						
15	QPSK	36	0	21.65	21.76	21.38	23	1				
15	QPSK	36	20	21.62	21.50	21.44						
15	QPSK	36	36	21.64	21.48	21.41						
15	QPSK	75	0	21.63	21.65	21.60						
15	16QAM	1	0	21.66	21.73	21.62	23	1				
15	16QAM	1	37	21.77	21.66	21.59						
15	16QAM	1	74	21.70	21.69	21.54						
15	16QAM	36	0	20.87	20.47	20.38	22	2				
15	16QAM	36	20	20.86	20.54	20.45						
15	16QAM	36	36	20.81	20.47	20.42						
15	16QAM	75	0	20.88	20.52	20.41						
15	16QAM	1	0	20.75	20.69	20.56	22	2				
15	16QAM	1	37	20.71	20.59	20.52						
15	16QAM	1	74	20.62	20.52	20.55						
15	16QAM	36	0	19.64	19.56	19.39	21	3				
15	16QAM	36	20	19.62	19.52	19.42						
15	16QAM	36	36	19.58	19.48	19.41						
15	16QAM	75	0	19.65	19.51	19.42						
15	16QAM	1	0	17.76	17.71	17.68	19	5				
15	16QAM	1	48	17.72	17.68	17.64						
15	256QAM	1	74	17.75	17.75	17.68						
15	256QAM	1	0	17.68	17.71	17.66	19	5				
15	256QAM	36	20	17.69	17.66	17.66						
15	256QAM	36	36	17.70	17.76	17.70						
15	256QAM	75	0	17.70	17.79	17.68						
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.51	22.52	22.37	24	0				
10	QPSK	1	25	22.48	22.46	22.40						
10	QPSK	1	48	22.51	22.40	22.37						
10	QPSK	24	0	21.79	21.57	21.48	23	1				
10	QPSK	24	12	21.80	21.48	21.48						
10	QPSK	25	25	21.77	21.62	21.51						
10	QPSK	50	0	21.79	21.62	21.47						
10	16QAM	1	0	22.08	21.91	21.73	23	1				
10	16QAM	1	25	21.98	21.83	21.73						
10	16QAM	1	48	21.94	21.76	21.68						
10	16QAM	25	0	20.84	20.61	20.50	22	2				
10	16QAM	25	12	20.84	20.69	20.52						
10	16QAM	25	24	20.80	20.64	20.47						
10	16QAM	50	0	20.80	20.64	20.47						
10	16QAM	1	0	20.92	20.75	20.54	22	2				
10	16QAM	1	25	20.84	20.60	20.52						
10	16QAM	1	48	20.84	20.60	20.52						
10	16QAM	25	0	19.86	19.57	19.52	21	3				
10	16QAM	25	12	19.84	19.58	19.45						
10	16QAM	25	24	19.79	19.61	19.51						
10	16QAM	50	0	19.81	19.64	19.49						
10	16QAM	1	0	17.66	17.66	17.64	19	5				
10	16QAM	1	25	17.69	17.69	17.61						
10	256QAM	1	48	17.69	17.69	17.69						
10	256QAM	25	0	17.69	17.67	17.63						
10	256QAM	25	12	17.63	17.68	17.62	19	5				
10	256QAM	25	24	17.62	17.67	17.69						
10	256QAM	50	0	17.64	17.74	17.68						
10	256QAM	50	0	17.64	17.74	17.68						

Frequency (MHz)								Tx (dBm)	Rx (dB)
5	QPSK	1	0	22.515	22.515	22.515			
5	QPSK <th>1</th> <td>0</td> <td>22.49</td> <td>22.49</td> <td>22.45</td> <td rowspan="3">24</td> <td rowspan="3">0</td>	1	0	22.49	22.49	22.45	24	0	
5	QPSK <th>1</th> <td>12</td> <td>22.37</td> <td>22.48</td> <td>22.42</td>	1	12	22.37	22.48	22.42			
5	QPSK <th>1</th> <td>24</td> <td>22.46</td> <td>22.46</td> <td>22.38</td>	1	24	22.46	22.46	22.38			
5	QPSK <th>12</th> <td>0</td> <td>21.82</td> <td>21.63</td> <td>21.48</td> <td rowspan="4">23</td> <td rowspan="4">1</td>	12	0	21.82	21.63	21.48	23	1	
5	QPSK <th>12</th> <td>7</td> <td>21.81</td> <td>21.62</td> <td>21.48</td>	12	7	21.81	21.62	21.48			
5	QPSK <th>12</th> <td>13</td> <td>21.77</td> <td>21.58</td> <td>21.47</td>	12	13	21.77	21.58	21.47			
5	QPSK <th>20</th> <td>0</td> <td>21.80</td> <td>21.61</td> <td>21.43</td>	20	0	21.80	21.61	21.43			
5	16QAM <th>1</th> <td>0</td> <td>22.05</td> <td>21.82</td> <td>21.69</td> <td rowspan="3">23</td> <td rowspan="3">1</td>	1	0	22.05	21.82	21.69	23	1	
5	16QAM <th>1</th> <td>12</td> <td>22.08</td> <td>21.85</td> <td>21.73</td>	1	12	22.08	21.85	21.73			
5	16QAM <th>1</th> <td>24</td> <td>22.02</td> <td>21.76</td> <td>21.68</td>	1	24	22.02	21.76	21.68			
5	16QAM <th>12</th> <td>0</td> <td>20.89</td> <td>20.57</td> <td>20.51</td> <td rowspan="4">22</td> <td rowspan="4">2</td>	12	0	20.89	20.57	20.51	22	2	
5	16QAM <th>12</th> <td>7</td> <td>20.88</td> <td>20.61</td> <td>20.47</td>	12	7	20.88	20.61	20.47			
5	16QAM <th>12</th> <td>13</td> <td>20.80</td> <td>20.61</td> <td>20.47</td>	12	13	20.80	20.61	20.47			
5	16QAM <th>20</th> <td>0</td> <td>20.81</td> <td>20.60</td> <td>20.48</td>	20	0	20.81	20.60	20.48			
5	16QAM <th>1</th> <td>0</td> <td>20.98</td> <td>20.71</td> <td>20.58</td> <td rowspan="3">22</td> <td rowspan="3">2</td>	1	0	20.98	20.71	20.58	22	2	
5	16QAM <th>1</th> <td>12</td> <td>20.87</td> <td>20.74</td> <td>20.49</td>	1	12	20.87	20.74	20.49			
5	16QAM <th>1</th> <td>24</td> <td>20.94</td> <td>20.67</td> <td>20.54</td>	1	24	20.94	20.67	20.54			
5	16QAM <th>12</th> <td>0</td> <td>19.81</td> <td>19.58</td> <td>19.51</td> <td rowspan="3">21</td> <td rowspan="3">3</td>	12	0	19.81	19.58	19.51	21	3	
5	16QAM <th>12</th> <td>7</td> <td>19.80</td> <td>19.65</td> <td>19.49</td>	12	7	19.80	19.65	19.49			
5	16QAM <th>12</th> <td>13</td> <td>19.77</td> <td>19.59</td> <td>19.50</td>	12	13	19.77	19.59	19.50			
5	16QAM <th>20</th> <td>0</td> <td>19.77</td> <td>19.59</td> <td>19.50</td> <td rowspan="4">19</td> <td rowspan="4">5</td>	20	0	19.77	19.59	19.50	19	5	
5	16QAM <th>1</th> <td>0</td> <td>17.72</td> <td>17.66</td> <td>17.68</td>	1	0	17.72	17.66	17.68			
5	16QAM <th>1</th> <td>12</td> <td>17.72</td> <td>17.66</td> <td>17.68</td>	1	12	17.72	17.66	17.68			
5	16QAM <th>1</th> <td>24</td> <td>17.67</td> <td>17.69</td> <td>17.71</td>	1	24	17.67	17.69	17.71			
5	16QAM <th>12</th> <td>0</td> <td>17.69</td> <td>17.68</td> <td>17.61</td> <td rowspan="3">19</td> <td rowspan="3">5</td>	12	0	17.69	17.68	17.61	19	5	
5	16QAM <th>12</th> <td>7</td> <td>17.67</td> <td>17.69</td> <td>17.62</td>	12	7	17.67	17.69	17.62			
5	16QAM <th>12</th> <td>13</td> <td>17.66</td> <td>17.72</td> <td>17.78</td>	12	13	17.66	17.72	17.78			
5	16QAM <th>20</th> <td>0</td> <td>17.72</td> <td>17.77</td> <td>17.75</td> <td rowspan="2">Total</td> <td rowspan="2">19</td>	20	0	17.72	17.77	17.75	Total	19	
5	16QAM <th>20</th> <td>0</td> <td>17.72</td> <td>17.77</td> <td>17.75</td>	20	0	17.72	17.77	17.75			
Frequency (MHz)								Tx (dBm)	Rx (dB)
3	QPSK	1	0	22.51	22.46	22.475			
3	QPSK <th>1</th> <td>8</td> <td>22.45</td> <td>22.35</td> <td>22.45</td> <td rowspan="3">24</td> <td rowspan="3">0</td>	1	8	22.45	22.35	22.45	24	0	
3	QPSK <th>1</th> <td>16</td> <td>22.45</td> <td>22.47</td> <td>22.35</td>	1	16	22.45	22.47	22.35			
3	QPSK <th>8</th> <td>0</td> <td>21.81</td> <td>21.54</td> <td>21.45</td>	8	0	21.81	21.54	21.45			
3	QPSK <th>8</th> <td>4</td> <td>21.80</td> <td>21.62</td> <td>21.48</td> <td rowspan="4">23</td> <td rowspan="4">1</td>	8	4	21.80	21.62	21.48	23	1	
3	QPSK <th>8</th> <td>7</td> <td>21.78</td> <td>21.59</td> <td>21.43</td>	8	7	21.78	21.59	21.43			
3	QPSK <th>8</th> <td>15</td> <td>21.80</td> <td>21.59</td> <td>21.45</td>	8	15	21.80	21.59	21.45			
3	QPSK <th>16</th> <td>0</td> <td>22.03</td> <td>21.78</td> <td>21.71</td>	16	0	22.03	21.78	21.71			
3	16QAM <th>1</th> <td>0</td> <td>22.08</td> <td>21.86</td> <td>21.81</td> <td rowspan="3">23</td> <td rowspan="3">1</td>	1	0	22.08	21.86	21.81	23	1	
3	16QAM <th>1</th> <td>8</td> <td>22.01</td> <td>21.83</td> <td>21.87</td>	1	8	22.01	21.83	21.87			
3	16QAM <th>1</th> <td>16</td> <td>22.05</td> <td>20.98</td> <td>20.94</td>	1	16	22.05	20.98	20.94			
3	16QAM <th>8</th> <td>0</td> <td>20.84</td> <td>20.61</td> <td>20.45</td> <td rowspan="4">22</td> <td rowspan="4">2</td>	8	0	20.84	20.61	20.45	22	2	
3	16QAM <th>8</th> <td>7</td> <td>20.82</td> <td>20.64</td> <td>20.45</td>	8	7	20.82	20.64	20.45			
3	16QAM <th>8</th> <td>15</td> <td>20.92</td> <td>20.68</td> <td>20.54</td>	8	15	20.92	20.68	20.54			
3	16QAM <th>16</th> <td>0</td> <td>20.98</td> <td>20.95</td> <td>20.58</td>	16	0	20.98	20.95	20.58			
3	16QAM <th>1</th> <td>0</td> <td>19.88</td> <td>19.78</td> <td>19.65</td> <td rowspan="3">22</td> <td rowspan="3">2</td>	1	0	19.88	19.78	19.65	22	2	
3	16QAM <th>1</th> <td>8</td> <td>19.88</td> <td>19.78</td> <td>19.65</td>	1	8	19.88	19.78	19.65			
3	16QAM <th>1</th> <td>16</td> <td>19.85</td> <td>19.95</td> <td>19.49</td>	1	16	19.85	19.95	19.49			
3	16QAM <th>8</th> <td>4</td> <td>19.84</td> <td>19.87</td> <td>19.48</td> <td rowspan="3">21</td> <td rowspan="3">3</td>	8	4	19.84	19.87	19.48	21	3	
3	16QAM <th>8</th> <td>7</td> <td>19.87</td> <td>19.63</td> <td>19.48</td>	8	7	19.87	19.63	19.48			
3	16QAM <th>8</th> <td>15</td> <td>19.81</td> <td>19.60</td> <td>19.48</td>	8	15	19.81	19.60	19.48			
3	16QAM <th>16</th> <td>0</td> <td>17.70</td> <td>17.71</td> <td>17.60</td> <td rowspan="4">19</td> <td rowspan="4">5</td>	16	0	17.70	17.71	17.60	19	5	
3	16QAM <th>16</th> <td>7</td> <td>17.63</td> <td>17.72</td> <td>17.68</td>	16	7	17.63	17.72	17.68			
3	16QAM <th>16</th> <td>14</td> <td>17.72</td> <td>17.70</td> <td>17.68</td>	16	14	17.72	17.70	17.68			
3	16QAM <th>8</th> <td>0</td> <td>17.74</td> <td>17.70</td> <td>17.61</td>	8	0	17.74	17.70	17.61			
3	16QAM <th>16</th> <td>0</td> <td>17.66</td> <td>17.66</td> <td>17.68</td> <td rowspan="3">19</td> <td rowspan="3">5</td>	16	0	17.66	17.66	17.68	19	5	
3	16QAM <th>16</th> <td>7</td> <td>17.66</td> <td>17.69</td> <td>17.68</td>	16	7	17.66	17.69	17.68			
3	16QAM <th>16</th> <td>0</td> <td>17.71</td> <td>17.77</td> <td>17.71</td>	16	0	17.71	17.77	17.71			
Total									

Band 42 FCC Ant4 Full Power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990			
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	23.64	23.82	23.69	25	0	
20	QPSK	1	49	23.76	23.78	23.72			
20	QPSK	1	99	23.81	23.78	23.76			
20	QPSK	50	0	22.94	23.05	22.96	24	1	
20	QPSK	50	24	23.03	23.00	23.04			
20	QPSK	50	50	22.90	22.97	22.95			
20	QPSK	100	0	22.97	23.03	23.02	24	1	
20	16QAM	1	0	22.89	22.95	22.88			
20	16QAM	1	49	22.81	22.89	22.83			
20	16QAM	1	99	22.85	22.93	22.92	23	2	
20	16QAM	50	0	22.07	22.12	22.08			
20	16QAM	50	24	22.02	22.09	22.09			
20	16QAM	50	50	21.96	22.05	22.04	23	2	
20	16QAM	100	0	21.98	22.08	22.03			
20	64QAM	1	0	21.48	21.55	21.48	23	2	
20	64QAM	1	49	21.38	21.42	21.41			
20	64QAM	1	99	21.26	21.36	21.34			
20	64QAM	50	0	20.82	20.91	20.87	22	3	
20	64QAM	50	24	20.76	20.86	20.82			
20	64QAM	50	50	20.64	20.73	20.67			
20	64QAM	100	0	20.77	20.80	20.75	20	5	
20	256QAM	1	0	19.00	19.02	18.99			
20	256QAM	1	49	18.73	18.83	18.76			
20	256QAM	1	99	18.86	18.92	18.93	20	5	
20	256QAM	50	0	19.21	19.21	19.17			
20	256QAM	50	24	19.12	19.17	19.10			
20	256QAM	50	50	19.10	19.13	19.10	20	5	
20	256QAM	100	0	19.04	19.14	19.14			
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	23.62	23.74	23.67	25	0	
15	QPSK	1	37	23.73	23.73	23.68			
15	QPSK	1	74	23.81	23.81	23.76			
15	QPSK	36	0	22.90	23.01	22.89	24	1	
15	QPSK	36	20	22.98	23.04	22.98			
15	QPSK	36	39	22.90	22.96	22.94			
15	QPSK	75	0	22.96	22.96	22.99	24	1	
15	16QAM	1	0	22.89	22.95	22.82			
15	16QAM	1	37	22.76	22.89	22.79			
15	16QAM	1	74	22.82	22.91	22.87	23	2	
15	16QAM	36	0	22.05	22.10	22.06			
15	16QAM	36	20	22.03	22.08	22.04			
15	16QAM	36	39	21.91	22.02	22.04	23	2	
15	16QAM	75	0	21.98	22.07	21.98			
15	64QAM	1	0	21.46	21.55	21.42	23	2	
15	64QAM	1	37	21.33	21.39	21.38			
15	64QAM	1	74	21.20	21.31	21.33			
15	64QAM	36	0	20.79	20.86	20.83	22	3	
15	64QAM	36	20	20.74	20.79	20.79			
15	64QAM	36	39	20.65	20.66	20.64			
15	64QAM	75	0	20.76	20.73	20.76	20	5	
15	256QAM	1	0	18.98	18.96	18.96			
15	256QAM	1	37	18.74	18.79	18.72			
15	256QAM	1	74	18.79	18.91	18.86	20	5	
15	256QAM	36	0	19.16	19.20	19.17			
15	256QAM	36	20	19.12	19.15	19.09			
15	256QAM	36	39	19.04	19.08	19.10	20	5	
15	256QAM	75	0	18.98	19.09	19.11			
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	23.60	23.71	23.64	25	0	
10	QPSK	1	25	23.68	23.75	23.67			
10	QPSK	1	49	23.77	23.78	23.70			
10	QPSK	25	0	22.84	22.93	22.91	24	1	
10	QPSK	25	12	22.95	23.01	23.00			
10	QPSK	25	25	22.81	22.89	22.93			
10	QPSK	50	0	22.90	22.95	22.98	24	1	
10	16QAM	1	0	22.80	22.87	22.85			
10	16QAM	1	25	22.76	22.85	22.77			
10	16QAM	1	49	22.75	22.89	22.84	23	2	
10	16QAM	25	0	22.03	22.04	22.03			
10	16QAM	25	12	21.92	22.02	22.04			
10	16QAM	25	25	21.90	21.97	21.96	23	2	
10	16QAM	50	0	21.94	22.05	21.98			
10	64QAM	1	0	21.42	21.51	21.39			
10	64QAM	1	25	21.34	21.33	21.38	23	2	
10	64QAM	1	49	21.20	21.28	21.28			
10	64QAM	25	0	20.77	20.83	20.79			
10	64QAM	25	12	20.71	20.80	20.75	22	3	
10	64QAM	25	25	20.56	20.65	20.61			
10	64QAM	50	0	20.73	20.78	20.66			
10	256QAM	1	0	18.93	18.98	18.94	20	5	
10	256QAM	1	25	18.67	18.79	18.71			
10	256QAM	1	49	18.78	18.89	18.84			
10	256QAM	25	0	19.17	19.17	19.10	20	5	
10	256QAM	25	12	19.05	19.13	19.02			
10	256QAM	25	25	19.02	19.11	19.02			
10	256QAM	50	0	18.99	19.12	19.05	Tune-up limit (dBm)	MPR (dB)	
Channel				42115	42590	43065			
Frequency (MHz)				3452.5	3500	3547.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	23.60	23.72	23.65		25	
5	QPSK	1	12	23.72	23.75	23.69			
5	QPSK	1	24	23.74	23.78	23.71	24	1	
5	QPSK	12	0	22.90	22.95	22.90			
5	QPSK	12	7	22.97	23.05	23.00			
5	QPSK	12	13	22.87	22.92	22.91	24	1	
5	QPSK	25	0	22.92	22.99	22.96			
5	16QAM	1	0	22.83	22.92	22.83			
5	16QAM	1	12	22.75	22.86	22.79	24	1	
5	16QAM	1	24	22.79	22.88	22.87			
5	16QAM	12	0	22.03	22.08	22.04			
5	16QAM	12	7	21.96	22.05	22.03	23	2	
5	16QAM	12	13	21.91	21.99	22.01			
5	16QAM	25	0	21.93	22.05	21.97			
5	64QAM	1	0	21.44	21.50	21.44	23	2	
5	64QAM	1	12	21.33	21.37	21.38			
5	64QAM	1	24	21.22	21.29	21.28			
5	64QAM	12	0	20.79	20.87	20.81	22	3	
5	64QAM	12	7	20.70	20.81	20.79			
5	64QAM	12	13	20.60	20.67	20.62			
5	64QAM	25	0	20.72	20.77	20.70	20	5	
5	256QAM	1	0	18.96	18.96	18.92			
5	256QAM	1	12	18.68	18.77	18.69			
5	256QAM	1	24	18.82	18.89	18.90	20	5	
5	256QAM	12	0	19.17	19.17	19.10			
5	256QAM	12	7	19.08	19.11	19.04			
5	256QAM	12	13	19.04	19.09	19.05	20	5	
5	256QAM	25	0	18.99	19.10	19.09			

Reduced Power Mode for WWAN

Ant1 DS12						
Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)		
GSM850	128	189		128	189	251
TX Channel	128	189	251	128	189	251
Frequency (MHz)	824.2	826.4	848.8	824.2	826.4	848.8
GSM 1 Tx slot	32.26	32.51	32.48	33.50	23.26	23.48
GPRS 1 Tx slot	32.34	32.64	32.66	33.50	23.34	23.64
GPRS 2 Tx slots	30.45	30.69	30.43	32.00	24.45	24.43
GPRS 3 Tx slots	28.75	28.94	28.56	30.00	24.49	24.30
GPRS 4 Tx slots	27.52	27.43	27.60	28.00	24.52	24.60
EDGE 1 Tx slot	24.51	24.56	24.78	25.00	15.51	15.78
EDGE 2 Tx slots	22.63	22.59	22.90	23.00	16.63	16.90
EDGE 3 Tx slots	21.18	21.06	21.39	21.50	16.92	17.13
EDGE 4 Tx slots	19.65	19.71	19.85	20.00	16.65	16.85

Ant1 DS12						
Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)		
GSM1900	512	661		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	30.13	30.25	30.33	30.50	21.13	21.33
GPRS 1 Tx slot	30.23	30.38	30.42	30.50	21.23	21.42
GPRS 2 Tx slots	27.71	27.79	27.78	28.00	21.71	21.78
GPRS 3 Tx slots	25.75	25.66	25.81	26.00	21.49	21.55
GPRS 4 Tx slots	24.29	24.19	24.33	24.50	21.29	21.33
EDGE 1 Tx slot	25.18	25.47	25.51	26.50	18.18	18.47
EDGE 2 Tx slots	24.26	24.55	24.27	25.00	18.26	18.55
EDGE 3 Tx slots	22.83	23.06	22.85	23.50	18.57	18.59
EDGE 4 Tx slots	21.15	21.41	21.17	21.50	18.15	18.17

Ant1 DS12									
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9602	9600	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1722.4	1722.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	22.87	22.84	22.78	24.00	22.77	22.65	22.71	24.00
3GPP Rel 99	RMC 12.2Kbps	22.91	22.93	22.84	24.00	22.81	22.87	22.75	24.00
3GPP Rel 6	HSDPA Subtest-1	21.94	22.15	22.27	23.00	21.85	22.14	22.32	23.00
3GPP Rel 6	HSDPA Subtest-2	21.95	22.19	22.35	23.00	21.85	22.10	22.26	23.00
3GPP Rel 6	HSDPA Subtest-3	21.45	21.70	21.89	22.50	21.37	21.59	21.78	22.50
3GPP Rel 6	HSDPA Subtest-4	21.43	21.62	21.77	22.50	21.37	21.57	21.79	22.50
3GPP Rel 6	DC-HSDPA Subtest-1	21.93	22.11	22.20	23.00	21.87	22.10	22.17	23.00
3GPP Rel 6	DC-HSDPA Subtest-2	21.87	22.16	22.21	23.00	21.84	22.09	22.10	23.00
3GPP Rel 6	DC-HSDPA Subtest-3	21.43	21.62	21.80	22.50	21.39	21.63	21.70	22.50
3GPP Rel 6	DC-HSDPA Subtest-4	21.33	21.57	21.81	22.50	21.33	21.48	21.72	22.50
3GPP Rel 6	HSUPA Subtest-1	21.92	22.17	22.31	23.00	21.93	22.16	22.23	23.00
3GPP Rel 6	HSUPA Subtest-2	19.93	20.11	20.24	21.00	19.95	20.11	20.27	21.00
3GPP Rel 6	HSUPA Subtest-3	20.98	21.11	21.33	22.00	20.88	21.09	21.27	22.00
3GPP Rel 6	HSUPA Subtest-4	19.95	20.17	20.35	21.00	19.92	20.16	20.31	21.00
3GPP Rel 6	HSUPA Subtest-5	21.88	22.21	22.28	23.00	21.88	22.13	22.30	23.00

Ant2 DS12				
Band		WCDMA V		
TX Channel		4132	4182	4233
Rx Channel		4357	4407	4458
Frequency (MHz)		826.4	836.4	846.6
3GPP Rel 99	AMR 12.2Kbps	22.49	22.55	22.42
3GPP Rel 99	RMC 12.2Kbps	22.61	22.69	22.54
3GPP Rel 6	HSDPA Subtest-1	22.15	22.16	22.10
3GPP Rel 6	HSDPA Subtest-2	22.20	22.13	22.06
3GPP Rel 6	HSDPA Subtest-3	21.72	21.69	21.58
3GPP Rel 6	HSDPA Subtest-4	21.72	21.65	21.60
3GPP Rel 6	DC-HSDPA Subtest-1	22.14	22.12	22.04
3GPP Rel 6	DC-HSDPA Subtest-2	22.16	22.11	22.00
3GPP Rel 6	DC-HSDPA Subtest-3	21.68	21.67	21.53
3GPP Rel 6	DC-HSDPA Subtest-4	21.89	21.55	21.45
3GPP Rel 6	HSUPA Subtest-1	22.20	22.13	22.04
3GPP Rel 6	HSUPA Subtest-2	20.15	20.10	20.10
3GPP Rel 6	HSUPA Subtest-3	21.19	21.13	21.02
3GPP Rel 6	HSUPA Subtest-4	20.27	20.13	20.08
3GPP Rel 6	HSUPA Subtest-5	22.11	22.14	22.02

Band 2 Ant1 DS12														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Turn-on time (ms)	MPR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	23.17	23.19	23.26	24	0						
20	QPSK	1	49	22.97	23.01	22.93								
20	QPSK	1	99	22.87	22.89	22.91								
20	QPSK	50	0	22.97	22.93	22.91								
20	QPSK	50	24	22.18	22.06	22.09	23	1						
20	QPSK	50	50	22.11	22.01	21.98								
20	QPSK	100	0	22.16	22.18	22.06								
20	QPSK	1	49	22.49	22.31	22.30								
20	16QAM	1	49	22.27	22.28	22.27	23	1						
20	16QAM	1	99	22.23	22.22	22.06								
20	16QAM	1	50	21.27	21.08	21.11								
20	16QAM	50	24	21.21	21.07	21.09								
20	16QAM	50	50	21.10	21.04	21.01	22	2						
20	16QAM	100	0	21.17	21.06	21.06								
20	16QAM	1	0	21.32	21.26	21.25								
20	16QAM	1	49	21.07	21.26	21.24								
20	16QAM	1	99	20.98	21.14	21.12	21	3						
20	16QAM	50	0	20.25	20.07	20.07								
20	16QAM	50	24	20.17	20.06	20.09								
20	16QAM	50	50	20.10	20.08	20.05								
20	256QAM	1	49	17.87	18.03	17.96	19	5						
20	256QAM	1	99	17.83	18.08	18.06								
20	256QAM	50	24	17.87	17.97	17.97								
20	256QAM	50	50	17.82	18.07	18.06								
20	256QAM	100	0	17.84	18.09	18.07	19	5						
Channel														
Frequency (MHz)														
15	QPSK	1	0	23.09	22.98	22.96					24	0		
15	QPSK	1	49	23.04	23.00	22.87								
15	QPSK	1	74	22.96	22.88	22.78								
15	QPSK	36	0	22.23	22.06	22.05								
15	QPSK	36	36	22.20	22.04	22.03	23	1						
15	QPSK	36	39	22.12	22.02	21.98								
15	QPSK	75	0	22.18	22.04	22.01								
15	QPSK	1	49	22.08	22.33	22.29								
15	16QAM	1	37	22.34	22.31	22.24	23	1						
15	16QAM	1	74	22.27	22.12	22.14								
15	16QAM	36	0	21.27	21.05	21.07								
15	16QAM	36	20	21.21	21.07	21.05								
15	16QAM	36	25	21.20	21.07	21.05	22	2						
15	16QAM	1	0	21.36	21.20	21.32								
15	16QAM	1	37	21.30	21.13	21.14								
15	16QAM	1	74	21.17	21.18	21.15								
15	16QAM	36	0	20.25	20.07	20.07	21	3						
15	16QAM	36	20	20.16	20.00	20.00								
15	16QAM	36	39	20.13	20.00	19.95								
15	16QAM	75	0	20.22	20.05	20.04								
15	256QAM	1	37	17.91	18.03	17.91	19	5						
15	256QAM	1	74	17.76	18.02	18.03								
15	256QAM	36	0	17.86	17.98	17.98								
15	256QAM	36	20	17.77	17.90	17.92								
15	256QAM	36	39	17.75	18.07	18.04	19	5						
15	256QAM	75	0	17.85	18.01	17.97								
Channel														
Frequency (MHz)														
10	QPSK	1	0	23.13	23.14	23.16	24	0						
10	QPSK	1	25	23.10	23.14	22.98								
10	QPSK	1	49	23.06	23.04	22.87								
10	QPSK	25	0	22.40	22.23	22.16								
10	QPSK	25	12	22.34	22.17	22.13	23	1						
10	QPSK	25	25	22.28	22.11	22.03								
10	QPSK	36	0	22.34	22.17	22.11								
10	16QAM	1	0	22.69	22.48	22.45								
10	16QAM	1	25	22.56	22.42	22.27	23	1						
10	16QAM	1	49	21.43	21.22	21.21								
10	16QAM	25	12	21.37	21.22	21.21								
10	16QAM	25	13	21.38	21.21	21.21								
10	16QAM	50	0	21.34	21.18	21.18	22	2						
10	16QAM	1	0	21.35	21.39	21.27								
10	16QAM	1	25	21.32	21.35	21.21								
10	16QAM	1	49	21.31	21.38	21.13								
10	16QAM	25	0	20.40	20.23	20.18	21	3						
10	16QAM	25	12	20.36	20.20	20.17								
10	16QAM	25	25	20.28	20.09	20.02								
10	16QAM	50	0	20.33	20.15	20.12								
10	256QAM	1	25	17.87	18.03	17.95	19	5						
10	256QAM	1	49	17.82	18.19	18.05								
10	256QAM	1	49	17.82	18.15	18.21								
10	256QAM	25	0	17.85	18.04	18.14								
10	256QAM	25	12	17.89	18.03	18.06	19	5						
10	256QAM	25	25	17.98	18.14	18.20								
10	256QAM	50	0	18.01	18.16	18.10								
Channel														
Frequency (MHz)														
5	QPSK	1	0	23.14	23.15	23.17	24	0						
5	QPSK	1	12	23.05	23.15	22.95								
5	QPSK	1	24	23.15	23.05	22.87								
5	QPSK	12	0	22.38	22.22	22.06								
5	QPSK	12	13	22.28	22.14	21.98	23	1						
5	QPSK	12	25	22.37	22.17	22.04								
5	16QAM	1	0	22.62	22.48	22.24								
5	16QAM	1	12	22.62	22.49	22.28								
5	16QAM	12	0	21.48	21.21	21.13	22	2						
5	16QAM	12	7	21.42	21.26	21.21								
5	16QAM	12	13	21.32	21.17	20.98								
5	16QAM	25	0	21.35	21.18	21.05								
5	16QAM	1	0	21.30	21.37	21.27	22	2						
5	16QAM	1	12	21.40	21.35	21.12								
5	16QAM	1	24	21.43	21.29	21.20								
5	16QAM	12	0	20.45	20.20	20.15								
5	16QAM	12	7	20.39	20.24	20.08	21	3						
5	16QAM	12	13	20.28	20.17	20.00								
5	16QAM	25	0	20.36	20.14	20.04								
5	256QAM	1	0	18.09	18.26	18.22								
5	256QAM	1	12	17.95	18.11	18.03	19	5						
5	256QAM	1	24	17.91	18.13	18.13								
5	256QAM	12	0	17.86	18.06	18.06								
5	256QAM	12	7	17.85	18.04	18.06								
5	256QAM	12	13	17.90	18.15	18.14	19	5						
5	256QAM	25	0	17.83	18.09	18.13								
Channel														
Frequency (MHz)														
3	QPSK	1	0	23.15	23.02	23.04	24	0						
3	QPSK	1	8	22.95	23.17	22.85								
3	QPSK	1	8	22.95	23.17	22.85	23	1						
3	QPSK	8	0	22.44	22.25	22.08								
3	QPSK	8	8	22.40	22.25	22.02	22	2						
3	QPSK	15	0	22.34	22.23	22.00								
3	16QAM	1	0	22.51	22.51	22.30	23	1						
3	16QAM	1	8	22.51	22.51	22.30								
3	16QAM	1	14	22.43	22.31	22.35	22	2						
3	16QAM	8	0	21.47	21.29	21.12								
3	16QAM	8	8	21.44	21.29	21.10	21	3						
3	16QAM	8	7	21.32	21.19	20.98								
3	16QAM	15	0	21.39	21.28	21.04	20	4						
3	16QAM	15	8	21.36	21.48	21.22								
3	16QAM	1	8	21.38	21.45	21.28	22	2						
3	16QAM	1	14	21.40	21.28	21.10								
3	16QAM	8	4	20.41	20.24	20.09	21	3						
3	16QAM	8	14	20.38	20.25	20.06								
3	256QAM	1	0	18.07	18.23	18.17	19	5						
3	256QAM	1	8	18.00	18.20	18.05								
3	16QAM	1	14	17.92	18.06	18.05	20	4						
3	16QAM	8	0	17.88	18.07	17.97								
3	16QAM	8	8	17.87	18.05	18.05	19	5						
3	256QAM	15	0	17.93	18.06	18.19								
3	256QAM	15	8	17.97	18.15	18.20	19	5						
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	23.14	23.00	22.88	24	0						
1.4	QPSK	1	3	23.15	23.01	22.99								
1.4	QPSK	1	3	23.15	23.01	22.99	23	1						
1.4	QPSK	3	0	23.08	22.99	22.87								
1.4	QPSK	3	3	23.13	23.06	22.98	22	2						
1.4	QPSK	3	3	23.11	23.05	22.84								
1.4	QPSK	6	0	22.38	22.16	21.62	23	1						
1.4	QPSK	6	3	22.39	22.16	21.62								
1.4	16QAM	1	3	22.60	22.45	22.18	20	4						
1.4	16QAM	1	3	22.57	22.36	22.15								
1.4	16QAM	1	6	21.42	21.18	21.10	22	2						
1.4	16QAM	1	3	22.33	22.20	22.09								
1.4	16QAM	3	0	21.34	21.33	21.15	21	3						
1.4	16QAM	3	3	21.43	21.30	21.20								
1.4	16QAM	3	3	21.42	21.27	21.17	20	4						
1.4	16QAM	3	6	21.45	21.23	21.14								
1.4	16QAM	3	1	21.37	21.23	19.94	21	3						
1.4	16QAM	3	1	21.30	21.20	19.88								
1.4	16QAM	1	0	17.86	18.10	18.10	19	5						
1.4	16QAM	1	3	17.79	18.00	17.88								
1.4	16QAM	1	6	17.76	18.07	18.04	19	5						
1.4	16QAM	3	0	17.81	18.01	18.00								
1.4	16QAM	3	3	17.87	17.92	17.97	19	5						
1.4	16QAM	3	6	17.80	17.99	18.02								



Band 5 Ant1 DS12									
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Mod Ch / Freq	Power Hsp Ch / Freq	Turn-up rate (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.83	22.90	22.82			
10	QPSK	1	25	22.88	22.96	22.85			
10	QPSK	1	49	22.84	22.82	22.73	24	0	
10	QPSK	25	0	21.88	21.94	21.89			
10	QPSK	25	12	21.82	21.93	21.88			
10	QPSK	25	25	21.89	21.92	21.92	23	1	
10	QPSK	50	0	21.82	21.93	21.84			
10	HQAM	1	0	22.87	22.93	22.83			
10	HQAM	1	25	22.28	22.21	22.15	23	1	
10	HQAM	1	49	22.25	22.18	22.14			
10	HQAM	25	0	21.90	21.96	21.92			
10	HQAM	25	12	21.88	21.97	21.93	22	2	
10	HQAM	25	25	21.94	21.98	21.91			
10	HQAM	50	0	21.98	21.96	21.90			
10	HQAM	1	0	21.14	21.10	21.02			
10	HQAM	1	25	21.08	21.02	21.04	22	2	
10	HQAM	1	49	21.06	21.07	21.03			
10	HQAM	25	0	19.96	19.97	19.96			
10	HQAM	25	12	20.06	19.99	19.92			
10	HQAM	25	25	20.01	19.99	19.91	21	3	
10	HQAM	50	0	20.06	19.93	19.90			
10	HQAM	1	0	18.24	18.31	18.27			
10	HQAM	1	25	18.06	18.04	18.11	19	5	
10	SSBQAM	1	49	18.03	18.00	18.07			
10	SSBQAM	25	0	18.03	18.01	18.02			
10	SSBQAM	25	12	18.02	17.98	18.09	19	5	
10	SSBQAM	25	25	18.05	18.02	18.10			
10	SSBQAM	50	0	17.99	17.98	17.99			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.75	22.80	22.74			
5	QPSK	1	25	22.70	22.88	22.86	24	0	
5	QPSK	1	24	22.83	22.88	22.77			
5	QPSK	12	0	22.02	21.92	21.85			
5	QPSK	12	7	22.03	21.90	21.88			
5	QPSK	12	13	22.01	21.95	21.86	23	1	
5	QPSK	25	0	22.02	21.99	21.97			
5	HQAM	1	0	22.82	22.92	22.88			
5	HQAM	1	12	22.28	22.25	22.08	23	1	
5	HQAM	1	24	22.27	22.23	22.11			
5	HQAM	12	0	21.04	20.95	20.84			
5	HQAM	12	7	21.05	20.92	20.82	22	2	
5	HQAM	12	13	21.02	20.98	20.90			
5	HQAM	25	0	21.04	20.90	20.82			
5	HQAM	1	0	21.10	21.13	21.03			
5	HQAM	1	24	21.22	21.23	21.12	22	2	
5	HQAM	1	24	21.15	21.14	21.03			
5	HQAM	12	0	20.94	19.94	19.90			
5	HQAM	12	13	20.93	19.98	19.94	21	3	
5	HQAM	25	0	20.95	19.98	19.80			
5	SSBQAM	1	12	18.17	18.15	18.23	19	5	
5	SSBQAM	1	24	18.12	18.11	18.16			
5	SSBQAM	12	7	18.09	18.08	18.20			
5	SSBQAM	12	13	18.16	18.13	18.17	19	5	
5	SSBQAM	25	0	17.88	17.84	17.87			
Channel									
Frequency (MHz)									
3	QPSK	1	0	22.81	22.83	22.83			
3	QPSK	1	8	22.82	22.87	22.79	24	0	
3	QPSK	1	14	22.87	22.83	22.81			
3	QPSK	1	24	22.84	22.86	22.84			
3	QPSK	8	0	22.01	21.88	21.89	23	1	
3	QPSK	8	7	21.87	21.93	21.84			
3	HQAM	1	0	22.84	22.87	22.84			
3	HQAM	1	0	22.27	22.19	22.08	23	1	
3	HQAM	1	8	22.28	22.22	22.22			
3	HQAM	1	8	21.03	20.99	20.90			
3	HQAM	8	4	21.07	20.94	20.84	22	2	
3	HQAM	8	7	21.02	20.97	20.90			
3	HQAM	15	0	21.00	20.90	20.89			
3	HQAM	1	0	21.16	21.11	21.03	22	2	
3	HQAM	1	8	21.25	21.20	21.08			
3	HQAM	1	14	21.12	21.07	20.95			
3	HQAM	8	0	20.94	19.91	19.90			
3	HQAM	8	4	19.97	19.96	19.87	21	3	
3	HQAM	8	7	20.02	20.00	19.87			
3	HQAM	15	0	20.01	19.95	19.88			
3	SSBQAM	1	8	17.99	17.99	18.02	19	5	
3	SSBQAM	1	14	17.97	17.96	18.03			
3	SSBQAM	8	0	18.04	17.99	18.02			
3	SSBQAM	8	4	17.97	17.96	18.04	19	5	
3	SSBQAM	8	7	17.98	17.97	18.02			
3	SSBQAM	15	0	17.80	17.81	17.84			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	22.81	22.74	22.82			
1.4	QPSK	1	3	22.87	22.85	22.76	24	0	
1.4	QPSK	1	5	22.85	22.74	22.83			
1.4	QPSK	3	0	22.83	22.75	22.70			
1.4	QPSK	3	1	22.89	22.81	22.71			
1.4	QPSK	3	3	22.82	22.77	22.68	23	1	
1.4	QPSK	6	0	21.84	21.76	21.72			
1.4	HQAM	1	0	22.10	22.05	21.99			
1.4	HQAM	1	3	22.16	22.13	22.06			
1.4	HQAM	1	5	22.11	22.07	21.99	23	1	
1.4	HQAM	3	0	21.88	21.82	21.73			
1.4	HQAM	3	1	22.02	21.88	21.78			
1.4	HQAM	3	3	21.84	21.85	21.75			
1.4	HQAM	6	0	20.94	20.83	20.83	22	2	
1.4	HQAM	1	0	21.05	20.98	20.89			
1.4	HQAM	1	3	21.07	21.00	20.89			
1.4	HQAM	1	5	21.02	20.97	20.88	22	2	
1.4	HQAM	3	0	21.01	20.96	20.82			
1.4	HQAM	3	3	20.96	20.94	20.82			
1.4	HQAM	3	5	20.94	20.89	20.78	21	3	
1.4	HQAM	6	0	19.92	19.81	19.74			
1.4	SSBQAM	1	0	18.03	18.01	18.02			
1.4	SSBQAM	1	3	18.08	17.99	18.08			
1.4	SSBQAM	1	5	18.04	18.00	18.09	19	5	
1.4	SSBQAM	3	0	18.06	18.04	18.12			
1.4	SSBQAM	3	1	17.97	17.98	18.07			
1.4	SSBQAM	3	3	18.00	17.99	18.04	19	5	
1.4	SSBQAM	6	0	17.86	17.86	17.89			

Band 5 Ant2 DS12									
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Mod Ch / Freq	Power Hsp Ch / Freq	Turn-up rate (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.82	22.70	22.84			
10	QPSK	1	25	22.49	22.50	22.45	24	0	
10	QPSK	1	49	22.83	22.82	22.85			
10	QPSK	25	0	21.85	21.74	21.81			
10	QPSK	25	12	21.73	21.88	21.84	23	1	
10	QPSK	25	25	21.84	21.81	21.88			
10	QPSK	50	0	21.69	21.71	21.54			
10	HQAM	1	0	21.92	21.88	21.76			
10	HQAM	1	25	21.83	21.87	21.81	23	1	
10	HQAM	1	49	21.85	21.81	21.71			
10	HQAM	25	0	20.83	20.82	20.84			
10	HQAM	25	12	20.75	20.82	20.84	22	2	
10	HQAM	25	25	20.88	20.83	20.84			
10	HQAM	50	0	20.70	20.82	20.84			
10	HQAM	1	0	20.74	20.76	20.69			
10	HQAM	1	25	20.68	20.65	20.64			
10	HQAM	1	49	20.73	20.67	20.61			
10	HQAM	25	0	19.83	19.82	19.83			
10	HQAM	25	12	19.73	19.82	19.83	21	3	
10	HQAM	25	25	19.85	19.81	19.85			
10	HQAM	50	0	19.86	19.58	19.85			
10	HQAM	1	0	17.76	17.74	17.76			
10	HQAM	1	25	17.73	17.76	17.71	19	5	
10	SSBQAM	1	49	17.78	17.78	17.78			
10	SSBQAM	25	0	17.71	17.69	17.68			
10	SSBQAM	25	12	17.70	17.73	17.73			
10	SSBQAM	25	25	17.74	17.78	17.78	19	5	
10	SSBQAM	50	0	17.64	17.68	17.68			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.52	22.54	22.40			
5	QPSK	1	25	22.56	22.46	22.43	24	0	
5	QPSK	1	24	22.58	22.53	22.42			
5	QPSK	12	0	21.87	21.86	21.48			
5	QPSK	12	7	21.86	21.87	21.48			
5	QPSK	12	13	21.84	21.60	21.51	23	1	
5	QPSK	25	0	21.85	21.86	21.43			
5	HQAM	1	0	21.98	21.96	21.74			
5	HQAM	1	12	21.83	21.88	21.78	23	1	
5	HQAM	1	24	21.82	21.88	21.78			
5	HQAM	12	0	20.70	20.69	20.49			
5	HQAM	12	7	20.69	20.68	20.47	22	2	
5	HQAM	12	13	20.68	20.67	20.52			
5	HQAM	25	0	20.69	20.58	20.47			
5	HQAM	25	0	20.69	20.58	20.47			
5	HQAM	1	12	20.75	20.71	20.64	22	2	
5	HQAM	1	24	20.84	20.80	20.57			
5	HQAM	1	24	20.84	20.80	20.57			
5	HQAM	12	7	19.69	19.58	19.51	21	3	
5	HQAM	12	13	19.70	19.58	19.58			
5	HQAM	25	0	19.70	19.58	19.58			
5	HQAM	25	0	19.70	19.58	19.58			
5	SSBQAM	1	0	17.71	17.68	17.68			
5	SSBQAM	1	12	17.67	17.76	17.67	19	5	
5	SSBQAM	1	24	17.67	17.76	17.67			
5	SSBQAM	12	0	17.73	17.68	17.68			
5	SSBQAM	12	7	17.67	17.73	17.73	19	5	
5	SSBQAM	12	13	17.74	17.74	17.74			
5	SSBQAM	25	0	17.74	17.74	17.71			
Channel									
Frequency (MHz)									
3	QPSK	1	0	22.56	22.52	22.46			
3	QPSK	1	8	22.59	22.55	22.48	24	0	
3	QPSK	1	14	22.63	22.48	22.48			
3	QPSK	8	0	21.65	21.48	21.48			
3	QPSK	8	4	21.66	21.55	21.57	23	1	
3	QPSK	15	0	21.67	21.51	21.51			
3	HQAM	1	0	21.92	21.77	21.79			
3	HQAM	1	8	21.87	21.87	21.87	23	1	
3	HQAM	1	14	21.87	21.85	21.76			
3	HQAM	8	0	20.70	20.58	20.58			
3	HQAM	8	7	20.68	20.60	20.53	22	2	
3	HQAM	15	0	20.68	20.55	20.57			
3	HQAM	15	0	20.68	20.55	20.57			
3	HQAM	8	7	20.86	20.75	20.67	22	2	
3	HQAM	1	14	20.83	20.74	20.68			
3	HQAM	1	14	20.83	20.74	20.68			
3	HQAM	8	4	19.65	19.52	19.53	21		
3	HQAM	8	7	19.70	19.60	19.58			
3	HQAM	15	0	19.67	19.58	19.53			
3	SSBQAM	1	8	17.63	17.67	17.62	19	5	
3	SSBQAM	1	14	17.66	17.70	17.66			
3	SSBQAM	8	0	17.65	17.67	17.65			
3	SSBQAM	8	4	17.63	17.68	17.68			
3	SSBQAM	15	0	17.67	17.68	17.64	19	5	
3	SSBQAM	15	0	17.67	17.71	17.67			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	22.46	22.37	22.27			
1.4	QPSK	1	3	22.52	22.56	22.48	24	0	
1.4	QPSK	1	6	22.43	22.37	22.24			
1.4	QPSK	3	0	22.38	22.38	22.32			
1.4	QPSK	3	1	22.54	22.48	22.37			
1.4	QPSK	3	3	22.52	22.44	22.35	23	1	
1.4	QPSK	6	0	21.77	21.43	21.43			
1.4	HQAM	1	0	21.79	21.72	21.62			
1.4	HQAM	1	3	21.81	21.79	21.81	23	1	
1.4	HQAM	1	6	21.77	21.75	21.64			
1.4	HQAM	3	0	21.59	21.52	21.43			
1.4	HQAM	3	1	21.57	21.63	21.42			
1.4	HQAM	6	0	20.81	20.55	20.49	22	2	
1.4	HQAM	1	0	20.67	20.37	20.30			
1.4	HQAM	1	3	20.68	20.39	20.32			
1.4	HQAM	1	6	20.63	20.37	20.47	22	2	
1.4	HQAM	3	0	20.59	20.31	20.43			
1.4	HQAM	3	1	20.58	20.42	20.42			
1.4	HQAM	3	3	20.56	20.33	20.41	21	3	
1.4	HQAM	6	0	19.58	19.44	19.46			
1.4	SSBQAM	1	6	17.65	17.68	17.69			
1.4	SSBQAM	1	6	17.66	17.68	17.68			
1.4	SSBQAM	3	0	17.68	17.68	17.68	19	5	
1.4	SSBQAM	3	1	17.67	17.72	17.64			
1.4	SSBQAM	3	3	17.69	17.72	17.73			
1.4	SSBQAM	6	0	17.65	17.75	17.69	19	5	



Band 12 Ant1 DS12												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Turn-up time (sec)	MPR (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.67	22.59	22.79	24	0				
10	QPSK	1	25	22.69	22.85	22.81						
10	QPSK	1	49	22.62	22.84	22.88	23	1				
10	QPSK	25	0	22.67	22.59	22.58						
10	QPSK	25	12	22.69	22.11	22.12	23	1				
10	QPSK	25	25	22.17	22.08	22.09						
10	QPSK	50	0	22.14	22.16	22.14	23	1				
10	HQAM	1	0	22.42	22.41	22.34						
10	HQAM	1	25	22.41	22.40	22.41	22	2				
10	HQAM	1	49	22.43	22.49	22.43						
10	HQAM	25	0	21.98	21.12	21.19	22	2				
10	HQAM	25	12	21.21	21.21	21.17						
10	HQAM	25	25	21.16	21.20	21.24	21	3				
10	HQAM	50	0	21.15	21.20	21.14						
10	HQAM	1	0	21.26	21.29	21.26	22	2				
10	HQAM	1	25	21.21	21.24	21.23						
10	HQAM	1	49	21.27	21.31	21.25	21	3				
10	HQAM	25	0	20.98	20.11	20.16						
10	HQAM	25	12	20.90	20.93	20.14	19	5				
10	HQAM	25	25	20.16	20.22	20.20						
10	25SQAM	1	0	19.24	19.26	19.23	19	5				
10	25SQAM	1	25	18.22	18.22	18.19						
10	25SQAM	1	49	18.10	18.12	18.08	19	5				
10	25SQAM	25	0	18.02	18.06	18.01						
10	25SQAM	25	12	17.94	17.99	17.95	19	5				
10	25SQAM	25	25	17.92	17.96	17.83						
10	25SQAM	50	0	17.93	17.93	17.89	19	5				
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.61	22.80	22.83	24	0				
5	QPSK	1	12	22.69	22.87	22.81						
5	QPSK	1	24	22.67	22.84	22.84	23	1				
5	QPSK	12	0	22.14	22.11	22.12						
5	QPSK	12	7	22.14	22.22	22.17	23	1				
5	QPSK	12	13	22.10	22.15	22.14						
5	QPSK	25	0	22.12	22.21	22.08	23	1				
5	HQAM	1	0	22.32	22.34	22.42						
5	HQAM	1	12	22.30	22.42	22.38	22	2				
5	HQAM	1	24	22.40	22.36	22.38						
5	HQAM	12	0	21.18	21.14	21.13	21	3				
5	HQAM	12	7	21.18	21.22	21.14						
5	HQAM	25	0	21.15	21.20	21.11	22	2				
5	HQAM	25	0	21.27	21.26	21.31						
5	HQAM	12	13	21.14	21.16	21.08	21	3				
5	HQAM	12	13	20.14	20.17	20.12						
5	HQAM	25	0	20.16	20.14	20.11	19	5				
5	25SQAM	1	24	18.07	18.07	18.04						
5	25SQAM	1	24	18.07	18.07	18.04	19	5				
5	25SQAM	12	7	17.90	17.95	17.91						
5	25SQAM	12	13	17.84	17.96	17.86	19	5				
Channel												
Frequency (MHz)												
3	QPSK	1	0	22.67	22.59	22.79				24	0	
3	QPSK	1	8	22.68	22.82	22.85						
3	QPSK	1	14	22.62	22.81	22.85	23	1				
3	QPSK	8	7	22.08	22.14	22.22						
3	QPSK	8	7	22.08	22.14	22.22	23	1				
3	HQAM	1	0	22.30	22.29	22.35						
3	HQAM	1	8	22.42	22.37	22.43	22	2				
3	HQAM	1	14	22.36	22.36	22.34						
3	HQAM	8	0	21.20	21.13	21.15	21	3				
3	HQAM	8	4	21.21	21.25	21.27						
3	HQAM	15	0	21.16	21.13	21.16	22	2				
3	HQAM	15	0	21.10	21.18	21.14						
3	HQAM	1	0	21.32	21.27	21.29	22	2				
3	HQAM	1	8	21.35	21.37	21.37						
3	HQAM	1	14	21.28	21.23	21.24	21	3				
3	HQAM	8	0	20.21	20.17	20.14						
3	HQAM	8	4	20.16	20.16	20.16	19	3				
3	HQAM	8	7	20.16	20.21	20.19						
3	25SQAM	1	0	18.31	18.29	18.27	19	3				
3	25SQAM	1	8	18.31	18.27	18.26						
3	25SQAM	1	14	18.14	18.16	18.13	19	3				
3	25SQAM	8	0	18.09	18.11	18.08						
3	25SQAM	8	4	17.88	18.04	17.99	19	5				
3	25SQAM	8	7	17.90	17.99	18.00						
3	25SQAM	15	0	18.01	18.10	18.05	19	5				
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	22.73	22.14	22.73	24	0				
1.4	QPSK	1	3	22.67	22.85	22.78						
1.4	QPSK	1	5	22.74	22.75	22.70	23	1				
1.4	QPSK	3	0	22.84	22.16	22.82						
1.4	QPSK	3	1	22.80	22.85	22.83	23	1				
1.4	QPSK	3	3	22.79	22.75	22.78						
1.4	QPSK	8	0	22.05	22.08	21.88	22	2				
1.4	HQAM	1	0	22.34	22.26	22.31						
1.4	HQAM	1	3	22.28	22.30	22.34	22	2				
1.4	HQAM	1	5	22.29	22.25	22.24						
1.4	HQAM	3	0	22.18	22.06	22.12	21	3				
1.4	HQAM	3	1	22.11	22.12	22.07						
1.4	HQAM	3	3	22.07	22.04	22.04	22	2				
1.4	HQAM	6	0	21.10	21.12	20.70						
1.4	HQAM	1	0	21.27	21.17	21.21	22	2				
1.4	HQAM	1	3	21.25	21.18	21.19						
1.4	HQAM	1	5	21.18	21.15	21.15	21	3				
1.4	HQAM	3	0	21.22	21.10	21.11						
1.4	HQAM	3	1	21.16	21.12	21.11	21	3				
1.4	HQAM	6	0	20.01	20.06	19.98						
1.4	25SQAM	1	0	18.15	18.21	18.20	19	3				
1.4	25SQAM	1	3	18.25	18.24	18.14						
1.4	25SQAM	1	5	18.02	18.13	18.02	19	5				
1.4	25SQAM	3	0	18.06	18.04	17.90						
1.4	25SQAM	3	1	17.90	17.97	17.97	19	5				
1.4	25SQAM	3	3	17.86	17.91	17.87						
1.4	25SQAM	6	0	17.86	17.99	17.96	19	5				
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	22.73	22.14	22.73	24	0				
1.4	QPSK	1	3	22.69	22.82	22.83						
1.4	QPSK	1	5	22.49	22.46	22.48	23	1				
1.4	QPSK	3	0	22.81	22.57	22.38						
1.4	QPSK	3	1	22.59	22.61	22.62	23	1				
1.4	QPSK	3	3	22.59	22.53	22.58						
1.4	QPSK	8	0	21.81	21.86	21.85	22	2				
1.4	HQAM	1	0	22.11	22.07	22.09						
1.4	HQAM	1	3	22.16	22.14	22.13	22	2				
1.4	HQAM	1	5	22.07	22.03	22.03						
1.4	HQAM	3	0	21.93	21.83	21.80	21	3				
1.4	HQAM	3	1	21.88	21.86	21.81						
1.4	HQAM	6	0	20.88	20.91	20.94	22	2				
1.4	HQAM	1	0	21.04	20.96	21.03						
1.4	HQAM	3	0	20.99			22	2				
1.4	HQAM	3	1	20.99								

Band 17 Ant2 DS12												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up time (sec)	MPR (dB)				
Channel												
Frequency (MHz)												
710 711 713												
15	QPSK	1	0	22.60	22.63	22.67	24	0				
15	QPSK	1	25	22.59	22.61	22.59						
15	QPSK	1	49	22.60	22.58	22.61						
15	QPSK	25	0	21.86	21.87	21.86						
15	QPSK	25	12	21.76	21.85	21.85	23	1				
15	QPSK	25	25	21.82	21.85	21.83						
15	QPSK	50	0	21.63	21.64	21.65						
15	16QAM	1	0	22.16	22.16	22.07						
15	16QAM	1	25	22.15	22.17	22.15	23	1				
15	16QAM	1	49	22.17	22.16	22.16						
15	16QAM	25	0	20.95	20.95	20.95						
15	16QAM	25	12	20.97	20.91	20.91						
15	16QAM	25	25	20.92	20.91	20.95	22	2				
15	16QAM	50	0	20.95	20.95	20.95						
15	16QAM	1	0	20.99	20.95	20.99						
15	16QAM	1	25	21.02	20.97	21.01						
15	16QAM	1	49	21.03	21.00	20.99	21	3				
15	16QAM	25	0	20.30	20.18	20.29						
15	16QAM	25	12	20.28	20.23	20.30						
15	16QAM	25	25	20.42	20.31	20.31						
15	16QAM	50	0	20.40	20.31	20.28	19	5				
15	256QAM	1	0	17.72	17.70	17.68						
15	256QAM	1	25	17.68	17.71	17.66						
15	256QAM	1	49	17.71	17.69	17.67						
15	256QAM	25	0	17.70	17.69	17.61	19	5				
15	256QAM	25	12	17.62	17.70	17.67						
15	256QAM	25	25	17.68	17.69	17.69						
15	256QAM	50	0	17.71	17.70	17.71						
Channel												
706.5 710 713.5												
5	QPSK	1	0	22.52	22.55	22.48	24	0				
5	QPSK	1	12	22.58	22.55	22.60						
5	QPSK	1	24	22.60	22.58	22.58						
5	QPSK	12	0	21.83	21.85	21.89						
5	QPSK	12	7	21.95	21.93	21.92	23	1				
5	QPSK	12	13	21.88	21.87	21.84						
5	QPSK	25	0	21.84	21.87	21.86						
5	16QAM	1	0	22.18	22.22	22.20						
5	16QAM	1	12	22.14	22.16	22.15	23	1				
5	16QAM	1	24	22.10	22.13	22.07						
5	16QAM	12	0	20.91	20.93	20.93						
5	16QAM	12	7	20.93	20.97	20.95						
5	16QAM	12	13	20.91	20.91	20.88	22	2				
5	16QAM	25	0	20.93	20.89	20.95						
5	16QAM	1	0	21.11	21.09	21.12						
5	16QAM	1	12	21.04	20.97	20.99						
5	16QAM	1	24	21.01	21.05	20.95	21	3				
5	16QAM	12	0	20.34	20.36	20.28						
5	16QAM	12	7	20.36	20.35	20.41						
5	16QAM	12	13	20.22	20.21	20.31						
5	16QAM	25	0	20.27	20.26	20.27	19	5				
5	256QAM	1	0	17.72	17.71	17.63						
5	256QAM	1	12	17.73	17.77	17.70						
5	256QAM	1	24	17.76	17.74	17.70						
5	256QAM	12	0	17.70	17.72	17.63	19	5				
5	256QAM	12	7	17.64	17.70	17.69						
5	256QAM	12	13	17.67	17.71	17.70						
5	256QAM	25	0	17.72	17.78	17.68						

Band 26 Ant1 DS12												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. (MHz)	Power Mid Ch./Freq. (MHz)	Power High Ch./Freq. (MHz)	Turn-on time (sec)	MPR (dB)				
Channel												
Frequency (MHz)												
821.5 831.5 841.5												
15	QPSK	1	0	22.88	22.94	22.83	24	0				
15	QPSK	1	37	22.83	22.85	22.82						
15	QPSK	1	74	22.71	22.83	22.90						
15	QPSK	36	0	21.89	21.93	21.70						
15	QPSK	36	20	21.81	21.87	21.80	23	1				
15	QPSK	36	36	21.82	21.83	21.78						
15	QPSK	75	0	21.87	21.88	21.76						
15	16QAM	1	0	22.19	22.08	22.20						
15	16QAM	1	37	22.14	22.03	21.95	23	1				
15	16QAM	1	74	22.06	21.97	21.91						
15	16QAM	36	0	21.01	20.83	20.71						
15	16QAM	36	20	21.01	20.85	20.92	22	2				
15	16QAM	75	0	20.85	20.88	20.75						
15	16QAM	75	0	20.99	20.88	20.75						
15	16QAM	1	0	21.05	20.94	20.88						
15	16QAM	1	37	21.02	20.90	20.88	22	2				
15	16QAM	1	74	20.91	20.86	20.87						
15	16QAM	36	0	20.01	19.85	19.71						
15	16QAM	36	20	19.99	19.84	19.79						
15	16QAM	75	0	19.87	19.84	19.74	21	3				
15	16QAM	75	0	19.99	19.88	19.72						
15	256QAM	1	0	18.00	18.04	18.07						
15	256QAM	1	37	17.88	17.94	17.85						
15	256QAM	1	74	17.87	17.93	17.88	19	5				
15	256QAM	36	0	17.73	17.78	17.75						
15	256QAM	36	20	17.78	17.84	17.73						
15	256QAM	36	36	17.73	17.78	17.68						
15	256QAM	75	0	17.71	17.75	17.63	19	5				
15	256QAM	75	0	17.73	17.78	17.68						
15	256QAM	75	0	17.73	17.78	17.68						
15	256QAM	75	0	17.73	17.78	17.68						
Channel												
819 831.5 844												
10	QPSK	1	0	22.88	22.85	22.78	24	0				
10	QPSK	1	25	22.83	22.84	22.76						
10	QPSK	1	49	22.83	22.75	22.75						
10	QPSK	25	0	22.15	21.91	21.81						
10	QPSK	25	12	22.12	21.96	21.83	23	1				
10	QPSK	25	25	22.11	21.95	21.87						
10	QPSK	50	0	22.14	21.96	21.91						
10	16QAM	1	0	22.34	22.22	22.14						
10	16QAM	1	25	22.31	22.16	22.09	23	1				
10	16QAM	1	49	22.32	22.19	22.12						
10	16QAM	25	0	21.18	20.91	20.85						
10	16QAM	25	12	21.17	21.01	20.87						
10	16QAM	25	25	21.14	21.00	20.89	22	2				
10	16QAM	50	0	21.15	21.02	20.85						
10	16QAM	1	0	21.23	21.06	21.01						
10	16QAM	1	12	21.14	21.03	20.92						
10	16QAM	1	49	21.19	21.00	20.94	21	3				
10	16QAM	25	0	20.18	19.94	19.82						
10	16QAM	25	12	20.18	19.92	19.82						
10	16QAM	25	25	20.11	19.95	19.85						
10	16QAM	50	0	20.13	19.99	19.85	19	5				
10	256QAM	1	0	17.63	17.60	17.51						
10	256QAM	1	25	17.63	17.91	17.77						
10	256QAM	1	49	17.80	17.87	17.83						
10	256QAM	12	0	17.78	17.76	17.72	19	5				
10	256QAM	12	7	17.75	17.75	17.72						
10	256QAM	12	13	17.72	17.72	17.62						
10	256QAM	25	0	17.73	17.78	17.62						

Channel									
26715 26865 27015									
Frequency (MHz)						Turn-on (dB)		LPR (dB)	
5	QPSK	1	0	22.88	22.87	22.73			
5	QPSK	1	10	22.90	22.87	22.77			
5	QPSK	1	20	22.93	22.82	22.69			24
5	QPSK	1	30	22.94	21.85	21.81			
5	QPSK	12	0	22.12	21.97	21.84			
5	QPSK	12	10	22.14	21.81	21.84			23
5	QPSK	12	20	22.13	21.94	21.77			
5	QPSK	1	0	22.40	22.20	22.06			
5	QPSK	1	10	22.41	22.17	22.07			23
5	QPSK	1	20	22.30	21.08	21.08			
5	QPSK	12	0	21.84	21.81	21.85			
5	QPSK	12	10	21.86	21.81	21.85			22
5	QPSK	12	13	21.16	20.99	20.84			
5	QPSK	20	0	21.55	20.96	20.85			
5	QPSK	20	10	21.13	21.10	21.01			
5	QPSK	1	12	21.32	21.12	21.02			21
5	QPSK	1	24	21.25	21.03	20.92			
5	QPSK	12	7	20.94	20.83	20.86			
5	QPSK	12	7	20.14	19.98	19.87			19
5	QPSK	12	13	20.15	19.95	19.89			
5	QPSK	20	0	20.84	20.84	20.89			
5	28QAM	1	0	17.99	18.05	17.97			
5	28QAM	1	12	17.88	17.93	17.88			19
5	28QAM	1	20	17.88	17.88	17.87			
5	28QAM	12	0	17.86	17.96	17.87			
5	28QAM	12	7	17.85	17.91	17.82			19
5	28QAM	12	13	17.78	17.77	17.75			
5	28QAM	20	0	17.82	17.88	17.82			
Channel									
26765 26915 27025									
Frequency (MHz)						Turn-on (dB)		LPR (dB)	
3	QPSK	1	0	22.85	22.81	22.71			
3	QPSK	1	8	22.90	22.88	22.78			
3	QPSK	1	16	22.91	22.86	22.76			24
3	QPSK	8	0	22.12	21.85	21.81			
3	QPSK	8	4	22.20	22.00	21.86			
3	QPSK	8	8	22.20	21.80	21.76			23
3	QPSK	16	0	21.13	21.04	21.81			
3	QPSK	1	0	22.33	22.17	22.15			
3	QPSK	1	8	22.34	22.24	22.18			23
3	QPSK	1	14	22.37	22.20	21.99			
3	QPSK	8	0	21.16	20.89	20.88			
3	QPSK	8	4	21.22	21.03	20.89			
3	QPSK	8	8	21.17	20.94	20.83			20
3	QPSK	16	0	21.21	20.99	20.89			
3	QPSK	1	16	21.25	21.08	21.02			22
3	QPSK	1	8	21.37	21.11	21.06			
3	QPSK	1	14	21.27	21.09	20.90			
3	QPSK	8	0	20.13	19.93	19.82			
3	QPSK	8	4	20.13	19.88	19.87			
3	QPSK	8	8	20.04	19.82	19.82			
3	28QAM	1	0	18.08	18.11	18.04			
3	28QAM	1	8	17.96	18.00	17.91			
3	28QAM	1	14	18.00	18.00	17.93			
3	28QAM	8	0	17.90	17.94	17.84			
3	28QAM	8	4	17.83	17.89	17.86			
3	28QAM	8	8	17.78	17.83	17.75			19
3	28QAM	16	0	17.86	17.88	17.68			

Band 66 Ant1 DS12														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq. 150072	Power Max Ch / Freq. 150322	Power High Ch / Freq. 150572	Turn-on time (dB)	MPE (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	22.85	22.92	22.76	24	0						
20	QPSK	1	40	22.76	22.77	22.85								
20	QPSK	1	96	22.76	22.81	22.78								
20	QPSK	50	0	21.86	22.04	21.72								
20	QPSK	50	24	21.77	21.89	21.83	23	1						
20	QPSK	50	50	21.79	21.78	21.83								
20	QPSK	100	0	22.01	22.03	21.77								
20	16QAM	1	0	21.93	21.84	21.79								
20	16QAM	1	40	21.88	21.96	21.75	23	1						
20	16QAM	1	96	21.89	21.86	21.83								
20	16QAM	50	0	20.88	21.03	20.90								
20	16QAM	50	24	20.84	20.95	20.89								
20	16QAM	50	50	20.87	20.74	20.86	22	2						
20	16QAM	100	0	20.85	20.90	20.79								
20	84QAM	1	0	20.83	20.89	20.87								
20	84QAM	1	40	20.78	20.85	20.76								
20	84QAM	1	96	20.73	20.85	20.87	22	2						
20	84QAM	50	0	19.89	20.12	19.72								
20	84QAM	50	24	19.75	19.77	19.76								
20	84QAM	50	50	19.82	19.73	19.86								
20	84QAM	100	0	19.94	19.81	20.01	21	3						
20	84QAM	100	24	19.75	19.87	19.86								
20	256QAM	1	40	17.84	17.88	17.72								
20	256QAM	1	96	17.83	17.83	17.83								
20	256QAM	50	0	17.86	17.86	17.73	19	5						
20	256QAM	50	24	17.88	17.83	17.89								
20	256QAM	50	50	17.86	17.83	17.77								
20	256QAM	100	0	17.87	17.83	17.77								
Channel														
Frequency (MHz)														
16	QPSK	1	0	22.91	22.87	22.83	24	0						
16	QPSK	1	40	22.90	22.90	22.86								
16	QPSK	1	74	22.87	22.83	22.84								
16	QPSK	36	0	21.71	21.94	21.80								
16	QPSK	36	24	21.73	21.88	21.88	23	1						
16	QPSK	36	36	21.87	21.82	21.89								
16	QPSK	75	0	22.06	21.89	21.76								
16	16QAM	1	0	21.95	21.88	21.79								
16	16QAM	1	37	21.68	21.90	21.87	23	1						
16	16QAM	1	74	21.61	21.87	21.73								
16	16QAM	36	0	20.87	21.03	20.90								
16	16QAM	36	20	20.70	20.83	20.83								
16	16QAM	36	20	20.79	20.73	20.81	22	2						
16	16QAM	75	0	20.79	20.73	20.81								
16	84QAM	1	0	20.87	21.03	20.83								
16	84QAM	1	24	20.73	20.77	20.82								
16	84QAM	1	74	20.78	20.85	20.83	21	3						
16	84QAM	36	0	19.95	20.07	19.79								
16	84QAM	36	24	19.79	19.87	19.82								
16	84QAM	36	36	19.73	19.80	19.85								
16	84QAM	75	0	20.03	19.94	19.89	19	5						
16	256QAM	1	0	17.85	17.77	17.73								
16	256QAM	1	37	17.91	17.77	17.78								
16	256QAM	1	74	17.85	17.77	17.73								
16	256QAM	36	0	17.85	18.02	17.84	19	5						
16	256QAM	36	20	17.73	17.93	17.73								
16	256QAM	36	36	17.91	17.84	17.71								
16	256QAM	75	0	17.76	17.82	17.84								
Channel														
Frequency (MHz)														
16	QPSK	1	0	22.87	22.82	22.83	24	0						
16	QPSK	1	25	22.78	22.91	22.72								
16	QPSK	1	49	22.80	22.86	22.81								
16	QPSK	25	12	21.74	21.94	21.76								
16	QPSK	25	25	21.77	21.75	21.81	23	1						
16	QPSK	50	0	21.84	21.88	21.80								
16	16QAM	1	0	21.94	22.00	21.80								
16	16QAM	1	25	21.78	21.90	21.80								
16	16QAM	1	49	21.87	21.88	21.86	23	1						
16	16QAM	25	0	21.00	21.01	20.92								
16	16QAM	25	12	20.68	20.94	20.86								
16	16QAM	25	25	20.90	20.98	20.88								
16	16QAM	50	0	20.72	20.82	20.81	22	2						
16	16QAM	50	12	20.80	20.98	20.86								
16	84QAM	1	0	20.91	20.96	20.92								
16	84QAM	1	24	20.84	20.74	20.84								
16	84QAM	1	49	20.87	20.85	20.91	21	3						
16	84QAM	25	0	19.86	20.10	19.77								
16	84QAM	25	12	19.72	19.89	19.71								
16	84QAM	25	25	19.73	19.72	19.78								
16	84QAM	50	0	19.93	19.91	19.94	19	5						
16	256QAM	1	0	18.00	18.01	17.95								
16	256QAM	1	25	17.89	17.80	17.85								
16	256QAM	25	12	17.76	17.78	17.76								
16	256QAM	25	25	17.88	17.94	17.76	19	5						
16	256QAM	50	0	17.88	17.80	17.75								
16	256QAM	25	12	17.76	17.78	17.76								
16	256QAM	25	25	17.81	17.84	17.72								
16	256QAM	50	0	17.71	17.82	17.73	19	5						
16	256QAM	50	25	17.81	17.84	17.72								
16	256QAM	50	50	17.71	17.82	17.73								
16	256QAM	50	75	17.71	17.82	17.73								
Channel														
Frequency (MHz)														
5	QPSK	1	0	22.87	22.82	22.83	24	0						
5	QPSK	1	12	22.78	22.82	22.78								
5	QPSK	1	24	22.85	22.87	22.79								
5	QPSK	12	0	21.88	22.07	21.85								
5	QPSK	12	7	21.73	21.89	21.76	23	1						
5	QPSK	12	13	21.84	21.81	21.81								
5	QPSK	25	0	21.92	21.78	21.73								
5	16QAM	1	0	21.89	21.99	21.71								
5	16QAM	1	12	21.68	21.99	21.89	23	1						
5	16QAM	1	24	21.83	21.86	21.72								
5	16QAM	12	0	20.90	21.09	20.83								
5	16QAM	12	7	20.70	20.89	20.77								
5	16QAM	12	13	20.88	20.82	20.84	22	2						
5	16QAM	25	0	20.72	20.83	20.86								
5	84QAM	1	0	20.80	20.89	20.90								
5	84QAM	1	12	20.78	20.84	20.89								
5	84QAM	1	24	20.85	20.72	20.90	22	2						
5	84QAM	12	0	20.00	19.97	19.86								
5	84QAM	12	7	19.82	19.85	19.89								
5	84QAM	12	13	19.73	19.75	19.79								
5	84QAM	25	0	19.96	19.98	19.98	21	3						
5	84QAM	25	0	17.95	17.97	17.89								
5	256QAM	1	0	17.85	17.77	17.73	19	5						
5	256QAM	1	12	17.85	17.77	17.73								
5	256QAM	1	24	17.85	17.77	17.73								
5	256QAM	12	0	17.87	18.04	17.81								
5	256QAM	12	7	17.77	17.78	17.78								
5	256QAM	12	13	17.92	17.83	17.73								
5	256QAM	25	0	17.73	17.81	17.77								
Channel														
Frequency (MHz)														
3	QPSK	1	0	22.91	22.86	22.85	24	0						
3	QPSK	1	12	22.76	22.82	22.78								
3	QPSK	1	24	22.81	22.84	22.85								
3	QPSK	8	0	21.88	21.95	21.82								
3	QPSK	8	7	21.86	21.91	21.87	23	1						
3	QPSK	8	7	21.96	21.72	21.65								
3	QPSK	16	0	21.94	21.82	21.89								
3	16QAM	1	0	21.98	21.98	21.88								
3	16QAM	1	8	21.77	21.81	21.73	23	1						
3	16QAM	1	14	21.87	21.75	21.66								
3	16QAM	8	0	20.93	21.08	20.97								
3	16QAM	8	4	20.72	20.82	20.81								
3	16QAM	8	7	20.79	20.81	20.90	22	2						
3	16QAM	16	0	20.85	20.85	20.85								
3	16QAM	16	8	20.69	20.90	20.84								
3	16QAM	16	14	20.80	20.87	20.87								
3	16QAM	8	0	19.99	20.10	19.74	22	2						
3	16QAM	8	4	19.79	19.92	19.84								
3	16QAM	8	7	19.85	19.86	19.98								
3	16QAM	16	0	19.95	19.98	19.98								
3	16QAM	16	8	19.86	19.86	20.00	21	3						
3	16QAM	16	14	19.78	19.87	19.87								
3	16QAM	8	0	19.85	19.85	19.85	19	5						
3	16QAM	8	7	17.88	18.00	17.77								
3	16QAM	16	0	17.87	17.87	17.87								
3	16QAM	16	8	17.87	17.87	17.87								
3	16QAM	16	14	17.88	17.88	17.88								
3	16QAM	8	4	17.84	17.88	17.86								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	22.87	22.82	22.83	24	0						
1.4	QPSK	1	12	22.78	22.82	22.78								
1.4	QPSK	1	24	22.81	22.84	22.85								
1.4	QPSK	8	0	21.88	21.95	21.82								
1.4	QPSK	3	0	22.73	22.86	22.79	23	1						
1.4	QPSK	3	7	22.73	22.81	22.81								
1.4	16QAM	1	0	21.71	21.72	21.65								
1.4	16QAM	1	3	21.80	21.68	21.68								
1.4	16QAM	3	0	21.73	21.73	21.73	23	1						
1.4	16QAM	3	7	21.85	21.83	21.87								
1.4	16QAM	8	0	20.87	21.04	20.93								
1.4	16QAM	8	4	20.59	20.88	20.83								
1.4	16QAM	8	7	20.70	20.82	20.71	22	2						
1.4	16QAM	16	0	20.70	20.82	20.71								
1.4	16QAM	16	8	20.68	20.97	20.87								
1.4	16QAM	16	14	20.72	20.79	20.78								
1.4	16QAM	8	0	19.80	19.93	19.86	21	3						
1.4	16QAM	8	7	19.77	19.81	19.81								
1.4	16QAM	8	14	19.78	19.78	19.78								
1.4	16QAM	8	21	19.78	19.78	19.78								
1.4	16QAM	16	0	17.84	17.88	17.86	19	5						
1.4	16QAM	16	8	17.88	17.88	17.88								
1.4	16QAM	16	14	17.88	17.88	17.88								
1.4	16QAM	8	4	17.88	17.88	17.88								
1.4	16QAM	8	7	17.88	17.81	17.72								
1.4														

Band 38-PC3 Ant1 DS12												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch/Freq	Power Middle Ch/Freq	Power High Ch/Freq	Tune-up Int (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	23.31	23.36	23.27	24	0				
20	QPSK	1	49	23.15	23.19	23.13						
20	QPSK	1	99	23.02	23.03	23.06						
20	QPSK	50	0	22.27	22.31	22.20						
20	QPSK	50	24	22.25	22.23	22.17	23	1				
20	QPSK	50	50	22.08	22.12	22.10						
20	QPSK	100	0	22.20	22.26	22.17						
20	16QAM	1	0	22.53	22.57	22.51						
20	16QAM	1	49	22.40	22.45	22.43	23	1				
20	16QAM	1	99	22.28	22.31	22.25						
20	16QAM	50	0	21.28	21.30	21.29						
20	16QAM	50	24	21.17	21.24	21.23						
20	16QAM	50	50	21.14	21.20	21.13	22	2				
20	16QAM	100	0	21.23	21.25	21.20						
20	64QAM	1	0	21.36	21.41	21.36						
20	64QAM	1	49	21.20	21.28	21.21						
20	64QAM	1	99	21.12	21.12	21.10	22	2				
20	64QAM	50	0	20.31	20.29	20.27						
20	64QAM	50	24	20.20	20.27	20.22						
20	64QAM	50	50	20.12	20.19	20.18						
20	64QAM	100	0	20.23	20.26	20.22	21	3				
20	256QAM	1	0	18.30	18.30	18.25						
20	256QAM	1	49	18.21	18.21	18.18						
20	256QAM	1	99	18.09	18.08	18.05						
20	256QAM	50	0	18.26	18.29	18.37	19	5				
20	256QAM	50	24	18.30	18.37	18.31						
20	256QAM	50	50	18.24	18.25	18.19						
20	256QAM	100	0	18.16	18.24	18.20						
Channel												
Frequency (MHz)												
15	QPSK	1	0	23.77.5	23.65	23.62.5	24	0				
15	QPSK	1	49	23.69	23.18	23.06						
15	QPSK	1	74	23.10	23.01	23.03						
15	QPSK	36	0	22.21	22.23	22.16						
15	QPSK	36	24	22.22	22.22	22.19	23	1				
15	QPSK	36	39	22.07	22.10	22.08						
15	QPSK	75	0	22.17	22.18	22.12						
15	16QAM	1	0	22.47	22.42	22.47						
15	16QAM	1	37	22.37	22.41	22.42	24	1				
15	16QAM	1	74	22.22	22.28	22.23						
15	16QAM	36	0	21.26	21.28	21.28						
15	16QAM	36	20	21.13	21.22	21.19						
15	16QAM	36	39	21.12	21.13	21.11	22	2				
15	16QAM	75	0	21.17	21.24	21.16						
15	64QAM	1	0	21.32	21.38	21.34						
15	64QAM	1	37	21.16	21.25	21.15						
15	64QAM	1	74	21.05	21.10	21.06	22	2				
15	64QAM	36	0	20.48	20.23	20.20						
15	64QAM	36	20	20.13	20.21	20.17						
15	64QAM	36	39	20.10	20.16	20.12						
15	64QAM	75	0	20.19	20.20	20.15	21	3				
15	256QAM	1	0	18.25	18.22	18.22						
15	256QAM	1	37	18.14	18.17	18.15						
15	256QAM	1	74	18.03	18.07	18.05						
15	256QAM	36	0	18.32	18.36	18.32	19	5				
15	256QAM	36	20	18.30	18.32	18.24						
15	256QAM	36	39	18.19	18.23	18.17						
15	256QAM	75	0	18.13	18.14	18.14						
Channel												
Frequency (MHz)												
10	QPSK	1	0	23.75	23.65	23.62.5	24	0				
10	QPSK	1	49	23.65	23.24	23.21						
10	QPSK	1	99	23.10	23.05	23.07						
10	QPSK	25	0	22.20	22.18	22.11						
10	QPSK	25	12	22.19	22.18	22.11	23	1				
10	QPSK	25	25	22.03	22.05	22.03						
10	QPSK	50	0	22.14	22.12	22.12						
10	16QAM	1	0	22.48	22.52	22.46						
10	16QAM	1	25	22.53	22.58	22.57	23	1				
10	16QAM	1	49	22.22	22.26	22.18						
10	16QAM	25	0	21.23	21.25	21.23						
10	16QAM	25	12	21.10	21.17	21.16						
10	16QAM	25	25	21.09	21.15	21.08	22	2				
10	16QAM	50	0	21.18	21.18	21.13						
10	64QAM	1	0	21.31	21.36	21.33						
10	64QAM	1	25	21.14	21.22	21.15						
10	64QAM	1	49	21.06	21.07	21.05	21	3				
10	64QAM	25	0	20.45	20.23	20.22						
10	64QAM	25	12	20.13	20.20	20.16						
10	64QAM	25	25	20.06	20.14	20.11						
10	64QAM	50	0	20.17	20.20	20.17	21	3				
10	256QAM	1	0	18.23	18.24	18.19						
10	256QAM	1	25	18.15	18.14	18.13						
10	256QAM	1	49	18.04	18.02	18.00						
10	256QAM	25	0	18.25	18.24	18.21	19	5				
10	256QAM	25	12	18.30	18.31	18.26						
10	256QAM	25	25	18.18	18.19	18.12						
10	256QAM	50	0	18.09	18.19	18.13						
Channel												
Frequency (MHz)												
5	QPSK	1	0	23.35	23.33	23.29	24	0				
5	QPSK	1	12	23.19	23.23	23.17						
5	QPSK	1	24	23.05	23.07	23.00						
5	QPSK	12	0	22.29	22.28	22.24						
5	QPSK	12	7	22.28	22.26	22.21	23	1				
5	QPSK	12	13	22.12	22.15	22.13						
5	QPSK	25	0	22.23	22.22	22.20						
5	16QAM	1	0	22.28	22.29	22.24						
5	16QAM	1	12	22.43	22.47	22.47	23	1				
5	16QAM	1	24	22.31	22.34	22.28						
5	16QAM	12	0	21.31	21.33	21.32						
5	16QAM	12	7	21.19	21.26	21.26						
5	16QAM	12	13	21.18	21.23	21.18	22	2				
5	16QAM	25	0	21.27	21.28	21.23						
5	64QAM	1	0	21.40	21.44	21.40						
5	64QAM	1	12	21.24	21.30	21.24						
5	64QAM	1	24	21.15	21.14	21.14	22	2				
5	64QAM	12	0	20.34	20.33	20.30						
5	64QAM	12	7	20.24	20.30	20.25						
5	64QAM	12	13	20.16	20.22	20.21						
5	64QAM	25	0	20.25	20.29	20.25	21	3				
5	256QAM	1	0	18.22	18.22	18.20						
5	256QAM	1	12	18.23	18.23	18.21						
5	256QAM	1	24	18.13	18.12	18.09						
5	256QAM	12	0	18.28	18.41	18.40	19	5				
5	256QAM	12	7	18.30	18.39	18.35						
5	256QAM	12	13	18.27	18.27	18.23						
5	256QAM	25	0	18.19	18.26	18.24	19	5				

Band 38 -PC2 Ant1 DS12												
BW (kHz)	Modulation	RB Size	RB Offset	Power Low Ch /Freq	Power Middle Ch /Freq	Power High Ch /Freq	Turn-up time (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	26.32	26.39	26.33	27	0				
20	QPSK	1	49	26.24	26.35	26.26						
20	QPSK	1	99	26.18	26.33	26.24						
20	QPSK	50	0	25.28	25.38	25.37	26	1				
20	QPSK	50	24	25.17	25.35	25.33						
20	QPSK	100	100	25.11	25.28	25.18						
20	QPSK	100	100	25.04	25.25	25.31	26	1				
20	16QAM	1	0	26.35	26.44	26.36						
20	16QAM	1	49	26.19	26.45	26.21						
20	16QAM	1	99	26.16	26.36	26.26	25	2				
20	16QAM	50	0	24.38	24.45	24.38						
20	16QAM	50	24	24.25	24.45	24.27						
20	16QAM	100	100	24.24	24.49	24.28	25	2				
20	16QAM	100	100	24.24	24.44	24.42						
20	16QAM	1	0	24.30	24.50	24.36						
20	16QAM	1	49	24.21	24.46	24.33	24	3				
20	16QAM	1	99	24.13	24.32	24.21						
20	16QAM	50	0	23.28	23.48	23.41						
20	16QAM	50	24	23.31	23.33	23.46	22	5				
20	16QAM	100	100	23.27	23.32	23.27						
20	16QAM	100	100	23.12	23.25	23.33						
20	256QAM	1	0	21.41	21.43	21.36	22	5				
20	256QAM	1	49	21.16	21.38	21.27						
20	256QAM	1	99	21.13	21.40	21.28						
20	256QAM	50	0	21.30	21.50	21.30	22	5				
20	256QAM	50	24	21.35	21.50	21.43						
20	256QAM	100	100	21.21	21.38	21.16						
20	256QAM	100	0	21.17	21.35	21.27	22	5				
Channel												
Frequency (MHz)												
15	QPSK	1	0	26.18	26.27	26.32	27	0				
15	QPSK	1	37	26.13	26.28	26.11						
15	QPSK	1	74	26.05	26.13	26.07						
15	QPSK	36	0	25.14	25.30	25.35	26	1				
15	QPSK	36	20	25.10	25.17	25.22						
15	QPSK	36	39	24.91	25.09	25.03						
15	QPSK	75	0	25.36	25.28	25.23	26	1				
15	QPSK	1	0	25.34	25.28	25.38						
15	16QAM	1	37	25.11	25.30	25.05						
15	16QAM	1	74	25.11	25.34	25.16	25	2				
15	16QAM	1	0	24.21	24.27	24.33						
15	16QAM	36	20	24.22	24.27	24.24						
15	16QAM	36	39	24.19	24.23	24.37	25	2				
15	16QAM	75	0	24.18	24.43	24.30						
15	16QAM	1	0	24.18	24.35	24.25						
15	16QAM	1	37	24.16	24.28	24.14	24	3				
15	16QAM	1	74	24.02	24.18	24.06						
15	16QAM	36	20	23.13	23.29	23.34						
15	16QAM	36	39	23.11	23.29	23.34	22	5				
15	16QAM	75	0	22.97	23.09	23.16						
15	16QAM	1	0	21.24	21.37	21.32						
15	256QAM	1	37	21.06	21.29	21.13	22	5				
15	256QAM	1	74	21.16	21.28	21.14						
15	256QAM	36	0	21.29	21.43	21.34						
15	256QAM	36	20	21.25	21.35	21.34	22	5				
15	256QAM	36	39	21.02	21.21	21.10						
15	256QAM	75	0	20.98	21.34	21.11						
Channel												
Frequency (MHz)												
10	QPSK	1	0	25.73	25.95	26.15	27	0				
10	QPSK	1	0	25.23	26.23	26.28						
10	QPSK	1	35	26.21	26.36	26.18						
10	QPSK	1	49	26.07	26.27	26.13	26	1				
10	QPSK	25	0	25.21	25.26	25.31						
10	QPSK	25	12	25.15	25.30	25.32						
10	QPSK	25	25	25.09	25.08	25.05	26	1				
10	QPSK	50	0	25.27	25.31	25.25						
10	16QAM	1	0	25.34	25.37	25.34						
10	16QAM	1	35	25.16	25.38	25.35	26	1				
10	16QAM	1	49	25.12	25.23	25.25						
10	16QAM	25	0	24.23	24.38	24.37						
10	16QAM	25	12	24.12	24.44	24.38	25	2				
10	16QAM	25	25	24.18	24.14	24.26						
10	16QAM	50	0	24.10	24.39	24.29						
10	16QAM	1	0	24.19	24.49	24.33	25	2				
10	16QAM	1	25	24.11	24.34	24.17						
10	16QAM	1	49	24.07	24.14	24.11						
10	16QAM	25	0	23.13	23.45	23.37	24	3				
10	16QAM	25	12	23.27	23.32	23.35						
10	16QAM	25	25	23.20	23.28	23.22						
10	16QAM	50	0	22.93	23.10	23.22	22	5				
10	256QAM	1	0	21.32	21.29	21.21						
10	256QAM	1	25	20.97	21.32	21.28						
10	256QAM	1	49	21.05	21.35	21.25	22	5				
10	256QAM	25	0	21.36	21.33	21.17						
10	256QAM	25	12	21.26	21.35	21.41						
10	256QAM	25	25	21.11	21.26	21.07	22	5				
10	256QAM	50	0	20.98	21.28	21.18						
10	256QAM	50	0	20.77	20.60	20.25						
Channel												
Frequency (MHz)												
5	QPSK	1	0	26.16	26.25	26.27	27	0				
5	QPSK	1	12	26.11	26.24	26.22						
5	QPSK	1	24	26.06	26.16	26.07						
5	QPSK	12	0	25.22	25.21	25.28	26	1				
5	QPSK	12	7	25.09	25.25	25.26						
5	QPSK	12	13	25.04	25.07	25.09						
5	QPSK	25	0	25.31	25.38	25.22	26	1				
5	16QAM	1	0	25.24	25.33	25.35						
5	16QAM	1	12	25.07	25.27	25.08						
5	16QAM	1	24	24.11	24.18	24.11	25	2				
5	16QAM	12	0	24.23	24.32	24.32						
5	16QAM	12	7	24.09	24.38	24.19						
5	16QAM	12	13	24.22	24.09	24.10	25	2				
5	16QAM	25	0	24.23	24.44	24.41						
5	16QAM	1	0	24.31	24.34	24.18						
5	16QAM	1	12	24.16	24.45	24.24	24	3				
5	16QAM	1	24	23.69	24.22	24.04						
5	16QAM	12	0	23.21	23.28	23.23						
5	16QAM	12	7	23.26	23.24	23.30	24	3				
5	16QAM	12	13	23.17	23.22	23.26						
5	16QAM	25	0	22.94	23.22	23.22						
5	256QAM	1	0	21.27	21.27	21.32	22	5				
5	256QAM	1	12	20.97	21.38	21.14						
5	256QAM	1	24	21.22	21.21	21.21						
5	256QAM	12	0	21.34	21.45	21.28	22	5				
5	256QAM	12	7	21.24	21.48	21.38						
5	256QAM	12	13	21.08	21.22	21.10						
5	256QAM	25	0	21.00	21.30	21.36	22	5				
Channel												
Frequency (MHz)												



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Co. [Frac]	Power Low Mid Co. [Frac]	Power Low High Co. [Frac]	Power High Mid Co. [Frac]	Power High High Co. [Frac]	Time-up limit (dBm)	MPR (dB)
Channel										
				39750	40185	40620	41055	41490		
Frequency (MHz)										
20	QPSK	1	0	2506	2548.5	2593	2636.5	2680	24	0
20	QPSK	1	49	2331	2330	2339	2338	2337		
20	QPSK	1	99	2306	2300	2306	2302	2301		
20	QPSK	50	0	2228	2222	2234	2227	2225	23	1
20	QPSK	50	24	2227	2219	2224	2221	2222		
20	QPSK	50	50	2216	2213	2205	2204	2208		
20	QPSK	100	0	2221	2220	2226	2223	2219	23	1
20	16QAM	1	0	2229	2224	2224	2231	2236		
20	16QAM	1	49	2228	2225	2222	2223	2241		
20	16QAM	1	99	2233	2228	2213	2210	2229	22	2
20	16QAM	50	0	2132	2133	2112	2113	2132		
20	16QAM	50	24	2126	2127	2111	2113	2123		
20	16QAM	50	50	2123	2116	2112	2109	2120	21	3
20	16QAM	100	0	2127	2123	2109	2111	2126		
20	16QAM	100	1	2144	2141	2137	2136	2143		
20	64QAM	1	49	2132	2134	2136	2138	2138	20	0
20	64QAM	1	99	2135	2134	2139	2120	2109		
20	64QAM	50	0	2031	2031	2019	2015	2030		
20	64QAM	50	24	2030	2024	2013	2010	2024	19	5
20	64QAM	50	50	2022	2022	2010	2007	2018		
20	64QAM	100	0	2029	2025	2008	2010	2026		
20	256QAM	1	0	1832	1828	1822	1810	1832	19	5
20	256QAM	1	49	1824	1820	1822	1823	1823		
20	256QAM	1	99	1811	1807	1812	1804	1804		
20	256QAM	50	0	1842	1840	1821	1819	1840	19	5
20	256QAM	50	24	1840	1833	1818	1817	1836		
20	256QAM	50	50	1829	1823	1821	1819	1825		
20	256QAM	100	0	1827	1823	1809	1805	1821	20	0
Channel										
				39750	40185	40620	41055	41490		
Frequency (MHz)										
15	QPSK	1	0	2331	2331	2329	2327	2323	24	0
15	QPSK	1	37	2319	2316	2312	2310	2313		
15	QPSK	1	74	2302	2305	2302	2302	2301		
15	QPSK	36	0	2225	2220	2208	2208	2225	23	1
15	QPSK	36	0	2228	2217	2205	2205	2218		
15	QPSK	36	24	2225	2214	2204	2201	2225		
15	QPSK	36	39	2215	2210	2204	2201	2225	22	2
15	QPSK	75	0	2219	2221	2203	2210	2216		
15	16QAM	1	0	2226	2223	2223	2228	2225		
15	16QAM	1	37	2249	2242	2223	2221	2247	23	1
15	16QAM	1	74	2230	2227	2215	2211	2227		
15	16QAM	36	0	2134	2134	2111	2111	2130		
15	16QAM	36	24	2123	2129	2107	2110	2124	22	2
15	16QAM	36	39	2123	2115	2112	2111	2118		
15	16QAM	75	0	2127	2119	2105	2112	2127		
15	64QAM	1	0	2142	2140	2141	2145	2142	21	3
15	64QAM	1	37	2131	2122	2116	2124	2126		
15	64QAM	1	74	2134	2130	2126	2123	2130		
15	64QAM	36	0	2028	2029	2018	2015	2027	19	5
15	64QAM	36	20	2027	2021	2013	2011	2023		
15	64QAM	36	39	2020	2021	2009	2005	2016		
15	64QAM	75	0	2029	2024	2005	2011	2026	19	5
15	256QAM	1	0	1831	1830	1826	1818	1830		
15	256QAM	1	37	1823	1819	1820	1824	1825		
15	256QAM	1	74	1809	1806	1822	1803	1801	19	5
15	256QAM	50	0	1843	1840	1833	1821	1843		
15	256QAM	50	24	1839	1830	1818	1814	1831		
15	256QAM	36	39	1830	1824	1820	1817	1826	20	0
15	256QAM	75	0	1825	1822	1801	1800	1819		
Channel										
				39750	40185	40620	41055	41490		
Frequency (MHz)										
10	QPSK	1	0	2329	2322	2321	2323	2336	24	0
10	QPSK	1	25	2313	2309	2303	2312	2312		
10	QPSK	1	49	2304	2300	2300	2300	2301		
10	QPSK	25	0	2219	2219	2203	2206	2218	23	1
10	QPSK	25	0	2219	2219	2203	2206	2218		
10	QPSK	25	25	2207	2207	2205	2202	2204		
10	QPSK	50	0	2218	2218	2219	2221	2214	23	1
10	16QAM	1	0	2241	2249	2223	2224	2250		
10	16QAM	1	24	2244	2241	2218	2216	2246		
10	16QAM	1	49	2224	2227	2225	2212	2220	22	2
10	16QAM	25	0	2125	2125	2111	2110	2128		
10	16QAM	25	12	2121	2124	2107	2111	2128		
10	16QAM	25	25	2122	2111	2107	2105	2119	22	2
10	16QAM	50	0	2120	2116	2107	2110	2122		
10	64QAM	1	0	2141	2132	2117	2111	2134		
10	64QAM	1	25	2127	2120	2125	2116	2128	21	3
10	64QAM	1	49	2112	2111	2122	2117	2131		
10	64QAM	25	0	2027	2030	2016	2016	2025		
10	64QAM	25	12	2030	2029	2010	2008	2022	19	5
10	64QAM	25	25	2017	2016	2005	2001	2010		
10	64QAM	50	0	2022	2018	2002	2010	2020		
10	256QAM	1	0	1826	1822	1811	1805	1831	19	5
10	256QAM	1	25	1821	1814	1827	1814	1819		
10	256QAM	1	49	1810	1802	1822	1816	1819		
10	256QAM	25	0	1833	1831	1818	1815	1836	19	5
10	256QAM	25	12	1830	1831	1816	1814	1828		
10	256QAM	25	25	1826	1815	1820	1818	1826		
10	256QAM	50	0	1821	1820	1801	1800	1819	20	0
Channel										
				39750	40185	40620	41055	41490		
Frequency (MHz)										
5	QPSK	1	0	2328	2324	2328	2322	2334	24	0
5	QPSK	1	12	2318	2314	2307	2309	2312		
5	QPSK	1	24	2303	2316	2303	2311	2317		
5	QPSK	12	0	2225	2219	2206	2204	2222	23	1
5	QPSK	12	0	2225	2219	2206	2204	2222		
5	QPSK	12	13	2211	2209	2202	2202	2202		
5	QPSK	25	0	2215	2218	2214	2203	2216	23	1
5	16QAM	1	12	2245	2242	2217	2219	2239		
5	16QAM	1	24	2230	2224	2218	2226	2226		
5	16QAM	12	0	2130	2127	2110	2106	2126	22	2
5	16QAM	12	1	2134	2132	2107	2110	2119		
5	16QAM	12	13	2119	2112	2104	2104	2117		
5	16QAM	25	0	2122	2118	2104	2108	2111	22	2
5	64QAM	1	0	2139	2138	2115	2112	2138		
5	64QAM	1	12	2129	2119	2115	2118	2126		
5	64QAM	1	24	2111	2109	2117	2107	2103	21	3
5	64QAM	12	0	2026	2025	2014	2009	2025		
5	64QAM	12	7	2025	2020	2008	2007	2019		
5	64QAM	12	13	2018	2018	2007	2003	2013	19	5
5	64QAM	25	0	2024	2023	2006	2005	2021		
5	256QAM	1	0	1828	1822	1810	1806	1828		
5	256QAM	1	12	1821	1816	1812	1824	1819	19	5
5	256QAM	1	24	1806	1803	1822	1823	1814		
5	256QAM	12	0	1826	1834	1819	1815	1837		
5	256QAM	12	7	1830	1829	1812	1812	1832	20	0
5	256QAM	12	13	1825	1819	1817	1816	1821	19	5

Ant1 DS13								
GSM850	Burst Average Power (dBm)			Tune-up	Frame-Average Power (dBm)			Tune-up
TX Channel	126	199	251	Limit	126	199	251	Limit
Frequency (MHz)	824.2	836.4	848.8	(dBm)	824.2	836.4	848.8	(dBm)
GSM 1 Tx slot	32.26	32.51	32.48	33.50	23.26	23.51	23.48	24.50
GPRS 1 Tx slots	32.36	32.51	32.37	33.50	23.36	23.51	23.37	24.50
GPRS 2 Tx slots	30.07	30.12	30.04	31.50	24.07	24.12	24.04	25.50
GPRS 3 Tx slots	28.29	28.34	28.22	29.70	24.03	24.08	23.96	25.44
GPRS 4 Tx slots	27.22	27.16	27.36	28.00	24.22	24.16	24.36	25.00
EDGE 1 Tx slot	24.51	24.56	24.78	25.00	15.51	15.56	15.78	16.00
EDGE 2 Tx slots	22.63	22.59	22.90	23.00	16.63	16.59	16.90	17.00
EDGE 3 Tx slots	21.18	21.06	21.39	21.50	16.92	16.80	17.13	17.24
EDGE 4 Tx slots	19.65	19.71	19.85	20.00	16.65	16.71	16.85	17.00

Ant1 DS13								
GSM1900	Burst Average Power (dBm)			Tune-up	Frame-Average Power (dBm)			Tune-up
TX Channel	512	661	810	Limit	512	661	810	Limit
Frequency (MHz)	1850.2	1880	1909.8	(dBm)	1850.2	1880	1909.8	(dBm)
GSM 1 Tx slot	26.75	25.88	25.87	26.30	16.75	16.88	16.87	17.30
GPRS 1 Tx slot	25.74	26.02	26.03	26.30	16.74	17.02	17.03	17.30
GPRS 2 Tx slots	22.35	22.39	22.28	23.30	16.35	16.39	16.28	17.30
GPRS 3 Tx slots	21.29	21.25	21.28	21.50	17.03	16.99	17.02	17.24
GPRS 4 Tx slots	19.70	19.83	19.76	20.30	16.79	16.83	16.76	17.30
EDGE 1 Tx slot	24.95	25.34	25.29	26.30	15.95	16.34	16.29	17.30
EDGE 2 Tx slots	22.48	22.88	22.57	23.30	16.48	16.88	16.57	17.30
EDGE 3 Tx slots	20.96	21.22	20.87	21.50	16.70	16.96	16.61	17.24
EDGE 4 Tx slots	19.83	19.81	19.88	20.30	16.83	16.81	16.88	17.30

Ant1 DS13								
Band		WCDMA II			Tune-up	WCDMA IV		
TX Channel		9262	9400	9538		1312	1413	1513
Rx Channel		9602	9600	9638	Limit	1537	1638	1738
Frequency (MHz)		1852.4	1880	1907.6	(dBm)	1712.4	1724.6	1752.6
3GPP Rel 99	AMR 12.2kbps	16.04	16.23	15.99	17.50	17.46	17.60	17.68
3GPP Rel 99	RM 12.2kbps	16.11	16.20	16.15	17.50	17.61	17.77	17.75
3GPP Rel 6	HSDPA Subtest-1	15.01	15.23	15.24	16.50	15.67	15.82	15.73
3GPP Rel 6	HSDPA Subtest-2	15.02	15.38	15.22	16.50	15.54	15.81	15.68
3GPP Rel 6	HSDPA Subtest-3	14.60	14.87	14.72	16.00	16.16	16.36	16.28
3GPP Rel 6	HSDPA Subtest-4	14.52	14.81	14.58	16.00	16.02	16.20	16.17
3GPP Rel 6	DC-HSDPA Subtest-1	15.11	15.22	15.15	16.50	15.65	15.71	15.73
3GPP Rel 6	DC-HSDPA Subtest-2	15.01	15.36	15.14	16.50	15.53	15.73	15.70
3GPP Rel 6	DC-HSDPA Subtest-3	14.57	14.77	14.61	16.00	16.05	16.27	16.25
3GPP Rel 6	DC-HSDPA Subtest-4	14.58	14.87	14.70	16.00	16.14	16.24	16.16
3GPP Rel 6	HSUPA Subtest-1	15.11	15.19	15.24	16.50	15.55	15.74	15.74
3GPP Rel 6	HSUPA Subtest-2	13.09	13.30	13.15	14.50	14.67	14.80	14.77
3GPP Rel 6	HSUPA Subtest-3	14.10	14.19	14.23	15.50	15.56	15.85	15.66
3GPP Rel 6	HSUPA Subtest-4	13.02	13.35	13.23	14.50	14.61	14.68	14.72
3GPP Rel 6	HSUPA Subtest-5	15.02	15.25	15.11	16.50	15.55	15.69	15.83

Band 2 Ant1 DS13												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turnup Init. (dB)	MFR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	16.01	16.11	16.04			16.7	0		
20	QPSK	1	49	15.97	16.11	16.04						
20	QPSK	1	99	15.94	16.06	15.84			16.7	0		
20	QPSK	50	0	16.05	16.07	16.03						
20	QPSK	50	24	15.98	16.01	15.97			16.7	0		
20	QPSK	50	50	15.93	16.01	15.88						
20	QPSK	100	0	15.98	16.03	15.93			16.7	0		
20	16QAM	50	0	15.95	16.00	15.90						
20	16QAM	1	49	15.90	16.02	15.86			16.7	0		
20	16QAM	1	99	15.94	16.02	15.87						
20	16QAM	50	0	15.93	16.10	15.91			16.7	0		
20	16QAM	50	24	15.90	16.05	15.92						
20	16QAM	50	50	15.86	16.06	15.91			16.7	0		
20	16QAM	100	0	16.01	16.02	15.88						
20	64QAM	1	0	15.93	16.06	15.80			16.7	0		
20	64QAM	1	49	15.94	16.09	15.92						
20	64QAM	1	99	15.99	16.08	15.94			16.7	0		
20	64QAM	50	0	16.00	16.05	15.89						
20	64QAM	50	24	15.96	16.05	15.87			16.7	0		
20	64QAM	50	50	15.96	16.06	15.91						
20	256QAM	100	0	16.01	16.02	15.88			16.7	0		
20	256QAM	1	49	15.93	16.08	15.87						
20	256QAM	1	99	15.93	16.08	15.84			16.7	0		
20	256QAM	50	0	15.98	16.05	15.90						
20	256QAM	50	24	15.99	16.08	15.84			16.7	0		
20	256QAM	50	50	15.94	16.03	15.91						
20	256QAM	100	0	15.98	16.00	15.90						
Channel												
Frequency (MHz)												
16	QPSK	1	0	15.97	16.10	15.89			16.7	0		
16	QPSK	1	37	15.90	15.98	15.83						
16	QPSK	1	74	15.90	15.98	15.76			16.7	0		
16	QPSK	36	0	15.97	16.05	15.81						
16	QPSK	36	20	15.95	15.95	15.87			16.7	0		
16	QPSK	36	39	15.84	15.99	15.79						
16	QPSK	75	0	15.98	16.07	15.81			16.7	0		
16	16QAM	1	0	15.92	15.93	15.85						
16	16QAM	1	37	16.00	16.00	15.85			16.7	0		
16	16QAM	1	74	16.01	16.00	15.84						
16	16QAM	36	0	15.90	16.10	15.90			16.7	0		
16	16QAM	36	20	15.91	16.03	15.92						
16	16QAM	36	39	15.88	16.06	15.83			16.7	0		
16	16QAM	75	0	15.98	16.08	15.90						
16	64QAM	1	0	15.92	16.00	15.82			16.7	0		
16	64QAM	1	37	15.92	16.00	15.82						
16	64QAM	1	74	15.93	15.98	15.80			16.7	0		
16	64QAM	36	0	15.95	15.96	15.82						
16	64QAM	36	20	15.90	16.04	15.84			16.7	0		
16	64QAM	36	39	15.91	15.99	15.77						
16	64QAM	75	0	16.00	16.04	15.81			16.7	0		
16	256QAM	1	0	15.92	16.04	15.84						
16	256QAM	1	37	15.92	16.05	15.84			16.7	0		
16	256QAM	1	74	15.90	16.04	15.81						
16	256QAM	36	0	15.94	16.04	15.84			16.7	0		
16	256QAM	36	20	15.92	16.01	15.76						
16	256QAM	36	39	15.94	16.00	15.87			16.7	0		
16	256QAM	75	0	15.97	16.00	15.82						
Channel												
Frequency (MHz)												
10	QPSK	1	0	16.03	16.10	16.01			16.7	0		
10	QPSK	1	25	15.93	15.91	15.80						
10	QPSK	1	49	16.05	16.05	15.84			16.7	0		
10	QPSK	25	0	16.07	16.01	15.82						
10	QPSK	25	12	15.92	15.97	15.89			16.7	0		
10	QPSK	25	25	16.08	16.07	15.81						
10	QPSK	50	0	15.97	16.00	15.76			16.7	0		
10	16QAM	1	0	15.91	15.93	15.84						
10	16QAM	1	26	15.94	16.00	15.80			16.7	0		
10	16QAM	1	49	15.87	16.06	15.85						
10	16QAM	25	0	15.90	16.02	15.89			16.7	0		
10	16QAM	25	12	15.98	15.97	15.90						
10	16QAM	25	25	15.91	15.98	15.83			16.7	0		
10	16QAM	50	0	15.95	15.99	15.85						
10	64QAM	1	0	15.89	15.98	15.75			16.7	0		
10	64QAM	1	24	15.93	16.02	15.82						
10	64QAM	1	49	15.89	16.03	15.80			16.7	0		
10	64QAM	25	0	15.91	15.99	15.80						
10	64QAM	25	12	15.92	16.00	15.84			16.7	0		
10	64QAM	25	25	15.93	16.03	15.76						
10	64QAM	50	0	15.93	15.95	15.80			16.7	0		
10	64QAM	50	0	15.98	16.01	15.85						
10	256QAM	1	24	16.05	16.07	15.79			16.7	0		
10	256QAM	1	49	15.84	16.03	15.76						
10	256QAM	25	0	15.99	16.00	15.78			16.7	0		
10	256QAM	25	12	15.97	16.06	15.79						
10	256QAM	25	25	15.98	16.03	15.88			16.7	0		
10	256QAM	50	0	15.95	16.00	15.85						
Channel												
Frequency (MHz)												
5	QPSK	1	0	16.03	16.08	16.05			16.7	0		
5	QPSK	1	12	15.96	16.03	15.83						
5	QPSK	1	24	16.04	16.04	15.75			16.7	0		
5	QPSK	12	0	15.90	16.01	15.80						
5	QPSK	12	7	15.98	15.93	15.80			16.7	0		
5	QPSK	12	13	16.08	15.95	15.85						
5	QPSK	25	0	15.93	15.95	15.85			16.7	0		
5	16QAM	1	0	15.93	15.95	15.87						
5	16QAM	1	12	15.96	15.96	15.80			16.7	0		
5	16QAM	1	24	15.87	16.07	15.81						
5	16QAM	12	0	15.86	16.09	15.85			16.7	0		
5	16QAM	12	7	15.95	15.96	15.85						
5	16QAM	12	13	15.88	16.07	15.84			16.7	0		
5	16QAM	25	0	15.92	16.06	15.82						
5	64QAM	1	0	15.86	16.03	15.77			16.7	0		
5	64QAM	1	12	15.84	16.07	15.80						
5	64QAM	1	24	15.99	16.00	15.85			16.7	0		
5	64QAM	12	0	15.97	16.04	15.88						
5	64QAM	12	7	15.89	15.99	15.86			16.7	0		
5	64QAM	12	13	15.90	15.90	15.83						
5	64QAM	25	0	15.92	16.05	15.80			16.7	0		
5	256QAM	1	0	16.00	16.01	15.81						
5	256QAM	1	12	15.88	16.04	15.80			16.7	0		
5	256QAM	1	24	15.89	16.00	15.79						
5	256QAM	12	0	15.89	16.00	15.83			16.7	0		
5	256QAM	12	7	15.97	16.06	15.79						
5	256QAM	12	13	15.90	16.03	15.82			16.7	0		
5	256QAM	25	0	15.94	16.00	15.88						
Channel												
Frequency (MHz)												
3	QPSK	1	0	16.03	16.03	15.85			16.7	0		
3	QPSK	1	8	15.91	16.00	15.76						
3	QPSK	1	14	15.85	15.99	15.80			16.7	0		
3	QPSK	8	0	15.98	16.00	15.87						
3	QPSK	8	7	15.88	15.99	15.79			16.7	0		
3	QPSK	15	0	15.96	15.99	15.86						
3	QPSK	15	7	15.98	16.00	15.83			16.7	0		
3	16QAM	1	8	15.93	15.98	15.79						
3	16QAM	1	14	15.90	16.04	15.87			16.7	0		
3	16QAM	8	0	15.98	16.03	15.82						
3	16QAM	8	7	15.87	16.01	15.77			16.7	0		
3	16QAM	15	0	15.97	16.00	15.89						
3	16QAM	15	7	15.97	16.00	15.81			16.7	0		
3	64QAM	1	0	15.83	16.02	15.80						
3	64QAM	1	8	15.87	16.06	15.80			16.7	0		
3	64QAM	1	14	15.94	16.06	15.91						
3	64QAM	8	0	15.91	16.00	15.84			16.7	0		
3	64QAM	8	7	15.85	16.05	15.80						
3	64QAM	15	0	15.98	16.02	15.83			16.7	0		
3	64QAM	15	0	15.94	16.06	15.88						
3	256QAM	1	8	15.87	16.00	15.80			16.7	0		
3	256QAM	1	14	15.92	16.05	15.82						
3	256QAM	8	0	15.94	16.00	15.82			16.7	0		
3	256QAM	8	7	15.90	16.06	15.78						
3	256QAM	15	0	15.96	16.00	15.86			16.7	0		
3	256QAM	15	0	15.97	16.05	15.85						
Channel												
Frequency (MHz)												
14	QPSK	1	0	15.93	16.03	15.85			16.7	0		
14	QPSK	1	5	15.89	16.06	15.84						
14	QPSK	1	9	15.93	16.00	15.78			16.7	0		
14	QPSK	9	0	15.96	16.05	15.84						
14	QPSK	3	1	15.96	16.00	15.80			16.7	0		
14	QPSK	3	3	15.91	16.02	15.84						
14	QPSK	9	0	15.95	16.00	15.80			16.7	0		
14	16QAM	1	0	15.92	15.96	15.86						
14	16QAM	1	3	15.96	16.00	15.78			16.7	0		
14	16QAM	1	9	15.95	16.00	15.80						
14	16QAM	3	1	15.96	16.03	15.80			16.7	0		
14	16QAM	3	3	15.94	16.05	15.84						
14	16QAM											

Band 7 Ant1 DS13												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Fines	Power Middle Ch./Fines	Power High Ch./Fines	Time-up (ms)	APR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	19.71	19.77	19.87			21	0		
20	QPSK	1	49	19.84	19.75	19.82						
20	QPSK	1	99	19.68	19.76	19.58						
20	QPSK	50	0	19.63	19.49	19.58			21	0		
20	QPSK	50	24	19.63	19.49	19.58						
20	QPSK	50	50	19.65	19.67	19.81						
20	QPSK	100	0	19.69	19.73	19.81			21	0		
20	16QAM	1	0	19.81	19.76	19.85						
20	16QAM	1	49	19.64	19.72	19.86						
20	16QAM	1	99	19.68	19.66	19.64			21	0		
20	16QAM	50	0	19.69	19.70	19.64						
20	16QAM	50	24	19.67	19.68	19.86			21	0		
20	16QAM	50	24	19.67	19.68	19.86						
20	16QAM	100	0	19.64	19.70	19.59			21	0		
20	16QAM	1	0	19.64	19.70	19.59						
20	16QAM	1	49	19.61	19.76	19.58			21	0		
20	16QAM	1	99	19.69	19.70	19.64						
20	16QAM	50	0	19.70	19.70	19.57			21	0		
20	16QAM	50	24	19.64	19.66	19.61						
20	16QAM	100	0	19.69	19.71	19.63			21	0		
20	16QAM	100	0	19.69	19.71	19.63						
20	16QAM	1	0	19.64	19.70	19.59			19	2		
20	16QAM	1	49	19.67	19.67	19.61						
20	16QAM	1	99	19.23	18.13	18.18			19	2		
20	16QAM	1	99	18.09	18.20	18.28						
20	16QAM	50	50	19.62	19.69	19.59			19	2		
20	16QAM	50	24	18.10	18.30	18.21						
20	16QAM	100	0	18.16	18.14	18.17			19	2		
Unit-up (ms)												
Frequency (MHz)												
15	QPSK	1	0	19.67	19.68	19.69					21	0
15	QPSK	1	37	19.61	19.72	19.81						
15	QPSK	1	74	19.68	19.68	19.65			21	0		
15	QPSK	36	0	19.61	19.71	19.63						
15	QPSK	36	39	19.68	19.46	19.54			21	0		
15	QPSK	36	39	19.61	19.67	19.52						
15	QPSK	75	0	19.67	19.67	19.56			21	0		
15	QPSK	75	0	19.67	19.67	19.56						
15	16QAM	1	0	19.65	19.69	19.58			21	0		
15	16QAM	1	37	19.54	19.70	19.56						
15	16QAM	1	74	19.67	19.67	19.61			21	0		
15	16QAM	36	0	19.62	19.69	19.61						
15	16QAM	36	20	19.66	19.68	19.65			21	0		
15	16QAM	36	20	19.66	19.68	19.65						
15	16QAM	75	0	19.63	19.63	19.55			21	0		
15	16QAM	75	0	19.63	19.63	19.55						
15	16QAM	1	0	19.54	19.60	19.55			21	0		
15	16QAM	1	0	19.54	19.60	19.55						
15	16QAM	1	74	19.64	19.63	19.58			21	0		
15	16QAM	36	0	19.65	19.71	19.54						
15	16QAM	36	39	19.62	19.70	19.52			21	0		
15	16QAM	36	39	19.62	19.70	19.52						
15	16QAM	75	0	19.69	19.68	19.59			19	2		
15	16QAM	75	0	19.69	19.68	19.59						
15	16QAM	1	37	18.14	18.09	18.14			19	2		
15	16QAM	1	74	18.07	18.12	18.19						
15	16QAM	36	39	19.66	19.46	19.54			19	2		
15	16QAM	36	20	18.02	18.25	18.20						
15	16QAM	36	39	18.14	18.20	18.11			19	2		
15	16QAM	75	0	18.14	18.10	18.11						
Unit-up (ms)												
Frequency (MHz)												
10	QPSK	1	0	19.69	19.69	19.69			21	0		
10	QPSK	1	26	19.59	19.73	19.63						
10	QPSK	1	49	19.64	19.64	19.63			21	0		
10	QPSK	25	12	19.54	19.44	19.57						
10	QPSK	25	25	19.60	19.59	19.61			21	0		
10	QPSK	25	25	19.60	19.59	19.61						
10	16QAM	1	0	19.63	19.67	19.65			21	0		
10	16QAM	1	25	19.63	19.69	19.62						
10	16QAM	25	0	19.62	19.61	19.55			21	0		
10	16QAM	25	0	19.62	19.61	19.55						
10	16QAM	25	12	19.65	19.63	19.62			21	0		
10	16QAM	25	12	19.65	19.63	19.62						
10	16QAM	50	0	19.62	19.64	19.58			21	0		
10	16QAM	50	0	19.60	19.61	19.59						
10	16QAM	1	25	19.62	19.67	19.54			21	0		
10	16QAM	1	49	19.64	19.71	19.64						
10	16QAM	25	0	19.69	19.67	19.63			21	0		
10	16QAM	25	12	19.63	19.66	19.54						
10	16QAM	50	0	19.62	19.64	19.58			21	0		
10	16QAM	50	0	19.62	19.64	19.58						
10	16QAM	1	25	19.62	19.67	19.54			19	2		
10	16QAM	1	25	18.21	18.07	18.15						
10	16QAM	1	49	19.68	18.16	18.16			19	2		
10	16QAM	25	0	19.67	18.12	18.16						
10	16QAM	25	12	18.03	18.26	18.15			19	2		
10	16QAM	25	25	18.16	18.17	18.10						
10	16QAM	50	0	18.07	18.11	18.09			19	2		
10	16QAM	50	0	18.07	18.11	18.09						
Channel												
Frequency (MHz)												
5	QPSK	1	0	19.65	19.69	19.62			21	0		
5	QPSK	1	12	19.61	19.67	19.57						
5	QPSK	1	24	19.64	19.61	19.63			21	0		
5	QPSK	12	0	19.58	19.72	19.66						
5	QPSK	12	7	19.63	19.42	19.50			21	0		
5	QPSK	12	13	19.63	19.67	19.56						
5	QPSK	25	0	19.61	19.64	19.61			21	0		
5	QPSK	25	0	19.61	19.64	19.61						
5	16QAM	1	0	19.58	19.73	19.56			21	0		
5	16QAM	1	12	19.62	19.64	19.63						
5	16QAM	1	24	19.62	19.67	19.62			21	0		
5	16QAM	12	0	19.65	19.62	19.56						
5	16QAM	12	7	19.61	19.60	19.58			21	0		
5	16QAM	12	13	19.69	19.67	19.53						
5	16QAM	25	0	19.63	19.71	19.58			19	2		
5	16QAM	25	0	19.63	19.71	19.58						
5	16QAM	1	12	19.58	18.16	18.10			19	2		
5	16QAM	1	12	18.17	18.09	18.17						
5	16QAM	1	24	18.09	18.16	18.20			19	2		
5	16QAM	12	0	19.65	18.14	18.15						
5	16QAM	12	7	18.02	18.27	18.17			19	2		
5	16QAM	12	13	18.13	18.16	18.15						
5	16QAM	25	0	19.68	19.66	19.65			19	2		
5	16QAM	25	0	19.68	19.66	19.65			19	2		

Band 38-Ant1 PC3 DS13										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Co. (Freq.)	Power Middle Co. (Freq.)	Power High Co. (Freq.)	Tune-up Ints (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	22.91	23.06	22.70	23.4	0		
20	QPSK	1	49	22.95	23.01	22.74				
20	QPSK	1	99	22.97	22.98	22.79				
20	QPSK	50	0	22.59	22.73	22.42	23	0.4		
20	QPSK	50	24	22.60	22.71	22.43				
20	QPSK	50	50	22.87	22.72	22.52				
20	QPSK	100	0	22.58	22.59	22.41	23	0.4		
20	16QAM	1	0	22.70	22.58	22.42				
20	16QAM	1	49	22.60	22.66	22.52				
20	16QAM	1	99	22.51	22.64	22.44	23	0.4		
20	16QAM	50	0	21.61	21.64	21.32				
20	16QAM	50	24	21.57	21.77	21.34				
20	16QAM	50	50	21.60	21.69	21.43	22	1.4		
20	16QAM	100	0	21.53	21.66	21.33				
20	64QAM	1	0	21.72	21.39	21.35				
20	64QAM	1	49	21.56	21.68	21.47	22	1.4		
20	64QAM	1	99	21.52	21.73	21.53				
20	64QAM	50	0	20.60	20.87	20.35				
20	64QAM	50	24	20.61	20.78	20.34	21	2.4		
20	64QAM	50	50	20.64	20.63	20.48				
20	64QAM	100	0	20.65	20.58	20.37				
20	256QAM	1	0	18.53	18.75	18.48	19	4.4		
20	256QAM	1	49	18.52	18.62	18.36				
20	256QAM	1	99	18.60	18.71	18.48				
20	256QAM	50	0	18.59	18.69	18.45	19	4.4		
20	256QAM	50	24	18.76	18.55	18.36				
20	256QAM	50	50	18.63	18.73	18.48				
20	256QAM	100	0	18.53	18.65	18.52				
Channel				3777.5	38000	38171.5	Tune-up Ints (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	22.76	22.80	22.56	23.4	0		
15	QPSK	1	37	22.80	22.75	22.55				
15	QPSK	1	74	22.69	22.74	22.63				
15	QPSK	36	0	22.43	22.68	22.28	23	0.4		
15	QPSK	36	20	22.45	22.70	22.24				
15	QPSK	36	39	22.45	22.67	22.37				
15	QPSK	75	0	22.46	22.44	22.37	23	0.4		
15	16QAM	1	0	22.43	22.46	22.23				
15	16QAM	1	37	22.47	22.55	22.45				
15	16QAM	1	74	22.39	22.50	22.31	22	1.4		
15	16QAM	36	0	21.57	21.46	21.22				
15	16QAM	36	20	21.39	21.65	21.16				
15	16QAM	36	39	21.40	21.64	21.31	21	2.4		
15	16QAM	75	0	21.48	21.53	21.20				
15	64QAM	1	0	21.41	21.44	21.21				
15	64QAM	1	37	21.40	21.61	21.29	22	1.4		
15	64QAM	1	74	21.32	21.65	21.35				
15	64QAM	36	0	20.41	20.56	20.25				
15	64QAM	36	20	20.47	20.64	20.25	21	2.4		
15	64QAM	36	39	20.45	20.58	20.30				
15	64QAM	75	0	20.50	20.55	20.33				
15	256QAM	1	0	18.53	18.65	18.37	19	4.4		
15	256QAM	1	37	18.39	18.47	18.35				
15	256QAM	1	74	18.58	18.61	18.28				
15	256QAM	36	0	18.37	18.56	18.35	19	4.4		
15	256QAM	36	20	18.59	18.44	18.36				
15	256QAM	36	39	18.60	18.55	18.34				
15	256QAM	75	0	18.58	18.58	18.34				
Channel				37800	38000	38200	Tune-up Ints (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	22.73	23.02	22.60	23.4	0		
5	QPSK	1	49	22.78	22.98	22.67				
5	QPSK	1	99	22.83	22.75	22.75				
5	QPSK	12	0	22.54	22.56	22.26	23	0.4		
5	QPSK	12	7	22.41	22.58	22.32				
5	QPSK	12	13	22.49	22.59	22.49				
5	QPSK	25	0	22.39	22.54	22.28	23	0.4		
5	16QAM	1	0	22.61	22.47	22.34				
5	16QAM	1	12	22.53	22.51	22.43				
5	16QAM	1	24	22.58	22.58	22.32	22	1.4		
5	16QAM	12	0	21.51	21.57	21.12				
5	16QAM	12	7	21.44	21.38	21.15				
5	16QAM	12	13	21.52	21.49	21.31	22	1.4		
5	16QAM	25	0	21.47	21.64	21.33				
5	64QAM	1	0	21.59	21.65	21.33				
5	64QAM	1	12	21.41	21.57	21.46	22	1.4		
5	64QAM	1	24	21.35	21.54	21.36				
5	64QAM	12	0	20.41	20.58	20.21				
5	64QAM	12	7	20.43	20.51	20.21	21	2.4		
5	64QAM	12	13	20.56	20.53	20.33				
5	64QAM	25	0	20.54	20.57	20.51				
5	256QAM	1	0	18.42	18.73	18.42	19	4.4		
5	256QAM	1	12	18.50	18.59	18.33				
5	256QAM	1	24	18.64	18.58	18.37				
5	256QAM	12	0	18.48	18.62	18.44	19	4.4		
5	256QAM	12	7	18.72	18.50	18.31				
5	256QAM	12	13	18.57	18.61	18.38				
5	256QAM	25	0	18.38	18.48	18.40				

Band 41 - Ant1 PC3 DS13

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Co. Ch./Frac.	Power Low Co. Ch./Frac.	Power High Co. Ch./Frac.	Power High Co. Ch./Frac.	Power High Co. Ch./Frac.	Power High Co. Ch./Frac.	Time-up Int. (dBm)	MPR (dB)
Channel											
				39750	40185	40620	41055	41490			
Frequency (MHz)											
20	QPSK	1	0	2301	2345	2389	2433	2477		23.4	0
20	QPSK	1	49	2291	2293	2293	2283	2288			
20	QPSK	1	99	2292	2289	2301	2276	2279			
20	QPSK	50	0	2212	2212	2216	2187	2210		23	0.4
20	QPSK	50	24	2211	2203	2215	2192	2201			
20	QPSK	50	50	2206	2207	2208	2185	2207			
20	QPSK	100	0	2216	2212	2217	2204	2207			
20	16QAM	1	0	2206	2213	2211	2199	2211		23	0.4
20	16QAM	1	49	2213	2221	2216	2199	2213			
20	16QAM	1	99	2202	2214	2224	2202	2209			
20	16QAM	50	0	2120	2128	2129	2094	2118		22	1.4
20	16QAM	50	24	2125	2118	2129	2094	2119			
20	16QAM	50	50	2121	2121	2108	2103	2113			
20	16QAM	100	0	2124	2119	2128	2122	2107			
20	64QAM	1	0	2110	2121	2116	2086	2110		22	1.4
20	64QAM	1	49	2115	2130	2126	2107	2125			
20	64QAM	1	99	2113	2119	2130	2120	2110			
20	64QAM	50	0	2020	2057	2021	2004	2017			
20	64QAM	50	24	2003	2022	2018	1991	2007			
20	64QAM	50	50	2003	2014	2019	2004	2009		21	2.4
20	64QAM	100	0	1999	2010	2030	2001	2018			
20	256QAM	1	0	1811	1813	1819	1793	1813		19	4.4
20	256QAM	1	49	1806	1796	1824	1800	1806			
20	256QAM	1	99	1797	1802	1806	1793	1807			
20	256QAM	50	0	1823	1820	1829	1801	1826			
20	256QAM	50	24	1813	1808	1810	1793	1818		19	4.4
20	256QAM	50	50	1808	1827	1821	1806	1817			
20	256QAM	100	0	1797	1820	1820	1811				
Channel											
				2501.5	2545.5	2589.5	2633.5	2677.5			
Frequency (MHz)											
15	QPSK	1	0	2331	2331	2329	2327	2323		23.40	0
15	QPSK	1	37	2319	2315	2312	2302	2315			
15	QPSK	1	74	2302	2305	2302	2302	2301			
15	QPSK	36	0	2225	2220	2208	2208	2225		23	0.4
15	QPSK	36	24	2228	2217	2205	2205	2228			
15	QPSK	36	39	2215	2214	2204	2201	2225			
15	QPSK	75	0	2219	2221	2203	2210	2216			
15	16QAM	1	0	2226	2223	2223	2226	2225		23	0.4
15	16QAM	1	37	2249	2242	2223	2221	2241			
15	16QAM	1	74	2230	2227	2215	2211	2227			
15	16QAM	36	0	2134	2134	2111	2111	2130		22	1.4
15	16QAM	36	24	2123	2129	2107	2110	2124			
15	16QAM	36	39	2123	2115	2112	2111	2118			
15	16QAM	75	0	2127	2119	2105	2112	2127			
15	64QAM	1	0	2102	2104	2101	2092	2104		22	1.4
15	64QAM	1	37	2131	2122	2116	2124	2126			
15	64QAM	1	74	2114	2110	2126	2123	2110			
15	64QAM	36	0	2025	2029	2018	2015	2028		21	2.4
15	64QAM	36	24	2027	2021	2013	2013	2023			
15	64QAM	36	39	2020	2021	2019	2005	2016			
15	64QAM	75	0	2029	2024	2005	2011	2026			
15	256QAM	1	0	1831	1830	1830	1830	1830		19	4.4
15	256QAM	1	37	1823	1819	1820	1824	1825			
15	256QAM	1	74	1809	1806	1822	1803	1801			
15	256QAM	36	0	1843	1840	1839	1839	1840		19	4.4
15	256QAM	36	20	1839	1830	1818	1814	1835			
15	256QAM	36	39	1830	1824	1820	1817	1826			
15	256QAM	75	0	1825	1830	1835	1830	1830			
Channel				39750	40190	40630	41070	41510			
Frequency (MHz)											
10	QPSK	1	0	2286	2283	2285	2270	2285		23.40	0
10	QPSK	1	25	2291	2289	2280	2270	2285			
10	QPSK	1	49	2275	2275	2281	2282	2276			
10	QPSK	25	0	2185	2182	2215	2169	2198		23	0.4
10	QPSK	25	12	2189	2203	2185	2185	2209			
10	QPSK	25	25	2192	2193	2206	2172	2185			
10	QPSK	50	0	2200	2199	2201	2188	2192			
10	16QAM	1	0	2191	2199	2199	2194	2192		23	0.4
10	16QAM	1	24	2206	2219	2201	2198	2205			
10	16QAM	1	49	2187	2210	2221	2191	2196		23	0.4
10	16QAM	25	0	2105	2114	2110	2075	2100		22	1.4
10	16QAM	25	12	2109	2112	2111	2087	2103			
10	16QAM	25	25	2117	2108	2098	2102	2094			
10	16QAM	50	0	2122	2118	2115	2104	2102			
10	64QAM	1	0	2105	2107	2114	2106	2109		22	1.4
10	64QAM	1	25	2106	2120	2120	2101	2106			
10	64QAM	1	49	2113	2109	2120	2111	2115			
10	64QAM	25	0	2012	1994	2012	1994	2005		21	2.4
10	64QAM	25	12	1995	2021	2011	1993	1995			
10	64QAM	25	25	1995	2007	2016	1996	1991			
10	64QAM	50	0	1994	1996	2011	1990	2015			
10	256QAM	1	0	1809	1811	1819	1792	1795		19	4.4
10	256QAM	1	25	1806	1780	1817	1792	1789			
10	256QAM	1	49	1788	1785	1797	1783	1791			
10	256QAM	25	0	1814	1807	1809	1811	1788		19	4.4
10	256QAM	25	12	1810	1789	1802	1770	1800			
10	256QAM	25	25	1798	1812	1808	1790	1812			
10	256QAM	50	0	1795	1800	1815	1790	1791			
Channel											
				2498.5	2542.5	2586.5	2630.5	2674.5			
5	QPSK	1	0	2286	2286	2289	2275	2284		23.40	0
5	QPSK	1	12	2288	2282	2285	2281	2276			
5	QPSK	1	24	2277	2284	2285	2285	2270			
5	QPSK	12	0	2204	2199	2201	2172	2202		23	0.4
5	QPSK	12	7	2199	2202	2211	2178	2181			
5	QPSK	12	13	2203	2195	2207	2175	2182			
5	QPSK	25	0	2210	2206	2205	2201	2205		23	0.4
5	16QAM	1	12	2195	2217	2201	2194	2199		23	0.4
5	16QAM	1	24	2185	2199	2219	2199	2209			
5	16QAM	12	0	2120	2116	2125	2076	2113		22	1.4
5	16QAM	12	7	2114	2109	2108	2090	2110			
5	16QAM	12	13	2112	2105	2100	2086	2106			
5	16QAM	25	0	2113	2117	2119	2107	2093			
5	64QAM	1	0	2095	2105	2102	2094	2106		22	1.4
5	64QAM	1	12	2115	2118	2121	2088	2119			
5	64QAM	1	24	2093	2113	2125	2103	2103			
5	64QAM	12	0	2001	1995	2010	1995	2009		21	2.4
5	64QAM	12	7	1998	2019	2010	1985	1988			
5	64QAM	12	13	1989	2021	2013	1987	1996			
5	64QAM	25	0	1996	2000	2026	1995	2016			
5	256QAM	1	0	1798	1814	1811	1770	1795		19	4.4
5	256QAM	1	12	1805	1795	1810	1786	1801			
5	256QAM	1	24	1780	1782	1784	1789	1793			
5	256QAM	12	0	1813	1797	1804	1813	1784		19	4.4
5	256QAM	12	7	1790	1791	1792	1770	1795			
5	256QAM	12	13	1789	1817	1815	1802	1806			
5	256QAM	25	0	1780	1796	1809	1794	1794			

Band 41 - Ant1 PC2 DS13

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Co. Ch./Frac	Power Low Co. Ch./Frac	Power High Co. Ch./Frac	Power High Co. Ch./Frac	Power High Co. Ch./Frac	Power High Co. Ch./Frac	Tune-up Int. (dBm)	MPR (dB)
Channel											
				39750	40185	40620	41055	41490			
Frequency (MHz)											
20	QPSK	1	0	2455	2444	2457	2436	2449		25	0
20	QPSK	1	49	2445	2442	2452	2434	2445			
20	QPSK	1	99	2432	2434	2433	2434	2443			
20	QPSK	50	0	2436	2437	2433	2438	2441			
20	QPSK	50	24	2427	2432	2435	2423	2429		25	0
20	QPSK	50	50	2445	2435	2451	2427	2427			
20	QPSK	100	0	2451	2429	2452	2417	2422			
20	1	0	0	2443	2432	2445	2419	2438			
20	16QAM	1	49	2437	2427	2442	2431	2425		25	0
20	16QAM	1	99	2442	2439	2444	2439	2433			
20	16QAM	50	0	2426	2428	2428	2417	2433			
20	16QAM	50	24	2437	2432	2435	2423	2429		25	0
20	16QAM	50	50	2432	2435	2434	2407	2417			
20	16QAM	100	0	2430	2426	2432	2420	2437			
20	1	0	0	2432	2424	2436	2415	2432			
20	64QAM	1	49	2425	2419	2430	2425	2434		25	0
20	64QAM	1	99	2433	2421	2432	2419	2422			
20	64QAM	50	0	2436	2426	2432	2423	2433			
20	64QAM	50	24	2434	2424	2433	2423	2427		24	1
20	64QAM	50	50	2431	2425	2431	2421	2436			
20	16QAM	100	0	2432	2415	2433	2406	2438			
20	1	0	0	2434	2424	2437	2411	2431			
20	256QAM	1	49	2126	2129	2123	2124	2124		22	3
20	256QAM	1	99	2140	2112	2132	2115	2121			
20	256QAM	50	0	2130	2114	2140	2128	2135			
20	256QAM	50	24	2130	2125	2124	2114	2128		22	3
20	256QAM	50	50	2132	2110	2141	2111	2119			
20	1	0	0	2117	2122	2139	2119	2125			
Channel											
				39750	40185	40620	41055	41490			
Frequency (MHz)											
15	QPSK	1	0	2051.5	2048.3	2053	2037.8	2042.5		Tune-up Int. (dBm)	MPR (dB)
15	QPSK	1	0	2454	2438	2447	2437	2427	2439		
15	QPSK	1	37	2440	2439	2436	2427	2435		25.00	0
15	QPSK	1	74	2433	2434	2436	2425	2432			
15	QPSK	36	0	2426	2436	2437	2411	2433			
15	QPSK	36	20	2419	2431	2440	2418	2423		25	0
15	QPSK	36	56	2432	2434	2439	2412	2412			
15	16QAM	1	0	2446	2425	2450	2405	2426			
15	16QAM	1	0	2431	2412	2432	2410	2433			
15	16QAM	1	37	2432	2413	2437	2414	2428			
15	16QAM	1	74	2436	2415	2435	2414	2423			
15	16QAM	36	0	2407	2422	2416	2409	2413			
15	16QAM	36	20	2416	2417	2421	2402	2408		25	0
15	16QAM	36	56	2423	2402	2406	2402	2409			
15	64QAM	1	0	2411	2421	2431	2411	2429			
15	64QAM	1	0	2427	2423	2425	2409	2422			
15	64QAM	1	37	2409	2405	2415	2407	2401			
15	64QAM	1	74	2428	2407	2414	2407	2420			
15	64QAM	36	0	2324	2326	2330	2334	2336			
15	64QAM	36	20	2346	2323	2333	2323	2334		24	1
15	64QAM	36	56	2315	2291	2312	2306	2316			
15	64QAM	75	0	2327	2299	2324	2300	2324			
15	256QAM	1	0	2132	2113	2119	2100	2122			
15	256QAM	1	37	2121	2108	2119	2111	2117		22	3
15	256QAM	1	74	2124	2106	2126	2115	2112			
15	256QAM	36	0	2112	2103	2134	2094	2124			
15	256QAM	36	20	2113	2121	2134	2105	2107		22	3
15	256QAM	36	56	2126	2099	2134	2102	2121			
15	256QAM	75	0	2099	2118	2131	2115	2115			
Channel											
				39750	40185	40620	41055	41490			
Frequency (MHz)											
10	QPSK	1	0	2040.1	2033.3	2043	2047	2045		Tune-up Int. (dBm)	MPR (dB)
10	QPSK	1	25	2438	2423	2442	2422	2445		25.00	0
10	QPSK	1	49	2437	2431	2447	2431	2441			
10	QPSK	25	0	2433	2421	2440	2400	2435			
10	QPSK	25	12	2416	2424	2434	2413	2413		25	0
10	QPSK	25	37	2417	2417	2428	2413	2413			
10	QPSK	50	0	2436	2422	2443	2416	2420			
10	16QAM	1	0	2426	2422	2418	2410	2431			
10	16QAM	1	25	2421	2421	2434	2415	2411			
10	16QAM	1	49	2436	2420	2433	2402	2428		25	0
10	16QAM	25	0	2419	2421	2421	2411	2416			
10	16QAM	25	12	2388	2413	2415	2401	2422			
10	16QAM	25	37	2416	2416	2424	2417	2415		24	1
10	16QAM	50	0	2422	2414	2430	2415	2436			
10	64QAM	1	0	2422	2407	2418	2398	2430			
10	64QAM	1	25	2419	2412	2410	2401	2413		25	0
10	64QAM	1	49	2402	2402	2429	2402	2408			
10	64QAM	25	0	2323	2320	2332	2313	2330			
10	64QAM	25	12	2317	2328	2327	2323	2322		24	1
10	64QAM	25	37	2326	2285	2325	2328	2328			
10	64QAM	50	0	2323	2302	2318	2297	2311			
10	256QAM	1	0	2126	2121	2112	2106	2121			
10	256QAM	1	25	2112	2122	2104	2122	2116		22	3
10	256QAM	1	49	2122	2111	2108	2114	2105			
10	256QAM	25	0	2117	2101	2116	2097	2127			
10	256QAM	25	12	2116	2113	2104	2095	2111			
10	256QAM	25	37	2130	2095	2127	2107	2117		22	3
10	256QAM	50	0	2113	2121	2120	2102	2121			
Channel											
				39675	40148	40620	41093	41695			
Frequency (MHz)											
5	QPSK	1	0	2439	2441	2438	2429	2448		Tune-up Int. (dBm)	MPR (dB)
5	QPSK	1	12	2432	2435	2444	2427	2448		25.00	0
5	QPSK	1	24	2434	2416	2433	2425	2438			
5	QPSK	12	0	2434	2422	2438	2412	2435			
5	QPSK	12	7	2415	2417	2441	2407	2422		25	0
5	QPSK	12	13	2426	2410	2450	2421	2424			
5	QPSK	12	19	2449	2445	2445	2425	2425			
5	16QAM	1	0	2442	2422	2427	2400	2431			
5	16QAM	1	12	2426	2413	2433	2422	2411			
5	16QAM	1	24	2430	2405	2437	2406	2425		25	0
5	16QAM	12	0	2409	2417	2426	2417	2421			
5	16QAM	12	7	2408	2409	2423	2402	2434		25	0
5	16QAM	12	13	2425	2394	2408	2406	2413			
5	16QAM	12	19	2415	2421	2422	2414	2423			
5	64QAM	1	0	2420	2407	2425	2407	2414			
5	64QAM	1	12	2410	2400	2411	2407	2414		25	0
5	64QAM	1	24	2421	2417	2426	2412	2408			
5	64QAM	12	0	2421	2312	2337	2310	2325			
5	64QAM	12	7	2323	2324	2335	2306	2326		24	1
5	64QAM	12	13	2313	2302	2324	2311	2227			
5	64QAM	12	19	2324	2299	2333	2296	2312			
5	256QAM	1	0	2115	2115	2122	2099	2122			
5	256QAM	1	12	2117	2125	2112	2117	2109		22	3
5	256QAM	1	24	2138	2102	2126	2117	2136			
5	256QAM	12	0	2121	2095	2124	2100	2128			
5	256QAM	12	7	2129	2118	2112	2104	2114		22	3
5	256QAM	12	13	2114	2092	2137	2100	2116			
5	256QAM	12	19	2121	2107	2120	2107	2113			

		Ant1 DS16									
GSM1900		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)		
TX Channel		512	661	810		512	661	810			
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8			
GSM 1 Tx slot		29.39	29.60	29.58	30.00	20.39	20.60	20.58	21.00		
GPRS 1 Tx slot		29.51	29.64	29.65	30.00	20.51	20.64	20.65	21.00		
GPRS 2 Tx slots		25.97	25.99	25.81	27.00	19.97	19.99	19.81	21.00		
GPRS 3 Tx slots		24.83	24.69	24.76	25.20	20.57	20.43	20.50	20.94		
GPRS 4 Tx slots		23.55	23.67	23.63	24.00	20.55	20.67	20.63	21.00		
EDGE 1 Tx slot		25.18	25.47	25.51	26.50	16.18	16.47	16.51	17.50		
EDGE 2 Tx slots		24.26	24.55	24.27	25.00	18.26	18.55	18.27	19.00		
EDGE 3 Tx slots		22.83	23.06	22.85	23.50	18.57	18.80	18.59	19.24		
EDGE 4 Tx slots		21.15	21.41	21.17	21.50	18.15	18.41	18.17	18.50		

		Ant1 DS16						Ant1 DS16				
Band	TX Channel	WCDMA II			Tuneup Limit (dBm)			WCDMA IV			Tuneup Limit (dBm)	
		9262	9400	9538				1312	1413	1513		
Rx Channel		9662	9800	9938	1537			1638	1738			
Frequency (MHz)		1532.4	1680	1907.6	1712.4			1732.6	1752.6			
3GPP Rel 99	AMR 12.2Kbps	19.60	19.68	19.61	21.00	19.76	19.94	19.88	20.70			
3GPP Rel 99	RM-C 12.2Kbps	19.71	19.79	19.67	21.00	19.91	19.99	19.94	20.70			
3GPP Rel 6	HSDPA Subtest-1	18.70	18.82	18.68	20.00	18.89	19.04	19.03	19.70			
3GPP Rel 6	HSDPA Subtest-2	18.66	18.88	18.70	20.00	18.90	19.06	18.94	19.70			
3GPP Rel 6	HSDPA Subtest-3	18.21	18.37	18.22	19.50	18.32	18.55	18.52	19.20			
3GPP Rel 6	HSDPA Subtest-4	18.23	18.20	18.18	19.50	18.38	18.52	18.46	19.20			
3GPP Rel 8	DC-HSDPA Subtest-1	18.68	18.75	18.64	20.00	18.92	19.03	18.99	19.70			
3GPP Rel 8	DC-HSDPA Subtest-2	18.66	18.86	18.61	20.00	18.89	19.06	18.87	19.70			
3GPP Rel 8	DC-HSDPA Subtest-3	18.30	18.38	18.09	19.50	18.37	18.42	18.37	19.20			
3GPP Rel 8	DC-HSDPA Subtest-4	18.28	18.34	18.26	19.50	18.38	18.58	18.41	19.20			
3GPP Rel 6	HSUPA Subtest-1	18.78	18.83	18.63	20.00	18.96	19.06	18.88	19.70			
3GPP Rel 6	HSUPA Subtest-2	16.62	16.75	16.61	18.00	16.81	17.01	16.89	17.70			
3GPP Rel 6	HSUPA Subtest-3	17.81	17.75	17.67	19.00	17.83	17.96	18.02	18.70			
3GPP Rel 6	HSUPA Subtest-4	16.76	16.77	16.71	18.00	16.88	16.96	16.84	17.70			
3GPP Rel 6	HSUPA Subtest-5	18.75	18.75	18.71	20.00	18.95	18.89	18.87	19.70			

Band 2 Ant1 DS16													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turn-up Init. (dB)	MPR (dB)					
Channel													
Frequency (MHz)													
20	QPSK	1	0	16.51	16.55	16.49			20.5	0			
20	QPSK	1	49	16.48	16.57	16.47							
20	QPSK	1	99	16.46	16.53	16.45			20.5	0			
20	QPSK	50	0	16.48	16.56	16.44							
20	QPSK	50	24	16.46	16.51	16.45			20.5	0			
20	QPSK	50	50	16.46	16.51	16.45							
20	QPSK	100	0	16.48	16.51	16.41			20.5	0			
20	16QAM	100	0	16.47	16.54	16.44							
20	16QAM	1	49	16.46	16.53	16.44			20.5	0			
20	16QAM	1	99	16.42	16.51	16.40							
20	16QAM	50	0	16.46	16.50	16.41			20.5	0			
20	16QAM	50	24	16.41	16.46	16.41							
20	16QAM	50	50	16.42	16.52	16.41			20.5	0			
20	16QAM	100	0	16.44	16.45	16.38							
20	64QAM	1	0	16.47	16.54	16.46			20.5	0			
20	64QAM	1	49	16.42	16.54	16.45							
20	64QAM	50	0	16.42	16.54	16.41			20.5	0			
20	64QAM	50	24	16.42	16.47	16.41							
20	64QAM	100	0	16.44	16.47	16.38			20.5	0			
20	256QAM	1	49	17.83	17.99	17.84							
20	256QAM	1	99	17.80	18.00	18.02			19	1.5			
20	256QAM	1	149	17.82	17.99	17.82							
20	256QAM	50	0	17.82	17.94	17.92			19	1.5			
20	256QAM	50	24	17.76	17.92	17.92							
20	256QAM	50	50	17.77	18.02	18.04							
20	256QAM	100	0	17.80	17.98	17.99			Channel				
Channel													
Frequency (MHz)													
16	QPSK	1	0	16.51	16.50	16.50			20.5	0			
16	QPSK	1	0	16.44	16.54	16.42							
16	QPSK	1	25	16.38	16.52	16.40			20.5	0			
16	QPSK	1	74	16.38	16.47	16.36							
16	QPSK	36	0	16.42	16.50	16.35			20.5	0			
16	QPSK	36	36	16.38	16.51	16.40							
16	QPSK	75	0	16.44	16.49	16.36			20.5	0			
16	16QAM	1	0	16.35	16.43	16.43							
16	16QAM	1	37	16.38	16.46	16.37			20.5	0			
16	16QAM	1	74	16.36	16.45	16.35							
16	16QAM	36	0	16.42	16.46	16.36			20.5	0			
16	16QAM	36	20	16.37	16.39	16.37							
16	16QAM	75	0	16.38	16.41	16.34			20.5	0			
16	16QAM	75	0	16.38	16.41	16.34							
16	64QAM	1	0	16.39	16.47	16.35			20.5	0			
16	64QAM	1	37	16.34	16.46	16.36							
16	64QAM	1	74	16.33	16.41	16.32			20.5	0			
16	64QAM	36	0	16.33	16.46	16.32							
16	64QAM	36	20	16.37	16.41	16.34			20.5	0			
16	64QAM	75	0	16.39	16.47	16.35							
16	256QAM	1	0	17.76	17.95	17.85			19	1.5			
16	256QAM	1	37	17.79	17.95	17.85							
16	256QAM	1	74	17.71	17.91	17.86			19	1.5			
16	256QAM	36	0	17.76	17.94	17.86							
16	256QAM	36	20	17.67	17.90	17.89			19	1.5			
16	256QAM	36	39	17.69	17.92	17.87							
16	256QAM	75	0	17.73	17.93	17.83			Channel				
Channel													
Frequency (MHz)													
16	QPSK	1	0	16.44	16.54	16.42			20.5	0			
16	QPSK	1	25	16.38	16.52	16.40							
16	QPSK	1	49	16.39	16.46	16.38			20.5	0			
16	QPSK	25	0	16.40	16.43	16.36							
16	QPSK	25	12	16.39	16.44	16.37			20.5	0			
16	QPSK	25	25	16.41	16.47	16.36							
16	QPSK	50	0	16.40	16.43	16.34			20.5	0			
16	16QAM	1	0	16.42	16.47	16.41							
16	16QAM	1	25	16.39	16.44	16.37			20.5	0			
16	16QAM	1	49	16.34	16.38	16.34							
16	16QAM	25	0	16.37	16.48	16.35			20.5	0			
16	16QAM	25	12	16.35	16.40	16.31							
16	16QAM	50	0	16.39	16.40	16.32			20.5	0			
16	16QAM	50	0	16.35	16.36	16.31							
16	64QAM	1	0	16.42	16.48	16.40			20.5	0			
16	64QAM	1	25	16.39	16.44	16.37							
16	64QAM	1	49	16.31	16.38	16.34			20.5	0			
16	64QAM	25	0	16.37	16.46	16.35							
16	64QAM	25	12	16.34	16.38	16.32			20.5	0			
16	64QAM	50	0	16.39	16.40	16.32							
16	256QAM	1	0	17.71	17.86	17.83			19	1.5			
16	256QAM	1	25	17.73	17.90	17.86							
16	256QAM	1	49	17.72	17.95	17.84			19	1.5			
16	256QAM	25	0	17.77	17.86	17.83							
16	256QAM	25	12	17.67	17.89	17.84			19	1.5			
16	256QAM	25	25	17.69	17.94	17.86							
16	256QAM	50	0	17.73	17.93	17.83			Channel				
Channel													
Frequency (MHz)													
5	QPSK	1	0	16.41	16.50	16.40			20.5	0			
5	QPSK	1	12	16.43	16.45	16.43							
5	QPSK	1	24	16.39	16.47	16.40			20.5	0			
5	QPSK	12	0	16.43	16.48	16.38							
5	QPSK	12	7	16.41	16.46	16.38			20.5	0			
5	QPSK	12	13	16.40	16.50	16.40							
5	QPSK	25	0	16.38	16.46	16.38			20.5	0			
5	16QAM	1	0	16.39	16.47	16.39							
5	16QAM	1	12	16.40	16.46	16.35			20.5	0			
5	16QAM	1	24	16.38	16.43	16.34							
5	16QAM	12	0	16.41	16.42	16.33			20.5	0			
5	16QAM	12	7	16.34	16.39	16.36							
5	16QAM	12	13	16.37	16.46	16.34			20.5	0			
5	16QAM	25	0	16.38	16.38	16.28							
5	64QAM	1	0	16.40	16.46	16.40			20.5	0			
5	64QAM	1	12	16.34	16.45	16.36							
5	64QAM	1	24	16.30	16.39	16.31			20.5	0			
5	64QAM	12	0	16.34	16.46	16.35							
5	64QAM	12	7	16.35	16.41	16.32			20.5	0			
5	64QAM	12	13	16.34	16.42	16.34							
5	64QAM	25	0	16.39	16.43	16.28			20.5	0			
5	256QAM	1	0	17.90	18.07	17.90							
5	256QAM	1	12	17.79	17.90	17.85			19	1.5			
5	256QAM	1	24	17.72	17.95	17.84							
5	256QAM	12	0	17.77	17.85	17.83			19	1.5			
5	256QAM	12	7	17.69	17.89	17.85							
5	256QAM	12	13	17.71	17.95	17.86			19	1.5			
5	256QAM	25	0	17.79	17.90	17.85							
Channel													
Frequency (MHz)													
3	QPSK	1	0	16.42	16.50	16.44			20.5	0			
3	QPSK	1	8	16.43	16.50	16.41							
3	QPSK	1	14	16.41	16.44	16.35			20.5	0			
3	QPSK	8	0	16.38	16.45	16.41							
3	QPSK	8	4	16.36	16.45	16.41			20.5	0			
3	QPSK	8	7	16.40	16.47	16.37							
3	QPSK	15	0	16.43	16.43	16.36			20.5	0			
3	16QAM	1	0	16.42	16.44	16.42							
3	16QAM	1	8	16.39	16.48	16.38			20.5	0			
3	16QAM	1	14	16.38	16.41	16.34							
3	16QAM	8	0	16.41	16.45	16.34			20.5	0			
3	16QAM	8	4	16.39	16.52	16.34							
3	16QAM	8	7	16.41	16.48	16.35			20.5	0			
3	16QAM	15	0	16.37	16.39	16.32							
3	64QAM	1	0	16.40	16.47	16.40			20.5	0			
3	64QAM	1	8	16.35	16.49	16.38							
3	64QAM	1	14	16.30	16.39	16.34			20.5	0			
3	64QAM	8	0	16.36	16.48	16.36							
3	64QAM	8	4	16.37	16.41	16.32			20.5	0			
3	64QAM	8	7	16.39	16.46	16.33							
3	64QAM	15	0	16.38	16.37	16.32			20.5	0			
3	256QAM	1	0	17.91	18.02	18.04							
3	256QAM	1	8	17.79	17.94	17.87			19	1.5			
3	256QAM	1	14	17.70	17.93	17.88							
3	256QAM	8	0	17.75	17.85	17.88			19	1.5			
3	256QAM	8	4	17.76	17.88	17.86							
3	256QAM	8	7	17.72	17.97	17.90			19	1.5			
3	256QAM	15	0	17.75	17.90	17.84							
Channel													
Frequency (MHz)													
1.4	QPSK	1	0	16.44	16.55	16.49			20.5		0		
1.4	QPSK	1	6	16.46	16.52	16.42							
1.4	QPSK	1	12	16.41	16.46	16.41			20.5	0			
1.4	QPSK	3	0	16.38	16.51	16.38							
1.4	QPSK	3	6	16.37	16.44	16.36			20.5	0			
1.4	QPSK	3	9	16.39	16.50	16.35							
1.4	QPSK	6	0	16.38	16.48	16.34			20.5	0			
1.4	16QAM	1	0	16.40	16.46	16.42							
1.4	16QAM	1	3	16.37	16.46	16.39			20.5	0			
1.4	16QAM	1	6	16.35	16.42	16.37							
1.4	16QAM	3	0	16.38	16.49	16.37			20.5	0			
1.4	16QAM	3	3	16.32	16.45	16.39							
1.4	16QAM	3	6	16.39	16.42	16.36			20.5	0			
1.4													

Band 7 Ant1 DS16												
BW [MHz]	Modulation	RIS Size	RIS Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Turn-up (min)	MPR (dB)				
Channel												
				2510	2530	2550						
20	QPSK	1	0	22.29	22.33	22.31	23.3	0				
20	QPSK	1	49	22.23	22.23	22.32						
20	QPSK	1	99	22.23	22.28	22.29						
20	QPSK	50	0	21.98	22.03	22.01	23	0.3				
20	QPSK	50	24	21.98	21.93	22.02						
20	QPSK	50	50	21.94	21.95	22.01						
20	16QAM	1	0	22.01	22.10	22.01	23	0.3				
20	16QAM	1	49	21.97	21.92	22.02						
20	16QAM	1	99	21.94	21.96	21.97						
20	16QAM	50	0	20.97	21.09	21.00	22	1.3				
20	16QAM	50	24	20.96	20.91	21.00						
20	16QAM	50	50	20.91	20.96	20.99						
20	64QAM	1	0	20.88	20.88	20.72	22	1.3				
20	64QAM	1	49	20.75	20.65	20.72						
20	64QAM	1	99	20.71	20.65	20.71						
20	64QAM	50	0	19.79	19.72	19.71	21	2.3				
20	64QAM	50	24	19.85	19.85	19.73						
20	64QAM	50	50	19.82	19.87	19.89						
20	256QAM	1	49	18.11	18.25	18.13	19	4.3				
20	256QAM	1	99	18.18	18.18	18.25						
20	256QAM	50	0	18.14	18.14	18.20						
20	256QAM	50	24	18.10	18.26	18.23	19	4.3				
20	256QAM	50	50	18.21	18.18	18.20						
20	256QAM	100	0	18.16	18.17	18.18						
Channel												
				2567.5	2530	2562.5	Turn-up (min)	MPR (dB)				
18	QPSK	1	0	22.24	22.30	22.24	23.3	0				
18	QPSK	1	37	22.19	22.18	22.25						
18	QPSK	1	74	22.14	22.21	22.24						
18	QPSK	36	0	21.90	22.01	21.93	23	0.3				
18	QPSK	36	24	21.90	21.86	21.90						
18	QPSK	36	39	21.85	21.89	21.94						
18	QPSK	75	0	21.96	21.99	21.95	23	0.3				
18	QPSK	1	0	21.96	21.91	21.93						
18	16QAM	1	37	21.91	21.85	21.97						
18	16QAM	1	74	21.87	21.90	21.89	22	1.3				
18	16QAM	36	0	20.89	20.98	20.91						
18	16QAM	36	20	20.89	20.84	20.95						
18	16QAM	36	20	20.88	20.88	20.94	21	2.3				
18	16QAM	75	0	20.58	20.78	20.65						
18	64QAM	1	0	20.62	20.54	20.62						
18	64QAM	1	37	20.62	20.58	20.61	21	0.1				
18	64QAM	1	74	20.58	20.74	20.51						
18	64QAM	36	20	19.59	19.57	19.61						
18	64QAM	36	39	19.56	19.57	19.53	19	4.3				
18	64QAM	36	20	19.58	19.62	19.65						
18	64QAM	75	0	19.65	19.68	19.63						
18	256QAM	1	37	18.17	18.04	18.10	19	4.3				
18	256QAM	1	74	18.04	18.10	18.22						
18	256QAM	36	20	18.06	18.20	18.13						
18	256QAM	36	20	18.06	18.20	18.13	19	4.3				
18	256QAM	36	39	18.10	18.14	18.13						
Channel												
				2565	2535	2565			Turn-up (min)	MPR (dB)		
18	QPSK	1	0	22.20	22.31	22.24	23.3	0				
18	QPSK	1	46	22.17	22.18	22.25						
18	QPSK	1	99	22.17	22.18	22.21						
18	QPSK	25	12	21.89	21.88	21.96	23	0.3				
18	QPSK	25	25	21.89	21.88	21.94						
18	QPSK	25	25	21.89	21.88	21.94						
18	16QAM	1	0	21.97	22.03	21.99	23	0.3				
18	16QAM	1	26	21.90	21.85	21.95						
18	16QAM	1	49	21.88	21.92	21.90						
18	16QAM	25	0	20.97	21.02	20.93	22	1.3				
18	16QAM	25	12	20.90	20.84	20.91						
18	16QAM	25	25	20.83	20.91	20.92						
18	16QAM	50	0	20.62	20.71	20.64	22	1.3				
18	64QAM	1	0	20.61	20.58	20.62						
18	64QAM	1	26	20.60	20.60	20.65						
18	64QAM	1	49	20.66	20.70	20.62	21	2.3				
18	64QAM	25	0	19.55	19.73	19.67						
18	64QAM	25	12	19.56	19.56	19.56						
18	64QAM	25	25	19.58	19.63	19.61	19	4.3				
18	64QAM	50	0	19.67	19.69	19.62						
18	256QAM	1	26	18.05	18.10	18.07						
18	256QAM	1	26	18.19	18.06	18.16	19	4.3				
18	256QAM	1	49	18.07	18.11	18.23						
18	256QAM	25	0	18.08	18.08	18.11						
18	256QAM	25	12	18.00	18.17	18.13	19	4.3				
18	256QAM	25	25	18.14	18.16	18.12						
18	256QAM	50	0	18.09	18.09	18.11						
Channel												
				2577.5	2199.8	2142.5	Turn-up (min)	MPR (dB)				
5	QPSK	1	0	22.32	22.33	22.32	23.3	0				
5	QPSK	1	12	22.19	22.19	22.25						
5	QPSK	1	24	22.14	22.22	22.25						
5	QPSK	12	0	21.91	22.02	21.93	23	0.3				
5	QPSK	12	7	21.93	21.84	21.94						
5	QPSK	12	13	21.88	21.88	21.92						
5	QPSK	25	0	21.94	22.04	21.92	23	0.3				
5	16QAM	1	0	21.94	22.04	21.92						
5	16QAM	1	12	21.90	21.83	21.92						
5	16QAM	1	24	21.86	21.88	21.95	22	1.3				
5	16QAM	12	0	20.89	20.99	20.95						
5	16QAM	12	7	20.88	20.84	20.91						
5	16QAM	12	13	20.84	20.91	20.93	21	2.3				
5	64QAM	1	0	20.62	20.78	20.65						
5	64QAM	1	0	20.60	20.57	20.63						
5	64QAM	1	12	20.60	20.58	20.64	22	1.3				
5	64QAM	1	24	20.64	20.76	20.62						
5	64QAM	12	0	19.60	19.72	19.62						
5	64QAM	12	7	19.56	19.57	19.58	19	4.3				
5	64QAM	12	13	19.54	19.61	19.63						
5	64QAM	25	0	19.68	19.69	19.62						
5	256QAM	1	0	18.04	18.21	18.08	19	4.3				
5	256QAM	1	12	18.18	18.07	18.16						
5	256QAM	1	24	18.04	18.09	18.22						
5	256QAM	12	0	18.09	18.10	18.13	19	4.3				
5	256QAM	12	7	18.00	18.16	18.12						
5	256QAM	12	13	18.14	18.12	18.12						

Band 38-PC3 Ant1 DS16												
BW (MHz)	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	23.31	23.36	23.27	24	0				
20	QPSK	1	49	23.15	23.19	23.13						
20	QPSK	1	99	23.02	23.03	23.06						
20	QPSK	50	0	22.27	22.31	22.20						
20	QPSK	50	24	22.25	22.23	22.17	23	1				
20	QPSK	50	50	22.08	22.12	22.10						
20	QPSK	100	0	22.20	22.26	22.17						
20	16QAM	1	0	22.53	22.57	22.51						
20	16QAM	1	49	22.50	22.45	22.43	23	1				
20	16QAM	1	99	22.28	22.31	22.25						
20	16QAM	50	0	21.28	21.30	21.29						
20	16QAM	50	24	21.17	21.24	21.23						
20	16QAM	50	50	21.14	21.20	21.13	22	2				
20	16QAM	100	0	21.23	21.25	21.20						
20	64QAM	1	0	21.36	21.41	21.36						
20	64QAM	1	49	21.20	21.28	21.21						
20	64QAM	1	99	21.12	21.12	21.10	22	2				
20	64QAM	50	0	20.31	20.29	20.27						
20	64QAM	50	24	20.20	20.27	20.22						
20	64QAM	50	50	20.12	20.19	20.18						
20	64QAM	100	0	20.23	20.26	20.22	21	3				
20	256QAM	1	0	18.30	18.30	18.25						
20	256QAM	1	49	18.21	18.21	18.18						
20	256QAM	1	99	18.09	18.08	18.05						
20	256QAM	50	0	18.26	18.29	18.37	19	5				
20	256QAM	50	24	18.30	18.37	18.31						
20	256QAM	50	50	18.24	18.25	18.19						
20	256QAM	100	0	18.16	18.24	18.20						
Channel												
Frequency (MHz)												
15	QPSK	1	0	23.77.5	23.85	23.72.5	24	0				
15	QPSK	1	49	23.69	23.18	23.06						
15	QPSK	1	74	23.10	23.01	23.03						
15	QPSK	36	0	22.21	22.23	22.16						
15	QPSK	36	24	22.22	22.23	22.19	23	1				
15	QPSK	36	39	22.07	22.10	22.08						
15	QPSK	75	0	22.17	22.18	22.12						
15	16QAM	1	0	22.47	22.43	22.47						
15	16QAM	1	37	22.37	22.41	22.42	24	1				
15	16QAM	1	74	22.22	22.28	22.23						
15	16QAM	36	0	21.26	21.28	21.28						
15	16QAM	36	20	21.13	21.22	21.19						
15	16QAM	36	39	21.12	21.13	21.11	22	2				
15	16QAM	75	0	21.17	21.24	21.16						
15	64QAM	1	0	21.32	21.38	21.34						
15	64QAM	1	37	21.16	21.25	21.15						
15	64QAM	1	74	21.05	21.10	21.06	22	2				
15	64QAM	36	0	20.48	20.23	20.20						
15	64QAM	36	20	20.13	20.21	20.17						
15	64QAM	36	39	20.10	20.16	20.12						
15	64QAM	75	0	20.19	20.20	20.15	21	3				
15	256QAM	1	0	18.25	18.22	18.22						
15	256QAM	1	37	18.14	18.17	18.15						
15	256QAM	1	74	18.03	18.07	18.05						
15	256QAM	36	0	18.32	18.33	18.32	19	5				
15	256QAM	36	20	18.30	18.32	18.24						
15	256QAM	36	39	18.19	18.23	18.17						
15	256QAM	75	0	18.13	18.13	18.13						
Channel												
Frequency (MHz)												
10	QPSK	1	0	23.75	23.80	23.70	24	0				
10	QPSK	1	49	23.68	23.13	23.07						
10	QPSK	1	99	23.10	23.05	23.01						
10	QPSK	25	0	22.20	22.18	22.14						
10	QPSK	25	12	22.19	22.15	22.11	23	1				
10	QPSK	25	25	22.03	22.05	22.03						
10	QPSK	50	0	22.14	22.12	22.12						
10	16QAM	1	0	22.48	22.52	22.46						
10	16QAM	1	25	22.53	22.58	22.57	23	1				
10	16QAM	1	49	22.22	22.26	22.18						
10	16QAM	25	0	21.23	21.25	21.23						
10	16QAM	25	12	21.10	21.17	21.16						
10	16QAM	25	25	21.09	21.15	21.08	22	2				
10	16QAM	50	0	21.18	21.18	21.13						
10	64QAM	1	0	21.31	21.36	21.33						
10	64QAM	1	25	21.14	21.22	21.15						
10	64QAM	1	49	21.06	21.07	21.05	21	3				
10	64QAM	25	0	20.45	20.23	20.22						
10	64QAM	25	12	20.13	20.20	20.16						
10	64QAM	25	25	20.06	20.14	20.11						
10	64QAM	50	0	20.17	20.20	20.17	21	3				
10	256QAM	1	0	18.23	18.24	18.19						
10	256QAM	1	25	18.15	18.14	18.13						
10	256QAM	1	49	18.04	18.02	18.00						
10	256QAM	25	0	18.25	18.24	18.21	19	5				
10	256QAM	25	12	18.30	18.31	18.26						
10	256QAM	25	25	18.18	18.19	18.12						
10	256QAM	50	0	18.09	18.19	18.13						
Channel												
Frequency (MHz)												
5	QPSK	1	0	23.75	23.80	23.70	24	0				
5	QPSK	1	12	23.19	23.23	23.19						
5	QPSK	1	24	23.05	23.07	23.00						
5	QPSK	12	0	22.29	22.28	22.24						
5	QPSK	12	7	22.28	22.25	22.21	23	1				
5	QPSK	12	13	22.12	22.15	22.13						
5	QPSK	25	0	22.23	22.22	22.20						
5	16QAM	1	0	22.58	22.59	22.54						
5	16QAM	1	12	22.43	22.47	22.47	23	1				
5	16QAM	1	24	22.31	22.34	22.28						
5	16QAM	12	0	21.31	21.33	21.32						
5	16QAM	12	7	21.19	21.26	21.26						
5	16QAM	12	13	21.18	21.23	21.18	22	2				
5	16QAM	25	0	21.27	21.28	21.23						
5	64QAM	1	0	21.40	21.44	21.40						
5	64QAM	1	12	21.24	21.30	21.24						
5	64QAM	1	24	21.15	21.14	21.14	22	2				
5	64QAM	12	0	20.34	20.33	20.30						
5	64QAM	12	7	20.24	20.30	20.25						
5	64QAM	12	13	20.16	20.22	20.21						
5	64QAM	25	0	20.25	20.29	20.25	21	3				
5	256QAM	1	0	18.22	18.22	18.20						
5	256QAM	1	12	18.23	18.23	18.21						
5	256QAM	1	24	18.13	18.12	18.09						
5	256QAM	12	0	18.28	18.41	18.40	19	5				
5	256QAM	12	7	18.30	18.39	18.35						
5	256QAM	12	13	18.27	18.27	18.23						
5	256QAM	25	0	18.18	18.26	18.24						

Band 38 -PC2 Ant1 DS16									
BW (MHz)	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	26.32	26.39	26.33	27	0	
20	QPSK	1	49	26.24	26.35	26.26			
20	QPSK	1	99	26.18	26.39	26.24			
20	QPSK	50	0	25.28	25.38	25.37	26	1	
20	QPSK	50	24	25.17	25.35	25.33			
20	QPSK	50	50	25.11	25.28	25.28			
20	QPSK	100	0	24.40	24.40	24.37	26	1	
20	16QAM	1	0	26.35	26.44	26.36			
20	16QAM	1	49	26.19	26.45	26.25			
20	16QAM	1	99	26.15	26.36	26.25	25	2	
20	16QAM	50	0	24.22	24.45	24.27			
20	16QAM	50	50	24.24	24.28	24.28			
20	16QAM	100	0	24.40	24.44	24.42	25	2	
20	16QAM	1	49	24.29	24.50	24.36			
20	16QAM	1	99	24.21	24.46	24.33			
20	16QAM	50	0	24.13	24.33	24.21	24	3	
20	16QAM	50	0	23.28	23.48	23.41			
20	16QAM	50	24	23.31	23.33	23.46			
20	16QAM	50	50	23.27	23.32	23.27	22	5	
20	16QAM	100	0	23.12	23.25	23.33			
20	256QAM	1	0	21.41	21.43	21.36			
20	256QAM	1	49	21.16	21.38	21.27	22	5	
20	256QAM	1	99	21.23	21.23	21.28			
20	256QAM	50	0	21.36	21.50	21.30			
20	256QAM	50	24	21.35	21.50	21.43	22	5	
20	256QAM	50	50	21.21	21.36	21.18			
20	256QAM	100	0	21.17	21.35	21.37			
Channel									
Frequency (MHz)									
15	QPSK	1	0	26.18	26.27	26.12	27	0	
15	QPSK	1	37	26.13	26.28	26.11			
15	QPSK	1	74	26.05	26.13	26.07			
15	QPSK	36	0	24.14	24.36	24.30	26	1	
15	QPSK	36	20	25.10	25.17	25.22			
15	QPSK	36	36	24.91	25.09	25.03			
15	QPSK	75	0	26.36	26.38	26.35	26	1	
15	QPSK	75	0	25.34	25.28	25.26			
15	16QAM	1	37	25.11	25.30	25.05			
15	16QAM	1	74	25.11	25.34	25.16	25	2	
15	16QAM	36	0	24.21	24.27	24.33			
15	16QAM	36	20	24.22	24.27	24.12			
15	16QAM	36	36	24.19	24.22	24.07	25	2	
15	16QAM	75	0	24.18	24.43	24.30			
15	16QAM	75	0	24.33	24.36	24.25			
15	16QAM	1	37	24.16	24.28	24.13	25	2	
15	16QAM	1	74	24.02	24.18	24.06			
15	16QAM	36	0	23.13	23.29	23.13			
15	16QAM	36	20	23.11	23.29	23.34	24	3	
15	16QAM	36	36	23.20	23.12	23.15			
15	16QAM	75	0	22.97	23.09	23.18			
15	16QAM	75	0	21.24	21.31	21.32	22	5	
15	256QAM	1	37	21.06	21.29	21.13			
15	256QAM	1	74	21.16	21.28	21.14			
15	256QAM	36	0	21.29	21.21	21.34	22	5	
15	256QAM	36	20	21.25	21.36	21.34			
15	256QAM	75	0	21.02	21.22	21.13			
Channel									
Frequency (MHz)									
10	QPSK	1	0	26.23	26.30	26.20	27	0	
10	QPSK	1	49	26.13	26.23	26.15			
10	QPSK	1	99	26.21	26.36	26.18			
10	QPSK	1	49	26.07	26.27	26.13	26	1	
10	QPSK	25	0	26.21	25.26	25.31			
10	QPSK	25	12	25.15	25.30	25.25			
10	QPSK	25	25	25.09	25.29	25.05	26	1	
10	QPSK	50	0	26.27	25.31	25.12			
10	16QAM	1	0	26.34	25.37	25.34			
10	16QAM	1	25	25.18	25.38	25.25	26	1	
10	16QAM	1	49	25.12	25.23	25.25			
10	16QAM	25	0	24.23	24.38	24.37			
10	16QAM	25	12	24.12	24.34	24.28	25	2	
10	16QAM	25	25	24.18	24.14	24.26			
10	16QAM	50	0	24.10	24.39	24.29			
10	16QAM	1	0	26.19	24.49	24.33	25	2	
10	16QAM	1	25	24.11	24.34	24.17			
10	16QAM	1	49	24.07	24.14	24.11			
10	16QAM	25	0	23.13	23.45	23.37	24	3	
10	16QAM	25	12	23.22	23.33	23.29			
10	16QAM	25	25	23.20	23.28	23.22			
10	16QAM	50	0	22.93	23.10	23.23	22	5	
10	256QAM	1	0	21.52	21.29	21.21			
10	256QAM	1	25	20.97	21.21	21.26			
10	256QAM	1	49	21.08	21.35	21.25	22	5	
10	256QAM	25	0	21.36	21.32	21.17			
10	256QAM	25	12	21.25	21.36	21.31			
10	256QAM	25	25	21.18	21.33	21.27	22	5	
10	256QAM	50	0	20.98	21.28	21.18			
Channel									
Frequency (MHz)									
5	QPSK	1	0	26.16	26.25	26.21	27	0	
5	QPSK	1	12	26.11	26.24	26.22			
5	QPSK	1	24	26.05	26.16	26.07			
5	QPSK	12	0	25.22	25.21	25.28	26	1	
5	QPSK	12	7	25.09	25.25	25.26			
5	QPSK	12	13	25.04	25.07	25.09			
5	QPSK	12	0	25.31	25.31	25.22	26	1	
5	16QAM	1	0	26.24	25.33	25.35			
5	16QAM	1	12	25.07	25.27	25.28			
5	16QAM	12	0	25.11	25.18	25.11	25	2	
5	16QAM	12	0	24.23	24.30	24.32			
5	16QAM	12	7	24.09	24.38	24.19			
5	16QAM	12	13	24.22	24.09	24.10	25	2	
5	16QAM	25	0	24.23	24.34	24.41			
5	16QAM	1	0	24.31	24.34	24.18			
5	16QAM	1	12	24.15	24.45	24.28	25	2	
5	16QAM	1	24	23.56	24.24	24.04			
5	16QAM	12	0	23.21	23.28	23.23			
5	16QAM	12	7	23.26	23.24	23.38	24	3	
5	16QAM	12	13	23.17	23.22	23.28			
5	16QAM	25	0	22.94	23.22	23.22			
5	256QAM	1	0	21.27	21.27	21.32	22	5	
5	256QAM	1	12	20.97	21.38	21.14			
5	256QAM	1	24	21.22	21.22	21.21			
5	256QAM	12	0	21.34	21.45	21.28	22	5	
5	256QAM	12	7	21.24	21.48	21.38			
5	256QAM	12	13	21.18	21.22	21.27			
5	256QAM	25	0	21.00	21.30	21.30	22	5	

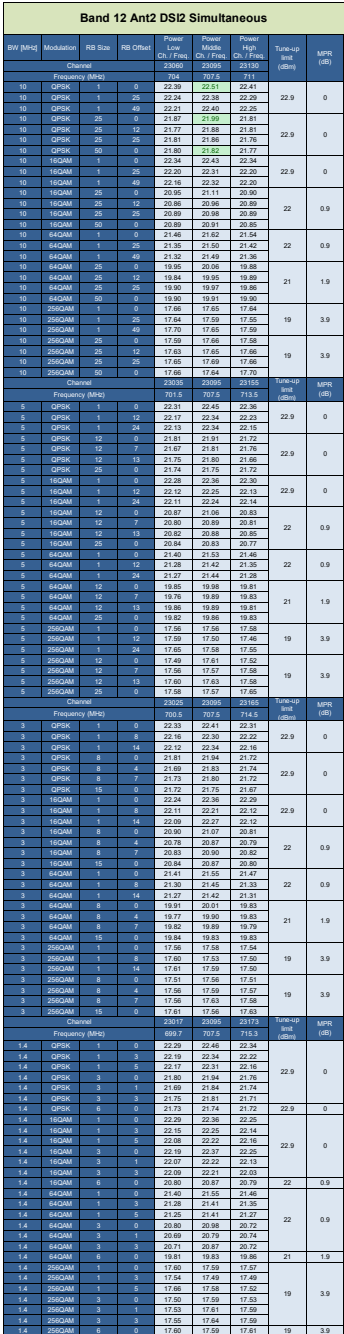
Band 41 -PC3 Ant1 DS16												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Co. [Frac]	Power Low Mid Co. [Frac]	Power Low High Co. [Frac]	Power High Co. [Frac]	Power High Mid Co. [Frac]	Power High Low Co. [Frac]	Time-up inst (dBm)	MPR (dB)	
Channel												
Frequency (MHz)												
20	QPSK	1	0	2356	2548.5	2563	2636.5	2660				
20	QPSK	1	49	2331	2330	2339	2338	2337				
20	QPSK	1	99	2306	2300	2306	2302	2301				
20	QPSK	50	0	2228	2222	2234	2227	2229				
20	QPSK	50	24	2227	2219	2224	2221	2222				
20	QPSK	50	50	2216	2213	2226	2224	2226				
20	QPSK	100	0	2221	2220	2226	2223	2225				
20	16QAM	1	0	2259	2254	2264	2261	2266				
20	16QAM	1	49	2248	2245	2252	2251	2241				
20	16QAM	1	99	2235	2228	2234	2231	2229				
20	16QAM	50	0	2132	2133	2112	2113	2132				
20	16QAM	50	24	2126	2127	2111	2113	2129				
20	16QAM	50	50	2123	2116	2112	2109	2120				
20	16QAM	100	0	2127	2123	2109	2111	2126				
20	64QAM	1	0	2144	2141	2137	2136	2143				
20	64QAM	1	49	2132	2134	2136	2134	2128				
20	64QAM	1	99	2135	2134	2139	2120	2106				
20	64QAM	50	0	2031	2031	2019	2015	2030				
20	64QAM	50	24	2030	2024	2013	2010	2024				
20	64QAM	50	50	2022	2022	2010	2007	2018				
20	64QAM	100	0	2029	2025	2008	2010	2026				
20	256QAM	1	0	1832	1828	1822	1815	1832				
20	256QAM	1	49	1824	1820	1822	1823	1823				
20	256QAM	1	99	1811	1807	1812	1804	1804				
20	256QAM	50	0	1840	1838	1833	1826	1836				
20	256QAM	50	24	1840	1833	1818	1817	1836				
20	256QAM	50	50	1829	1828	1821	1819	1825				
20	256QAM	100	0	1827	1823	1809	1805	1821				
Channel												
Frequency (MHz)												
15	QPSK	1	0	2331	2331	2329	2327	2323				
15	QPSK	1	37	2319	2316	2312	2310	2313				
15	QPSK	1	74	2302	2305	2302	2302	2301				
15	QPSK	36	0	2225	2220	2208	2208	2225				
15	QPSK	36	24	2228	2217	2203	2202	2215				
15	QPSK	36	39	2215	2214	2204	2201	2225				
15	QPSK	75	0	2219	2221	2203	2210	2216				
15	16QAM	1	0	2226	2223	2223	2224	2225				
15	16QAM	1	37	2249	2242	2223	2221	2247				
15	16QAM	1	74	2230	2227	2215	2211	2227				
15	16QAM	36	0	2134	2134	2111	2111	2130				
15	16QAM	36	20	2123	2129	2107	2110	2124				
15	16QAM	36	39	2123	2115	2112	2111	2118				
15	16QAM	75	0	2127	2119	2105	2112	2127				
15	64QAM	1	0	2142	2143	2141	2142	2146				
15	64QAM	1	37	2131	2122	2116	2124	2126				
15	64QAM	1	74	2114	2110	2126	2123	2110				
15	64QAM	36	0	2020	2029	2018	2015	2026				
15	64QAM	36	20	2027	2021	2013	2011	2023				
15	64QAM	36	39	2020	2021	2009	2005	2016				
15	64QAM	75	0	2029	2024	2005	2011	2026				
15	256QAM	1	0	1831	1830	1826	1825	1831				
15	256QAM	1	37	1823	1819	1820	1824	1825				
15	256QAM	1	74	1809	1806	1822	1803	1801				
15	256QAM	50	0	1843	1840	1833	1826	1843				
15	256QAM	50	20	1839	1830	1818	1814	1835				
15	256QAM	50	39	1830	1824	1820	1818	1826				
15	256QAM	75	0	1828	1825	1809	1805	1824				
Channel												
Frequency (MHz)												
20	QPSK	1	0	2351	2547	2563	2630	2665				
20	QPSK	1	49	2329	2322	2331	2323	2336				
20	QPSK	1	99	2303	2309	2303	2300	2301				
20	QPSK	25	0	2219	2219	2203	2206	2218				
20	QPSK	25	49	2219	2219	2206	2203	2218				
20	QPSK	25	25	2207	2207	2205	2202	2204				
20	QPSK	50	0	2218	2218	2219	2221	2214				
20	16QAM	1	0	2241	2249	2223	2224	2250				
20	16QAM	1	49	2244	2241	2218	2216	2242				
20	16QAM	1	99	2224	2227	2225	2212	2220				
20	16QAM	25	0	2125	2125	2111	2110	2128				
20	16QAM	25	14	2121	2124	2107	2115	2126				
20	16QAM	25	25	2122	2111	2107	2106	2119				
20	16QAM	50	0	2120	2116	2107	2110	2122				
20	64QAM	1	0	2141	2132	2117	2111	2134				
20	64QAM	1	25	2127	2120	2125	2116	2128				
20	64QAM	1	49	2112	2111	2122	2117	2131				
20	64QAM	25	0	2027	2030	2016	2015	2025				
20	64QAM	25	12	2030	2029	2010	2008	2022				
20	64QAM	25	25	2017	2016	2005	2001	2010				
20	64QAM	50	0	2022	2018	2002	2010	2020				
20	256QAM	1	0	1826	1822	1811	1809	1831				
20	256QAM	1	25	1821	1814	1827	1814	1819				
20	256QAM	1	49	1810	1802	1822	1816	1819				
20	256QAM	25	0	1833	1831	1818	1815	1836				
20	256QAM	25	12	1830	1831	1816	1814	1826				
20	256QAM	25	25	1826	1815	1820	1818	1818				
20	256QAM	50	0	1821	1822	1801	1800	1819				
Channel												
Frequency (MHz)												
5	QPSK	1	0	2328	2324	2328	2322	2334				
5	QPSK	1	24	2318	2314	2307	2309	2312				
5	QPSK	1	24	2303	2316	2303	2311	2317				
5	QPSK	12	0	2225	2219	2206	2204	2222				
5	QPSK	12	7	2222	2216	2210	2210	2216				
5	QPSK	12	13	2211	2201	2202	2202	2202				
5	QPSK	25	0	2215	2218	2214	2203	2216				
5	16QAM	1	12	2245	2242	2217	2219	2239				
5	16QAM	1	24	2230	2224	2218	2235	2226				
5	16QAM	12	0	2130	2127	2110	2106	2126				
5	16QAM	12	7	2134	2132	2107	2110	2119				
5	16QAM	12	13	2119	2112	2104	2104	2117				
5	16QAM	25	0	2122	2118	2104	2108	2121				
5	64QAM	1	0	2139	2138	2115	2112	2136				
5	64QAM	1	12	2129	2119	2115	2118	2126				
5	64QAM	1	24	2111	2109	2117	2107	2103				
5	64QAM	12	0	2026	2025	2014	2009	2025				
5	64QAM	12	7	2025	2020	2008	2007	2019				
5	64QAM	12	13	2018	2018	2007	2003	2013				
5	64QAM	25	0	2024	2023	2006	2005	2021				
5	256QAM	1	0	1828	1822	1810	1806	1828				
5	256QAM	1	12	1821	1816	1812	1824	1819				
5	256QAM	1	24	1806	1803	1822	1823	1814				
5	256QAM	12	0	1826	1834	1819	1815	1837				
5	256QAM	12	7	1830	1829	1812	1812	1832				
5	256QAM	12	13	1825	1819	1817	1816	1821				
5	256QAM	25	0	1824	1819	1803	1800	1821				

Band 41 -PC2 Ant1 DS16												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Co. [Frac]	Power Low Mid Co. [Frac]	Power Low High Co. [Frac]	Power High Co. [Frac]	Power High Mid Co. [Frac]	Power High Low Co. [Frac]	Time-up Inst (dBm)	MPR (dB)	
Channel												
Frequency (MHz)												
20	QPSK	1	0	2638	2634	2643	2634	2634				
20	QPSK	1	49	2632	2618	2607	2617	2638		27	0	
20	QPSK	1	99	2638	2648	2659	2649	2659				
20	QPSK	1	149	2638	2639	2641	2631	2631				
20	QPSK	50	24	2632	2616	2604	2608	2625		26	1	
20	QPSK	50	74	2638	2648	2659	2649	2659				
20	QPSK	100	0	2615	2623	2630	2640	2638				
20	16QAM	1	0	2658	2660	2668	2630	2649				
20	16QAM	1	49	2653	2658	2666	2636	2652		26	1	
20	16QAM	1	99	2634	2627	2636	2616	2625				
20	16QAM	50	0	2626	2629	2634	2621	2627				
20	16QAM	50	24	2623	2621	2612	2609	2620		25	2	
20	16QAM	50	74	2623	2623	2618	2613	2611				
20	16QAM	1	0	2620	2616	2617	2607	2613				
20	16QAM	1	49	2642	2644	2624	2613	2642				
20	16QAM	1	99	2626	2624	2618	2608	2611		25	2	
20	16QAM	1	149	2610	2611	2606	2616	2604				
20	16QAM	50	0	2314	2327	2328	2309	2321				
20	16QAM	50	24	2316	2327	2326	2316	2321		24	3	
20	16QAM	50	74	2313	2325	2323	2307	2321				
20	16QAM	100	0	2328	2328	2308	2310	2326				
20	256QAM	1	0	2131	2132	2117	2106	2140				
20	256QAM	1	49	2121	2121	2127	2117	2127		22	5	
20	256QAM	1	99	2110	2099	2112	2107	2109				
20	256QAM	50	0	2134	2138	2131	2128	2144				
20	256QAM	50	24	2146	2142	2119	2122	2130		22	5	
20	256QAM	50	74	2133	2130	2122	2112	2133				
20	256QAM	100	0	2119	2119	2111	2096	2124				
Channel												
Frequency (MHz)												
15	QPSK	1	0	2620	2548	2633	2633	2625				
15	QPSK	1	37	2620	2613	2620	2625	2616		27	0	
15	QPSK	1	74	2620	2604	2611	2616	2607				
15	QPSK	1	111	2620	2613	2620	2625	2616				
15	QPSK	36	0	2522	2509	2505	2491	2518				
15	QPSK	36	20	2513	2502	2493	2494	2512		26	1	
15	QPSK	36	39	2499	2491	2483	2493	2484				
15	QPSK	36	58	2514	2510	2507	2494	2519				
15	16QAM	1	0	2642	2640	2616	2619	2647				
15	16QAM	1	37	2650	2648	2625	2627	2658		26	1	
15	16QAM	1	74	2626	2609	2605	2613	2606				
15	16QAM	36	0	2425	2410	2385	2411	2416				
15	16QAM	36	20	2419	2409	2384	2404	2404		25	2	
15	16QAM	36	39	2414	2415	2414	2394	2391				
15	16QAM	75	0	2423	2413	2399	2389	2430				
15	16QAM	75	0	2427	2441	2422	2407	2430				
15	16QAM	1	37	2407	2407	2317	2303	2317		25	2	
15	16QAM	1	74	2396	2414	2411	2401	2403				
15	16QAM	36	0	2321	2316	2310	2299	2313				
15	16QAM	36	20	2318	2318	2293	2304	2312		24	3	
15	16QAM	36	39	2295	2324	2321	2282	2305				
15	16QAM	75	0	2312	2308	2298	2307	2315				
15	16QAM	75	0	2118	2118	2080	2091	2117				
15	256QAM	1	37	2027	2105	2117	2102	2119		22	5	
15	256QAM	1	74	2085	2095	2094	2096	2092				
15	256QAM	36	0	2113	2113	2106	2102	2113		22	5	
15	256QAM	36	20	2132	2128	2112	2120	2127				
15	256QAM	36	39	2113	2114	2102	2109	2120				
15	256QAM	75	0	2103	2108	2104	2097	2117				
Channel												
Frequency (MHz)												
10	QPSK	1	0	2620	2600	2602	2600	2600				
10	QPSK	1	0	2621	2647	2693	2693	2685		Time-up Inst (dBm)	MPR (dB)	
10	QPSK	1	0	2627	2611	2611	2621	2614				
10	QPSK	1	25	2605	2605	2616	2605	2601		27	0	
10	QPSK	1	49	2622	2636	2630	2629	2630				
10	QPSK	25	0	2624	2620	2603	2619	2617				
10	QPSK	25	12	2618	2618	2604	2619	2617				
10	QPSK	25	25	2607	2609	2600	2606	2613		26	1	
10	QPSK	50	0	2647	2604	2606	2619	2611				
10	16QAM	1	0	2590	2643	2626	2617	2634				
10	16QAM	1	25	2642	2631	2620	2625	2609		26	1	
10	16QAM	1	49	2622	2613	2611	2606	2607				
10	16QAM	25	0	2616	2615	2609	2609	2617				
10	16QAM	25	12	2607	2617	2608	2617	2601				
10	16QAM	25	25	2625	2618	2602	2601	2388		25	2	
10	16QAM	50	0	2412	2403	2402	2405	2425				
10	16QAM	50	12	2432	2434	2434	2434	2427				
10	16QAM	1	49	2411	2422	2405	2384	2414		25	2	
10	16QAM	1	24	2401	2399	2401	2403	2390				
10	16QAM	25	0	2414	2419	2408	2408	2408				
10	16QAM	25	12	2323	2305	2297	2301	2320				
10	16QAM	25	25	2304	2316	2293	2301	2299		24	3	
10	16QAM	50	0	2311	2310	2292	2304	2313				
10	16QAM	50	1	2316	2316	2299	2302	2315				
10	256QAM	1	25	2100	2099	2115	2105	2118		22	5	
10	256QAM	1	49	2107	2081	2106	2104	2106				
10	256QAM	12	0	2126	2133	2136	2117	2136				
10	256QAM	25	12	2138	2122	2110	2107	2112				
10	256QAM	25	25	2121	2116	2114	2102	2121				
10	256QAM	50	0	2106	2106	2106	2106	2106		Time-up Inst (dBm)	MPR (dB)	
Channel												
Frequency (MHz)												
5	QPSK	1	0	2615	2648	2673	2643	2673				
5	QPSK	1	12	2613	2610	2618	2626	2633		27	0	
5	QPSK	1	24	2632	2602	2579	2579	2584				
5	QPSK	12	0	2632	2609	2595	2612	2618				
5	QPSK	12	12	2612	2612	2608	2618	2607		26	1	
5	QPSK	25	0	2497	2496	2480	2500	2503				
5	QPSK	25	12	2496	2498	2493	2480	2517				
5	16QAM	1	0	2654	2647	2615	2622	2659		26	1	
5	16QAM	1	12	2649	2627	2615	2622	2629				
5	16QAM	1	24	2623	2622	2619	2614	2621				
5	16QAM	12	0	2614	2618	2607	2618	2609				
5	16QAM	12	7	2615	2614	2604	2607	2606		25	2	
5	16QAM	12	13	2630	2618	2614	2615	2606				
5	16QAM	25	0	2413	2407	2408	2402	2424				
5	16QAM	25	1	2436	2434	2406	2406	2432				
5	16QAM	1	12	2409	2427	2399	2392	2411		25	2	
5	16QAM	1	24	2409	2408	2405	2401	2394				
5	16QAM	12	0	2330	2314	2324	2314	2328				
5	16QAM	12	7	2321	2305	2289	2315	2319		24	3	
5	16QAM	12	13	2310	2314	2294	2304	2304				
5	256QAM	1	0	2113	2113	2103	2103	2107				
5	256QAM	1	12	2121	2110	2101	2101	2128		22	5	
5	256QAM	1	24	2109	2095	2108	2087	2095				
5	256QAM	12	0	2122	2122	2125	2121	2138				
5	256QAM	12	7	2130	2111	2103	2103	2126				
5	256QAM	12	13	2123	2111	2110	2107	2127				
5	256QAM	25	0	2101	2102	2101	2101	2101		22	5	

Ant2 DS12 Simultaneous				
Band		WCDMA V		
TX Channel		4132	4182	4233
Rx Channel		4357	4407	4458
Frequency (MHz)		826.4	836.4	846.6
3GPP Rel 99	AMR 12.2Kbps	21.43	21.42	21.34
3GPP Rel 99	RMC 12.2Kbps	21.63	21.67	21.55
3GPP Rel 6	HSDPA Subtest-1	20.70	20.68	20.54
3GPP Rel 6	HSDPA Subtest-2	20.61	20.60	20.62
3GPP Rel 6	HSDPA Subtest-3	20.11	20.12	20.18
3GPP Rel 6	HSDPA Subtest-4	20.21	20.21	19.92
3GPP Rel 6	DC-HSDPA Subtest-1	20.59	20.60	20.53
3GPP Rel 6	DC-HSDPA Subtest-2	20.69	20.63	20.46
3GPP Rel 6	DC-HSDPA Subtest-3	20.13	20.13	20.16
3GPP Rel 6	DC-HSDPA Subtest-4	20.27	20.06	19.94
3GPP Rel 6	HSUPA Subtest-1	20.69	20.61	20.62
3GPP Rel 6	HSUPA Subtest-2	18.63	18.68	18.49
3GPP Rel 6	HSUPA Subtest-3	19.58	19.60	19.68
3GPP Rel 6	HSUPA Subtest-4	18.56	18.71	18.55
3GPP Rel 6	HSUPA Subtest-5	20.62	20.71	20.68

Tune-up
Limit
(dBm)

Band 4 Ant2 DS12 Simultaneous												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. 200500	Power Middle Ch./Freq. 201750	Power High Ch./Freq. 203000	Time-up (dBm)	MRR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	16.88	16.92	16.81			17.8	0		
20	QPSK	1	49	16.84	16.92	16.72						
20	QPSK	1	99	16.78	16.92	16.77			17.8	0		
20	QPSK	50	0	16.87	16.91	16.78						
20	QPSK	50	24	16.80	16.90	16.74			17.8	0		
20	QPSK	50	50	16.82	16.89	16.75						
20	QPSK	100	0	16.83	16.91	16.78			17.8	0		
20	16QAM	1	0	16.79	16.92	16.77						
20	16QAM	1	49	16.80	16.94	16.77			17.8	0		
20	16QAM	1	99	16.83	16.87	16.75						
20	16QAM	50	0	16.80	16.89	16.73			17.8	0		
20	16QAM	50	24	16.83	16.90	16.74						
20	16QAM	50	50	16.79	16.91	16.72			17.8	0		
20	16QAM	100	0	16.79	16.89	16.73						
20	64QAM	1	0	16.83	16.90	16.81			17.8	0		
20	64QAM	1	49	16.88	16.91	16.75						
20	64QAM	1	99	16.85	16.89	16.73			17.8	0		
20	64QAM	50	0	16.83	16.90	16.75						
20	64QAM	50	24	16.86	16.91	16.71			17.8	0		
20	64QAM	50	50	16.81	16.88	16.77						
20	256QAM	1	0	16.87	16.91	16.77			17.8	0		
20	256QAM	1	49	16.83	16.89	16.74						
20	256QAM	1	99	16.88	16.88	16.77			17.8	0		
20	256QAM	50	0	16.78	16.92	16.80						
20	256QAM	50	24	16.87	16.92	16.75						
20	256QAM	50	50	16.81	16.88	16.77						
20	256QAM	100	0	16.80	16.91	16.77			Time-up (dBm)	MRR (dB)		
Channel												
Frequency (MHz)												
15	QPSK	1	0	17.15	17.23	17.47.5			17.8	0		
15	QPSK	1	27	16.86	16.91	16.80						
15	QPSK	1	74	16.87	16.93	16.79			17.8	0		
15	QPSK	36	0	16.79	16.90	16.74						
15	QPSK	36	20	16.88	16.89	16.74			17.8	0		
15	QPSK	36	39	16.87	16.88	16.79						
15	QPSK	75	0	16.86	16.91	16.76			17.8	0		
15	16QAM	1	0	16.84	16.89	16.72						
15	16QAM	1	37	16.83	16.92	16.80			17.8	0		
15	16QAM	1	74	16.84	16.90	16.76						
15	16QAM	36	0	16.81	16.85	16.72			17.8	0		
15	16QAM	36	20	16.85	16.93	16.73						
15	16QAM	36	39	16.82	16.92	16.79			17.8	0		
15	16QAM	75	0	16.86	16.89	16.71						
15	64QAM	1	0	16.82	16.87	16.76			17.8	0		
15	64QAM	1	37	16.82	16.94	16.78						
15	64QAM	1	74	16.82	16.93	16.78			17.8	0		
15	64QAM	36	0	16.86	16.93	16.79						
15	64QAM	36	20	16.82	16.94	16.72			17.8	0		
15	64QAM	36	39	16.78	16.94	16.72						
15	64QAM	75	0	16.82	16.92	16.72			17.8	0		
15	256QAM	1	0	16.83	16.90	16.75						
15	256QAM	1	37	16.81	16.89	16.79			17.8	0		
15	256QAM	1	74	16.86	16.89	16.73						
15	256QAM	36	0	16.82	16.91	16.81			17.8	0		
15	256QAM	36	20	16.82	16.91	16.81						
15	256QAM	36	39	16.78	16.93	16.71			17.8	0		
15	256QAM	75	0	16.82	16.94	16.78						
Channel												
Frequency (MHz)												
10	QPSK	1	0	17.15	17.23	17.47.5			17.8	0		
10	QPSK	1	25	16.82	16.88	16.72						
10	QPSK	1	49	16.81	16.89	16.80			17.8	0		
10	QPSK	1	74	16.82	16.91	16.78						
10	QPSK	25	0	16.80	16.93	16.78			17.8	0		
10	QPSK	25	25	16.83	16.90	16.72						
10	QPSK	50	0	16.83	16.90	16.72			17.8	0		
10	16QAM	1	0	16.80	16.94	16.74						
10	16QAM	1	25	16.81	16.92	16.79			17.8	0		
10	16QAM	1	49	16.79	16.92	16.76						
10	16QAM	25	0	16.86	16.93	16.78			17.8	0		
10	16QAM	25	12	16.82	16.92	16.78						
10	16QAM	25	25	16.78	16.88	16.76			17.8	0		
10	16QAM	50	0	16.82	16.92	16.76						
10	16QAM	50	12	16.80	16.90	16.77			17.8	0		
10	16QAM	50	25	16.82	16.91	16.77						
10	16QAM	100	0	16.85	16.90	16.77			17.8	0		
10	256QAM	1	0	16.78	16.91	16.74						
10	256QAM	1	25	16.83	16.86	16.74			17.8	0		
10	256QAM	1	49	16.84	16.89	16.76						
10	256QAM	1	74	16.86	16.89	16.73			17.8	0		
10	256QAM	25	0	16.82	16.92	16.76						
10	256QAM	25	12	16.83	16.86	16.74			17.8	0		
10	256QAM	25	25	16.84	16.91	16.80						
10	256QAM	50	0	16.78	16.90	16.74						
Channel												
Frequency (MHz)												
5	QPSK	1	0	16.86	16.90	16.80			17.8	0		
5	QPSK	1	12	16.86	16.93	16.77						
5	QPSK	1	24	16.79	16.91	16.78			17.8	0		
5	QPSK	1	48	16.84	16.91	16.76						
5	QPSK	12	7	16.82	16.86	16.75			17.8	0		
5	QPSK	12	13	16.78	16.91	16.73						
5	QPSK	25	0	16.83	16.90	16.73			17.8	0		
5	16QAM	1	0	16.80	16.90	16.76						
5	16QAM	1	12	16.88	16.86	16.77			17.8	0		
5	16QAM	1	24	16.81	16.93	16.78						
5	16QAM	12	0	16.84	16.91	16.80			17.8	0		
5	16QAM	12	7	16.79	16.86	16.74						
5	16QAM	12	13	16.81	16.92	16.73			17.8	0		
5	16QAM	25	0	16.86	16.94	16.78						
5	64QAM	1	0	16.87	16.92	16.77			17.8	0		
5	64QAM	1	12	16.87	16.91	16.79						
5	64QAM	1	24	16.83	16.89	16.74			17.8	0		
5	64QAM	12	0	16.85	16.92	16.80						
5	64QAM	12	13	16.87	16.92	16.77			17.8	0		
5	64QAM	25	0	16.79	16.92	16.77						
5	256QAM	1	0	16.86	16.90	16.80			17.8	0		
5	256QAM	1	12	16.82	16.87	16.81						
5	256QAM	1	24	16.81	16.96	16.76			17.8	0		
5	256QAM	12	0	16.84	16.92	16.80						
5	256QAM	12	7	16.85	16.94	16.75			17.8	0		
5	256QAM	12	13	16.80	16.91	16.72						
5	256QAM	25	0	16.78	16.90	16.77			17.8	0		
Channel												
Frequency (MHz)												
3	QPSK	1	0	16.88	16.90	16.77			17.8	0		
3	QPSK	1	8	16.79	16.86	16.81						
3	QPSK	1	16	16.84	16.91	16.78			17.8	0		
3	QPSK	8	0	16.87	16.91	16.77						
3	QPSK	8	4	16.80	16.88	16.74			17.8	0		
3	QPSK	8	12	16.82	16.89	16.74						
3	QPSK	16	0	16.87	16.91	16.76			17.8	0		
3	QPSK	16	8	16.87	16.87	16.76						
3	QPSK	16	16	16.87	16.92	16.74			17.8	0		
3	16QAM	1	0	16.82	16.94	16.77						
3	16QAM	1	8	16.80	16.92	16.73			17.8	0		
3	16QAM	1	16	16.85	16.90	16.73						
3	16QAM	8	0	16.86	16.89	16.76			17.8	0		
3	16QAM	8	4	16.80	16.90	16.74						
3	16QAM	8	12	16.81	16.91	16.72			17.8	0		
3	16QAM	16	0	16.86	16.90	16.77						
3	16QAM	16	8	16.87	16.91	16.75			17.8	0		
3	16QAM	16	16	16.84	16.90	16.74						
3	64QAM	1	0	16.84	16.87	16.78			17.8	0		
3	64QAM	1	8	16.81	16.94	16.77						
3	64QAM	1	16	16.82	16.88	16.73			17.8	0		
3	64QAM	8	0	16.87	16.87	16.80						
3	64QAM	8	4	16.80	16.94	16.75			17.8	0		
3	64QAM	8	12	16.85	16.89	16.78						
3	64QAM	16	0	16.86	16.94	16.78			17.8	0		
3	64QAM	16	8	16.80	16.94	16.75						
3	64QAM	16	16	16.86	16.88	16.78			17.8	0		
3	256QAM	1	0	16.90	16.92	16.72						
3	256QAM	1	8	16.87	16.91	16.73			17.8	0		
3	256QAM	1	16	16.87	16.92	16.74						
3	256QAM	8	0	16.84	16.86	16.72			17.8	0		
3	256QAM	8	4	16.80	16.94	16.74						
3	256QAM	8	12	16.85	16.92	16.73			17.8	0		
3	256QAM	16	0	16.82	16.87	16.80						
3	256QAM	16	8	16.88	16.93	16.72			17.8	0		
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	17.17	17.23	17.47.5			Time-up (dBm)	MRR (dB)		
1.4	QPSK	1	8	16.87	16.88	16.74			17.8	0		
1.4	QPSK	1	16	16.88	16.89	16.79						
1.4	QPSK	1	24	16.81	16.92	16.76			17.8	0		
1.4	QPSK	1	40	16.82	16.88	16.76						
1.4	QPSK	3	0	16.86	16.90	16.72			17.8	0		
1.4	QPSK	3	8	16.87	16.							



Band 17 Ant2 DS2i Simultaneous									
RF Mhz	Modulation	RF Bz (MHz)	RF Offset	Power (Watts) Ch1/Freq	Power (Watts) Ch2/Freq	Power (Watts) Ch3/Freq	Tx-to-tx offset (dBm)	MPR (dB)	
Channels									
10	QPSK	1	0	21.24	22.20	22.20			
10	QPSK	1	26	22.00	22.12	22.08		22.9	0
10	QPSK	25	0	21.62	21.77	21.68			
10	QPSK	25	12	21.53	21.64	21.59		22.9	
10	QPSK	25	26	21.68	21.81	21.75			
10	QPSK	50	0	21.54	21.60	21.54			
10	QPSK	1	0	22.08	22.10	22.12			
10	QPSK	1	26	22.04	22.06	22.05		22.9	0
10	QPSK	1	49	22.02	22.08	22.06			
10	QPSK	25	0	20.70	20.88	20.68			
10	QPSK	25	12	20.63	20.63	20.71		22	0.9
10	QPSK	25	26	20.63	20.76	20.68			
10	QPSK	50	0	20.63	20.65	20.63			
10	QPSK	1	26	21.15	21.25	21.21		22	0.9
10	QPSK	1	49	21.07	21.25	21.12			
10	QPSK	25	12	19.59	19.71	19.65		21	1.9
10	QPSK	25	26	19.64	19.73	19.64			
10	QPSK	50	0	17.48	17.58	17.50			
10	QPSK	1	0	17.43	17.38	17.43			
10	QPSK	1	26	17.40	17.34	17.32		19	3.9
10	QPSK	25	12	17.39	17.42	17.44			
10	QPSK	25	26	17.33	17.44	17.38		19	3.9
10	QPSK	50	0	17.39	17.42	17.44			
10	QPSK	1	49	17.38	17.42	17.40			
10	QPSK	50	0	17.42	17.38	17.48			
Channels									
				23959	23970	23955			
				23959	23959	23959			
5	QPSK	1	0	22.15	22.25	22.20			
5	QPSK	1	12	21.99	22.17	22.08		22.9	0
5	QPSK	12	0	21.64	21.73	21.68			
5	QPSK	12	7	21.54	21.62	21.58			
5	QPSK	12	21	21.67	21.75	21.71		22.9	0
5	QPSK	25	0	21.58	21.68	21.62			
5	QPSK	0	0	22.12	22.18	22.11			
5	QPSK	12	26	21.98	22.10	21.99		22.9	0
5	QPSK	25	0	21.48	21.58	21.53			
5	QPSK	12	0	20.72	20.88	20.86			
5	QPSK	25	12	20.66	20.71	20.68		22	0.9
5	QPSK	12	13	20.66	20.76	20.70			
5	QPSK	25	0	20.68	20.68	20.62			
5	QPSK	25	12	20.68	20.72	20.70			
5	QPSK	1	12	21.09	21.28	21.18		22	0.9
5	QPSK	1	24	21.09	21.28	21.11			
5	QPSK	12	0	19.92	19.99	19.96			
5	QPSK	12	7	19.87	19.96	19.91		21	1.9
5	QPSK	12	13	19.86	19.92	19.82			
5	QPSK	25	0	19.61	19.69	19.66			
5	QPSK	1	12	17.44	17.38	17.33		19	3.9
5	QPSK	1	12	17.41	17.42	17.42			
5	QPSK	12	0	17.34	17.34	17.31			
5	QPSK	12	7	17.37	17.42	17.40			
5	QPSK	12	13	17.41	17.47	17.45		19	3.9
5	QPS								

Band 26 Ant2 DS2E Simultaneous												
Ref	Modulation	RB Size	RB Offset	Power (Ch/Freq)	Power (Ch/Freq)	Power (Ch/Freq)	Time-off (min)	MNPS (dB)				
Channel												
Frequency (MHz)												
15	QPSK	1	0	21.28	21.49	21.25						
15	QPSK	37	21	21.21	21.30	21.17						
15	QPSK	38	21	21.29	21.33	21.28	22.7	0				
15	QPSK	36	0	21.13	21.30	21.17						
15	QPSK	30	0	21.29	21.28	21.28						
15	QPSK	39	0	21.29	21.28	21.28	22.7	0				
15	QPSK	75	0	21.32	21.34	21.19						
15	QPSK	77	21	21.27	21.30	21.27						
15	16QAM	1	74	21.16	21.49	21.16						
15	16QAM	36	0	20.98	20.37	20.34						
15	16QAM	39	0	20.98	20.37	20.34						
15	16QAM	36	59	20.53	20.43	20.34	22	0.7				
15	16QAM	75	0	20.58	20.41	20.36						
15	16QAM	1	50	20.58	20.41	20.36						
15	16QAM	1	37	20.64	20.50	20.50	22	0.7				
15	16QAM	1	74	20.52	20.45	20.44						
15	16QAM	36	59	19.48	19.47	19.47						
15	16QAM	36	20	19.53	19.55	19.51						
15	16QAM	36	59	19.53	19.55	19.51						
15	16QAM	36	59	19.54	19.48	19.48						
15	16QAM	1	0	17.71	17.59	17.60						
15	16QAM	1	74	17.55	17.64	17.64	19	3.7				
15	16QAM	36	59	17.68	17.67	17.67						
15	16QAM	36	0	17.63	17.67	17.55						
15	16QAM	36	0	17.60	17.67	17.61						
15	16QAM	36	59	17.60	17.67	17.61	19	3.7				
15	16QAM	75	0	17.59	17.72	17.58						
Channel												
Frequency (MHz)												
10	QPSK	1	0	21.20	21.41	21.19						
10	QPSK	26	0	21.12	21.20	21.13	22.7	0				
10	QPSK	27	0	21.28	21.29	21.27						
10	QPSK	26	0	21.04	21.33	21.05						
10	QPSK	25	0	21.20	21.19	21.21	22.7	0				
10	QPSK	50	0	21.17	21.28	21.13						
10	16QAM	1	0	21.27	21.27	21.17						
10	16QAM	25	0	21.12	21.12	21.12	22.7	0				
10	16QAM	1	49	21.11	21.37	21.10						
10	16QAM	25	0	20.48	20.31	20.55						
10	16QAM	25	0	20.32	20.32	20.32						
10	16QAM	25	26	20.48	20.34	20.21	22	0.7				
10	16QAM	50	0	20.51	20.35	20.46						
10	16QAM	1	26	20.52	20.32	20.46						
10	16QAM	1	26	20.45	20.40	20.45	22	0.7				
10	16QAM	25	12	19.49	19.36	19.49						
10	16QAM	25	12	19.43	19.48	19.54						
10	16QAM	25	12	19.49	19.36	19.49						
10	16QAM	25	0	17.67	17.48	17.54	21	1.7				
10	16QAM	1	25	17.47	17.68	17.68	19	3.7				
10	16QAM	25	12	17.68	17.67	17.67						
10	16QAM	25	12	17.53	17.66	17.53	19	3.7				
10	16QAM	25	12	17.68	17.67	17.67						
10	16QAM	25	0	17.54	17.67	17.54						
Channel												
Frequency (MHz)												
5	QPSK	1	0	21.18	21.42	21.17						
5	QPSK	12	0	21.12	21.21	21.08	22.7	0				
5	QPSK	13	0	21.28	21.29	21.28						
5	QPSK	12	0	21.04	21.33	21.05						
5	QPSK	12	7	21.24	21.20	21.20	22.7	0				
5	QPSK	13	0	21.19	21.28	21.17						
5	QPSK	25	0	21.22	21.28	21.12						
5	16QAM	1	0	21.23	21.29	21.18						
5	16QAM	1	24	21.23	21.27	21.17	22.7	0				
5	16QAM	1	24	21.05	21.37	21.11						
5	16QAM	12	0	20.49	20.31	20.34						
5	16QAM	25	0	20.49	20.31	20.34						
5	16QAM	12	13	20.44	20.34	20.34	22	0.7				
5	16QAM	25	0	20.48	20.32	20.31						
5	16QAM	1	24	20.48	20.49	20.49						
5	16QAM	1	24	20.56	20.42	20.42	22	0.7				
5	16QAM	12	7	19.49	19.47	19.45						
5	16QAM	12	13	19.48	19.50	19.47						
5	16QAM	25	0	19.53	19.43	19.43						
5	16QAM	25	0	17.65	17.47	17.50	21	1.7				
5	16QAM	12	7	17.47	17.60	17.60	19	3.7				
5	16QAM	12	13	17.50	17.60	17.60						
5	16QAM	12	0	17.57	17.62	17.62						
5	16QAM	12	7	17.51	17.62	17.62	19	3.7				
5	16QAM	25	0	17.58	17.67	17.67						
5	16QAM	25	0	17.64	17.67	17.52						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	21.24	21.43	21.23						
1.4	QPSK	1	3	21.12	21.20	21.08	22.7	0				
1.4	QPSK	1	8	21.21	21.26	21.19						
1.4	QPSK	1	14	21.29	21.30	21.27						
1.4	QPSK	8	4	21.21	21.21	21.21	22.7	0				
1.4	QPSK	16	7	21.17	21.17	21.14						
1.4	QPSK	16	7	21.17	21.17	21.14						
1.4	QPSK	16	7	21.17	21.17	21.14	22.7	0				
1.4	16QAM	1	0	21.28	21.28	21.19						
1.4	16QAM	1	8	21.18	21.21	21.16	22.7	0				
1.4	16QAM	1	14	21.28	21.30	21.21						
1.4	16QAM	8	4	21.28	21.28	21.21						
1.4	16QAM	16	0	20.50	20.32	20.31						
1.4	16QAM	16	0	20.48	20.31	20.33	22	0.7				
1.4	16QAM	16	0	20.48	20.31	20.33						
1.4	16QAM	16	0	20.50	20.30	20.41						
1.4	16QAM	16	0	20.44	20.48	20.38						
1.4	16QAM	16	0	20.44	20.44	20.41	22	0.7				
1.4	16QAM	1	14	20.46	20.38	20.47						
1.4	16QAM	8	0	19.48	19.32	19.45						
1.4	16QAM	8	0	19.53	19.36	19.45						
1.4	16QAM	8	7	19.45	19.49	19.59	21	1.7				
1.4	16QAM	16	0	19.54	19.41	19.79						
1.4	16QAM	16	0	17.64	17.62	17.52						
1.4	16QAM	8	14	17.51	17.58	17.58	19	3.7				
1.4	16QAM	8	14	17.51	17.58	17.58						
1.4	16QAM	8	14	17.51	17.58	17.58	19	3.7				
1.4	16QAM	15	7	17.59	17.62	17.62						
1.4	16QAM	15	7	17.56	17.64	17.52						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	21.24	21.43	21.23						
1.4	QPSK	1	3	21.12	21.20	21.08	22.7	0				
1.4	QPSK	1	8	21.21	21.26	21.19						
1.4	QPSK	1	14	21.29	21.30	21.27						
1.4	QPSK	8	4	21.21	21.21	21.21	22.7	0				
1.4	QPSK	16	7	21.17	21.17	21.14						
1.4	QPSK	16	7	21.17	21.17	21.14						
1.4	QPSK	16	7	21.17	21.17	21.14	22.7	0				
1.4	16QAM	1	0	21.28	21.28	21.19						
1.4	16QAM	1	8	21.19	21.21	21.14	22.7	0				
1.4	16QAM	1	14	21.28	21.30	21.21						
1.4	16QAM	8	4	21.28	21.28	21.21						
1.4	16QAM	16	0	20.53	20.38	20.30	22	0.7				
1.4	16QAM	16	0	20.61	20.48	20.34						
1.4	16QAM	16	0	20.62	20.42	20.42						
1.4	16QAM	1	8	20.46	20.32	20.33	22	0.7				
1.4	16QAM	1	8	20.46	20.32	20.33						
1.4	16QAM	1	8	20.48	20.34	20.34						
1.4	16QAM	8	0	19.54	19.41	19.80	21	1.7				
1.4	16QAM	8	0	17.64	17.49	17.52						
1.4	16QAM	1	3	17.49	17.67	17.61						
1.4	16QAM	1	5	17.52	17.66	17.66	19	3.7				
1.4	16QAM	1	5	17.61	17.61	17.61						
1.4	16QAM	1	5	17.51	17.62	17.51						
1.4	16QAM	1	5	17.62	17.62	17.55	19	3.7				
1.4	16QAM	1	5	17.62	17.62	17.55						

Band 66 Ant2 DS2i Simultaneous												
SW (MHz)	Modulation	RF Size	RF Chout	Power (Watts)	Power (dBm)	Power (dBm)	Power (dBm)	Turn-on (dBm)	MFR (dB)			
Channel				15922	15922	15922	15922					
5	QPSK	1	0	17.65	17.12	17.11						
5	QPSK	1	24	17.14	17.11	17.08		17.5	0			
5	QPSK	1	99	17.11	17.11	17.08						
5	QPSK	50	0	17.61	17.02	17.03						
5	QPSK	50	24	17.55	17.02	17.02		17.5	0			
5	QPSK	50	99	17.62	17.02	17.07						
5	QPSK	100	0	17.62	17.05	17.07						
5	QPSK	100	24	17.12	17.02	17.02		17.5	0			
5	16QAM	1	49	17.67	17.10	17.02		17.5	0			
5	16QAM	1	99	17.69	17.09	17.06						
5	16QAM	50	0	17.68	17.11	17.11						
5	16QAM	50	24	17.67	17.08	17.06						
5	16QAM	50	99	17.10	17.06	17.06						
5	16QAM	100	0	17.61	17.10	17.11						
5	16QAM	100	24	17.12	17.02	17.02		17.5	0			
5	16QAM	100	99	17.12	17.08	17.09						
5	25QAM	1	0	17.11	17.12	17.11						
5	25QAM	1	24	17.09	17.01	17.03						
5	25QAM	1	99	17.13	17.07	17.04						
5	25QAM	50	0	17.59	17.14	17.07						
5	25QAM	50	24	17.12	17.02	17.02		17.5	0			
5	25QAM	50	99	17.68	17.14	17.11						
5	25QAM	100	0	17.64	17.10	17.11						
Channel				15934	15932	15937		Turn-on (dBm)	MFR (dB)			
15	QPSK	1	0	17.19	17.14	17.15						
15	QPSK	1	24	17.10	17.02	17.05		17.5	0			
15	QPSK	1	74	17.04	17.04	17.07						
15	QPSK	36	0	17.63	17.04	16.96						
15	QPSK	36	24	17.04	17.09	17.07		17.5	0			
15	QPSK	36	99	17.61	17.01	17.05						
15	QPSK	75	0	16.99	16.96	16.96						
15	QPSK	75	24	17.05	17.02	17.07		17.5	0			
15	16QAM	1	37	16.98	17.05	17.01		17.5	0			
15	16QAM	36	0	17.03	17.02	17.02						
15	16QAM	36	24	17.00	17.03	17.01						
15	16QAM	36	99	16.97	16.98	16.98						
15	16QAM	75	0	17.07	17.04	17.05		17.5	0			
15	16QAM	75	24	17.08	17.04	17.05						
15	16QAM	1	0	17.67	17.02	17.05						
15	16QAM	1	24	17.54	17.02	17.05		17.5	0			
15	16QAM	1	74	17.09	17.01	16.98						
15	16QAM	36	0	17.11	17.03	17.00						
15	16QAM	36	24	17.00	17.03	17.03		17.5	0			
15	16QAM	36	99	17.03	17.08	16.96						
15	16QAM	75	0	17.02	17.08	17.08						
15	25QAM	1	0	17.08	17.08	17.08						
15	25QAM	1	37	17.12	17.03	16.94						
15	25QAM	36	0	17.01	17.01	17.01		17.5	0			
15	25QAM	36	24	17.00	17.03	17.03						
15	25QAM	36	99	16.99	17.02	17.03						
15	25QAM	75	0	17.08	17.10	17.10						
Channel				15939	15932	15942		Turn-on (dBm)	MFR (dB)			
30	QPSK	1	0	17.15	17.14	17.15						
30	QPSK	1	24	17.14	17.08	17.05		17.5	0			
30	QPSK	1	49	17.09	17.04	17.01						
30	QPSK	25	0	17.60	17.02	17.03						
30	QPSK	25	24	17.10	17.07	17.09		17.5	0			
30	QPSK	25	99	17.04	16.95	17.01						
30	16QAM	1	0	17.11	17.09	17.05						
30	16QAM	1	24	17.02	17.07	16.93		17.5	0			
30	16QAM	25	0	17.01	17.02	17.01						
30	16QAM	25	12	17.03	17.06	16.98						
30	16QAM	25	99	17.01	17.11	17.01						
30	16QAM	50	0	17.59	17.11	17.01						
30	16QAM	1	0	17.60	16.96	17.02						
30	16QAM	1	24	17.05	17.01	17.01		17.5	0			
30	16QAM	1	49	17.06	16.97	16.96						
30	16QAM	25	0	17.02	17.06	17.02						
30	16QAM	25	12	17.00	17.08	17.01						
30	16QAM	25	99	17.02	17.08	17.04						
30	25QAM	1	0	17.02	17.03	16.98						
30	25QAM	1	24	17.12	17.03	16.94						
30	25QAM	25	0	17.03	17.06	17.03		17.5	0			
30	25QAM	25	12	17.05	17.04	16.96						
30	25QAM	25	99	17.04	17.04	16.96						
30	25QAM	50	0	17.01	17.11	17.05						
Channel				15939	15932	15947		Turn-on (dBm)	MFR (dB)			
5	QPSK	1	0	17.09	17.12	17.05						
5	QPSK	1	12	17.67	17.08	17.04		17.5	0			
5	QPSK	1	24	17.55	17.03	17.03						
5	QPSK	12	0	17.63	17.05	17.03						
5	QPSK	12	12	17.63	17.03	16.97		17.5	0			
5	QPSK	12	24	17.03	17.08	17.03						
5	QPSK	25	0	16.95	17.01	17.00						
5	16QAM	1	0	17.62	17.03	17.04						
5	16QAM	1	12	17.06	17.09	17.02		17.5	0			
5	16QAM	12	0	17.08	17.04	16.98						
5	16QAM	12	12	17.07	17.05	17.01		17.5	0			
5	16QAM	12	24	17.01	17.01	17.05						
5	16QAM	25	0	17.10	17.05	17.06						
5	16QAM	25	12	17.08	17.06	16.96						
5	16QAM	25	99	17.01	17.08	17.03		17.5	0			
5	16QAM	1	24	17.03	17.02	17.04						
5	16QAM	12	0	17.06	17.02	17.02		17.5	0			
5	16QAM	12	7	17.04	17.12	17.06						
5	25QAM	1	0	17.00	17.03	17.02						
5	25QAM	1	12	17.09	17.02	16.92		17.5	0			
5	25QAM	12	0	17.03	17.03	17.03						
5	25QAM	12	6	17.05	17.06	17.05						
5	25QAM	12	12	17.04	17.05	16.99						
5	25QAM	12	24	17.06	17.03	17.01		17.5	0			
5	25QAM	25	0	17.10	17.09	17.07						
Channel				15915	15922	15927		Turn-on (dBm)	MFR (dB)			
3	QPSK	1	0	17.09	17.12	17.05						
3	QPSK	1	8	17.67	17.08	17.02		17.5	0			
3	QPSK	1	16	17.10	17.05	17.01						
3	QPSK	8	0	16.95	17.08	16.99						
3	QPSK	8	8	17.04	17.02	17.04		17.5	0			
3	QPSK	8	16	17.03	17.09	16.99						
3	QPSK	16	0	16.96	17.02	16.99						
3	16QAM	1	0	17.63	17.06	17.07						
3	16QAM	1	8	16.98	17.09	17.01		17.5	0			
3	16QAM	1	16	17.07	17.06	16.98						
3	16QAM	8	0	17.02	17.04	17.05						
3	16QAM	8	8	16.98	16.96	17.00		17.5	0			
3	16QAM	8	16	17.03	17.12	16.96						
3	16QAM	16	0	17.04	17.03	17.03						
3	16QAM	16	8	17.00	17.07	17.05		17.5	0			
3	25QAM	1	0	17.02	17.02	17.03						
3	25QAM	1	8	17.07	17.02	17.01		17.5	0			
3	25QAM	1	16	17.06	17.08	17.03						
3	25QAM	8	0	17.07	17.05	17.03						
3	25QAM	8	8	17.07	17.02	17.01		17.5	0			
3	25QAM	8	16	17.06	17.08	17.01						
3	25QAM	16	0	17.04	17.14	16.95						
Channel				17415	17415	17415		Turn-on (dBm)	MFR (dB)			
1.4	QPSK	1	0	17.10	17.14	17.05						
1.4	QPSK	1	8	17.08	17.12	17.06						
1.4	QPSK	1	16	17.09	17.03	16.94		17.5	0			
1.4	QPSK	3	0	17.00	17.01	16.97						
1.4	QPSK	3	8	16.97	17.02	17.04						
1.4	QPSK	3	16	17.08	17.05	17.03		17.5	0			
1.4	QPSK	16	0	17.01	17.07	17.01						
1.4	16QAM	1	0	17.06	17.07	16.96		17.5	0			
1.4	16QAM	1	8	17.02	17.02	17.02						
1.4	16QAM	1	16	17.05	17.03	16.99						
1.4	16QAM	3	0	17.07	17.14	17.02						
1.4	16QAM	3	8	17.05	17.04	17.05		17.5	0			
1.4	16QAM	3	16	17.06	17.08	17.01						

Band 42 FCC Ant4 DSI2 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990			
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	17.46	17.65	17.58	18.7	0	
20	QPSK	1	49	17.37	17.62	17.50			
20	QPSK	1	99	17.37	17.60	17.52			
20	QPSK	50	0	17.52	17.61	17.51	18.7	0	
20	QPSK	50	24	17.40	17.58	17.55			
20	QPSK	50	50	17.39	17.56	17.51			
20	QPSK	100	0	17.49	17.55	17.46	18.7	0	
20	16QAM	1	0	17.37	17.64	17.49			
20	16QAM	1	49	17.39	17.39	17.54			
20	16QAM	1	99	17.37	17.57	17.50	18.7	0	
20	16QAM	50	0	17.45	17.59	17.56			
20	16QAM	50	24	17.44	17.58	17.57			
20	16QAM	50	50	17.44	17.60	17.48	18.7	0	
20	16QAM	100	0	17.40	17.58	17.51			
20	64QAM	1	0	17.43	17.61	17.56			
20	64QAM	1	49	17.44	17.56	17.56	18.7	0	
20	64QAM	1	99	17.44	17.62	17.50			
20	64QAM	50	0	17.41	17.64	17.51			
20	64QAM	50	24	17.38	17.64	17.54	18.7	0	
20	64QAM	50	50	17.37	17.60	17.54			
20	64QAM	100	0	17.38	17.61	17.57			
20	256QAM	1	0	17.44	17.56	17.57	18.7	0	
20	256QAM	1	49	17.40	17.55	17.56			
20	256QAM	1	99	17.45	17.56	17.49			
20	256QAM	50	0	17.44	17.63	17.49	18.7	0	
20	256QAM	50	24	17.39	17.61	17.50			
20	256QAM	50	50	17.37	17.64	17.58			
20	256QAM	100	0	17.45	17.60	17.55			
Channel				42165	42590	43015			
Frequency (MHz)				3457.5	3500	3542.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	17.40	17.56	17.53	18.7	0	
15	QPSK	1	37	17.33	17.52	17.41			
15	QPSK	1	74	17.29	17.51	17.42			
15	QPSK	36	0	17.43	17.52	17.47	18.7	0	
15	QPSK	36	20	17.35	17.49	17.50			
15	QPSK	36	39	17.30	17.48	17.42			
15	QPSK	75	0	17.41	17.50	17.38	18.7	0	
15	16QAM	1	0	17.29	17.56	17.41			
15	16QAM	1	37	17.30	17.32	17.45			
15	16QAM	1	74	17.28	17.52	17.41	18.7	0	
15	16QAM	36	0	17.38	17.51	17.46			
15	16QAM	36	20	17.38	17.54	17.50			
15	16QAM	36	39	17.39	17.53	17.43	18.7	0	
15	16QAM	75	0	17.34	17.51	17.46			
15	64QAM	1	0	17.35	17.56	17.52			
15	64QAM	1	37	17.37	17.47	17.47	18.7	0	
15	64QAM	1	74	17.35	17.52	17.41			
15	64QAM	36	0	17.33	17.58	17.44			
15	64QAM	36	20	17.32	17.58	17.46	18.7	0	
15	64QAM	36	39	17.32	17.54	17.49			
15	64QAM	75	0	17.31	17.52	17.52			
15	256QAM	1	0	17.40	17.52	17.51	18.7	0	
15	256QAM	1	37	17.36	17.46	17.50			
15	256QAM	1	74	17.39	17.46	17.44			
15	256QAM	36	0	17.34	17.59	17.41	18.7	0	
15	256QAM	36	20	17.35	17.52	17.40			
15	256QAM	36	39	17.31	17.58	17.51			
15	256QAM	75	0	17.37	17.56	17.47			
Channel				42140	42590	43040			
Frequency (MHz)				3455	3500	3545	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	17.41	17.60	17.51	18.7	0	
10	QPSK	1	25	17.29	17.54	17.44			
10	QPSK	1	49	17.30	17.54	17.46			
10	QPSK	25	0	17.45	17.53	17.47	18.7	0	
10	QPSK	25	12	17.31	17.49	17.48			
10	QPSK	25	25	17.34	17.50	17.46			
10	QPSK	50	0	17.40	17.47	17.37	18.7	0	
10	16QAM	1	0	17.32	17.58	17.39			
10	16QAM	1	25	17.32	17.32	17.49			
10	16QAM	1	49	17.28	17.51	17.44	18.7	0	
10	16QAM	25	0	17.40	17.55	17.48			
10	16QAM	25	12	17.35	17.49	17.51			
10	16QAM	25	25	17.38	17.55	17.42	18.7	0	
10	16QAM	50	0	17.33	17.49	17.42			
10	64QAM	1	0	17.35	17.55	17.49			
10	64QAM	1	25	17.38	17.50	17.48	18.7	0	
10	64QAM	1	49	17.35	17.52	17.43			
10	64QAM	25	0	17.33	17.55	17.44			
10	64QAM	25	12	17.34	17.60	17.44	18.7	0	
10	64QAM	25	25	17.30	17.56	17.44			
10	64QAM	50	0	17.34	17.57	17.47			
10	256QAM	1	0	17.34	17.48	17.48	18.7	0	
10	256QAM	1	25	17.35	17.50	17.51			
10	256QAM	1	49	17.36	17.51	17.42			
10	256QAM	25	0	17.40	17.55	17.40	18.7	0	
10	256QAM	25	12	17.34	17.53	17.45			
10	256QAM	25	25	17.29	17.58	17.50			
10	256QAM	50	0	17.39	17.55	17.47			
Channel				42115	42590	43065			
Frequency (MHz)				3492.5	3500	3547.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	17.38	17.56	17.52	18.7	0	
5	QPSK	1	12	17.29	17.56	17.42			
5	QPSK	1	24	17.31	17.51	17.48			
5	QPSK	12	0	17.45	17.51	17.47	18.7	0	
5	QPSK	12	7	17.33	17.50	17.45			
5	QPSK	12	13	17.29	17.51	17.42			
5	QPSK	25	0	17.40	17.48	17.40	18.7	0	
5	16QAM	1	0	17.30	17.58	17.42			
5	16QAM	1	12	17.31	17.33	17.45			
5	16QAM	1	24	17.28	17.49	17.42	18.7	0	
5	16QAM	12	0	17.41	17.50	17.50			
5	16QAM	12	7	17.37	17.52	17.50			
5	16QAM	12	13	17.35	17.51	17.43	18.7	0	
5	16QAM	25	0	17.32	17.49	17.44			
5	64QAM	1	0	17.33	17.52	17.50			
5	64QAM	1	12	17.35	17.52	17.50	18.7	0	
5	64QAM	1	24	17.38	17.53	17.42			
5	64QAM	12	0	17.36	17.57	17.46			
5	64QAM	12	7	17.31	17.54	17.45	18.7	0	
5	64QAM	12	13	17.32	17.56	17.45			
5	64QAM	25	0	17.33	17.56	17.47			
5	256QAM	1	0	17.37	17.51	17.51	18.7	0	
5	256QAM	1	12	17.30	17.47	17.48			
5	256QAM	1	24	17.39	17.50	17.39			
5	256QAM	12	0	17.40	17.59	17.43	18.7	0	
5	256QAM	12	7	17.30	17.56	17.44			
5	256QAM	12	13	17.32	17.55	17.51			
5	256QAM	25	0	17.37	17.51	17.50			

Ant1 DS3 Simultaneous								
GSM850		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)		
TX Channel		128	169	251		128	169	251
Frequency (MHz)		824.2	836.4	848.8	Limit (dBm)	824.2	836.4	848.8
GSM 1 Tx slot		32.26	32.51	32.48	33.50	23.26	23.51	23.48
GPRS 1 Tx slot		32.34	32.64	32.66	33.50	23.34	23.64	23.66
GPRS 2 Tx slots		29.40	29.61	29.51	30.70	23.40	23.61	23.51
GPRS 3 Tx slots		27.61	27.77	27.46	28.90	23.35	23.51	23.20
GPRS 4 Tx slots		27.01	27.10	27.02	27.70	24.01	24.10	24.02
EDGE 1 Tx slot		24.51	24.56	24.78	25.00	15.51	15.56	15.78
EDGE 2 Tx slots		22.63	22.59	22.90	23.00	16.63	16.59	16.90
EDGE 3 Tx slots		21.18	21.06	21.39	21.50	16.92	16.80	17.13
EDGE 4 Tx slots		19.65	19.71	19.85	20.00	16.85	16.71	16.85

Ant1 DS3 Simultaneous								
GSM1900		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)		
TX Channel		512	661	810		512	661	810
Frequency (MHz)		1850.2	1880	1909.8	Limit (dBm)	1850.2	1880	1909.8
GSM 1 Tx slot		22.70	22.89	22.89	23.20	13.70	13.89	13.89
GPRS 1 Tx slot		22.75	23.06	23.02	23.20	13.75	14.06	14.02
GPRS 2 Tx slots		18.74	18.89	18.81	20.20	12.74	12.89	12.81
GPRS 3 Tx slots		18.06	17.90	18.19	18.40	13.80	13.64	13.93
GPRS 4 Tx slots		17.02	17.05	17.02	17.20	14.02	14.05	14.02
EDGE 1 Tx slot		21.96	22.21	22.28	23.20	12.95	13.21	13.28
EDGE 2 Tx slots		19.41	19.79	19.54	20.20	13.41	13.79	13.54
EDGE 3 Tx slots		17.69	17.94	17.67	18.40	13.43	13.68	13.41
EDGE 4 Tx slots		16.85	16.79	16.94	17.20	13.85	13.79	13.94

Band		Ant1 DS3 Simultaneous				Ant1 DS3 Simultaneous				Ant1 DS3 Simultaneous			
		WCDMA V			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938	Limit (dBm)	1537	1638	1738		4357	4407	4468	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	13.12	13.21	13.12	14.00	14.27	14.31	14.42	15.20	21.77	21.72	21.74	22.40
3GPP Rel 99	RMC 12.2Kbps	13.21	13.29	13.26	14.00	14.38	14.49	14.45	15.20	21.81	21.89	21.85	22.40
3GPP Rel 6	HSDPA Subtest-1	12.18	12.25	12.26	13.00	13.46	13.51	13.25	14.20	20.87	20.98	20.89	21.40
3GPP Rel 6	HSDPA Subtest-2	12.12	12.28	12.25	13.00	13.34	13.57	13.54	14.20	20.76	20.88	20.94	21.40
3GPP Rel 6	HSDPA Subtest-3	11.63	11.80	11.84	12.50	12.84	12.94	13.02	13.70	20.31	20.49	20.31	20.90
3GPP Rel 6	HSDPA Subtest-4	11.62	11.71	11.74	12.50	12.96	12.98	13.00	13.70	20.41	20.36	20.35	20.90
3GPP Rel 8	DC-HSDPA Subtest-1	12.30	12.31	12.19	13.00	13.44	13.47	13.42	14.20	20.76	20.80	20.85	21.40
3GPP Rel 8	DC-HSDPA Subtest-2	12.14	12.38	12.27	13.00	13.39	13.56	13.43	14.20	20.80	20.86	20.77	21.40
3GPP Rel 8	DC-HSDPA Subtest-3	11.77	11.70	11.77	12.50	12.80	13.04	12.93	13.70	20.29	20.41	20.36	20.90
3GPP Rel 8	DC-HSDPA Subtest-4	11.62	11.71	11.65	12.50	12.82	13.01	12.85	13.70	20.24	20.30	20.36	20.90
3GPP Rel 6	HSUPA Subtest-1	12.21	12.32	12.20	13.00	13.39	13.41	13.37	14.20	20.72	20.81	20.81	21.40
3GPP Rel 6	HSUPA Subtest-2	10.25	10.37	10.24	11.00	13.31	13.53	13.42	12.20	18.74	18.82	18.86	19.40
3GPP Rel 6	HSUPA Subtest-3	11.19	11.25	11.17	12.00	12.32	12.50	12.36	13.20	19.84	19.82	19.80	20.40
3GPP Rel 6	HSUPA Subtest-4	10.21	10.34	10.16	11.00	11.47	11.47	11.50	12.20	18.71	18.93	18.02	19.40
3GPP Rel 6	HSUPA Subtest-5	12.25	12.33	12.31	13.00	13.38	13.44	13.52	14.20	20.81	20.92	20.79	21.40

Band		Ant2 DS3 Simultaneous			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	22.39	22.37	22.37	23.50
3GPP Rel 99	RMC 12.2Kbps	22.39	22.49	22.41	23.50
3GPP Rel 6	HSDPA Subtest-1	21.46	21.51	21.39	22.50
3GPP Rel 6	HSDPA Subtest-2	21.49	21.48	21.37	22.50
3GPP Rel 6	HSDPA Subtest-3	20.87	21.03	20.97	22.00
3GPP Rel 6	HSDPA Subtest-4	20.89	21.01	20.98	22.00
3GPP Rel 8	DC-HSDPA Subtest-1	21.30	21.42	21.39	22.50
3GPP Rel 8	DC-HSDPA Subtest-2	21.33	21.42	21.42	22.50
3GPP Rel 8	DC-HSDPA Subtest-3	20.83	21.08	20.98	22.00
3GPP Rel 8	DC-HSDPA Subtest-4	20.95	20.96	20.83	22.00
3GPP Rel 6	HSUPA Subtest-1	21.46	21.47	21.44	22.50
3GPP Rel 6	HSUPA Subtest-2	19.34	19.46	19.51	20.50
3GPP Rel 6	HSUPA Subtest-3	20.32	20.54	20.48	21.50
3GPP Rel 6	HSUPA Subtest-4	19.42	19.47	19.48	20.50
3GPP Rel 6	HSUPA Subtest-5	21.37	21.54	21.35	22.50



Band 2 Ant1 DS13 Simultaneous																
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. 16500	Power Mid Ch./Freq. 16600	Power High Ch./Freq. 16650	Turn-up Init. (dB)	MFR (dB)								
Channel																
Frequency (MHz)																
20	QPSK	1	0	13.15	13.20	13.11			14.2	0						
20	QPSK	1	49	13.12	13.15	13.09										
20	QPSK	1	99	13.10	13.14	13.05			14.2	0						
20	QPSK	50	0	13.05	13.09	13.01										
20	QPSK	50	24	13.02	13.07	12.98			14.2	0						
20	QPSK	50	50	13.03	13.04	12.96										
20	QPSK	100	0	13.02	13.06	12.96			14.2	0						
20	16QAM	1	0	13.08	13.10	13.03										
20	16QAM	1	49	13.09	13.11	13.04			14.2	0						
20	16QAM	1	99	13.04	13.10	13.01										
20	16QAM	50	0	13.02	13.05	12.99			14.2	0						
20	16QAM	50	24	13.00	13.04	12.99										
20	16QAM	50	50	12.98	13.01	12.95			14.2	0						
20	16QAM	100	0	12.98	13.04	12.95										
20	84QAM	1	0	13.14	13.19	13.05			14.2	0						
20	84QAM	1	49	13.06	13.12	13.02										
20	84QAM	1	99	13.04	13.08	13.01			14.2	0						
20	84QAM	50	24	12.98	13.00	12.95										
20	84QAM	50	50	12.99	13.00	12.94			14.2	0						
20	84QAM	100	0	12.99	13.00	12.94										
20	256QAM	1	49	13.08	13.13	13.04			14.2	0						
20	256QAM	1	99	13.05	13.08	13.01										
20	256QAM	1	99	13.02	13.05	12.99			14.2	0						
20	256QAM	50	0	13.00	13.03	13.00										
20	256QAM	50	24	12.97	13.02	12.92			14.2	0						
20	256QAM	50	50	13.01	13.00	12.96										
20	256QAM	100	0	13.00	13.02	12.95			14.2	0						
Channel																
Frequency (MHz)																
16	QPSK	1	0	13.13	13.18	13.09					14.2	0				
16	QPSK	1	37	13.11	13.09	13.07										
16	QPSK	1	74	13.07	13.13	13.02			14.2	0						
16	QPSK	36	0	13.02	13.05	12.98										
16	QPSK	36	20	12.97	13.06	12.91			14.2	0						
16	QPSK	36	39	12.97	13.01	12.95										
16	QPSK	75	0	12.98	13.01	12.94			14.2	0						
16	16QAM	1	0	13.04	13.07	13.03										
16	16QAM	1	37	13.08	13.06	12.98			14.2	0						
16	16QAM	1	74	13.10	13.09	13.05										
16	16QAM	36	0	12.96	13.01	12.97			14.2	0						
16	16QAM	36	20	12.95	13.01	12.83										
16	16QAM	36	39	12.94	13.00	12.86			14.2	0						
16	16QAM	75	0	12.97	12.99	12.87										
16	84QAM	1	0	13.10	13.16	13.03			14.2	0						
16	84QAM	1	37	13.02	13.08	12.99										
16	84QAM	1	74	12.99	13.02	12.97			14.2	0						
16	84QAM	36	0	12.97	13.01	12.96										
16	84QAM	36	20	12.96	13.00	12.89			14.2	0						
16	84QAM	36	39	12.96	13.04	12.87										
16	84QAM	75	0	12.97	12.99	12.87			14.2	0						
16	84QAM	75	0	12.97	12.99	12.87										
16	256QAM	1	37	13.06	13.07	13.00			14.2	0						
16	256QAM	1	74	12.99	13.02	12.97										
16	256QAM	1	99	12.98	13.00	12.95			14.2	0						
16	256QAM	36	20	12.96	12.99	12.87										
16	256QAM	36	39	12.98	12.94	12.83			14.2	0						
16	256QAM	75	0	12.94	12.96	12.86										
Channel																
Frequency (MHz)																
16	QPSK	1	0	13.17	13.18	13.09			14.2	0						
16	QPSK	1	25	13.08	13.10	13.04										
16	QPSK	1	49	13.06	13.08	12.99			14.2	0						
16	QPSK	25	12	12.99	13.03	12.90										
16	QPSK	25	25	12.99	12.99	12.93			14.2	0						
16	QPSK	50	0	12.97	13.00	12.93										
16	16QAM	1	0	13.01	13.08	13.03			14.2	0						
16	16QAM	1	25	13.07	13.09	12.98										
16	16QAM	1	49	12.97	13.00	12.93			14.2	0						
16	16QAM	25	0	12.97	12.97	12.97										
16	16QAM	25	12	12.98	12.97	12.85			14.2	0						
16	16QAM	25	25	12.97	12.97	12.85										
16	16QAM	50	0	12.97	13.00	12.91			14.2	0						
16	84QAM	1	0	13.13	13.14	13.02										
16	84QAM	1	24	13.01	13.06	12.99			14.2	0						
16	84QAM	1	49	13.02	13.03	12.99										
16	84QAM	25	0	12.97	13.01	12.96			14.2	0						
16	84QAM	25	12	12.95	13.00	12.98										
16	84QAM	25	25	12.99	12.95	12.87			14.2	0						
16	84QAM	50	0	12.93	12.98	12.92										
16	84QAM	50	0	13.08	13.03	12.98			14.2	0						
16	256QAM	1	25	13.05	13.08	12.97										
16	256QAM	1	49	13.04	13.03	12.96			14.2	0						
16	256QAM	25	0	12.99	13.00	12.97										
16	256QAM	25	12	12.93	12.98	12.94			14.2	0						
16	256QAM	25	25	12.97	12.96	12.91										
Channel																
Frequency (MHz)																
5	QPSK	1	0	13.10	13.12	13.05			14.2	0						
5	QPSK	1	12	13.10	13.12	13.05										
5	QPSK	1	24	13.08	13.10	13.02			14.2	0						
5	QPSK	12	0	13.06	13.09	12.98										
5	QPSK	12	7	12.99	13.01	12.99			14.2	0						
5	QPSK	12	13	13.02	13.02	12.99										
5	QPSK	25	0	13.00	13.00	12.95			14.2	0						
5	16QAM	1	0	13.07	13.07	13.04										
5	16QAM	1	12	13.02	13.09	13.03			14.2	0						
5	16QAM	1	24	13.00	13.06	13.01										
5	16QAM	12	0	12.96	13.02	12.99			14.2	0						
5	16QAM	12	13	12.94	13.00	12.95										
5	16QAM	25	0	12.92	13.00	12.96			14.2	0						
5	16QAM	25	13	12.94	13.00	12.95										
5	84QAM	1	0	13.13	13.17	13.05			14.2	0						
5	84QAM	1	24	12.97	13.08	12.98										
5	84QAM	1	49	13.04	13.04	12.96			14.2	0						
5	84QAM	12	7	12.96	12.95	12.92										
5	84QAM	12	13	13.00	13.02	12.91			14.2	0						
5	84QAM	25	0	12.90	13.00	12.96										
5	84QAM	25	13	12.94	13.00	12.96			14.2	0						
5	84QAM	50	0	12.96	12.97	12.89										
5	256QAM	25	0	12.99	12.99	12.94			14.2	0						
5	256QAM	25	13	12.93	12.98	12.94										
Channel																
Frequency (MHz)																
3	QPSK	1	0	13.13	13.18	13.09			14.2	0						
3	QPSK	1	8	13.06	13.12	13.00										
3	QPSK	1	16	13.05	13.07	13.01			14.2	0						
3	QPSK	8	0	13.01	13.08	12.98										
3	QPSK	8	8	12.95	13.03	12.94			14.2	0						
3	QPSK	15	0	12.96	13.04	12.95										
3	16QAM	1	0	13.02	13.09	13.05			14.2	0						
3	16QAM	1	8	13.00	13.05	13.00										
3	16QAM	1	16	12.99	13.03	12.98			14.2	0						
3	16QAM	8	0	12.90	12.99	12.98										
3	16QAM	8	8	12.94	13.02	12.94			14.2	0						
3	16QAM	15	0	12.92	12.98	12.90										
3	84QAM	8	7	12.92	12.98	12.90			14.2	0						
3	84QAM	15	0	12.97	13.00	12.98										
3	84QAM	1	16	13.10	13.14	13.04			14.2	0						
3	84QAM	1	8	12.99	13.06	13.02										
3	84QAM	1	16	13.00	13.05	12.97			14.2	0						
3	84QAM	8	0	12.92	12.98	12.90										
3	84QAM	8	8	12.94	13.00	12.94			14.2	0						
3	84QAM	15	0	12.98	12.95	12.91										
3	256QAM	1	0	13.04	13.12	13.06			14.2	0						
3	256QAM	1	8	13.00	13.09	13.00										
3	256QAM	1	16	12.99	13.02	12.98			14.2	0						
3	256QAM	8	0	12.93	12.98	12.97										
3	256QAM	8	8	12.94	13.00	12.94			14.2	0						
3	256QAM	15	0	12.97	12.99	12.83										
Channel																
Frequency (MHz)																
1.4	QPSK	1	0	13.11	13.19	13.09			14.2	0						
1.4	QPSK	1	8	13.06	13.12	13.00										
1.4	QPSK	1	16	13.03	13.11	13.01			14.2	0						
1.4	QPSK	3	0	13.00	13.04	12.96										
1.4	QPSK	3	8	12.95	13.00	12.95			14.2	0						
1.4	QPSK	3	16	12.99	13.02	1										



Band 5 Ant1 DS13 Simultaneous														
BW [MHz]	Modulation	RB Size	RB Offset	Power Max Ch / Freq.	Power Low Ch / Freq.	Power High Ch / Freq.	Turn-up rate (dB)	MPR (dB)						
Channel														
Frequency (MHz)														
10	QPSK	1	0	22.55	22.62	22.49	23.7	0						
10	QPSK	1	25	22.48	22.57	22.43								
10	QPSK	1	49	22.52	22.58	22.44								
10	QPSK	25	0	21.97	22.04	21.87	23	0.7						
10	QPSK	25	12	21.90	21.95	21.83								
10	QPSK	25	25	21.91	21.97	21.82								
10	QPSK	50	0	21.88	21.95	21.77	23	0.7						
10	QPSK	50	1	21.96	22.03	21.90								
10	QPSK	1	25	21.86	21.90	21.85								
10	QPSK	1	49	21.89	21.95	21.87	22	1.7						
10	QPSK	25	0	20.97	20.99	20.96								
10	QPSK	25	12	20.92	20.97	20.92								
10	QPSK	25	25	20.94	20.97	20.92	22	1.7						
10	QPSK	50	0	20.27	20.40	20.17								
10	QPSK	50	1	20.28	20.50	20.07								
10	QPSK	1	25	20.86	20.90	20.85	22	1.7						
10	QPSK	1	49	20.90	20.97	20.82								
10	QPSK	25	0	19.38	19.41	19.25								
10	QPSK	25	12	19.28	19.33	19.21	21	2.7						
10	QPSK	25	25	19.31	19.37	19.22								
10	QPSK	50	0	19.26	19.29	19.17								
10	QPSK	1	25	19.35	19.39	19.30	19	4.7						
10	QPSK	1	49	17.86	17.92	17.82								
10	QPSK	25	12	17.89	17.95	17.85								
10	QPSK	25	25	17.89	17.95	17.84	19	4.7						
10	QPSK	50	0	17.83	17.92	17.89								
10	QPSK	50	1	17.83	17.92	17.89								
Channel														
Frequency (MHz)														
5	QPSK	1	0	22.48	22.55	22.41	23.7	0						
5	QPSK	1	12	22.40	22.50	22.36								
5	QPSK	1	24	22.44	22.51	22.37								
5	QPSK	12	0	21.93	21.98	21.82	23	0.7						
5	QPSK	12	7	21.80	21.86	21.74								
5	QPSK	12	13	21.83	21.93	21.73								
5	QPSK	25	0	21.79	21.80	21.79	23	0.7						
5	QPSK	25	1	21.88	21.97	21.83								
5	QPSK	1	12	21.77	21.91	21.78								
5	QPSK	1	24	21.85	21.92	21.79	22	1.7						
5	QPSK	12	0	20.27	20.39	20.18								
5	QPSK	12	7	20.28	20.36	20.12								
5	QPSK	25	0	20.20	20.32	20.11	22	1.7						
5	QPSK	25	1	20.83	20.96	20.82								
5	QPSK	25	12	20.79	20.90	20.86								
5	QPSK	1	24	20.83	20.97	20.74	21	2.7						
5	QPSK	12	0	19.32	19.33	19.26								
5	QPSK	12	13	19.34	19.37	19.24								
5	QPSK	12	13	19.36	19.37	19.17	19	4.7						
5	QPSK	25	0	19.22	19.34	19.11								
5	QPSK	25	1	19.20	19.32	19.10								
5	QPSK	1	12	17.95	17.97	17.97	19	4.7						
5	QPSK	1	24	17.88	17.88	17.88								
5	QPSK	12	0	17.93	17.93	17.93								
5	QPSK	12	7	17.91	17.92	17.90	19	4.7						
5	QPSK	12	13	17.92	17.89	17.89								
5	QPSK	25	0	17.77	17.78	17.66								
Channel														
Frequency (MHz)														
3	QPSK	1	0	22.51	22.55	22.43	23.7	0						
3	QPSK	1	8	22.40	22.50	22.34								
3	QPSK	1	14	22.46	22.47	22.38								
3	QPSK	8	0	21.87	21.92	21.79	23	0.7						
3	QPSK	8	7	21.85	21.89	21.78								
3	QPSK	8	7	21.85	21.88	21.73								
3	QPSK	1	8	21.87	21.90	21.83	23	0.7						
3	QPSK	1	8	21.87	21.90	21.83								
3	QPSK	1	8	21.87	21.90	21.78								
3	QPSK	1	8	21.87	21.90	21.86	22	1.7						
3	QPSK	8	0	20.28	20.30	20.19								
3	QPSK	8	0	20.23	20.31	20.17								
3	QPSK	8	7	20.25	20.30	20.15	21	2.7						
3	QPSK	15	0	20.20	20.33	20.12								
3	QPSK	1	0	20.92	20.97	20.80								
3	QPSK	1	8	20.82	20.94	20.80	22	1.7						
3	QPSK	1	8	20.82	20.94	20.77								
3	QPSK	8	0	19.29	19.35	19.16								
3	QPSK	8	4	19.21	19.29	19.14	21	2.7						
3	QPSK	8	7	19.24	19.30	19.13								
3	QPSK	15	0	19.17	19.29	19.12								
3	QPSK	8	0	18.00	17.97	18.01	19	4.7						
3	QPSK	1	14	17.91	17.98	17.94								
3	QPSK	8	0	17.90	17.91	17.91								
3	QPSK	8	4	17.91	17.88	18.01	19	4.7						
3	QPSK	8	7	17.95	17.92	18.00								
3	QPSK	15	0	17.73	17.78	17.83								
Channel														
Frequency (MHz)														
2.4	QPSK	1	0	22.41	22.52	22.44	23.7	0						
2.4	QPSK	1	3	22.41	22.48	22.37								
2.4	QPSK	1	5	22.43	22.46	22.38								
2.4	QPSK	3	0	21.88	21.94	21.82	23	0.7						
2.4	QPSK	3	3	21.85	21.89	21.78								
2.4	QPSK	3	3	21.81	21.92	21.73								
2.4	QPSK	1	0	21.82	21.89	21.71	23	0.7						
2.4	QPSK	1	0	21.80	21.97	21.86								
2.4	QPSK	1	3	21.76	21.90	21.75								
2.4	QPSK	1	3	21.80	21.90	21.78	23	0.7						
2.4	QPSK	3	0	21.82	21.88	21.74								
2.4	QPSK	3	1	21.82	21.97	21.72								
2.4	QPSK	1	0	20.22	20.30	20.10	22	1.7						
2.4	QPSK	1	0	20.83	20.95	20.78								
2.4	QPSK	1	3	20.80	20.95	20.78								
2.4	QPSK	1	5	20.81	20.89	20.75	22	1.7						
2.4	QPSK	3	0	20.22	20.28	20.15								
2.4	QPSK	3	0	20.22	20.39	20.15								
2.4	QPSK	3	0	20.24	20.29	20.13	21	2.7						
2.4	QPSK	6	0	19.21	19.29	19.10								
2.4	QPSK	6	0	19.24	19.15	19.38								
2.4	QPSK	1	3	17.95	17.97	17.99	19	4.7						
2.4	QPSK	1	5	17.87	17.87	17.87								
2.4	QPSK	1	5	18.01	17.92	18.01								
2.4	QPSK	3	1	17.94	17.85	17.94	19	4.7						
2.4	QPSK	3	1	17.95	17.91	17								



Band 26 Ant1 DS3 Simultaneous										Band 26 Ant2 DS3 Simultaneous										Band 66 Ant1 DS3 Simultaneous										Band 66 Ant2 DS3 Simultaneous															
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Turn-up time (sec)	MPR (dB)		BW (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Turn-up time (sec)	MPR (dB)		BW (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Turn-up time (sec)	MPR (dB)		BW (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Turn-up time (sec)	MPR (dB)							
Channel										Channel										Channel										Channel															
Frequency (MHz)										Frequency (MHz)										Frequency (MHz)										Frequency (MHz)															
15	QPSK	1	0	22.66	22.71	22.45	23.7	0		15	QPSK	1	0	22.38	22.46	22.35	23.5	0		20	QPSK	1	0	13.61	13.79	13.70	15.4	0		20	QPSK	1	0	15.49	15.59	15.53	16.8	0							
15	QPSK	1	37	22.65	22.48	22.45		0.7		15	QPSK	1	37	22.36	22.36	22.26		0.5		20	QPSK	1	49	13.55	13.72	13.67		15.4	0		20	QPSK	1	49	15.44	15.54		15.52	16.8	0					
15	QPSK	36	0	21.66	21.69	21.52		23		15	QPSK	36	0	21.38	22.06	21.89		23		20	QPSK	36	0	13.69	13.61	13.56		15.4	0		20	QPSK	36	0	15.44	15.47		15.40	16.8	0					
15	QPSK	36	26	21.59	21.58	21.60	23	0.7		15	QPSK	36	26	21.51	21.56	21.88	23	0.5		20	QPSK	36	24	13.56	13.56	13.52	15.4	0		20	QPSK	36	24	15.41	15.41	15.39	16.8	0							
15	QPSK	36	39	21.57	21.61	21.59			23		15	QPSK	36	39	21.58	21.59			21.67	23		20	QPSK	36	24	13.54		13.54	13.52	15.4	0		20	QPSK	36	24		15.38	15.42	15.39	16.8	0			
15	QPSK	75	0	21.58	21.66	21.59			23		15	QPSK	75	0	21.57	22.02			21.88	23		20	QPSK	75	0	13.58		13.59	13.49	15.4	0		20	QPSK	75	0		15.38	15.41	15.38	16.8	0			
15	QPSK	1	0	21.57	21.65	21.62	23	0.7		15	QPSK	1	0	21.86	21.66	21.76	23	0.5		20	QPSK	1	0	13.56	13.57	13.48	15.4	0		20	QPSK	1	0	15.40	15.47	15.47	16.8	0							
15	QPSK	1	37	21.65	21.61	21.76			23		15	QPSK	1	37	21.88	21.88			21.76	23		20	QPSK	1	39	13.54		13.57	13.48	15.4	0		20	QPSK	1	39		15.41	15.47	15.48	16.8	0			
15	QPSK	1	74	21.89	21.76	21.89			23		15	QPSK	1	74	21.88	21.89			21.73	23		20	QPSK	1	99	13.52		13.66	13.59	15.4	0		20	QPSK	1	99		15.39	15.53	15.49	16.8	0			
15	QPSK	36	0	20.84	20.89	20.51	22	1.7		15	QPSK	36	0	20.45	20.45	20.37	22	1.5		20	QPSK	36	0	13.53	13.49	13.49	15.4	0		20	QPSK	36	0	15.39	15.40	15.42	16.8	0							
15	QPSK	36	20	20.80	20.87	20.57			22		15	QPSK	36	20	20.41	20.46			20.36	22		20	QPSK	36	24	13.52		13.49	13.49	15.4	0		20	QPSK	36	24		15.38	15.39	15.34	16.8	0			
15	QPSK	75	0	20.76	20.86	20.59			22		15	QPSK	75	0	20.46	20.47			20.36	22		20	QPSK	75	0	13.50		13.54	13.48	15.4	0		20	QPSK	75	0		15.42	15.37	15.34	16.8	0			
15	QPSK	1	0	20.82	20.72	20.70	22	1.7		15	QPSK	1	0	20.88	20.55	20.89	22	1.5		20	QPSK	1	0	13.57	13.74	13.68	15.4	0		20	QPSK	1	0	15.43	15.23	15.22	16.8	0							
15	QPSK	1	37	20.83	20.70	20.89			22		15	QPSK	1	37	20.85	20.89			20.76	22		20	QPSK	1	49	13.50		13.71	13.62	15.4	0		20	QPSK	1	49		15.40	15.48	15.49	16.8	0			
15	QPSK	1	74	20.73	20.86	20.85			22		15	QPSK	1	74	20.84	20.93			20.74	22		20	QPSK	1	99	13.51		13.73	13.61	15.4	0		20	QPSK	1	99		15.37	15.53	15.47	16.8	0			
15	QPSK	36	0	19.84	19.62	19.53	21	2.7		15	QPSK	36	0	19.48	19.57	19.42	21	2.5		20	QPSK	36	0	13.57	13.59	13.52	15.4	0		20	QPSK	36	0	15.39	15.43	15.36	16.8	0							
15	QPSK	36	20	19.80	19.61	19.59			21		15	QPSK	36	20	19.39	19.47			19.35	21		20	QPSK	36	24	13.49		13.51	13.47	15.4	0		20	QPSK	36	24		15.36	15.36	15.37	16.8	0			
15	QPSK	75	0	19.81	19.67	19.52			21		15	QPSK	75	0	19.47	19.53			19.45	21		20	QPSK	75	0	13.54		13.54	13.46	15.4	0		20	QPSK	75	0		15.36	15.36	15.37	16.8	0			
15	QPSK	1	0	17.67	17.69	17.66	19	4.7		15	QPSK	1	0	17.68	17.64	17.62	19	4.5		20	QPSK	1	0	13.55	13.73	13.64	15.4	0		20	QPSK	1	0	15.45	15.67	15.60	16.8	0							
15	QPSK	1	37	17.84	17.83	17.81			19		15	QPSK	1	37	17.68	17.64			17.60	19		20	QPSK	1	39	13.51		13.70	13.60	15.4	0		20	QPSK	1	39		15.41	15.47	15.48	16.8	0			
15	QPSK	1	74	17.86	17.80	17.86			19		15	QPSK	1	74	17.66	17.70			17.62	19		20	QPSK	1	99	13.53		13.71	13.59	15.4	0		20	QPSK	1	99		15.38	15.50	15.48	16.8	0			
15	QPSK	36	27	17.80	17.82	17.84	19	4.7		15	QPSK	36	27	17.62	17.62	17.54	19	4.5		20	QPSK	36	24	13.58	13.60	13.54	15.4	0		20	QPSK	36	24	15.43	15.46	15.39	16.8	0							
15	QPSK	36	39	17.74	17.80	17.72			19		15	QPSK	36	39	17.62	17.66			17.57	19		20	QPSK	36	24	13.51		13.51	13.44	15.4	0		20	QPSK	36	24		15.39	15.42	15.39	16.8	0			
15	QPSK	75	0	17.71	17.73	17.64			19		15	QPSK	75	0	17.62	17.66			17.58	19		20	QPSK	75	0	13.51		13.56	13.49	15.4	0		20	QPSK	75	0		15.41	15.41	15.33	16.8	0			
15	QPSK	75	0	17.76	17.81	17.79	19	4.7		15	QPSK	75	0	17.62	17.74	17.58	19	4.5		20	QPSK	75	0	13.55	13.54	13.43	15.4	0		20	QPSK	75	0	15.31	15.36	15.35	16.8	0							
Channel										Channel										Channel										Channel															
Frequency (MHz)										Frequency (MHz)										Frequency (MHz)										Frequency (MHz)															
15	QPSK	1	0	22.68	22.71	22.45	23.7	0		15	QPSK	1	0	22.33	22.43	22.31	23.5	0		15	QPSK	1	0	13.56	13.77	13.68	15.4	0		15	QPSK	1	0	15.49	15.53	15.46	16.8	0							
15	QPSK	1	37	22.65	22.48	22.45		0.7		15	QPSK	1	37	22.30	22.30	22.26		0.5		15	QPSK	1	37	13.54	13.73	13.63		15.4	0		15	QPSK	1	37	15.44	15.49		15.43	16.8	0					
15	QPSK	36	0	21.66	21.69	21.52		23		15	QPSK	36	0	21.38	22.06	21.89		23		15	QPSK	36	0	13.69	13.61	13.56		15.4	0		15	QPSK	36	0	15.44	15.47		15.40	16.8	0					
15	QPSK	36	26	21.59	21.58	21.60	23	0.7		15	QPSK	36	26	21.51	21.56	21.78	23	0.5		20	QPSK	36	24	13.56	13.56	13.52	15.4	0		20	QPSK	36	24	15.41	15.41	15.39	16.8	0							
15	QPSK	36	39	21.57	21.61	21.59			23		15	QPSK	36	39	21.58	21.59			21.67	23		20	QPSK	36	24	13.54		13.54	13.52	15.4	0		20	QPSK	36	24		15.38	15.42	15.39	16.8	0			
15	QPSK	75	0	21.58	21.66	21.59			23		15	QPSK	75	0	21.57	22.02			21.88	23		20	QPSK	75	0	13.58		13.59	13.48	15.4	0		20	QPSK	75	0		15.38	15.41	15.38	16.8	0			
15	QPSK	1	0	21.57	21.65	21.62	23	0.7		15	QPSK	1	0	21.86	21.66	21.76	23	0.5		20	QPSK	1	0	13.56	13.57	13.48	15.4	0		20	QPSK	1	0	15.40	15.47	15.47	16.8	0							
15	QPSK	1	37	21.65	21.61	21.76			23		15	QPSK	1	37	21.88	21.88			21.76	23		20	QPSK	1	39	13.54		13.57	13.48	15.4	0		20	QPSK	1	39		15.41	15.47	15.48	16.8	0			
15	QPSK	1	74	21.89	21.76	21.89			23		15	QPSK	1	74	21.88	21.89			21.73	23		20	QPSK	1	99	13.52		13.66	13.59	15.4	0		20	QPSK	1	99		15.39	15.53	15.49	16.8	0			
15	QPSK	36	0	20.84	20.89	20.51	22	1.7		15	QPSK	36	0	20.45	20.45	20.37	22	1.5		20	QPSK	36	0	13.53	13.49	13.49	15.4	0		20	QPSK	36	0	15.39	15.40	15.42	16.8	0							
15	QPSK	36	20	20.80	20.87	20.57			22		15	QPSK	36	20	20.41	20.46			20.36	22		20	QPSK	36	24	13.52		13.49	13.49	15.4	0		20	QPSK	36	24		15.38	15.39	15.34	16.8	0			
15	QPSK	75	0	20.76	20.86	20.59			22		15	QPSK	75	0	20.46	20.47			20.36	22		20	QPSK	75	0	13.50		13.54	13.48	15.4	0		20	QPSK	75	0		15.42	15.37	15.34	16.8	0			
15	QPSK	1	0	20.82	20.72	20.70	22	1.7		15	QPSK	1	0	20.80	20.57	20.74	22	1.5		20	QPSK	1	0	13.48	13.65	13.57	15.4	0		20	QPSK	1	0	15.34	15.44	15.43	16.8	0							
15	QPSK	1	37	20.83	20.70	20.89			22		15	QPSK	1	37	20.85	20.89			20.76	22		20	QPSK	1	49	13.48		13.69	13.58	15.4															

Band 38- Ant1 PC3 DS13 Simultaneous										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch (Frac)	Power Middle Ch (Frac)	Power High Ch (Frac)	Tune-up Int (dBm)	MPR (dB)		
Channel										
Frequency (MHz)							2580	2595	2610	
20	QPSK	1	0	17.60	17.61	17.62	19.6	0		
20	QPSK	1	49	17.62	17.62	17.62				
20	QPSK	1	99	17.56	17.54	17.43				
20	QPSK	50	0	17.55	17.59	17.45	19.6	0		
20	QPSK	50	24	17.51	17.57	17.45				
20	QPSK	50	50	17.62	17.64	17.42				
20	QPSK	100	0	17.42	17.42	17.46	19.6	0		
20	16QAM	1	0	17.53	17.57	17.47				
20	16QAM	1	49	17.43	17.46	17.41				
20	16QAM	1	99	17.47	17.49	17.37	19.6	0		
20	16QAM	50	0	17.49	17.49	17.39				
20	16QAM	50	24	17.43	17.49	17.40				
20	16QAM	50	50	17.45	17.46	17.35	19.6	0		
20	16QAM	100	0	17.32	17.42	17.42				
20	64QAM	1	0	17.63	17.64	17.45				
20	64QAM	1	49	17.45	17.47	17.38	19.6	0		
20	64QAM	1	99	17.49	17.46	17.35				
20	64QAM	50	0	17.47	17.54	17.37				
20	64QAM	50	24	17.45	17.51	17.41	19.6	0		
20	64QAM	50	50	17.46	17.45	17.36				
20	64QAM	100	0	17.34	17.47	17.37				
20	256QAM	1	0	17.51	17.54	17.43	19	0.6		
20	256QAM	1	49	17.48	17.47	17.43				
20	256QAM	1	99	17.49	17.49	17.36				
20	256QAM	50	0	17.42	17.42	17.31	19	0.6		
20	256QAM	50	24	17.44	17.48	17.41				
20	256QAM	50	50	17.46	17.44	17.35				
20	256QAM	100	0	17.37	17.43	17.41	19	0.6		
Channel							2577.5	2595	2612.5	
Frequency (MHz)							2572.5	2595	2617.5	
15	QPSK	1	0	17.55	17.56	17.48	19.6	0		
15	QPSK	1	37	17.44	17.47	17.43				
15	QPSK	1	74	17.51	17.49	17.38				
15	QPSK	36	0	17.50	17.51	17.38	19.6	0		
15	QPSK	36	20	17.44	17.48	17.39				
15	QPSK	36	39	17.45	17.47	17.38				
15	QPSK	75	0	17.36	17.42	17.40	19.6	0		
15	16QAM	1	0	17.47	17.50	17.43				
15	16QAM	1	37	17.34	17.39	17.34				
15	16QAM	1	74	17.40	17.44	17.33	19.6	0		
15	16QAM	36	0	17.41	17.40	17.34				
15	16QAM	36	20	17.33	17.42	17.35				
15	16QAM	36	39	17.38	17.42	17.29	19.6	0		
15	16QAM	75	0	17.26	17.35	17.32				
15	64QAM	1	0	17.46	17.45	17.41				
15	64QAM	1	37	17.30	17.41	17.28	19.6	0		
15	64QAM	1	74	17.42	17.40	17.25				
15	64QAM	36	0	17.36	17.42	17.31				
15	64QAM	36	20	17.39	17.44	17.31	19.6	0		
15	64QAM	36	39	17.40	17.36	17.28				
15	64QAM	75	0	17.27	17.38	17.31				
15	256QAM	1	0	17.47	17.45	17.39	19	0.6		
15	256QAM	1	37	17.41	17.40	17.36				
15	256QAM	1	74	17.43	17.42	17.28				
15	256QAM	36	0	17.39	17.47	17.36	19	0.6		
15	256QAM	36	20	17.30	17.42	17.36				
15	256QAM	36	39	17.42	17.35	17.26				
15	256QAM	75	0	17.23	17.33	17.26	19	0.6		
Channel							37850	38000	38050	
Frequency (MHz)							2575	2595	2615	
10	QPSK	1	0	17.50	17.56	17.44	19.6	0		
10	QPSK	1	25	17.46	17.46	17.41				
10	QPSK	1	49	17.48	17.49	17.37				
10	QPSK	25	0	17.46	17.55	17.37	19.6	0		
10	QPSK	25	12	17.45	17.52	17.40				
10	QPSK	25	25	17.44	17.46	17.36				
10	QPSK	50	0	17.32	17.43	17.40	19.6	0		
10	16QAM	1	0	17.44	17.50	17.38				
10	16QAM	1	25	17.34	17.41	17.32				
10	16QAM	1	49	17.42	17.41	17.31	19.6	0		
10	16QAM	25	0	17.44	17.40	17.32				
10	16QAM	25	12	17.35	17.43	17.35				
10	16QAM	25	25	17.37	17.37	17.30	19.6	0		
10	16QAM	50	0	17.26	17.34	17.34				
10	64QAM	1	0	17.47	17.49	17.41				
10	64QAM	1	25	17.41	17.40	17.29	19.6	0		
10	64QAM	1	49	17.44	17.40	17.31				
10	64QAM	25	0	17.37	17.45	17.32				
10	64QAM	25	12	17.36	17.45	17.36	19.6	0		
10	64QAM	25	25	17.40	17.38	17.31				
10	256QAM	1	0	17.44	17.49	17.35				
10	256QAM	1	25	17.41	17.39	17.38	19	0.6		
10	256QAM	1	49	17.45	17.44	17.27				
10	256QAM	25	0	17.36	17.47	17.28				
10	256QAM	25	12	17.37	17.42	17.35	19	0.6		
10	256QAM	25	25	17.36	17.36	17.29				
10	256QAM	50	0	17.29	17.25	17.23				
Channel							3777.5	38000	38225	
Frequency (MHz)							2572.5	2595	2617.5	
5	QPSK	1	0	17.51	17.57	17.48	19.6	0		
5	QPSK	1	12	17.45	17.46	17.39				
5	QPSK	1	24	17.49	17.47	17.36				
5	QPSK	12	0	17.47	17.51	17.39	19.6	0		
5	QPSK	12	7	17.42	17.51	17.38				
5	QPSK	12	13	17.45	17.45	17.34				
5	QPSK	25	0	17.38	17.42	17.42	19.6	0		
5	16QAM	1	0	17.48	17.51	17.42				
5	16QAM	1	12	17.37	17.40	17.36				
5	16QAM	1	24	17.38	17.43	17.29	19.6	0		
5	16QAM	12	0	17.44	17.44	17.34				
5	16QAM	12	7	17.38	17.41	17.32				
5	16QAM	12	13	17.38	17.37	17.30	19.6	0		
5	16QAM	25	0	17.24	17.36	17.31				
5	64QAM	1	0	17.43	17.40	17.36				
5	64QAM	1	12	17.41	17.40	17.34	19.6	0		
5	64QAM	1	24	17.44	17.38	17.26				
5	64QAM	12	0	17.44	17.40	17.34				
5	64QAM	12	7	17.38	17.41	17.29	19.6	0		
5	64QAM	12	13	17.39	17.41	17.29				
5	64QAM	25	0	17.26	17.42	17.29				
5	256QAM	1	0	17.43	17.49	17.37	19	0.6		
5	256QAM	1	12	17.39	17.37	17.35				
5	256QAM	1	24	17.43	17.37	17.26				
5	256QAM	12	0	17.36	17.47	17.26	19	0.6		
5	256QAM	12	7	17.37	17.39	17.34				
5	256QAM	12	13	17.38	17.37	17.30				
5	256QAM	25	0	17.27	17.37	17.35	19	0.6		



Band 41 - Ant1 PC3 DS3 Simultaneous

BW [MHz]	Modulation	Channel	RB Size	RB Offset	Power Low Co. [Frac]	Power Low Middle Co. [Frac]	Power High Middle Co. [Frac]	Power High Co. [Frac]	Power High Mid-BW [dB]	Tune-up limit (dBm)	MPR (dB)
Channel											
Frequency (MHz)											
20	QPSK	1	0	2506	2548.5	2563	2636.5	2660			
20	QPSK	1	49	18.58	18.54	18.61	18.38	18.47		19.6	0
20	QPSK	1	99	18.51	18.48	18.52	18.33	18.38			
20	QPSK	50	0	18.38	18.49	18.52	18.41	18.44			
20	QPSK	50	24	18.32	18.43	18.46	18.32	18.36		19.6	0
20	QPSK	50	50	18.29	18.40	18.44	18.36	18.36			
20	QPSK	100	0	18.29	18.41	18.46	18.32	18.36			
20	16QAM	1	0	18.51	18.47	18.55	18.32	18.37		19.6	0
20	16QAM	1	49	18.48	18.45	18.44	18.24	18.25			
20	16QAM	1	99	18.41	18.40	18.46	18.26	18.32			
20	16QAM	50	0	18.33	18.43	18.44	18.37	18.36		19.6	0
20	16QAM	50	24	18.26	18.23	18.24	18.28	18.26			
20	16QAM	50	50	18.23	18.33	18.37	18.29	18.30			
20	16QAM	100	0	18.24	18.33	18.38	18.24	18.28			
20	64QAM	1	0	18.60	18.46	18.54	18.31	18.40		19.6	0
20	64QAM	1	49	18.49	18.45	18.47	18.23	18.38			
20	64QAM	1	99	18.44	18.42	18.46	18.27	18.29			
20	64QAM	50	0	18.29	18.40	18.43	18.34	18.36		19.6	0
20	64QAM	50	24	18.27	18.36	18.39	18.24	18.32			
20	64QAM	50	50	18.24	18.35	18.38	18.28	18.30			
20	64QAM	100	0	18.19	18.37	18.41	18.27	18.32			
20	256QAM	1	0	18.60	18.48	18.55	18.31	18.37		19	0.6
20	256QAM	1	49	18.43	18.41	18.46	18.21	18.33			
20	256QAM	1	99	18.45	18.40	18.43	18.25	18.37			
20	256QAM	50	0	18.27	18.38	18.41	18.30	18.36		19.6	0
20	256QAM	50	24	18.23	18.35	18.43	18.24	18.29			
20	256QAM	50	50	18.20	18.32	18.35	18.29	18.30			
20	256QAM	100	0	18.20	18.31	18.32	18.24	18.29			
Channel											
Frequency (MHz)											
15	QPSK	1	0	18.49	18.50	18.54	18.28	18.39		19.6	0
15	QPSK	1	37	18.46	18.45	18.47	18.22	18.36			
15	QPSK	1	74	18.42	18.39	18.45	18.20	18.33			
15	QPSK	36	0	18.29	18.44	18.45	18.35	18.38		19.6	0
15	QPSK	36	20	18.23	18.35	18.37	18.20	18.28			
15	QPSK	36	39	18.22	18.32	18.39	18.31	18.30			
15	QPSK	75	0	18.21	18.35	18.44	18.22	18.29		19.6	0
15	QPSK	75	1	18.20	18.30	18.37	18.25	18.28			
15	16QAM	1	37	18.41	18.41	18.35	18.17	18.25		19.6	0
15	16QAM	1	74	18.33	18.30	18.40	18.18	18.25			
15	16QAM	36	0	18.26	18.36	18.38	18.29	18.29		19.6	0
15	16QAM	36	20	18.15	18.27	18.32	18.15	18.25			
15	16QAM	36	39	18.18	18.28	18.30	18.21	18.23			
15	16QAM	75	0	18.20	18.29	18.30	18.19	18.24		19.6	0
15	16QAM	75	1	18.43	18.41	18.33	18.20	18.28			
15	64QAM	1	37	18.42	18.38	18.42	18.17	18.30		19.6	0
15	64QAM	1	74	18.34	18.37	18.36	18.22	18.22			
15	64QAM	36	0	18.24	18.34	18.35	18.25	18.26		19.6	0
15	64QAM	36	20	18.18	18.27	18.31	18.16	18.25			
15	64QAM	36	39	18.18	18.28	18.32	18.18	18.22			
15	64QAM	75	0	18.12	18.28	18.34	18.21	18.28		19.6	0
15	256QAM	1	0	18.40	18.43	18.45	18.20	18.25		19	0.6
15	256QAM	1	37	18.33	18.33	18.36	18.16	18.32			
15	256QAM	1	74	18.39	18.32	18.37	18.17	18.26			
15	256QAM	36	0	18.27	18.38	18.40	18.25	18.28		19.6	0
15	256QAM	36	20	18.19	18.31	18.36	18.19	18.22			
15	256QAM	36	39	18.13	18.24	18.27	18.22	18.25			
15	256QAM	75	0	18.12	18.28	18.34	18.20	18.25		19.6	0
Channel											
Frequency (MHz)											
10	QPSK	1	0	18.48	18.46	18.52	18.28	18.38		19.6	0
10	QPSK	1	49	18.47	18.43	18.48	18.26	18.29			
10	QPSK	25	0	18.29	18.45	18.42	18.35	18.36		19.6	0
10	QPSK	25	12	18.24	18.33	18.42	18.25	18.28			
10	QPSK	25	25	18.25	18.34	18.35	18.32	18.27		19.6	0
10	QPSK	50	0	18.24	18.35	18.41	18.25	18.29			
10	16QAM	1	0	18.45	18.37	18.50	18.25	18.28		19.6	0
10	16QAM	1	24	18.42	18.39	18.45	18.15	18.25			
10	16QAM	1	49	18.34	18.36	18.38	18.16	18.23			
10	16QAM	25	0	18.27	18.35	18.37	18.32	18.26		19.6	0
10	16QAM	25	12	18.15	18.27	18.30	18.15	18.25			
10	16QAM	25	25	18.15	18.24	18.31	18.22	18.24			
10	16QAM	50	0	18.20	18.27	18.29	18.15	18.18		19.6	0
10	64QAM	1	0	18.46	18.40	18.46	18.25	18.31			
10	64QAM	1	25	18.40	18.41	18.38	18.16	18.31		19.6	0
10	64QAM	1	49	18.38	18.37	18.41	18.23	18.19			
10	64QAM	25	0	18.25	18.34	18.36	18.26	18.26		19.6	0
10	64QAM	25	12	18.23	18.30	18.31	18.19	18.25			
10	64QAM	25	25	18.16	18.29	18.31	18.22	18.22			
10	64QAM	50	0	18.12	18.21	18.26	18.17	18.25		19.6	0
10	256QAM	1	0	18.44	18.39	18.49	18.22	18.31			
10	256QAM	1	25	18.36	18.31	18.41	18.11	18.32		19	0.6
10	256QAM	1	49	18.37	18.35	18.37	18.20	18.26			
10	256QAM	25	0	18.28	18.36	18.43	18.30	18.31		19.6	0
10	256QAM	25	12	18.19	18.28	18.33	18.17	18.19			
10	256QAM	25	25	18.11	18.23	18.27	18.22	18.26		19	0.6
10	256QAM	50	0	18.14	18.24	18.32	18.18	18.20			
Channel											
Frequency (MHz)											
5	QPSK	1	0	18.52	18.44	18.51	18.31	18.41		19.6	0
5	QPSK	1	12	18.44	18.41	18.45	18.23	18.34			
5	QPSK	1	24	18.45	18.42	18.43	18.28	18.34			
5	QPSK	12	0	18.31	18.45	18.46	18.33	18.34		19.6	0
5	QPSK	12	7	18.25	18.35	18.42	18.27	18.29			
5	QPSK	12	13	18.24	18.33	18.39	18.32	18.32			
5	QPSK	25	0	18.20	18.36	18.39	18.26	18.33		19.6	0
5	16QAM	1	0	18.43	18.42	18.46	18.23	18.31			
5	16QAM	1	12	18.41	18.37	18.40	18.15	18.25		19.6	0
5	16QAM	1	24	18.36	18.34	18.37	18.20	18.27			
5	16QAM	12	0	18.28	18.37	18.35	18.26	18.31		19.6	0
5	16QAM	12	7	18.19	18.24	18.33	18.19	18.21			
5	16QAM	12	13	18.17	18.27	18.30	18.21	18.25			
5	16QAM	25	0	18.20	18.28	18.34	18.17	18.21		19.6	0
5	64QAM	1	0	18.44	18.41	18.45	18.22	18.30			
5	64QAM	1	12	18.45	18.41	18.39	18.18	18.29			
5	64QAM	1	24	18.37	18.34	18.40	18.22	18.24		19.6	0
5	64QAM	12	0	18.26	18.33	18.35	18.28	18.27			
5	64QAM	12	7	18.19	18.30	18.32	18.18	18.26			
5	64QAM	12	13	18.19	18.28	18.34	18.18	18.25		19.6	0
5	64QAM	25	0	18.10	18.30	18.35	18.16	18.23			
5	256QAM	1	0	18.41	18.44	18.45	18.21	18.31		19	0.6
5	256QAM	1	12	18.34	18.33	18.37	18.13	18.32			
5	256QAM	1	24	18.40	18.33	18.34	18.15	18.24			
5	256QAM	12	0	18.26	18.37	18.40	18.20	18.26		19.6	0
5	256QAM	12	7	18.15	18.29	18.39	18.16	18.19			
5	256QAM	12	13	18.14	18.28	18.27	18.23	18.24			
5	256QAM	25	0	18.12	18.24	18.24	18.18	18.18		19.6	0

Band 41 - Ant1 PC2 DS3 Simultaneous

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Low Mid Ch. / Freq	Power High Mid Ch. / Freq	Power High Ch. / Freq	Power High Mid-BW	Tune-up limit (dBm)	MPR (dB)
Channel										
Frequency (MHz)										
	QPSK	1	0	39750	40185	40620	41055	41490		
	QPSK	1	0	2506	2549.5	2593	2637	2680.5		
20	QPSK	1	0	20.28	20.29	20.3	20.3	20.34	21.2	0
20	QPSK	1	49	20.29	20.22	20.29	20.04	20.15		
20	QPSK	1	99	20.25	20.23	20.31	20.06	20.17		
20	QPSK	1	99	20.19	20.3	20.15	20.2	20.13		
20	QPSK	50	24	20.11	20.02	20.23	20.11	20.06		
20	QPSK	50	50	20.12	20.01	20.18	20.08	20.04	21.2	0
20	QPSK	1	0	20.14	20.04	20.19	20.11	20.06		
20	QPSK	1	0	20.15	20.29	20.1	20.05	20.09		
20	16QAM	1	49	20.24	20.16	20.23	19.97	20.07	21.2	0
20	16QAM	1	99	20.17	20.15	20.25	19.98	20.07		
20	16QAM	50	24	20.13	20.05	20.2	19.97	20.03		
20	16QAM	50	24	20.07	19.93	20.15	19.9	20.02	21.2	0
20	16QAM	50	50	20.08	19.94	20.12	20.02	19.98		
20	16QAM	100	0	20.05	19.97	20.13	19.98	19.99		
20	64QAM	1	0	20.31	20.19	20.29	20.06	20.18		
20	64QAM	1	49	20.21	20.15	20.24	19.95	20.07	21.2	0
20	64QAM	1	99	20.16	20.14	20.23	19.99	20.12		
20	64QAM	50	24	20.15	20.05	20.2	19.97	20.03		
20	64QAM	50	24	20.04	19.95	20.15	20.0	20.0	21.2	0
20	64QAM	50	50	20.05	19.91	20.11	19.99	19.98		
20	256QAM	1	0	20.05	19.99	20.13	19.98	19.97		
20	256QAM	1	0	20.28	20.20	20.32	20.02	20.15		
20	256QAM	1	49	20.21	20.12	20.20	19.97	20.05	21.2	0
20	256QAM	1	99	20.21	20.16	20.24	20.01	20.12		
20	256QAM	50	24	20.14	20.07	20.15	19.98	20.02		
20	256QAM	50	24	20.01	19.97	20.18	20.06	20.04	21.2	0
20	256QAM	50	50	20.05	19.95	20.08	20.03	19.96		
20	256QAM	100	0	20.01	19.95	20.13	19.98	19.98		
Channel										
Frequency (MHz)										
	QPSK	1	0	39725	40173	40602	41036	41471.5	Tune-up limit (dBm)	MPR (dB)
	QPSK	1	0	2553.5	2548.3	2593	2578.4	2623.5		
15	QPSK	1	0	20.27	20.23	20.30	20.03	20.18		
15	QPSK	1	37	20.17	20.13	20.22	19.98	20.09	21.2	0
15	QPSK	1	74	20.15	20.15	20.26	19.97	20.08		
15	QPSK	36	0	20.14	20.06	20.22	20.11	20.05		
15	QPSK	36	36	20.05	19.93	20.15	19.97	20.02		
15	QPSK	36	36	20.05	19.92	20.09	20.0	19.95		
15	QPSK	75	0	20.10	19.97	20.14	20.06	20.01		
15	16QAM	1	0	20.24	20.14	20.24	20.14	20.18		
15	16QAM	1	37	20.19	20.11	20.14	19.92	19.97		
15	16QAM	1	74	20.07	20.07	20.16	19.91	20.03		
15	16QAM	36	0	20.06	19.97	20.14	20.03	20.01		
15	16QAM	36	36	20.02	19.84	20.14	19.98	19.98		
15	16QAM	36	36	20.04	19.87	20.07	19.90	19.91	21.2	0
15	16QAM	75	0	19.98	19.90	20.05	19.94	19.94		
15	64QAM	1	0	20.26	20.11	20.19	20.01	20.11		
15	64QAM	1	37	20.14	20.10	20.19	19.90	19.97		
15	64QAM	1	74	20.10	20.09	20.17	19.92	20.04		
15	64QAM	36	0	20.02	20.01	20.17	20.01	19.96		
15	64QAM	36	36	20.02	19.86	20.15	19.95	19.95		
15	64QAM	36	36	19.96	19.85	20.06	19.83	19.89	21.2	0
15	64QAM	75	0	19.99	19.93	20.08	19.94	19.91		
15	256QAM	1	0	20.24	20.16	20.25	20.07	20.17		
15	256QAM	1	37	20.13	20.03	20.10	19.92	19.98	21.2	0
15	256QAM	1	74	20.16	20.07	20.17	19.93	20.08		
15	256QAM	36	0	20.05	20.00	20.12	20.04	20.00		
15	256QAM	36	36	19.97	19.88	20.12	19.92	19.92		
15	256QAM	36	36	19.96	19.90	20.00	19.87	19.87	21.2	0
15	256QAM	75	0	19.98	19.93	20.06	20.00	19.93		
Channel										
Frequency (MHz)										
	QPSK	1	0	2501	2547	2593	2639	2685		
10	QPSK	1	0	20.28	20.25	20.28	20.07	20.18		
10	QPSK	1	49	20.21	20.17	20.19	19.98	20.09	21.2	0
10	QPSK	1	49	20.16	20.16	20.22	20.01	20.09		
10	QPSK	25	0	20.14	20.03	20.23	20.09	20.08		
10	QPSK	25	12	20.05	19.95	20.15	20.05	19.99		
10	QPSK	25	12	20.19	19.92	20.17	19.97	19.97	21.2	0
10	QPSK	50	0	20.05	19.96	20.14	20.07	19.97		
10	16QAM	1	0	20.21	20.12	20.23	19.94	20.10		
10	16QAM	1	25	20.15	20.11	20.18	19.98	20.08		
10	16QAM	1	49	20.12	20.09	20.16	19.89	20.01		
10	16QAM	25	0	20.05	19.97	20.18	20.04	20.04		
10	16QAM	25	12	20.00	19.84	20.12	19.83	19.88	21.2	0
10	16QAM	25	12	20.05	19.85	20.04	19.89	19.89		
10	16QAM	50	0	19.97	19.88	20.04	19.87	19.92		
10	16QAM	1	0	20.27	20.14	20.22	19.98	20.13		
10	64QAM	1	0	20.14	20.15	20.17	19.97	20.02	21.2	0
10	64QAM	1	49	20.08	20.08	20.18	19.94	20.06		
10	64QAM	25	0	20.06	20.00	20.18	20.03	19.97		
10	64QAM	25	12	19.98	19.87	20.10	19.89	19.86		
10	64QAM	25	12	19.95	19.89	20.05	19.89	19.89	21.2	0
10	64QAM	50	0	19.98	19.90	20.07	19.96	19.92		
10	256QAM	1	0	20.18	20.15	20.27	19.96	20.10		
10	256QAM	1	25	20.12	20.06	20.11	19.96	19.98		
10	256QAM	1	49	20.16	20.08	20.17	19.96	20.04	21.2	0
10	256QAM	25	0	20.07	20.02	20.11	20.05	19.96		
10	256QAM	25	12	19.96	19.87	20.10	19.93	19.93	21.2	0
10	256QAM	25	12	19.95	19.89	19.99	19.93	19.91		
10	256QAM	50	0	19.96	19.93	20.04	19.98	19.88		
Channel										
Frequency (MHz)										
	QPSK	1	0	20.29	20.24	20.33	20.03	20.16		
5	QPSK	1	12	20.19	20.17	20.23	19.98	20.09	21.2	0
5	QPSK	1	24	20.17	20.14	20.21	19.98	20.10		
5	QPSK	12	0	20.14	20.07	20.21	20.14	20.06		
5	QPSK	12	7	20.05	19.97	20.13	20.02	20.00	21.2	0
5	QPSK	12	13	20.07	19.92	20.08	19.99	19.94		
5	QPSK	25	0	20.08	19.96	20.13	20.06	19.98		
5	16QAM	1	0	20.25	20.12	20.24	19.95	20.07		
5	16QAM	1	12	20.14	20.08	20.18	19.88	19.98		
5	16QAM	1	24	20.12	20.05	20.16	19.95	20.01	21.2	0
5	16QAM	12	0	20.06	19.97	20.16	19.99	20.00		
5	16QAM	12	7	19.99	19.89	20.13	19.98	19.91		
5	16QAM	12	13	20.04	19.87	20.08	19.94	19.90	21.2	0
5	64QAM	1	0	20.19	20.19	20.27	20.05	19.99		
5	64QAM	1	0	20.27	20.14	20.23	19.96	20.12		
5	64QAM	1	12	20.15	20.10	20.18	19.91	19.98		
5	64QAM	1	24	20.12	20.05	20.18	19.95	20.04		
5	64QAM	12	0	20.06	19.95	20.15	20.02	19.99		
5	64QAM	12	7	19.99	19.88	20.11	19.97	19.95	21.2	0
5	64QAM	12	13	19.92	19.87	20.04	19.98	19.89		
5	256QAM	1	0	20.21	20.12	20.26	19.92	20.05		
5	256QAM	1	12	20.14	20.03	20.13	19.89	19.99	21.2	0
5	256QAM	1	24	20.12	20.05	20.14	19.95	20.07		
5	256QAM	12	0	20.05	19.98	20.12	20.04	19.96		
5	256QAM	12	13	19.92	19.88	20.09	20.0	19.95		
5	256QAM	12	13	19.97	19.91	19.99	19.95	19.90	21.2	0
5	256QAM	25	0	19.95	19.91	20.07	19.93	19.93		

Ant1 DS18 Simultaneous									
		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
		128	189	251		128	189	251	
TX Channel		824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)									
GSM 1 Tx slot		32.26	32.51	32.48	33.50	23.26	23.51	23.48	24.50
GPRS 1 Tx slot		32.34	32.64	32.66	33.50	23.34	23.64	23.66	24.50
GPRS 2 Tx slots		29.44	29.52	29.49	31.10	23.44	23.52	23.49	25.10
GPRS 3 Tx slots		27.81	27.85	27.69	29.30	23.55	23.59	23.43	25.04
GPRS 4 Tx slots		27.52	27.43	27.60	28.00	24.52	24.43	24.60	25.00
EDGE 1 Tx slot		24.51	24.56	24.78	25.00	15.51	15.56	15.78	16.00
EDGE 2 Tx slots		22.63	22.59	22.90	23.00	16.63	16.59	16.90	17.00
EDGE 3 Tx slots		21.18	21.06	21.39	21.50	16.92	16.80	17.13	17.24
EDGE 4 Tx slots		19.85	19.71	19.85	20.00	16.65	16.71	16.85	17.00

Ant1 DS18 Simultaneous									
		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)									
GSM 1 Tx slot		28.15	28.18	28.30	28.50	19.15	19.18	19.30	19.50
GPRS 1 Tx slot		28.22	28.29	28.36	28.50	19.22	19.29	19.36	19.50
GPRS 2 Tx slots		24.55	24.59	24.51	25.50	18.55	18.59	18.51	19.50
GPRS 3 Tx slots		23.44	23.35	23.45	23.70	19.18	19.09	19.19	19.44
GPRS 4 Tx slots		22.21	22.26	22.17	22.50	19.21	19.26	19.17	19.50
EDGE 1 Tx slot		25.18	25.47	25.51	26.50	16.18	16.47	16.51	17.50
EDGE 2 Tx slots		24.26	24.55	24.27	25.00	18.26	18.55	18.27	19.00
EDGE 3 Tx slots		22.83	23.06	22.85	23.50	18.57	18.80	18.59	19.24
EDGE 4 Tx slots		21.15	21.41	21.17	21.50	18.15	18.41	18.17	18.50

Ant1 DS18 Simultaneous									
		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
		9262	9460	9638		1312	1413	1513	
TX Channel		9682	9800	9938		1537	1638	1738	
Rx Channel		1852.4	1880	1907.6		1712.4	1732.6	1759.6	
Frequency (MHz)									
3GPP Rel 99 AMR 12.2Kbps		18.15	18.26	18.12	19.50	18.27	18.35	18.28	19.20
3GPP Rel 99 RMC 12.2Kbps		18.24	18.29	18.19	19.50	18.39	18.49	18.47	19.20
3GPP Rel 6 HSDPA Subtest-1		17.28	17.20	17.12	18.50	17.36	17.54	17.38	18.20
3GPP Rel 6 HSDPA Subtest-2		17.24	17.22	17.24	18.50	17.44	17.51	17.55	18.20
3GPP Rel 6 HSDPA Subtest-3		16.68	16.83	16.66	18.00	16.80	16.90	16.90	17.70
3GPP Rel 6 HSDPA Subtest-4		16.84	16.78	16.67	18.00	16.98	16.94	16.98	17.70
3GPP Rel 8 DC-HSDPA Subtest-1		17.25	17.39	17.10	18.50	17.40	17.49	17.39	18.20
3GPP Rel 8 DC-HSDPA Subtest-2		17.25	17.38	17.28	18.50	17.31	17.56	17.54	18.20
3GPP Rel 8 DC-HSDPA Subtest-3		16.71	16.81	16.67	18.00	16.95	16.90	17.03	17.70
3GPP Rel 8 DC-HSDPA Subtest-4		16.75	16.85	16.74	18.00	16.82	17.06	16.99	17.70
3GPP Rel 6 HSUPA Subtest-1		17.33	17.26	17.29	18.50	17.39	17.40	17.55	18.20
3GPP Rel 6 HSUPA Subtest-2		15.20	15.29	15.12	16.50	15.29	15.52	15.52	16.20
3GPP Rel 6 HSUPA Subtest-3		16.28	16.33	16.12	17.50	16.42	16.52	16.39	17.20
3GPP Rel 6 HSUPA Subtest-4		15.17	15.37	15.27	16.50	15.46	15.54	15.47	16.20
3GPP Rel 6 HSUPA Subtest-5		17.28	17.34	17.12	18.50	17.40	17.54	17.57	18.20

Ant1 DS18 Simultaneous									
		WCDMA V			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
		4132	4192	4233		4357	4407	4468	
TX Channel		4367	4407	4468		4367	4407	4468	
Rx Channel		836.4	836.4	846.6		836.4	836.4	846.6	
Frequency (MHz)									
3GPP Rel 99 AMR 12.2Kbps		22.35	22.28	22.13	22.70	22.35	22.28	22.13	22.70
3GPP Rel 99 RMC 12.2Kbps		22.39	22.42	22.27	22.70	22.39	22.42	22.27	22.70
3GPP Rel 6 HSDPA Subtest-1		21.38	21.44	21.26	21.70	21.38	21.44	21.26	21.70
3GPP Rel 6 HSDPA Subtest-2		21.32	21.35	21.27	21.70	21.32	21.35	21.27	21.70
3GPP Rel 6 HSDPA Subtest-3		20.99	20.94	20.67	21.20	20.99	20.94	20.67	21.20
3GPP Rel 6 HSDPA Subtest-4		20.86	20.95	20.69	21.20	20.86	20.95	20.69	21.20
3GPP Rel 8 DC-HSDPA Subtest-1		21.42	21.35	21.21	21.70	21.42	21.35	21.21	21.70
3GPP Rel 8 DC-HSDPA Subtest-2		21.52	21.52	21.26	21.70	21.52	21.52	21.26	21.70
3GPP Rel 8 DC-HSDPA Subtest-3		20.90	20.82	20.82	21.20	20.90	20.82	20.82	21.20
3GPP Rel 8 DC-HSDPA Subtest-4		20.80	20.87	20.68	21.20	20.80	20.87	20.68	21.20
3GPP Rel 6 HSUPA Subtest-1		21.45	21.51	21.29	21.70	21.45	21.51	21.29	21.70
3GPP Rel 6 HSUPA Subtest-2		19.44	19.51	19.22	19.70	19.44	19.51	19.22	19.70
3GPP Rel 6 HSUPA Subtest-3		20.39	20.38	20.20	20.70	20.39	20.38	20.20	20.70
3GPP Rel 6 HSUPA Subtest-4		19.29	19.49	19.22	19.70	19.29	19.49	19.22	19.70
3GPP Rel 6 HSUPA Subtest-5		21.34	21.40	21.23	21.70	21.34	21.40	21.23	21.70



Band 2 Ant1 DS16 Simultaneous														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up time (sec)	MFR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	18.33	18.33	18.22	20	0						
20	QPSK	1	49	18.27	18.27	18.27								
20	QPSK	1	99	18.29	18.35	18.17								
20	QPSK	50	0	18.31	18.34	18.21								
20	QPSK	50	24	18.31	18.31	18.31	20	0						
20	QPSK	50	50	18.30	18.33	18.18								
20	QPSK	100	0	18.31	18.35	18.11								
20	16QAM	50	0	18.28	18.30	18.18								
20	16QAM	1	49	18.24	18.30	18.15	20	0						
20	16QAM	1	99	18.27	18.31	18.14								
20	16QAM	50	0	18.26	18.30	18.18								
20	16QAM	50	24	18.26	18.31	18.12								
20	16QAM	50	50	18.26	18.30	18.16	20	0						
20	16QAM	100	0	18.29	18.30	18.19								
20	64QAM	1	0	18.29	18.34	18.19								
20	64QAM	1	49	18.24	18.31	18.12								
20	64QAM	1	99	18.24	18.30	18.13	20	0						
20	64QAM	50	0	18.26	18.30	18.19								
20	64QAM	50	24	18.27	18.30	18.13								
20	64QAM	50	50	18.25	18.30	18.14								
20	64QAM	100	0	18.28	18.29	18.28	20	0						
20	64QAM	100	0	18.27	18.30	18.14								
20	256QAM	1	49	17.92	18.04	17.82								
20	256QAM	1	99	17.96	17.88	17.84								
20	256QAM	50	0	17.99	17.95	17.90	19	1						
20	256QAM	50	24	17.95	18.02	17.85								
20	256QAM	50	50	17.96	17.86	17.81								
20	256QAM	100	0	17.94	17.95	17.94								
Channel														
Frequency (MHz)														
18	QPSK	1	0	18.33	18.37	18.17	20	0						
18	QPSK	1	37	18.24	18.35	18.15								
18	QPSK	1	74	18.25	18.31	18.11								
18	QPSK	36	0	18.30	18.30	18.30								
18	QPSK	36	25	18.27	18.31	18.12	20	0						
18	QPSK	36	39	18.24	18.29	18.14								
18	QPSK	75	0	18.28	18.31	18.09								
18	16QAM	1	0	18.23	18.33	18.15								
18	16QAM	1	37	18.23	18.30	18.13	20	0						
18	16QAM	1	74	18.24	18.30	18.14								
18	16QAM	36	0	18.21	18.25	18.12								
18	16QAM	36	25	18.20	18.31	18.09								
18	16QAM	75	0	18.24	18.31	18.08	20	0						
18	64QAM	1	0	18.24	18.31	18.15								
18	64QAM	1	37	18.23	18.29	18.07								
18	64QAM	1	74	18.23	18.30	18.11								
18	64QAM	36	0	18.23	18.27	18.19	20	0						
18	64QAM	36	25	18.26	18.28	18.08								
18	64QAM	36	39	18.21	18.25	18.15								
18	64QAM	75	0	18.25	18.24	18.06								
18	256QAM	1	0	17.93	17.94	17.93	19	1						
18	256QAM	1	37	17.91	18.02	17.81								
18	256QAM	1	74	17.92	17.87	17.78								
18	256QAM	36	0	17.96	17.93	17.86								
18	256QAM	36	25	17.90	18.00	17.84	19	1						
18	256QAM	36	39	17.85	17.83	17.78								
18	256QAM	75	0	17.90	17.90	17.90								
Channel														
Frequency (MHz)														
18	QPSK	1	0	18.33	18.36	18.16	20	0						
18	QPSK	1	12	18.24	18.30	18.13								
18	QPSK	1	24	18.25	18.33	18.13								
18	QPSK	12	0	18.27	18.30	18.21								
18	QPSK	12	7	18.28	18.32	18.17	20	0						
18	QPSK	12	13	18.27	18.31	18.15								
18	QPSK	25	0	18.26	18.31	18.15								
18	QPSK	25	13	18.26	18.33	18.12								
18	16QAM	1	0	18.23	18.35	18.18	20	0						
18	16QAM	1	12	18.24	18.34	18.14								
18	16QAM	1	24	18.27	18.30	18.08								
18	16QAM	12	0	18.22	18.28	18.15								
18	16QAM	12	7	18.25	18.28	18.11	20	0						
18	16QAM	12	13	18.21	18.34	18.14								
18	16QAM	25	0	18.26	18.27	18.04								
18	16QAM	25	0	18.25	18.30	18.15								
18	64QAM	1	0	18.23	18.27	18.04	20	0						
18	64QAM	1	12	18.23	18.28	18.11								
18	64QAM	1	24	18.22	18.30	18.09								
18	64QAM	12	0	18.25	18.26	18.14								
18	64QAM	12	7	18.25	18.29	18.11	20	0						
18	64QAM	12	13	18.22	18.26	18.09								
18	64QAM	25	0	18.26	18.25	18.09								
18	64QAM	25	0	18.26	18.25	18.09								
18	256QAM	1	0	17.98	18.02	17.84	19	1						
18	256QAM	1	12	17.98	17.98	17.77								
18	256QAM	1	12	17.98	17.98	17.77								
18	256QAM	12	0	17.96	17.97	17.81								
18	256QAM	12	7	17.96	17.97	17.81	19	1						
18	256QAM	12	13	17.95	17.96	17.78								
18	256QAM	25	0	17.97	17.94	17.81								
Channel														
Frequency (MHz)														
18	QPSK	1	0	18.32	18.36	18.16	20	0						
3	QPSK	1	12	18.24	18.30	18.13								
3	QPSK	1	24	18.25	18.33	18.13								
3	QPSK	12	0	18.27	18.30	18.21								
3	QPSK	8	0	18.28	18.31	18.18	20	0						
3	QPSK	8	4	18.31	18.32	18.18								
3	QPSK	8	8	18.24	18.29	18.18								
3	QPSK	15	0	18.28	18.35	18.07								
3	16QAM	1	0	18.23	18.34	18.15	20	0						
3	16QAM	1	12	18.24	18.34	18.14								
3	16QAM	1	24	18.27	18.30	18.08								
3	16QAM	15	0	18.29	18.29	18.14								
3	16QAM	8	0	18.25	18.29	18.14	20	0						
3	16QAM	8	4	18.28	18.30	18.14								
3	16QAM	8	8	18.24	18.29	18.18								
3	16QAM	15	0	18.25	18.35	18.07								
3	64QAM	1	0	18.23	18.27	18.07	20	0						
3	64QAM	1	12	18.23	18.28	18.11								
3	64QAM	1	24	18.22	18.30	18.09								
3	64QAM	15	0	18.25	18.25	18.09								
3	64QAM	8	0	18.25	18.29	18.14	20	0						
3	64QAM	8	4	18.25	18.25	18.09								
3	64QAM	8	8	18.25	18.29	18.14								
3	64QAM	15	0	18.25	18.35	18.07								
3	256QAM	1	0	17.98	18.00	17.88	19	1						
3	256QAM	1	12	17.98	17.98	17.81								
3	256QAM	1	12	17.98	17.98	17.81								
3	256QAM	15	0	17.94	17.97	17.80								
3	256QAM	8	0	17.99	17.94	17.79	19	1						
3	256QAM	8	4	17.99	17.94	17.79								
3	256QAM	8	8	17.93	17.92	17.76								
3	256QAM	15	0	17.89	17.84	17.75								
Channel														
Frequency (MHz)														
18	QPSK	1	0	18.33	18.34	18.17	20	0						
18	QPSK	1	37	18.24	18.35	18.15								
18	QPSK	1	74	18.25	18.31	18.11								
18	QPSK	3	0	18.33	18.34	18.14								
18	QPSK	3	0	18.26	18.33	18.26	20	0						
18	QPSK	3	37	18.29	18.34	18.14								
18	QPSK	3	74	18.28	18.34	18.13								
18	QPSK	3	74	18.28	18.34	18.13								
18	16QAM	1	0	18.27	18.33	18.15	20	0						
18	16QAM	1	37	18.26	18.33	18.15								
18	16QAM	1	74	18.26	18.33	18.15								
18	16QAM	3	0	18.29	18.30	18.18								
18	16QAM	1	0	18.29	18.30	18.18	20	0						
18	16QAM	1	37	18.29	18.30	18.18								
18	16QAM	1	74	18.29	18.30	18.18								
18	16QAM	3	0	18.29	18.30	18.18								
18	16QAM	3	1	18.32	18.30	18.19	20	0						
18	16QAM	3	1	18.25	18.29	18.12								
18	16QAM	3	1	18.25	18.29	18.12								
18	16QAM	6	0	18.24	18.27	18.07								
18	256QAM	1	0	17.98	18.02	17.88	19	1						
18	256QAM	1	0	17.98	18.02	17.88								
18	256QAM	1	0	17.98	18.02	17.88								
18	256QAM	3	3	17.94	17.85	17.78								

Band 7 Ant1 D516 Simultaneous										
RF Mhz	Modulation	RBs Size	RBs Offset	Power Spectral Density C/I, C/N	Power Spectral Density C/I, C/N	Power Spectral Density C/I, C/N	Turn-up rate (dB)	MFR (dB)		
Channel				-30dBs	-21.100	-23.100				
Frequency (Mhz)				20.65	20.75	20.75				
20	QPSK	1	0	20.65	20.75	20.75				
20	QPSK	1	49	20.62	20.78	20.68	21.8	0		
20	QPSK	50	0	20.65	20.75	20.67				
20	QPSK	50	0	20.59	20.81	20.81				
20	QPSK	50	24	20.63	20.81	20.81	21.8	0		
20	QPSK	50	49	20.65	20.78	20.78				
20	QPSK	500	0	20.51	20.93	20.93				
20	QPSK	1	0	20.59	20.78	20.67				
20	QPSK	1	49	20.62	20.78	20.68	21.8	0		
20	QPSK	50	0	20.59	20.78	20.67				
20	QPSK	50	24	20.63	20.81	20.81	21.8	0		
20	QPSK	50	49	20.65	20.78	20.78				
20	QPSK	500	0	20.48	20.98	20.98	21.8	0		
20	QPSK	100	0	20.49	20.95	20.95				
20	QPSK	100	24	20.51	20.93	20.93				
20	QPSK	1	49	20.59	20.77	20.62	21.8	0		
20	QPSK	1	99	20.55	20.73	20.65				
20	QPSK	50	99	20.56	20.73	20.65				
20	QPSK	50	24	20.61	20.95	20.95				
20	QPSK	50	50	20.62	20.94	20.95				
20	QPSK	500	0	17.87	17.97	17.97				
20	QPSK	1	49	17.83	17.91	17.91	19	2.8		
20	QPSK	50	49	17.89	17.87	17.87				
20	QPSK	50	0	17.89	17.97	17.97				
20	QPSK	50	24	17.83	17.89	17.88	19	2.8		
20	QPSK	500	0	17.89	17.88	17.88				
20	QPSK	500	0	17.79	17.88	17.88				
Channel				-30dBs	-21.100	-23.100				
Frequency (Mhz)				20.65	20.75	20.75				
15	QPSK	1	0	20.61	20.75	20.75				
15	QPSK	1	37	20.57	20.78	20.67	21.8	0		
15	QPSK	36	0	20.56	20.78	20.68				
15	QPSK	36	36	20.56	20.65	20.65				
15	QPSK	36	20	20.49	20.68	20.55				
15	QPSK	36	55	20.56	20.68	20.68				
15	QPSK	75	0	20.47	20.96	20.92				
15	QPSK	1	0	20.54	20.73	20.64				
15	QPSK	1	49	20.65	20.65	20.65	21.8	0		
15	QPSK	1	74	20.53	20.70	20.63				
15	QPSK	36	0	20.54	20.69	20.63				
15	QPSK	36	36	20.54	20.69	20.63				
15	QPSK	36	55	20.43	20.97	20.92	21.8	0		
15	QPSK	75	0	20.44	20.49	20.49				
15	QPSK	75	0	20.47	20.47	20.47				
15	QPSK	75	0	20.47	20.47	20.47				
15	QPSK	1	37	20.55	20.68	20.58	21.8	0		
15	QPSK	1	74	20.55	20.71	20.69				
15	QPSK	36	20	20.47	20.68	20.55				
15	QPSK	36	20	20.47	20.68	20.55				
15	QPSK	36	20	20.47	20.68	20.55				
15	QPSK	36	20	20.47	20.68	20.55				
15	QPSK	36	20	20.47	20.68	20.55				
15	QPSK	36	20	20.47	20.68	20.55				
15	QPSK	36	20	20.47	20.68	20.55				
15	QPSK	36	20	20.47	20.68	20.55				
15	QPSK	36	20	20.47	20.68	20.55				
15	QPSK	36	20	20.47	20.68	20.55				
15	QPSK	36	20	20.47	20.68	20.55				
15	QPSK	36	20	20.47	20.68	20.55				
15	QPSK	36	20	20.47	20.68	20.55				
15	QPSK	36	20	20.47	20.68	20.55				
15	QPSK	36	20	20.47	20.68	20.55				
15	QPSK	36	20	20.47	20.68	20.55				
15	QPSK	36	20	20.47	20.68	20.55				
15	QPSK	36	20	20.47	20.68	20.55				
15	QPSK	36	20	20.47	20.68	20.55				
15	QPSK	36	20	20.47	20.68	20.55				
15	QPSK	36	20	20.47	20.68	20.55				
15	QPSK	36	20	20.47	20.68	20.55				
15	QPSK	36	20	20.47	20.68	20.55				
15	QPSK	36	20	20.47	20.68	20.55				
15	QPSK	36	20	20.47	20.68	20.55				
15	QPSK	36	20	20.47	20.68	20.55				
15	QPSK	36	20	20.47	20.68	20.55				
15	QPSK	36	20	20.47	20.68	20.55				
15	QPSK	36	20	20.47	20.68	20.55				
15	QPSK	36	20	20.47	20.68	20.55				
15	QPSK	36	20	20.47	20.68	20.55				
15	QPSK	36	20	20.47	20.68	20.55				
15	QPSK	36	20	20.47	20.68	20.55				
15	QPSK	36	20	20.47	20.68	20.55				
15	QPSK	36	20	20.47	20.68	20.55				
15	QPSK	36	20	20.47	20.68	20.55				
15	QPSK	36	20	20.47	20.68	20.55				
15	QPSK	36	20	20.47	20.68	20.55				
15	QPSK	36	20	20.47	20.68	20.55				
15	QPSK	36	20	20.47	20.68	20.55				
15	QPSK	36	20	20.47	20.68	20.55				
15										

Band 6e Ant1 D516 Simultaneous										
SW (MHz)	Modulation	FE Size	RF C/Fs	Power (dBm) Ch1 / Ch2 / Ch3	Power (dBm) Ch1 / Ch2 / Ch3	Power (dBm) Ch1 / Ch2 / Ch3	Turn-on time (dBm)	MPR (dB)		
Channel				130077	130322	130572				
20	QPSK	1	0	18.52	18.60	18.61				
20	QPSK	1	49	18.47	18.50	18.56		19.6	0	
20	QPSK	1	98	18.47	18.50	18.56				
20	QPSK	56	0	18.49	18.50	18.50				
20	QPSK	50	24	18.48	18.54	18.55		19.6	0	
20	QPSK	1	0	18.47	18.50	18.56				
20	QPSK	1	0	18.47	18.50	18.56				
20	QPSK	100	0	18.55	18.61	18.58				
20	16QAM	1	0	18.47	18.50	18.56				
20	16QAM	1	0	18.47	18.50	18.56				
20	16QAM	1	99	18.42	18.38	18.52		19.6	0	
20	16QAM	1	99	18.42	18.38	18.52				
20	16QAM	50	24	18.43	18.50	18.51		19.6	0	
20	16QAM	50	24	18.43	18.50	18.51				
20	16QAM	1	0	18.48	18.52	18.54				
20	16QAM	1	0	18.48	18.52	18.54				
20	16QAM	1	49	18.44	18.61	18.53		19.6	0	
20	16QAM	1	49	18.44	18.61	18.53				
20	16QAM	50	24	18.45	18.50	18.52				
20	16QAM	50	24	18.46	18.59	18.50		19.6	0	
20	16QAM	1	0	18.47	18.50	18.56				
20	16QAM	100	0	18.49	18.57	18.54				
20	28QAM	1	0	17.85	18.06	17.78				
20	28QAM	1	0	17.82	17.84	17.82				
20	28QAM	1	99	17.77	17.88	17.59				
20	28QAM	50	0	17.58	18.02	17.72				
20	28QAM	50	0	17.61	17.93	17.64				
20	28QAM	50	50	17.80	17.78	17.74				
20	28QAM	100	0	17.79	17.73	17.66	Turn-on time (dBm)			
20	28QAM	100	0	17.79	17.73	17.66				
Channel				17115	17445	1772.5				
15	QPSK	1	0	18.43	18.67	18.53		19.6	0	
15	QPSK	1	0	18.43	18.67	18.53				
15	QPSK	1	74	18.47	18.59	18.50				
15	QPSK	36	0	18.41	18.61	18.49				
15	QPSK	36	0	18.45	18.60	18.47				
15	QPSK	36	39	18.43	18.53	18.51		19.6	0	
15	QPSK	75	0	18.45	18.56	18.47				
15	QPSK	75	0	18.44	18.59	18.48				
15	16QAM	1	37	18.40	18.57	18.50		19.6	0	
15	16QAM	1	74	18.40	18.51	18.50				
15	16QAM	36	20	18.42	18.58	18.43		19.6	0	
15	16QAM	36	39	18.38	18.47	18.51				
15	16QAM	1	0	18.39	18.54	18.43				
15	16QAM	1	0	18.39	18.54	18.43				
15	16QAM	1	74	18.40	18.51	18.47				
15	16QAM	36	0	18.39	18.58	18.43				
15	16QAM	36	20	18.43	18.48	18.43		19.6	0	
15	16QAM	36	39	18.38	18.51	18.47				
15	16QAM	1	0	18.39	18.54	18.43				
15	16QAM	1	0	18.39	18.54	18.43				
15	16QAM	1	37	17.73	17.83	17.59	Turn-on time (dBm)			
15	28QAM	1	74	17.88	17.87	17.58				
15	28QAM	50	0	17.58	18.02	17.72				
15	28QAM	50	20	17.81	18.00	17.57				
15	28QAM	36	20	17.81	18.00	17.57		19.6	0	
15	28QAM	36	39	17.71	17.75	17.59				
15	28QAM	100	0	17.72	17.73	17.56	Turn-on time (dBm)			
15	28QAM	100	0	17.72	17.73	17.56				
Channel				130092	130322	130622				
Channel				17115	17445	1772.5				
5	QPSK	1	0	18.43	18.67	18.53		19.6	0	
5	QPSK	1	25	18.44	18.60	18.48				
5	QPSK	1	49	18.42	18.57	18.48				
5	QPSK	12	0	18.43	18.58	18.52				
5	QPSK	25	12	18.43	18.58	18.52				
5	QPSK	25	25	18.42	18.55	18.50		19.6	0	
5	QPSK	1	0	18.43	18.58	18.52				
5	16QAM	1	0	18.41	18.62	18.50				
5	16QAM	1	25	18.39	18.54	18.48		19.6	0	
5	16QAM	1	49	18.41	18.51	18.44				
5	16QAM	25	12	18.35	18.52	18.50				
5	16QAM	25	25	18.43	18.48	18.43		19.6	0	
5	16QAM	1	0	18.48	18.50	18.52				
5	16QAM	1	0	18.48	18.50	18.52				
5	16QAM	1	25	18.39	18.51	18.47		19.6	0	
5	16QAM	1	49	18.37	18.54	18.40				
5	16QAM	25	0	18.43	18.53	18.47				
5	16QAM	25	12	18.41	18.54	18.44				
5	16QAM	50	0	18.42	18.48	18.43				
5	16QAM	50	25	18.39	18.47	18.47				
5	16QAM	1	0	18.43	18.48	18.43				
5	16QAM	1	0	18.43	18.48	18.43				
5	16QAM	1	25	17.70	17.78	17.57	Turn-on time (dBm)			
5	16QAM	1	25	17.70	17.78	17.57				
5	16QAM	25	12	17.75	17.94	17.53				
5	16QAM	25	25	17.77	17.77	17.58		19.6	0	
5	16QAM	25	50	17.77	17.77	17.58				
5	16QAM	50	12	17.77	17.77	17.58				
5	16QAM	50	25	17.72	17.72	17.53	Turn-on time (dBm)			
5	16QAM	50	25	17.72	17.72	17.53				
Channel				131997	130702	130647				
Channel				17115	17445	1772.5				
5	QPSK	1	0	18.43	18.67	18.53		19.6	0	
5	QPSK	1	12	18.45	18.56	18.53				
5	QPSK	1	24	18.38	18.55	18.52				
5	QPSK	12	0	18.42	18.58	18.52				
5	QPSK	12	12	18.38	18.58	18.52		19.6	0	
5	QPSK	24	12	18.47	18.50	18.54				
5	16QAM	1	0	18.45	18.65	18.54				
5	16QAM	1	12	18.45	18.53	18.48		19.6	0	
5	16QAM	1	24	18.38	18.53	18.48				
5	16QAM	12	0	18.40	18.59	18.48				
5	16QAM	12	12	18.42	18.57	18.51		19.6	0	
5	16QAM	24	12	18.38	18.51	18.52				
5	16QAM	25	0	18.52	18.55	18.52				
5	16QAM	25	12	18.52	18.57	18.51		19.6	0	
5	16QAM	1	12	18.37	18.53	18.48				
5	16QAM	1	24	18.35	18.59	18.42				
5	16QAM	12	0	18.45	18.58	18.48		19.6	0	
5	16QAM	12	12	18.41	18.48	18.47				
5	16QAM	12	24	18.39	18.47	18.43				
5	16QAM	1	0	17.80	17.97	17.70	Turn-on time (dBm)			
5	16QAM	1	12	17.70	17.78	17.59		19.6	0	
5	16QAM	1	24	17.73	17.73	17.54				
5	16QAM	12	0	17.55	17.59	17.59				
5	16QAM	12	12	17.55	17.77	17.58		19.6	0	
5	16QAM	12	24	17.55	17.77	17.58				
5	16QAM	25	12	17.71	17.43	17.52	Turn-on time (dBm)			
5	16QAM	25	25	17.71	17.43	17.52				
Channel				17115	17445	1772.5				
3	QPSK	1	0	18.44	18.67	18.50		19.6	0	
3	QPSK	1	8	18.38	18.60	18.52				
3	QPSK	1	16	18.39	18.58	18.51				
3	QPSK	8	0	18.44	18.57	18.48				
3	QPSK	8	8	18.42	18.57	18.46		19.6	0	
3	QPSK	16	0	18.48	18.53	18.58				
3	QPSK	1	0	18.46	18.63	18.48				
3	QPSK	8	0	18.47	18.58	18.49		19.6	0	
3	16QAM	1	14	18.40	18.56	18.42				
3	16QAM	8	0	18.43	18.57	18.46				
3	16QAM	8	8	18.37	18.50	18.45		19.6	0	
3	16QAM	8	16	18.39	18.48	18.52				
3	16QAM	1	0	18.41	18.58	18.47				
3	16QAM	1	8	18.40	18.51	18.51		19.6	0	
3	16QAM	1	16	18.38	18.56	18.49				
3	16QAM	8	0	18.42	18.55	18.43				
3	16QAM	8	8	18.43	18.58	18.51		19.6	0	
3	16QAM	16	0	18.43	18.56	18.49				
3	16QAM	1	0	17.79	18.05	17.72	Turn-on time (dBm)			
3	16QAM	1	8	17.79	17.83	17.63		19.6	0	
3	16QAM	1	14	17.72	17.80	17.58				
3	16QAM	8	0	17.88	17.92	17.64				
3	16QAM	8	8	17.77	17.75	17.53		19.6	0	
3	16QAM	8	16	17.71	17.74	17.51				
3	16QAM	15	0	17.78	17.67	17.52	Turn-on time (dBm)			
3	16QAM	15	0	17.78	17.67	17.52				
Channel				17117	17446	1772.3				
1.4	QPSK	1	0	18.47	18.59	18.51		19.6	0	
1.4	QPSK	1	0	18.38	18.60	18.52				
1.4	QPSK	1	0	18.42	18.54	18.47				
1.4	QPSK	3	0	18.46	18.54	18.49				
1.4	QPSK	3	3	18.42	18.54	18.47		19.6	0	
1.4	QPSK	3</								

Band 66 Ant2 DSIS Simultaneous										
HW ID#	Frequency (MHz)	Channel	RB Size	RB Offset	Power (dBm) (Ch. 1/Freq.)	Power (dBm) (Ch. 2/Freq.)	Power (dBm) (Ch. 3/Freq.)	Turn-up time (min)	MPR (dB)	
Frequency (MHz)										
20	QPSK	1	0	18.87	19.99	19.99	19.99			
20	QPSK	1	49	19.83	19.99	19.99	19.99	21	0	
20	QPSK	1	98	19.83	19.99	19.99	19.99			
20	QPSK	80	0	19.78	19.99	19.99	19.99			
20	QPSK	80	24	19.83	19.99	19.99	19.99			
20	QPSK	80	49	19.84	19.99	19.99	19.99			
20	QPSK	100	0	19.83	19.99	19.99	19.99			
20	16QAM	1	0	19.83	19.99	19.99	19.99			
20	16QAM	1	49	19.83	19.99	19.99	19.99	21	0	
20	16QAM	1	98	19.79	19.99	19.99	19.99			
20	16QAM	80	0	19.79	19.99	19.99	19.99			
20	16QAM	80	24	19.83	19.99	19.99	19.99			
20	16QAM	80	50	19.79	19.99	19.99	19.99			
20	16QAM	100	0	19.79	19.99	19.99	19.99			
20	256QAM	1	0	17.81	17.76	17.67	17.67			
20	256QAM	1	49	17.80	17.62	17.61	17.61			
20	256QAM	1	99	17.68	17.60	17.55	17.55			
20	256QAM	80	0	17.68	17.63	17.54	17.54			
20	256QAM	80	24	17.74	17.76	17.67	17.67			
20	256QAM	80	50	17.70	17.61	17.50	17.50			
20	256QAM	100	0	17.84	17.62	17.54	17.54	Turn-up time (min)	MPR (dB)	
Frequency (MHz)										
14	QPSK	1	0	19.11	17.45	17.74	17.74			
14	QPSK	1	37	19.11	19.99	19.99	19.99			
14	QPSK	1	74	19.11	19.99	19.99	19.99			
14	QPSK	80	0	19.74	19.99	19.99	19.99			
14	QPSK	80	24	19.74	19.99	19.99	19.99			
14	QPSK	80	39	19.79	19.99	19.99	19.99			
14	QPSK	75	0	19.74	19.99	19.99	19.99	21	0	
14	16QAM	1	0	19.77	19.99	19.99	19.99			
14	16QAM	1	37	19.78	19.99	19.99	19.99			
14	16QAM	1	74	19.71	19.99	19.99	19.99			
14	16QAM	86	0	19.87	19.99	19.99	19.99	21	0	
14	16QAM	86	20	19.74	19.99	19.99	19.99			
14	16QAM	86	39	19.71	19.79	19.74	19.74			
14	16QAM	1	0	19.73	19.99	19.99	19.99			
14	16QAM	1	37	19.73	19.99	19.99	19.99			
14	16QAM	86	0	19.66	19.99	19.99	19.99			
14	16QAM	86	39	19.72	19.99	19.99	19.99			
14	256QAM	1	0	17.69	17.71	17.72	17.72			
14	256QAM	1	37	17.69	17.71	17.72	17.72			
14	256QAM	1	74	17.68	17.76	17.48	17.48	19	2	
14	256QAM	86	0	17.69	17.76	17.48	17.48			
14	256QAM	86	20	17.75	17.69	17.57	17.57			
14	256QAM	86	39	17.70	17.69	17.57	17.57			
14	256QAM	86	50	17.64	17.62	17.49	17.49			
14	256QAM	86	50	17.74	17.78			Turn-up time (min)	MPR (dB)	
Frequency (MHz)										
5	QPSK	1	0	19.99	19.94	19.96	19.96			
5	QPSK	1	12	19.98	19.98	19.99	19.99			
5	QPSK	1	24	19.77	19.98	19.93	19.93			
5	QPSK	8	0	19.98	19.98	19.99	19.99			
5	QPSK	12	7	19.79	19.97	19.99	19.99			
5	QPSK	16	0	19.74	19.97	19.99	19.99			
5	QPSK	25	0	19.74	19.97	19.99	19.99			
5	16QAM	1	0	19.75	19.91	19.92	19.92			
5	16QAM	1	12	19.75	19.91	19.92	19.92			
5	16QAM	8	0	19.75	19.93	19.93	19.93			
5	16QAM	12	0	19.70	19.87	19.95	19.95			
5	16QAM	16	0	19.73	19.83	19.93	19.93			
5	16QAM	12	13	19.69	19.81	19.70	19.70			
5	16QAM	25	0	19.76	19.72	19.69	19.69			
5	16QAM	1	0	19.76	19.85	19.95	19.95			
5	16QAM	1	12	19.74	19.84	19.76	19.76			
5	16QAM	1	24	19.69	19.84	19.76	19.76			
5	16QAM	12	12	19.76	19.75	19.72	19.72			
5	16QAM	12	13	19.73	19.83	19.81	19.81			
5	16QAM	25	0	19.75	19.79	19.76	19.76			
5	16QAM	1	0	17.56	17.70	17.57	17.57			
5	16QAM	1	12	17.62	17.74	17.61	17.61			
5	16QAM	12	0	17.59	17.70	17.57	17.57			
5	16QAM	12	13	17.52	17.70	17.57	17.57			
5	256QAM	1	0	17.79	17.76	17.47	17.47	19	2	
5	256QAM	25	0	17.79	17.76	17.47	17.47			
Frequency (MHz)										
3	QPSK	1	0	19.62	19.99	19.93	19.93			
3	QPSK	1	8	19.74	19.98	19.91	19.91	21	0	
3	QPSK	1	14	19.74	19.98	19.91	19.91			
3	QPSK	8	0	19.73	19.91	19.96	19.96			
3	QPSK	8	4	19.76	19.98	19.94	19.94			
3	QPSK	8	10	19.78	19.98	19.94	19.94			
3	QPSK	16	0	19.77	19.76	19.73	19.73			
3	16QAM	1	0	19.79	19.99	19.94	19.94			
3	16QAM	1	8	19.82	19.98	19.93	19.93			
3	16QAM	1	14	19.74	19.95	19.76	19.76			
3	16QAM	8	0	19.67	19.84	19.76	19.76			
3	16QAM	8	7	19.75	19.92	19.76	19.76			
3	16QAM	8	7	19.71	19.83	19.77	19.77			
3	16QAM	16	0	19.74	19.73	19.72	19.72			
3	16QAM	1	0	19.75	19.98	19.93	19.93			
3	16QAM	1	8	19.79	19.85	19.78	19.78			
3	16QAM	1	8	19.78	19.85	19.78	19.78			
3	16QAM	8	0	19.75	19.88	19.76	19.76			
3	16QAM	8	7	19.75	19.88	19.76	19.76			
3	16QAM	16	8	19.71	19.71	19.70	19.70			
3	256QAM	1	0	17.66	17.70	17.58	17.58			
3	256QAM	1	8	17.70	17.72	17.62	17.62	19	2	
3	256QAM	1	14	17.68	17.70	17.50	17.50			
3	256QAM	8	0	17.62	17.79	17.58	17.58			
3	256QAM	8	7	17.74	17.71	17.70	17.70			
3	256QAM	8	7	17.61	17.68	17.63	17.63			
3	256QAM	16	0	17.74	17.76	17.48	17.48	Turn-up time (min)	MPR (dB)	
Frequency (MHz)										
14	QPSK	1	0	19.81	19.99	19.93	19.93			
14	QPSK	1	8	19.81	19.99	19.93	19.93			
14	QPSK	1	16	19.77	19.99	19.94	19.94	21	0	
14	QPSK	3	0	19.71	19.95	19.97	19.97			
14	QPSK	3	8	19.78	19.99	19.93	19.93			
14	QPSK	3	16	19.75	19.94	19.76	19.76			
14	QPSK	8	0	19.74	19.95	19.94	19.94			
14	16QAM	1	0	19.73	19.98	19.90	19.90			
14	16QAM	1	8	19.75	19.98	19.90	19.90			
14	16QAM	1	16	19.74	19.82	19.76	19.76			
14	16QAM	3	0	19.74	19.98	19.90	19.90			
14	16QAM	3	8	19.74	19.97	19.91	19.91			
14	16QAM	3	16	19.75	19.98	19.76	19.76			
14	16QAM	8	0	19.71	19.89	19.76	19.76			
14	16QAM	8	8	19.71	19.89	19.76	19.76			
14	16QAM	8	16	19.66	19.83	19.65	19.65			
14	16QAM	16	0	19.73	19.97	19.76	19.76			
14	16QAM	8	0	19.70	19.92	19.76	19.76			
14	256QAM	1	0	17.63	17.72	17.62	17.62			
14	256QAM	1	3	17.65	17.70	17.58	17.58			
14	256QAM	1	8	17.62	17.73	17.51	17.51			
14	256QAM	3	0	17.68	17.75	17.58	17.58			
14	256QAM	3	8	17.70	17.72	17.61	17.61			
14	256QAM	3	16	17.71	17.79	17.63	17.63			



DEPARTMENT OF COMMUNICATIONS

Band 38 -PC2 Ant1 DS16 Simultaneous											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)			
Channel Frequency (MHz)											
20	QPSK	1	0	24.55	24.71	24.46	25.7	0			
20	QPSK	1	49	24.54	24.48	24.32					
20	QPSK	1	99	24.49	24.70	24.36					
20	QPSK	50	0	24.41	24.60	24.15					
20	QPSK	50	24	24.48	24.39	24.31	25.7	0			
20	QPSK	50	50	24.51	24.58	24.28					
20	QPSK	100	0	24.43	24.56	24.14					
20	16QAM	1	0	24.54	24.40	24.22					
20	16QAM	1	49	24.54	24.44	24.18	25.7	0			
20	16QAM	1	99	24.55	24.58	24.25					
20	16QAM	50	0	23.45	23.47	23.19					
20	16QAM	50	24	23.20	23.39	23.26					
20	16QAM	50	50	23.38	23.58	23.11	25	0.7			
20	16QAM	100	0	23.37	23.36	23.10					
20	64QAM	1	0	23.32	23.40	23.07					
20	64QAM	1	49	23.34	23.56	23.34					
20	64QAM	1	99	23.36	23.46	23.22	24	1.7			
20	64QAM	50	0	22.75	22.86	22.57					
20	64QAM	50	24	22.68	22.72	22.52					
20	64QAM	50	50	22.79	22.71	22.54					
20	64QAM	100	0	22.51	22.79	22.30	22	3.7			
20	256QAM	1	0	20.72	20.77	20.57					
20	256QAM	1	49	20.78	20.69	20.57					
20	256QAM	1	99	20.59	20.67	20.42					
20	256QAM	50	0	20.61	20.69	20.57	22	3.7			
20	256QAM	50	24	20.52	20.64	20.56					
20	256QAM	50	50	20.64	20.65	20.44					
20	256QAM	100	0	20.53	20.81	20.48					
Channel Frequency (MHz)											
15	QPSK	1	0	24.70	24.73	24.48	25.7	0			
15	QPSK	1	37	24.54	24.62	24.27					
15	QPSK	1	74	24.63	24.65	24.18					
15	QPSK	36	0	24.44	24.64	24.18					
15	QPSK	36	20	24.53	24.50	24.32	25.7	0			
15	QPSK	36	39	24.55	24.44	24.23					
15	QPSK	75	0	24.48	24.47	24.29					
15	16QAM	1	0	24.45	24.54	24.15					
15	16QAM	1	37	24.58	24.49	24.22	25.7	0			
15	16QAM	1	74	24.59	24.45	24.23					
15	16QAM	36	0	23.32	23.44	23.07					
15	16QAM	36	20	23.23	23.35	23.29					
15	16QAM	36	39	23.24	23.46	23.13	25	0.7			
15	16QAM	75	0	23.33	23.46	23.03					
15	64QAM	1	0	23.39	23.27	23.15					
15	64QAM	1	37	23.29	23.56	23.15					
15	64QAM	1	74	23.34	23.44	23.12	25	0.7			
15	64QAM	36	0	22.79	22.85	22.47					
15	64QAM	36	20	22.53	22.66	22.44					
15	64QAM	36	39	22.72	22.69	22.48					
15	64QAM	75	0	22.50	22.81	22.32	22	3.7			
15	256QAM	1	0	20.59	20.80	20.55					
15	256QAM	1	37	20.60	20.86	20.52					
15	256QAM	1	74	20.50	20.64	20.36					
15	256QAM	36	0	20.57	20.80	20.42	22	3.7			
15	256QAM	36	20	20.69	20.69	20.49					
15	256QAM	36	39	20.61	20.76	20.57					
15	256QAM	75	0	20.70	20.86	20.51					
Channel Frequency (MHz)											
10	QPSK	1	0	24.57	24.73	24.41	25.7	0			
10	QPSK	1	25	24.54	24.50	24.38					
10	QPSK	1	49	24.61	24.70	24.47					
10	QPSK	25	0	24.60	24.53	24.14					
10	QPSK	25	12	24.59	24.41	24.24	25.7	0			
10	QPSK	25	25	24.43	24.55	24.34					
10	QPSK	50	0	24.51	24.44	24.27					
10	16QAM	1	0	24.39	24.52	24.23					
10	16QAM	1	25	24.55	24.47	24.26	25.7	0			
10	16QAM	1	49	24.46	24.47	24.38					
10	16QAM	25	0	23.44	23.48	23.15					
10	16QAM	25	12	23.35	23.32	23.16					
10	16QAM	25	25	23.26	23.56	23.24	25	0.7			
10	16QAM	50	0	23.38	23.34	23.18					
10	64QAM	1	0	23.47	23.38	23.29					
10	64QAM	1	25	23.32	23.45	23.34					
10	64QAM	1	49	23.34	23.50	23.28	25	0.7			
10	64QAM	25	0	22.72	22.81	22.41					
10	64QAM	25	12	22.63	22.74	22.35					
10	64QAM	25	25	22.72	22.76	22.44					
10	64QAM	50	0	22.58	22.64	22.31	22	3.7			
10	256QAM	1	0	20.61	20.78	20.39					
10	256QAM	1	25	20.69	20.69	20.49					
10	256QAM	1	49	20.55	20.73	20.42					
10	256QAM	25	0	20.54	20.75	20.57	22	3.7			
10	256QAM	25	12	20.54	20.57	20.49					
10	256QAM	25	25	20.55	20.73	20.48					
10	256QAM	50	0	20.72	20.76	20.42					
Channel Frequency (MHz)											
5	QPSK	1	0	24.71	24.68	24.44	25.7	0			
5	QPSK	1	12	24.53	24.63	24.30					
5	QPSK	1	24	24.49	24.73	24.39					
5	QPSK	12	0	24.57	24.59	24.24					
5	QPSK	12	7	24.48	24.42	24.23	25.7	0			
5	QPSK	12	13	24.44	24.48	24.27					
5	QPSK	25	0	24.47	24.47	24.19					
5	16QAM	1	0	24.54	24.53	24.35					
5	16QAM	1	12	24.62	24.50	24.25	25.7	0			
5	16QAM	1	24	24.50	24.56	24.20					
5	16QAM	12	0	23.30	23.49	23.06					
5	16QAM	12	7	23.39	23.49	23.14					
5	16QAM	12	13	23.30	23.47	23.21	25	0.7			
5	16QAM	25	0	23.31	23.37	23.00					
5	64QAM	1	0	23.44	23.35	23.20					
5	64QAM	1	12	23.45	23.50	23.34					
5	64QAM	1	24	23.23	23.57	23.15	24	1.7			
5	64QAM	12	0	22.80	22.88	22.42					
5	64QAM	12	7	22.89	22.87	22.45	24	1.7			
5	64QAM	12	13	22.73	22.73	22.38					
5	64QAM	25	0	22.53	22.73	22.40					
5	256QAM	1	0	20.76	20.79	20.40					
5	256QAM	1	12	20.61	20.63	20.51	22	3.7			
5	256QAM	1	24	20.50	20.74	20.42					
5	256QAM	12	0	20.53	20.78	20.52					
5	256QAM	12	7	20.59	20.62	20.40					
5	256QAM	12	13	20.54	20.76	20.51					
5	256QAM	25	0	20.63	20.78	20.58					

Uplink CA Power

CA_7C Ant 1 Full Power							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
20850	21048	QPSK	1	99	1	0	23.07
21100	20902	QPSK	1	0	1	99	23.14
21350	21152	QPSK	1	0	1	99	23.02

CA_7C Ant 2 Full Power							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
20850	21048	QPSK	1	99	1	0	22.22
21100	20902	QPSK	1	0	1	99	22.29
21350	21152	QPSK	1	0	1	99	22.24

CA_41C Ant 1 Full Power							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
39750	39948	QPSK	1	99	1	0	23.18
40185	39987	QPSK	1	0	1	99	23.32
40620	40422	QPSK	1	0	1	99	23.37
41055	41253	QPSK	1	99	1	0	23.15
41490	41292	QPSK	1	0	1	99	23.13

CA_7C Ant 1 DSI2							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
20850	21048	QPSK	1	99	1	0	23.07
21100	20902	QPSK	1	0	1	99	23.14
21350	21152	QPSK	1	0	1	99	23.02

CA_7C Ant 2 DSI2 Standalone							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
20850	21048	QPSK	1	99	1	0	19.21
21100	20902	QPSK	1	0	1	99	19.29
21350	21152	QPSK	1	0	1	99	19.23

CA_41C Ant 1 DSI2							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
39750	39948	QPSK	1	99	1	0	23.18
40185	39987	QPSK	1	0	1	99	23.32
40620	40422	QPSK	1	0	1	99	23.37
41055	41253	QPSK	1	99	1	0	23.15
41490	41292	QPSK	1	0	1	99	23.13

CA_7C Ant 1 DSI3 Standalone							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
20850	21048	QPSK	1	99	1	0	19.66
21100	20902	QPSK	1	0	1	99	19.71
21350	21152	QPSK	1	0	1	99	19.67

CA_7C Ant 2 DSI2 Simultaneous							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
20850	21048	QPSK	1	99	1	0	17.67
21100	20902	QPSK	1	0	1	99	17.71
21350	21152	QPSK	1	0	1	99	17.74

CA_41C Ant 1 DSI3 Standalone							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
39750	39948	QPSK	1	99	1	0	22.84
40185	39987	QPSK	1	0	1	99	22.82
40620	40422	QPSK	1	0	1	99	22.92
41055	41253	QPSK	1	99	1	0	22.79
41490	41292	QPSK	1	0	1	99	22.86

CA_7C Ant 1 DSI3 Simultaneous							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
20850	21048	QPSK	1	99	1	0	15.03
21100	20902	QPSK	1	0	1	99	15.07
21350	21152	QPSK	1	0	1	99	15.01

CA_7C Ant 2 DSI3 Simultaneous							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
20850	21048	QPSK	1	99	1	0	21.55
21100	20902	QPSK	1	0	1	99	21.67
21350	21152	QPSK	1	0	1	99	21.65

CA_41C Ant 1 DSI3 Simultaneous							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
39750	39948	QPSK	1	99	1	0	18.41
40185	39987	QPSK	1	0	1	99	18.43
40620	40422	QPSK	1	0	1	99	18.48
41055	41253	QPSK	1	99	1	0	18.32
41490	41292	QPSK	1	0	1	99	18.28

CA_7C Ant 1 DSI6 Standalone							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
20850	21048	QPSK	1	99	1	0	22.16
21100	20902	QPSK	1	0	1	99	22.17
21350	21152	QPSK	1	0	1	99	22.14

CA_41C Ant 1 DSI6 Simultaneous							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
39750	39948	QPSK	1	99	1	0	23.06
40185	39987	QPSK	1	0	1	99	22.92
40620	40422	QPSK	1	0	1	99	23.08
41055	41253	QPSK	1	99	1	0	22.86
41490	41292	QPSK	1	0	1	99	22.83

CA_7C Ant 1 DSI6 Simultaneous							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
20850	21048	QPSK	1	99	1	0	20.66
21100	20902	QPSK	1	0	1	99	20.73
21350	21152	QPSK	1	0	1	99	20.56

Downlink CA Power

2CA DL

CA List	PCC								SCC				Power	
	LTE		BW	UL	UL	Mod.	ULF	UL	LTE	BW	DL	DL	With CA	Without CA
	Band	Ant	(MHz)	Freq.	Channel		RB	RB	Band	(MHz)	Freq.	Channel	Tx. Power	Tx. Power
				(MHz)				Offset			(MHz)		(dBm)	(dBm)
CA_4A-17A	Band 4	1	10M	1715	20000	QPSK	1	0	Band 17	10M	740	5790	22.62	22.75
	Band 4	2	10M	1715	20000	QPSK	1	49	Band 17	10M	740	5790	22.63	22.64
	Band 17	1	10M	710	23790	QPSK	1	0	Band 4	10M	2132.5	2175	22.83	22.96
	Band 17	2	10M	710	23790	QPSK	1	0	Band 4	10M	2132.5	2175	22.59	22.63
CA_7B	Band 7	1	15M	2562.5	21375	QPSK	1	37	Band 7	5M	2636.8	2918	23.08	23.23
	Band 7	2	15M	2535	21100	QPSK	1	0	Band 7	5M	2636.8	2918	22.26	22.42
CA_38C	Band 38	1	20M	2595	37901	QPSK	1	0	Band 38	20M	2614.8	38099	23.44	23.36
CA_2A-17A	Band 2	1	10M	1880	18900	QPSK	1	0	Band 17	10M	740	5790	22.98	23.15
	Band 17	1	10M	710	23790	QPSK	1	0	Band 2	10M	1960	900	22.89	22.96
	Band 17	2	10M	710	23790	QPSK	1	0	Band 2	10M	1960	900	22.59	22.63
CA_41C	Band 41	1	20M	2593	40620	QPSK	1	0	Band 41	20M	2612.8	40818	23.23	23.39
CA_66B	Band 66	1	15M	1717.5	132047	QPSK	1	0	Band 66	5M	2164.3	66979	22.74	22.91
CA_66C	Band 66	1	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	22.69	22.92
CA_7A-26A	Band 7	1	15M	2562.5	21375	QPSK	1	37	Band 26	15M	876.5	8865	23.01	23.23
	Band 7	2	15M	2535	21100	QPSK	1	0	Band 26	15M	876.5	8865	22.36	22.42
	Band 26	1	15M	831.5	26865	QPSK	1	0	Band 7	5M	2636.8	2918	22.71	22.94
	Band 26	2	15M	831.5	26865	QPSK	1	0	Band 7	5M	2636.8	2918	22.82	22.89

3CA DL

3CA List	PCC							SCC1				SCC2				Power		
	LTE		BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	LTE	BW	DL	DL	With CA	Without CA
	Band	Ant	(MHz)	Freq	Channel		RB	RB	Band	(MHz)	Freq	Channel	Band	(MHz)	Freq	Channel	Tx Power	Tx Power
			(MHz)	(MHz)			Offset		(MHz)	(MHz)				(dBm)	(dBm)			
CA_4A-7C	Band 4	1	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	22.63	22.85
	Band 4	2	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	22.68	22.75
	Band 7	1	20M	2535	21100	QPSK	1	0	Band 7	20M	2674.8	3298	Band 4	20M	2132.5	2175	23.08	23.31
CA_2A-7A-7A	Band 7	2	20M	2535	21100	QPSK	1	0	Band 7	20M	2674.8	3298	Band 4	20M	2132.5	2175	22.32	22.44
	Band 2	1	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	23.1	23.19
	Band 7	1	20M	2535	21100	QPSK	1	0	Band 7	5M	2687.5	3425	Band 2	20M	1960	900	23.17	23.31
CA_2A-7C	Band 7	2	20M	2535	21100	QPSK	1	0	Band 7	5M	2687.5	3425	Band 2	20M	1960	900	22.28	22.44
	Band 2	1	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	23.07	23.19
	Band 7	1	20M	2535	21100	QPSK	1	0	Band 7	20M	2674.8	3298	Band 2	20M	1960	900	23.16	23.31
CA_41A-41A-41A	Band 7	2	20M	2535	21100	QPSK	1	0	Band 7	20M	2674.8	3298	Band 2	20M	1960	900	22.24	22.44
	Band 41	1	20M	2593	40620	QPSK	1	0	Band 41	5M	2687.5	41565	Band 41	20M	2506	39750	23.25	23.39
	Band 41	1	20M	1880	18900	QPSK	1	0	Band 41	20M	2132.5	2175	Band 5	10M	881.5	2525	23.06	23.19
CA_2A-4A-5A	Band 4	1	20M	1732.5	20175	QPSK	1	0	Band 5	10M	881.5	2525	Band 2	20M	1960	900	22.63	22.85
	Band 4	2	20M	1732.5	20175	QPSK	1	0	Band 5	10M	881.5	2525	Band 2	20M	1960	900	22.57	22.75
	Band 5	1	10M	836.5	20525	QPSK	1	0	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	22.73	22.9
CA_2A-4A-7A	Band 5	2	10M	836.5	20525	QPSK	1	0	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	22.68	22.79
	Band 2	1	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 7	5M	2687.5	3425	23.17	23.19
	Band 4	1	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	Band 2	20M	1960	900	22.69	22.85
CA_5A-7A-66A	Band 4	2	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	Band 2	20M	1960	900	22.57	22.75
	Band 7	1	20M	2535	21100	QPSK	1	0	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	23.27	23.31
	Band 7	2	20M	2535	21100	QPSK	1	0	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	22.27	22.44
CA_7A-66A-66A	Band 5	1	10M	836.5	20525	QPSK	1	0	Band 7	20M	2655	3100	Band 66	5M	2197.5	67311	22.78	22.9
	Band 5	2	10M	836.5	20525	QPSK	1	0	Band 7	20M	2655	3100	Band 66	5M	2197.5	67311	22.76	22.79
	Band 7	1	20M	2535	21100	QPSK	1	0	Band 5	10M	881.5	2525	Band 66	5M	2197.5	67311	23.14	23.31
CA_41D	Band 7	2	20M	2535	21100	QPSK	1	0	Band 5	10M	881.5	2525	Band 66	5M	2197.5	67311	22.31	22.44
	Band 66	1	20M	1745	132322	QPSK	1	0	Band 5	10M	881.5	2525	Band 7	10M	2655	3100	22.77	22.92
	Band 7	1	20M	2535	21100	QPSK	1	0	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	23.25	23.31
CA_41A-41C	Band 7	2	20M	2535	21100	QPSK	1	0	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	22.36	22.44
	Band 66	1	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	Band 7	5M	2687.5	3425	22.78	22.92
	Band 41	1	20M	2593	40620	QPSK	1	0	Band 41	20M	2612.8	40818	Band 41	20M	2632.6	41016	23.17	23.39
CA_41A-41C	Band 41	1	20M	2593	40620	QPSK	1	0	Band 41	5M	2687.5	41565	Band 41	20M	2675.8	41448	23.29	23.39
	Band 41	1	20M	2593	40620	QPSK	1	0	Band 41	20M	2612.8	40818	Band 41	5M	2498.5	39675	22.79	23.39



4CA DL

Configure	PCC							SCC1				SCC2				SCC3				Power		
	LTE		BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	LTE	BW	DL	DL	LTE	BW	DL	DL	With CA	Without CA
	Band	Ant	(MHz)	Freq	Channel		RB	RB	Band	(MHz)	Freq	Channel	Band	(MHz)	Freq	Channel	Band	(MHz)	Freq	Channel	Tx. Power	Tx. Power
				(MHz)				Offset			(MHz)				(MHz)				(MHz)		(dBm)	(dBm)
CA_5A-7C-66A	Band 5	1	10M	836.5	20525	QPSK	1	0	Band 66	20M	2155	66886	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	22.83	22.9
	Band 5	2	10M	836.5	20525	QPSK	1	0	Band 66	20M	2155	66886	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	22.65	22.79
	Band 7	1	20M	2535	21100	QPSK	1	0	Band 7	20M	2674.8	3298	Band 5	10M	881.5	2525	Band 66	20M	2155	66886	23.12	23.31
	Band 7	2	20M	2535	21100	QPSK	1	0	Band 7	20M	2674.8	3298	Band 5	10M	881.5	2525	Band 66	20M	2155	66886	22.35	22.44
CA_7C-66A-66A	Band 66	1	20M	1745	132322	QPSK	1	0	Band 5	10M	881.5	2525	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	22.78	22.92
	Band 7	1	20M	2535	21100	QPSK	1	0	Band 7	20M	2674.8	3298	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	23.26	23.31
	Band 7	2	20M	2535	21100	QPSK	1	0	Band 7	20M	2674.8	3298	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	22.36	22.44
	Band 66	1	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	22.79	22.92



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

n5 Ant1 Full Power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				166600	167200	167600			
				834	836.5	839			
20	Pi/2 BPSK	1	1	23.35	23.40	23.52			
20	Pi/2 BPSK	1	53	23.28	23.36	23.30	24.0	0.0	
20	Pi/2 BPSK	1	104	23.09	23.14	23.03			
20	Pi/2 BPSK	50	0	22.50	22.58	22.52	23.5	0.5	
20	Pi/2 BPSK	50	28	23.04	23.11	23.05	24.0	0.0	
20	Pi/2 BPSK	50	56	21.52	21.61	21.54	23.5	0.5	
20	Pi/2 BPSK	100	0	22.51	22.57	22.51			
20	QPSK	1	1	23.38	23.42	23.33			
20	QPSK	1	53	23.16	23.23	23.17	24.0	0.0	
20	QPSK	1	104	22.99	23.05	22.96			
20	QPSK	50	0	22.06	22.14	22.05	23.0	1.0	
20	QPSK	50	28	23.12	23.19	23.11	24.0	0.0	
20	QPSK	50	56	21.87	21.94	21.84	23.0	1.0	
20	QPSK	100	0	22.00	22.07	21.97			
20	16QAM	1	1	22.10	22.17	22.08	23.0	1.0	
20	64QAM	1	1	20.83	20.70	20.61	21.5	2.5	
20	256QAM	1	1	18.41	18.48	18.41	19.5	4.5	
Channel									
Frequency (MHz)				831.5	836.5	841.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	23.27	23.37	23.29	24.0	0.0	
Channel									
Frequency (MHz)				829	836.5	844	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	23.30	23.33	23.26	24.0	0.0	
Channel									
Frequency (MHz)				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
				826.5	836.5	846.5			
5	QPSK	1	1	23.28	23.34	23.27	24.0	0.0	

n5 Ant2 Full Power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				16600	16700	16760			
				834	836	839			
20	Pi/2 BPSK	1	1	22.80	22.88	22.79			
20	Pi/2 BPSK	1	53	22.76	22.77	22.67	24.0	0.0	
20	Pi/2 BPSK	1	104	22.57	22.64	22.56			
20	Pi/2 BPSK	50	0	21.85	21.98	21.85	23.5	0.5	
20	Pi/2 BPSK	50	28	22.66	22.72	22.62	24.0	0.0	
20	Pi/2 BPSK	50	56	21.72	21.82	21.75	23.5	0.5	
20	Pi/2 BPSK	100	0	21.86	21.96	21.87	23.5	0.5	
20	QPSK	1	1	23.05	23.10	23.02			
20	QPSK	1	53	22.76	22.81	22.75	24.0	0.0	
20	QPSK	1	104	22.61	22.68	22.60			
20	QPSK	50	0	21.49	21.58	21.47	23.0	1.0	
20	QPSK	50	28	22.77	22.83	22.76	24.0	0.0	
20	QPSK	50	56	21.29	21.35	21.25	23.0	1.0	
20	QPSK	100	0	21.43	21.50	21.44			
20	16QAM	1	1	21.56	21.65	21.58	23.0	1.0	
20	64QAM	1	1	20.03	20.11	20.02	21.5	2.5	
20	256QAM	1	1	17.86	17.97	17.91	19.5	4.5	
Channel									
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	23.08	22.92	23.00	24.0	0.0	
Channel									
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	23.10	22.94	22.98	24.0	0.0	
Channel									
Frequency (MHz)				16530	16730	16930	Tune-up limit (dBm)	MPR (dB)	
				826.5	836.5	846.5			
5	QPSK	1	1	23.04	22.94	22.96	24.0	0.0	

n7 Ant1 Full Power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				505000	507000	509000			
				2505	2535	2545			
50	Pi/2 BPSK	1	1	23.49	23.56	23.46			
50	Pi/2 BPSK	1	135	23.28	23.35	23.30	24.0	0.0	
50	Pi/2 BPSK	1	268	23.27	23.38	23.33			
50	Pi/2 BPSK	135	0	22.83	22.91	22.84	23.5	0.5	
50	Pi/2 BPSK	135	68	23.24	23.33	23.26	24.0	0.0	
50	Pi/2 BPSK	135	135	22.83	22.94	22.84	23.5	0.5	
50	Pi/2 BPSK	270	0	22.78	22.87	22.81			
50	QPSK	1	1	23.05	23.12	23.06			
50	QPSK	1	135	23.44	23.51	23.44	24.0	0.0	
50	QPSK	1	268	23.44	23.54	23.47			
50	QPSK	135	0	22.34	22.41	22.33	23.0	1.0	
50	QPSK	135	68	23.31	23.41	23.32	24.0	0.0	
50	QPSK	135	135	22.42	22.47	22.39	23.0	1.0	
50	QPSK	270	0	22.34	22.43	22.35	23.0	1.0	
50	16QAM	1	1	22.61	22.70	22.60	21.5	2.5	
50	64QAM	1	1	21.27	21.33	21.27	21.5	2.5	
50	256QAM	1	1	18.56	18.66	18.57	19.5	4.5	
Channel									
Frequency (MHz)				5050	5055	5050	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	23.54	23.65	23.49	24.0	0.0	
Channel									
Frequency (MHz)				505000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
				2515	2535	2555			
30	QPSK	1	1	23.58	23.63	23.49	24.0	0.0	
Channel									
Frequency (MHz)				505000	507000	511500	Tune-up limit (dBm)	MPR (dB)	
				2512.5	2535	2557.5			
25	QPSK	1	1	23.59	23.62	23.45	24.0	0.0	
Channel									
Frequency (MHz)				505000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
				2510	2535	2560			
20	QPSK	1	1	23.55	23.61	23.43	24.0	0.0	
Channel									
Frequency (MHz)				505000	507000	512500	Tune-up limit (dBm)	MPR (dB)	
				2507.5	2535	2562.5			
15	QPSK	1	1	23.46	23.52	23.34	24.0	0.0	
Channel									
Frequency (MHz)				505000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
				2505	2535	2565			
10	QPSK	1	1	23.42	23.50	23.33	24.0	0.0	
Channel									
Frequency (MHz)				505000	507000	513500	Tune-up limit (dBm)	MPR (dB)	
				2502.5	2535	2567.5			
5	QPSK	1	1	23.45	23.51	23.36	24.0	0.0	

n7 Ant2 Full Power									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	PI2 BPSK	1	1	22.69	22.86	22.69	24.0	0.0	
50	PI2 BPSK	1	135	22.84	22.84	22.84			
50	PI2 BPSK	1	265	22.71	22.83	22.71			
50	PI2 BPSK	135	0	22.52	22.70	22.52	23.5	0.5	
50	PI2 BPSK	135	65	22.64	22.81	22.64	24.0	0.0	
50	PI2 BPSK	135	135	22.67	22.84	22.67	23.5	0.5	
50	PI2 BPSK	270	0	22.68	22.73	22.69			
50	QPSK	1	1	22.80	22.98	22.80			
50	QPSK	1	135	22.72	22.81	22.72	24.0	0.0	
50	QPSK	1	268	22.79	22.82	22.79	23.0	1.0	
50	QPSK	135	0	22.11	22.21	22.11			
50	QPSK	135	65	22.82	22.95	22.82			
50	QPSK	135	135	22.22	22.33	22.22	23.0	1.0	
50	QPSK	270	0	22.24	22.25	22.24	23.0	1.0	
50	16QAM	1	1	20.51	20.51	20.51			
50	64QAM	1	1	20.59	20.77	20.59			
50	256QAM	1	1	18.03	18.09	18.03	19.5	4.5	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.66	22.71	22.63	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.66	22.66	22.59	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.66	22.66	22.59	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.67	22.69	22.62	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.54	22.75	22.60	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.50	22.65	22.67	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.53	22.62	22.60	24.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.55	22.76	22.50	24.0	0.0	

n66 Ant1 Full Power											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
40	PI2 BPSK	1	1	23.05	23.11	23.04	24.0	0.0			
40	PI2 BPSK	1	108	23.06	23.17	23.08					
40	PI2 BPSK	1	214	23.16	23.24	23.18					
40	PI2 BPSK	108	0	22.53	22.61	22.55	23.5	0.5			
40	PI2 BPSK	108	54	22.99	23.07	22.99	24.0	0.0			
40	PI2 BPSK	108	108	22.68	22.77	22.69	23.5	0.5			
40	PI2 BPSK	216	0	22.50	22.59	22.52					
40	QPSK	1	1	23.08	23.30	23.21					
40	QPSK	1	108	23.02	23.12	23.05	24.0	0.0			
40	QPSK	1	214	23.09	23.20	23.15	23.0	1.0			
40	QPSK	108	0	22.04	22.12	22.08					
40	QPSK	108	54	23.12	23.21	23.14					
40	QPSK	108	108	22.24	22.34	22.25	23.0	1.0			
40	QPSK	216	0	22.02	22.10	22.02	23.0	1.0			
40	16QAM	1	1	21.90	21.99	21.90					
40	64QAM	1	1	20.78	20.91	20.84		23.5		2.5	
40	256QAM	1	1	18.39	18.48	18.40	19.5	4.5			
Channel											
Frequency (MHz)											
30	QPSK	1	1	23.00	23.20	23.14	24.0	0.0			
Channel											
Frequency (MHz)											
20	QPSK	1	1	22.96	23.22	23.13	24.0	0.0			
Channel											
Frequency (MHz)											
15	QPSK	1	1	22.87	23.13	23.05	24.0	0.0			
Channel											
Frequency (MHz)											
10	QPSK	1	1	22.87	23.11	23.05	24.0	0.0			
Channel											
Frequency (MHz)											
5	QPSK	1	1	22.89	23.12	23.05	24.0	MPR (dB)			

n66 Ant2 Full Power											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
40	PI2 BPSK	1	1	21.97	22.05	21.98	23.0	0.0			
40	PI2 BPSK	1	108	22.03	22.06	22.10					
40	PI2 BPSK	1	214	21.98	22.07	21.98					
40	PI2 BPSK	108	0	20.61	20.58	20.63	22.5	0.5			
40	PI2 BPSK	108	54	22.04	22.07	22.13	23.0	0.0			
40	PI2 BPSK	108	108	20.72	20.65	20.58	22.5	0.5			
40	PI2 BPSK	216	0	20.72	20.63	20.62					
40	QPSK	1	1	22.09	22.28	22.15					
40	QPSK	1	108	22.09	22.01	21.92	23.0	0.0			
40	QPSK	1	214	22.05	22.04	22.05	22.0	1.0			
40	QPSK	108	0	20.65	20.64	20.72					
40	QPSK	108	54	22.02	22.14	21.94					
40	QPSK	108	108	20.17	20.22	20.22	22.0	1.0			
40	QPSK	216	0	20.09	20.11	20.10	22.0	1.0			
40	16QAM	1	1	20.17	20.01	20.13					
40	64QAM	1	1	18.74	18.67	18.74		2.5			
40	256QAM	1	1	16.53	16.62	16.65	18.5	4.5			
Channel											
Frequency (MHz)											
30	QPSK	1	1	21.96	22.05	22.17	23.0	0.0			
Channel											
Frequency (MHz)											
20	QPSK	1	1	22.15	21.98	22.21	23.0	0.0			
Channel											
Frequency (MHz)											
15	QPSK	1	1	22.02	22.19	22.05	23.0	0.0			
Channel											
Frequency (MHz)											
10	QPSK	1	1	21.84	22.21	22.14	23.0	0.0			
Channel											
Frequency (MHz)											
5	QPSK	1	1	22.12	22.17	22.05	23.0	0.0			

n38 Ant1 Full Power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996	24.0	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	23.54	23.65	23.55	24.0	0.0	
40	PI/2 BPSK	1	53	23.54	23.61	23.52			
40	PI/2 BPSK	1	104	23.43	23.54	23.47			
40	PI/2 BPSK	50	0	23.00	23.06	22.98	23.5	0.5	
40	PI/2 BPSK	50	28	23.43	23.50	23.42	24.0	0.0	
40	PI/2 BPSK	50	56	22.87	22.95	22.87	23.5	0.5	
40	PI/2 BPSK	100	0	22.93	22.99	22.93			
40	QPSK	1	1	23.65	23.75	23.74	24.0	0.0	
40	QPSK	1	53	23.44	23.54	23.43			
40	QPSK	1	104	23.45	23.53	23.43			
40	QPSK	50	0	22.54	22.62	22.51	23.0	1.0	
40	QPSK	50	28	23.49	23.55	23.45	24.0	0.0	
40	QPSK	50	56	22.42	22.52	22.45	23.0	1.0	
40	QPSK	100	0	22.53	22.59	22.53			
40	16QAM	1	1	22.54	22.62	22.56	23.0	1.0	
40	64QAM	1	1	21.20	21.40	21.33	21.5	2.5	
40	256QAM	1	1	19.90	19.95	19.89	19.5	4.5	
Channel				517002	519000	520998	24.0	0.0	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	23.59	23.60	23.53	24.0	0.0	
Channel				516000	519000	522000	24.0	0.0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	23.53	23.56	23.63	24.0	0.0	

n38 Ant2 Full Power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519998	24.0	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	22.59	22.61	22.60	24.0	0.0	
40	PI/2 BPSK	1	53	22.37	22.55	22.51			
40	PI/2 BPSK	1	104	22.43	22.45	22.39			
40	PI/2 BPSK	50	0	22.03	22.04	21.93	23.5	0.5	
40	PI/2 BPSK	50	28	22.35	22.53	22.51	24.0	0.0	
40	PI/2 BPSK	50	56	21.95	22.02	22.02	23.5	0.5	
40	PI/2 BPSK	100	0	21.81	21.98	21.87			
40	QPSK	1	1	22.54	22.69	22.54	24.0	0.0	
40	QPSK	1	53	22.45	22.58	22.39			
40	QPSK	1	104	22.34	22.53	22.39			
40	QPSK	50	0	21.56	21.60	21.41	23.0	1.0	
40	QPSK	50	28	22.37	22.50	22.36	24.0	0.0	
40	QPSK	50	56	21.44	21.50	21.35	23.0	1.0	
40	QPSK	100	0	21.35	21.49	21.32			
40	16QAM	1	1	21.70	21.84	21.68	23.0	1.0	
40	64QAM	1	1	20.22	20.25	20.16	21.5	2.5	
40	256QAM	1	1	17.84	17.87	17.80	19.5	4.5	
Channel				517002	519000	520998	24.0	0.0	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	22.43	22.37	22.37	24.0	0.0	
Channel				516000	519000	522000	24.0	0.0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	22.25	22.36	22.43	24.0	0.0	

Part 27O n77 Ant4 Full Power								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				656000				
Frequency (MHz)				3540				
100	PI/2 BPSK	1	1		22.64		24.0	0.0
100	PI/2 BPSK	1	137		22.65			
100	PI/2 BPSK	1	271		22.57			
100	PI/2 BPSK	135	0		22.11		23.5	0.5
100	PI/2 BPSK	135	69		22.58		24.0	0.0
100	PI/2 BPSK	135	138		22.06		23.5	0.5
100	PI/2 BPSK	270	0		22.05			
100	QPSK	1	1		22.69			
100	QPSK	1	137		22.66		24.0	0.0
100	QPSK	1	271		22.68			
100	QPSK	135	0		21.66		23.0	1.0
100	QPSK	135	69		22.53		24.0	0.0
100	QPSK	135	138		21.56		23.0	1.0
100	QPSK	270	0		21.57		23.0	1.0
100	16QAM	1	1		21.52		23.0	1.0
100	64QAM	1	1		20.09		21.5	2.5
100	256QAM	1	1		18.22		19.5	4.5
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.30	22.45	22.41	24.0	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	22.21	22.43	22.25	24.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	22.34	22.29	22.33	24.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	22.33	22.45	22.27	24.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	22.36	22.35	22.40	24.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	22.21	22.37	22.32	24.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	22.38	22.39	22.23	24.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	22.32	22.41	22.33	24.0	0.0

Part27Q n77 Ant4 Full Power								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1		22.64		24.0	0.0
100	PI/2 BPSK	1	137		22.77			
100	PI/2 BPSK	1	271		22.72			
100	PI/2 BPSK	135	0		22.18		23.5	0.5
100	PI/2 BPSK	135	69		22.75		24.0	0.0
100	PI/2 BPSK	135	138		22.34		23.5	0.5
100	PI/2 BPSK	270	0		22.28			
100	QPSK	1	1		22.79		24.0	0.0
100	QPSK	1	137		22.78			
100	QPSK	1	271		22.69			
100	QPSK	135	0		21.76		23.0	1.0
100	QPSK	135	69		22.75		24.0	0.0
100	QPSK	135	138		21.83		23.0	1.0
100	QPSK	270	0		21.84			
100	16QAM	1	1		21.63		23.0	1.0
100	64QAM	1	1		20.12		21.5	2.5
100	256QAM	1	1		18.47		19.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	22.58	22.61	22.70	24.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	22.57	22.42	22.56	24.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	22.56	22.58	22.62	24.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	22.45	22.59	22.51	24.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	22.48	22.42	22.55	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	22.55	22.45	22.60	24.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	22.57	22.52	22.52	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	22.42	22.60	22.68	24.0	0.0

Part 270 n78 Ant4 Full Power								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000				
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1		23.17		24.0	0.0
100	PI/2 BPSK	1	137		23.29			
100	PI/2 BPSK	1	271		23.21			
100	PI/2 BPSK	135	0		22.66			
100	PI/2 BPSK	135	69		23.20		24.0	0.0
100	PI/2 BPSK	135	138		22.65		23.5	0.5
100	PI/2 BPSK	270	0		22.66			
100	QPSK	1	1		23.36		24.0	0.0
100	QPSK	1	137		23.34			
100	QPSK	1	271		23.33			
100	QPSK	135	0		22.22			
100	QPSK	135	69		23.21		23.0	1.0
100	QPSK	135	138		22.13		23.0	1.0
100	QPSK	270	0		22.28			
100	16QAM	1	1		22.10		23.0	1.0
100	64QAM	1	1		20.68		21.5	2.5
100	256QAM	1	1		18.72		19.5	4.5
Channel				649668	650000	650334		
Frequency (MHz)				3745.02	3750	3755.01	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1		23.10	23.18	24.0	0.0
Channel				649334	650000	650668		
Frequency (MHz)				3740.01	3750	3760.02	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1		23.20	23.21	24.0	0.0
Channel				649000	650000	651000		
Frequency (MHz)				3735	3750	3765	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1		23.10	23.22	23.30	0.0
Channel				648668	650000	651334		
Frequency (MHz)				3730.02	3750	3770.01	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1		23.07	23.11	23.20	0.0
Channel				648334	650000	651668		
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1		23.22	23.10	23.16	0.0
Channel				648000	650000	652000		
Frequency (MHz)				3720	3750	3780	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1		23.05	23.24	23.23	0.0
Channel				647668	650000	652334		
Frequency (MHz)				3715.02	3750	3785.01	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1		23.10	23.08	23.15	0.0
Channel				647334	650000	652668		
Frequency (MHz)				3710.01	3750	3790.02	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1		23.20	23.01	23.26	0.0

Part27Q n78 Ant4 Full Power								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633000				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1		23.08		24.0	0.0
100	PI/2 BPSK	1	137		23.34			
100	PI/2 BPSK	1	271		23.21			
100	PI/2 BPSK	135	0		22.70			
100	PI/2 BPSK	135	69		23.28		24.0	0.0
100	PI/2 BPSK	135	138		22.84			
100	PI/2 BPSK	270	0		22.79		23.5	0.5
100	QPSK	1	1		23.49		24.0	0.0
100	QPSK	1	137		23.41			
100	QPSK	1	271		23.34			
100	QPSK	135	0		22.19			
100	QPSK	135	69		23.35		24.0	0.0
100	QPSK	135	138		22.41			
100	QPSK	270	0		22.34		23.0	1.0
100	16QAM	1	1		21.36		23.0	1.0
100	64QAM	1	1		20.85		21.5	2.5
100	256QAM	1	1		18.98		19.5	4.5
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1		23.16	23.11	23.28	0.0
Channel				632668	633334	634000		
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1		23.00	23.28	23.15	0.0
Channel				632334	633334	634334		
Frequency (MHz)				3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1		23.21	23.33	23.09	0.0
Channel				632000	633334	634668		
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1		23.17	23.18	23.22	0.0
Channel				631668	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1		23.18	23.25	23.09	0.0
Channel				631334	633334	635334		
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1		23.19	23.14	23.39	0.0
Channel				631000	633334	635668		
Frequency (MHz)				3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1		23.25	23.17	23.33	0.0
Channel				630668	633334	636000		
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1		23.16	23.22	23.12	0.0



Reduced Power Mode for 5G NR

n5 Ant1 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq	Power Middle Ch. F.Freq	Power High Ch. F.Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	Pl2 BPSK	1	1	23.30	23.40	23.32	24.0	0.0	
20	Pl2 BPSK	1	53	23.28	23.38	23.30			
20	Pl2 BPSK	1	104	23.09	23.14	23.03			
20	Pl2 BPSK	50	0	22.50	22.58	22.52	23.5	0.5	
20	Pl2 BPSK	50	28	23.04	23.11	23.05	24.0	0.0	
20	Pl2 BPSK	50	56	21.52	21.61	21.54	23.5	0.5	
20	Pl2 BPSK	100	0	22.51	22.57	22.51			
20	QPSK	1	1	23.38	23.42	23.33			
20	QPSK	1	53	23.16	23.23	23.17	24.0	0.0	
20	QPSK	1	104	22.99	23.05	22.96	24.0	1.0	
20	QPSK	50	0	22.09	22.14	22.05			
20	QPSK	50	28	23.12	23.19	23.11			
20	QPSK	50	56	21.87	21.94	21.84	23.0	1.0	
20	QPSK	100	0	22.00	22.07	21.97	23.0	1.0	
20	16QAM	1	1	22.10	22.17	22.08			
20	64QAM	1	1	20.63	20.70	20.61			
20	256QAM	1	1	18.41	18.48	18.41	19.5	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	23.27	23.37	23.29	24.0	0.0	
Channel				162000	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	23.30	23.33	23.26	24.0	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	23.28	23.34	23.27	24.0	0.0	

n5 Ant2 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq	Power Middle Ch. F.Freq	Power High Ch. F.Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	Pl2 BPSK	1	1	21.91	21.95	21.89	23.4	0.0	
20	Pl2 BPSK	1	53	21.81	21.85	21.80			
20	Pl2 BPSK	1	104	21.90	21.94	21.88			
20	Pl2 BPSK	50	0	21.62	21.67	21.62	23.4	0.0	
20	Pl2 BPSK	50	28	21.96	21.98	21.95	23.4	0.0	
20	Pl2 BPSK	50	56	21.81	21.85	21.88	23.4	0.0	
20	Pl2 BPSK	100	0	21.63	21.67	21.54			
20	QPSK	1	1	22.02	22.04	21.97			
20	QPSK	1	53	21.91	21.86	21.92	23.4	0.0	
20	QPSK	1	104	21.80	21.73	21.83	23.0	0.4	
20	QPSK	50	0	21.49	21.57	21.58			
20	QPSK	50	28	21.86	21.92	21.91			
20	QPSK	50	56	21.83	21.80	21.91	23.0	0.4	
20	QPSK	100	0	21.62	21.77	21.63	23.0	0.4	
20	16QAM	1	1	21.86	21.79	21.82			
20	64QAM	1	1	20.33	20.27	20.39			
20	256QAM	1	1	18.22	18.25	18.31	19.5	3.9	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	21.93	21.81	21.86	23.4	0.0	
Channel				162000	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	21.90	21.83	21.88	23.4	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	21.84	21.81	21.91	23.4	0.0	

n5 Ant2 DSI2 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq	Power Middle Ch. F.Freq	Power High Ch. F.Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	Pl2 BPSK	1	1	20.13	20.15	20.13	22.1	0.0	
20	Pl2 BPSK	1	53	19.90	19.94	19.92			
20	Pl2 BPSK	1	104	19.79	19.81	19.78			
20	Pl2 BPSK	50	0	20.08	20.09	20.04	22.1	0.0	
20	Pl2 BPSK	50	28	19.96	19.98	19.95	22.1	0.0	
20	Pl2 BPSK	50	56	19.75	19.83	19.77	22.1	0.0	
20	Pl2 BPSK	100	0	19.98	20.01	19.97			
20	QPSK	1	1	20.13	20.24	20.13			
20	QPSK	1	53	19.92	20.16	20.10	22.1	0.0	
20	QPSK	1	104	19.76	19.88	19.86	22.1	0.0	
20	QPSK	50	0	20.04	20.01	19.97			
20	QPSK	50	28	20.01	20.11	20.08			
20	QPSK	50	56	19.77	19.86	19.82	22.1	0.0	
20	QPSK	100	0	19.97	19.95	19.95	22.1	0.0	
20	16QAM	1	1	20.09	20.12	20.11			
20	64QAM	1	1	19.87	19.95	19.85			
20	256QAM	1	1	17.71	17.95	17.79	19.5	2.6	
Channel				20	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				820.1	836.5	841.5			
15	QPSK	1	1	20.10	20.23	20.11	22.1	0.0	
Channel				20	172300	173300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	20.11	20.19	20.11	22.1	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	20.10	20.19	20.09	22.1	0.0	

n7 Ant1 DSI2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				505000	507000	509000			
Frequency (MHz)				2525	2535	2545			
50	P12 BPSK	1	1	23.48	23.56	23.48			
50	P12 BPSK	1	135	23.28	23.35	23.30	24.0	0.0	
50	P12 BPSK	1	268	23.27	23.38	23.33			
50	P12 BPSK	135	0	22.83	22.91	22.84	24.0	0.0	
50	P12 BPSK	135	68	23.24	23.33	23.28	24.0	0.0	
50	P12 BPSK	135	135	22.83	22.94	22.84			
50	P12 BPSK	270	0	22.78	22.87	22.81			
50	QPSK	1	1	23.65	23.72	23.68			
50	QPSK	1	135	23.44	23.51	23.44	24.0	0.0	
50	QPSK	1	268	23.44	23.54	23.47			
50	QPSK	135	0	22.34	22.41	22.33	23.0	1.0	
50	QPSK	135	68	23.31	23.41	23.32	24.0	0.0	
50	QPSK	135	135	22.42	22.47	22.39			
50	QPSK	270	0	22.34	22.43	22.35	23.0	1.0	
50	16QAM	1	1	22.61	22.70	22.60	24.0	0.0	
50	64QAM	1	1	21.27	21.33	21.27	24.0	0.0	
50	256QAM	1	1	18.56	18.66	18.57	24.0	0.0	
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2520	2535	2550			
40	QPSK	1	1	23.54	23.65	23.49	24.0	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	23.58	23.63	23.49	24.0	0.0	
Channel				502000	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	23.59	23.62	23.45	24.0	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				23.55	23.61	23.43	24.0	0.0	
20	QPSK	1	1	23.55	23.61	23.43	24.0	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				23.57.5	2535	2557.5			
15	QPSK	1	1	23.43	23.52	23.34	24.0	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	23.42	23.50	23.33	24.0	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	23.45	23.51	23.36	24.0	0.0	

n7 Ant2 DSI2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				505000	507000	509000			
Frequency (MHz)				2525	2535	2545			
50	P12 BPSK	1	1	19.70	19.71	19.70			
50	P12 BPSK	1	135	19.67	19.69	19.62	21.0	0.0	
50	P12 BPSK	1	268	19.60	19.66	19.60			
50	P12 BPSK	135	0	19.46	19.51	19.44	21.0	0.0	
50	P12 BPSK	135	68	19.65	19.66	19.62	21.0	0.0	
50	P12 BPSK	135	135	19.61	19.66	19.63			
50	P12 BPSK	270	0	19.54	19.61	19.57			
50	QPSK	1	1	19.69	19.72	19.70			
50	QPSK	1	135	19.61	19.68	19.64	21.0	0.0	
50	QPSK	1	268	19.54	19.61	19.55			
50	QPSK	135	0	19.61	19.62	19.61	21.0	0.0	
50	QPSK	135	68	19.60	19.63	19.58	21.0	0.0	
50	QPSK	135	135	19.61	19.63	19.61			
50	QPSK	270	0	19.56	19.62	19.59			
50	16QAM	1	1	19.51	19.55	19.50	21.0	0.0	
50	64QAM	1	1	19.64	19.68	19.64	21.0	0.0	
50	256QAM	1	1	18.50	18.64	18.61	19.5	1.5	
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2520	2535	2550			
40	QPSK	1	1	19.63	19.63	19.62	21.0	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	19.65	19.66	19.62	21.0	0.0	
Channel				502000	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	19.61	19.68	19.65	21.0	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	19.59	19.68	19.64	21.0	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2557.5			
15	QPSK	1	1	19.60	19.62	19.65	21.0	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	19.61	19.64	19.64	21.0	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	19.61	19.66	19.63	21.0	0.0	

n7 Ant 2 DSI2 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				505000	507000	509000			
Frequency (MHz)				2525	2535	2545			
50	P12 BPSK	1	1	18.16	18.16	18.18			
50	P12 BPSK	1	135	18.18	18.16	18.08	19.7	0.0	
50	P12 BPSK	1	268	18.15	18.16	18.13			
50	P12 BPSK	135	0	17.94	17.97	17.89	19.7	0.0	
50	P12 BPSK	135	68	18.12	18.12	18.15	19.7	0.0	
50	P12 BPSK	135	135	18.12	18.16	18.11			
50	P12 BPSK	270	0	18.08	18.08	18.08	19.7	0.0	
50	QPSK	1	1	18.15	18.38	18.12			
50	QPSK	1	135	18.09	18.11	18.17	19.7	0.0	
50	QPSK	1	268	18.04	18.08	18.10			
50	QPSK	135	0	18.11	18.15	18.09	19.7	0.0	
50	QPSK	135	68	18.12	18.27	18.04	19.7	0.0	
50	QPSK	135	135	18.16	18.03	18.12	19.7	0.0	
50	QPSK	270	0	18.07	18.12	18.04			
50	16QAM	1	1	18.06	18.07	17.97	19.7	0.0	
50	64QAM	1	1	18.11	18.15	18.13	19.7	0.0	
50	256QAM	1	1	17.95	18.01	17.99	19.5	0.2	
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2520	2535	2550			
40	QPSK	1	1	18.07	18.31	18.06	19.7	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	18.07	18.33	18.07	19.7	0.0	
Channel				502000	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	18.08	18.30	18.07	19.7	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	18.10	18.29	18.08	19.7	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2557.5			
15	QPSK	1	1	18.09	18.28	18.05	19.7	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	18.09	18.32	18.05	19.7	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	18.06	18.30	18.02	19.7	0.0	

n66 Ant1 DS12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq	Power Middle Ch. F.Freq	Power High Ch. F.Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	Pl2 BPSK	1	1	23.05	23.11	23.04	24.0	0.0	
40	Pl2 BPSK	1	108	23.09	23.17	23.08			
40	Pl2 BPSK	1	214	23.16	23.24	23.18	24.0	0.0	
40	Pl2 BPSK	108	0	22.53	22.61	22.55			
40	Pl2 BPSK	108	54	22.99	23.07	22.99	24.0	0.0	
40	Pl2 BPSK	108	108	22.58	22.77	22.59			
40	Pl2 BPSK	216	0	22.50	22.59	22.52	24.0	0.0	
40	QPSK	1	1	23.08	23.30	23.21			
40	QPSK	1	108	23.02	23.12	23.05	24.0	0.0	
40	QPSK	1	214	23.09	23.20	23.15			
40	QPSK	108	0	22.04	22.12	22.06	24.0	0.0	
40	QPSK	108	54	23.12	23.21	23.14			
40	QPSK	108	108	22.24	22.34	22.25	24.0	0.0	
40	QPSK	216	0	22.02	22.10	22.02			
40	16QAM	1	1	21.90	21.99	21.90	24.0	0.0	
40	64QAM	1	1	20.78	20.81	20.84			
40	256QAM	1	1	18.39	18.48	18.40	24.0	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	23.00	23.20	23.14	24.0	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	22.96	23.22	23.13	24.0	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	22.87	23.13	23.05	5.9	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	22.87	23.11	23.05	5.9	0.0	
Channel				342000	349000	356000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	22.85	23.12	23.05	5.9	0.0	

n66 Ant2 DS12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq	Power Middle Ch. F.Freq	Power High Ch. F.Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	Pl2 BPSK	1	1	19.28	19.29	19.23	20.3	0.0	
40	Pl2 BPSK	1	108	19.29	19.32	19.30			
40	Pl2 BPSK	1	214	19.34	19.36	19.30	20.3	0.0	
40	Pl2 BPSK	108	0	19.31	19.34	19.29			
40	Pl2 BPSK	108	54	19.34	19.36	19.29	20.3	0.0	
40	Pl2 BPSK	108	108	19.26	19.31	19.24			
40	Pl2 BPSK	216	0	19.31	19.37	19.33	20.3	0.0	
40	QPSK	1	1	19.47	19.51	19.43			
40	QPSK	1	108	19.47	19.37	19.33	20.3	0.0	
40	QPSK	1	214	19.41	19.35	19.43			
40	QPSK	108	0	19.33	19.39	19.35	20.3	0.0	
40	QPSK	108	54	19.44	19.49	19.39			
40	QPSK	108	108	19.42	19.37	19.43	20.3	0.0	
40	QPSK	216	0	19.24	19.39	19.23			
40	16QAM	1	1	19.23	19.23	19.25	20.3	0.0	
40	64QAM	1	1	19.26	19.34	19.22			
40	256QAM	1	1	17.09	17.63	17.61	19.0	1.5	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	19.24	19.38	19.31	20.3	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	19.27	19.28	19.29	20.3	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	19.34	19.32	19.34	20.3	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	19.29	19.25	19.26	20.3	0.0	
Channel				342000	349000	356000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	19.31	19.33	19.35	20.3	0.0	

n66 Ant2 DS12 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq	Power Middle Ch. F.Freq	Power High Ch. F.Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	Pl2 BPSK	1	1	18.24	18.34	18.27	19.0	0.0	
40	Pl2 BPSK	1	108	18.16	18.25	18.18			
40	Pl2 BPSK	1	214	18.28	18.35	18.29	19.0	0.0	
40	Pl2 BPSK	108	0	18.17	18.25	18.21			
40	Pl2 BPSK	108	54	18.17	18.25	18.19	19.0	0.0	
40	Pl2 BPSK	108	108	18.30	18.40	18.35			
40	Pl2 BPSK	216	0	18.30	18.36	18.31	19.0	0.0	
40	QPSK	1	1	18.42	18.51	18.41			
40	QPSK	1	108	18.24	18.32	18.26	19.0	0.0	
40	QPSK	1	214	18.31	18.38	18.30			
40	QPSK	108	0	18.21	18.29	18.25	19.0	0.0	
40	QPSK	108	54	18.38	18.44	18.41			
40	QPSK	108	108	18.39	18.36	18.36	19.0	0.0	
40	QPSK	216	0	18.32	18.38	18.30			
40	16QAM	1	1	18.13	18.19	18.09	19.0	0.0	
40	64QAM	1	1	18.31	18.39	18.34			
40	256QAM	1	1	17.70	17.76	17.70	19.0	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	18.38	18.46	18.35	19.0	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	18.37	18.44	18.36	19.0	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	18.33	18.41	18.38	19.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	18.33	18.42	18.39	19.0	0.0	
Channel				342000	349000	356000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	18.35	18.46	18.33	19.0	0.0	

n38 Ant1 DS12									
BW [kHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Power	Power Max Ch. 1 Power	Power High Ch. 1 Power	Turn-up time (dB)	MPE (dB)	
Channel									
Frequency (MHz)									
40	Proc BPSK	1	1	23.24	23.25	23.25			
40	Proc BPSK	1	50	23.24	23.25	23.25	24.0	0.0	
40	Proc BPSK	1	104	23.43	23.54	23.47			
40	Proc BPSK	50	0	23.25	23.25	23.25	23.5	0.0	
40	Proc BPSK	50	20	23.43	23.32	23.47	23.0	0.0	
40	Proc BPSK	50	36	23.43	23.32	23.47	23.0	0.0	
40	Proc BPSK	100	0	23.25	23.25	23.25	23.5	0.0	
40	QPSK	1	1	23.25	23.25	23.25			
40	QPSK	1	50	23.44	23.54	23.47	24.0	0.0	
40	QPSK	1	104	23.45	23.53	23.47			
40	QPSK	50	0	23.24	23.25	23.25	23.0	0.0	
40	QPSK	50	20	23.43	23.33	23.47	24.0	0.0	
40	QPSK	50	36	23.43	23.33	23.47	24.0	0.0	
40	QPSK	100	0	23.25	23.25	23.25	24.0	0.0	
40	16QAM	1	1	23.24	23.43	23.25	23.0	1.0	
40	16QAM	1	1	21.42	21.42	21.33	21.5	2.5	
40	256QAM	1	1	19.40	19.40	19.37	19.2	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.25	23.25	23.25	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.23	23.25	23.23	24.0	0.0	

n38 Ant2 DS12									
BW [kHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Power	Power Max Ch. 1 Power	Power High Ch. 1 Power	Turn-up time (dB)	MPE (dB)	
Channel									
Frequency (MHz)									
40	Proc BPSK	1	1	19.44	19.34	19.40			
40	Proc BPSK	1	50	19.45	19.40	19.47	20.2	0.0	
40	Proc BPSK	1	104	19.44	19.38	19.44			
40	Proc BPSK	50	0	19.25	19.25	19.27	20.2	0.0	
40	Proc BPSK	50	20	19.54	19.42	19.37	20.2	0.0	
40	Proc BPSK	50	36	19.54	19.40	19.37	20.2	0.0	
40	Proc BPSK	100	0	19.35	19.37	19.35	20.2	0.0	
40	QPSK	1	1	19.45	19.35	19.41			
40	QPSK	1	50	19.48	19.25	19.40	20.2	0.0	
40	QPSK	1	104	19.34	19.44	19.40			
40	QPSK	50	0	19.43	19.27	19.37	20.2	0.0	
40	QPSK	50	20	19.43	19.44	19.39	20.2	0.0	
40	QPSK	50	36	19.41	19.23	19.40	20.2	0.0	
40	QPSK	100	0	19.30	19.47	19.39	20.2	0.0	
40	16QAM	1	1	19.37	19.29	19.27	20.2	0.0	
40	16QAM	1	1	19.42	19.34	19.39	20.2	0.0	
40	256QAM	1	1	19.40	19.40	19.40	20.2	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	19.43	19.40	19.37	20.2	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	19.40	19.40	19.37	20.2	0.0	

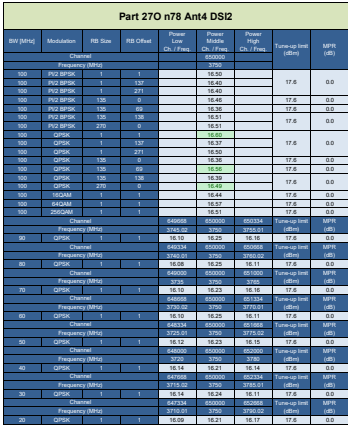
n38 Ant2 DS12 Simultaneous									
BW [kHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Power	Power Max Ch. 1 Power	Power High Ch. 1 Power	Turn-up time (dB)	MPE (dB)	
Channel									
Frequency (MHz)									
40	Proc BPSK	1	1	17.89	17.85	17.85			
40	Proc BPSK	1	50	17.85	17.85	17.75	18.0	0.0	
40	Proc BPSK	1	104	17.80	17.82	17.81			
40	Proc BPSK	50	0	17.80	17.82	17.75	18.0	0.0	
40	Proc BPSK	50	20	17.79	17.82	17.81	18.0	0.0	
40	Proc BPSK	50	36	17.78	17.80	17.79	18.0	0.0	
40	Proc BPSK	100	0	17.74	17.77	17.75			
40	QPSK	1	1	17.80	17.87	17.75			
40	QPSK	1	50	17.79	17.75	17.80	18.0	0.0	
40	QPSK	1	104	17.79	17.75	17.80			
40	QPSK	50	0	17.82	17.75	17.78	18.0	0.0	
40	QPSK	50	20	17.84	17.82	17.79	18.0	0.0	
40	QPSK	50	36	17.81	17.77	17.84			
40	QPSK	100	0	17.75	17.80	17.75	18.0	0.0	
40	16QAM	1	1	17.80	17.74	17.85	18.0	0.0	
40	16QAM	1	1	17.84	17.80	17.80	18.0	0.0	
40	256QAM	1	1	17.80	17.80	17.80	18.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	17.82	18.00	17.70	18.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	17.85	17.87	17.74	18.0	0.0	

Part 270 n77 Ant4 DS12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac]	Power Media Ch. [Frac]	Power High Ch. [Frac]	Turn-up time (dB)	MFR (dB)	
Channel									
Frequency [MHz]									
100	P25 BPSK	1	1	15.81				17.6	0.0
100	P25 BPSK	1	137	15.87					
100	P25 BPSK	1	271	15.97				17.6	0.0
100	P25 BPSK	135	0	15.93				17.6	0.0
100	P25 BPSK	135	66	15.95				17.6	0.0
100	P25 BPSK	270	0	15.95				17.6	0.0
100	QPSK	1	1	15.95				17.6	0.0
100	QPSK	1	137	15.95					
100	QPSK	1	271	15.98				17.6	0.0
100	QPSK	135	0	15.97				17.6	0.0
100	QPSK	135	66	15.98				17.6	0.0
100	QPSK	270	0	15.98				17.6	0.0
100	16QAM	1	1	15.97				17.6	0.0
100	16QAM	1	1	15.98				17.6	0.0
100	256QAM	1	1	15.99				17.6	0.0
Channel									
100	Frequency [MHz]	54685	54685	54685	54685	54685	Turn-up time (dB)	MFR	
90	QPSK	1	1	16.10	16.11	16.13	17.6	0.0	
Channel									
90	Frequency [MHz]	54624	54624	54624	54624	54624	Turn-up time (dB)	MFR	
80	QPSK	1	1	16.13	16.20	16.14	17.6	0.0	
Channel									
70	QPSK	1	1	16.11	16.20	16.16	17.6	0.0	
Channel									
70	Frequency [MHz]	54686	54686	54686	54686	54686	Turn-up time (dB)	MFR	
80	QPSK	1	1	16.14	16.20	16.13	17.6	0.0	
Channel									
80	Frequency [MHz]	54622	54622	54622	54622	54622	Turn-up time (dB)	MFR	
50	QPSK	1	1	16.12	16.26	16.16	17.6	0.0	
Channel									
50	Frequency [MHz]	54688	54688	54688	54688	54688	Turn-up time (dB)	MFR	
40	QPSK	1	1	16.10	16.20	16.17	17.6	0.0	
Channel									
30	QPSK	1	1	16.08	16.20	16.15	17.6	0.0	
Channel									
30	Frequency [MHz]	54710	54710	54710	54710	54710	Turn-up time (dB)	MFR	
20	QPSK	1	1	16.11	16.19	16.15	17.6	0.0	

Part 270 n77 Ant4 DS12 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac]	Power Media Ch. [Frac]	Power High Ch. [Frac]	Turn-up time (dB)	MFR (dB)	
Channel									
Frequency [MHz]									
100	P25 BPSK	1	1	15.87				16.3	0.0
100	P25 BPSK	1	137	15.93					
100	P25 BPSK	1	271	15.97				16.3	0.0
100	P25 BPSK	135	0	15.97				16.3	0.0
100	P25 BPSK	135	66	15.98				16.3	0.0
100	P25 BPSK	270	0	15.98				16.3	0.0
100	QPSK	1	1	15.97				16.3	0.0
100	QPSK	1	137	15.97					
100	QPSK	1	271	15.98				16.3	0.0
100	QPSK	135	0	15.98				16.3	0.0
100	QPSK	135	66	15.98				16.3	0.0
100	QPSK	270	0	15.98				16.3	0.0
100	16QAM	1	1	15.97				16.3	0.0
100	16QAM	1	1	15.98				16.3	0.0
100	256QAM	1	1	15.99				16.3	0.0
Channel									
80	QPSK	1	1	16.0555	16.0555	16.0555	17.6	0.0	MFR
Channel									
80	Frequency [MHz]	54624	54624	54624	54624	54624	Turn-up time (dB)	MFR	
80	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	Frequency [MHz]	54686	54686	54686	54686	54686	Turn-up time (dB)	MFR	
80	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	Frequency [MHz]	54688	54688	54688	54688	54688	Turn-up time (dB)	MFR	
80	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	Frequency [MHz]	54690	54690	54690	54690	54690	Turn-up time (dB)	MFR	
80	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	Frequency [MHz]	54692	54692	54692	54692	54692	Turn-up time (dB)	MFR	
80	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	Frequency [MHz]	54694	54694	54694	54694	54694	Turn-up time (dB)	MFR	
80	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	Frequency [MHz]	54696	54696	54696	54696	54696	Turn-up time (dB)	MFR	
80	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	Frequency [MHz]	54698	54698	54698	54698	54698	Turn-up time (dB)	MFR	
80	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	Frequency [MHz]	54700	54700	54700	54700	54700	Turn-up time (dB)	MFR	
80	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	Frequency [MHz]	54702	54702	54702	54702	54702	Turn-up time (dB)	MFR	
80	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	Frequency [MHz]	54704	54704	54704	54704	54704	Turn-up time (dB)	MFR	
80	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	Frequency [MHz]	54706	54706	54706	54706	54706	Turn-up time (dB)	MFR	
80	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	Frequency [MHz]	54708	54708	54708	54708	54708	Turn-up time (dB)	MFR	
80	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	Frequency [MHz]	54710	54710	54710	54710	54710	Turn-up time (dB)	MFR	
80	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	Frequency [MHz]	54712	54712	54712	54712	54712	Turn-up time (dB)	MFR	
80	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	Frequency [MHz]	54714	54714	54714	54714	54714	Turn-up time (dB)	MFR	
80	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	Frequency [MHz]	54716	54716	54716	54716	54716	Turn-up time (dB)	MFR	
80	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	Frequency [MHz]	54718	54718	54718	54718	54718	Turn-up time (dB)	MFR	
80	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	Frequency [MHz]	54720	54720	54720	54720	54720	Turn-up time (dB)	MFR	
80	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	Frequency [MHz]	54722	54722	54722	54722	54722	Turn-up time (dB)	MFR	
80	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	Frequency [MHz]	54724	54724	54724	54724	54724	Turn-up time (dB)	MFR	
80	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	Frequency [MHz]	54726	54726	54726	54726	54726	Turn-up time (dB)	MFR	
80	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	Frequency [MHz]	54728	54728	54728	54728	54728	Turn-up time (dB)	MFR	
80	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	Frequency [MHz]	54730	54730	54730	54730	54730	Turn-up time (dB)	MFR	
80	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	Frequency [MHz]	54732	54732	54732	54732	54732	Turn-up time (dB)	MFR	
80	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	Frequency [MHz]	54734	54734	54734	54734	54734	Turn-up time (dB)	MFR	
80	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	Frequency [MHz]	54736	54736	54736	54736	54736	Turn-up time (dB)	MFR	
80	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	Frequency [MHz]	54738	54738	54738	54738	54738	Turn-up time (dB)	MFR	
80	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	Frequency [MHz]	54740	54740	54740	54740	54740	Turn-up time (dB)	MFR	
80	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	Frequency [MHz]	54742	54742	54742	54742	54742	Turn-up time (dB)	MFR	
80	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	Frequency [MHz]	54744	54744	54744	54744	54744	Turn-up time (dB)	MFR	
80	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	Frequency [MHz]	54746	54746	54746	54746	54746	Turn-up time (dB)	MFR	
80	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	Frequency [MHz]	54748	54748	54748	54748	54748	Turn-up time (dB)	MFR	
80	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	Frequency [MHz]	54750	54750	54750	54750	54750	Turn-up time (dB)	MFR	
80	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	Frequency [MHz]	54752	54752	54752	54752	54752	Turn-up time (dB)	MFR	
80	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	Frequency [MHz]	54754	54754	54754	54754	54754	Turn-up time (dB)	MFR	
80	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	Frequency [MHz]	54756	54756	54756	54756	54756	Turn-up time (dB)	MFR	
80	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	Frequency [MHz]	54758	54758	54758	54758	54758	Turn-up time (dB)	MFR	
80	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	Frequency [MHz]	54760	54760	54760	54760	54760	Turn-up time (dB)	MFR	
80	QPSK	1	1	16.10	16.10	16.10	17.6	0.0	MFR
Channel									
70	QPSK								

Part270 n77 Ant4 DS12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac]	Power Media Ch. [Frac]	Power High Ch. [Frac]	Turn-up time (dB)	MFR (dB)	
Channel									
Frequency [MHz]									
100	P25 BPSK	1	1	16.20				17.6	0.0
100	P25 BPSK	1	137	16.23					
100	P25 BPSK	1	271	16.29				17.6	0.0
100	P25 BPSK	135	0	16.29				17.6	0.0
100	P25 BPSK	135	66	16.30				17.6	0.0
100	P25 BPSK	270	0	16.30				17.6	0.0
100	QPSK	1	1	16.29				17.6	0.0
100	QPSK	1	137	16.29					
100	QPSK	1	271	16.41				17.6	0.0
100	QPSK	135	0	16.41				17.6	0.0
100	QPSK	135	66	16.42				17.6	0.0
100	QPSK	270	0	16.42				17.6	0.0
100	16QAM	1	1	16.40				17.6	0.0
100	16QAM	1	1	16.42				17.6	0.0
100	256QAM	1	1	16.43				17.6	0.0
Channel				54600	54630	54660	Turn-up time (dB)	MFR	
90	QPSK	1	1	16.20	16.31	16.33	17.6	0.0	
Channel				54612	54642	54672	Turn-up time (dB)	MFR	
80	Frequency [MHz]	54688	54688	54688	54688	54688	Turn-up time (dB)	MFR	
80	QPSK	1	1	16.22	16.30	16.33	17.6	0.0	
Channel				54622	54652	54682	Turn-up time (dB)	MFR	
70	Frequency [MHz]	54686	54686	54686	54686	54686	Turn-up time (dB)	MFR	
70	QPSK	1	1	16.30	16.31	16.33	17.6	0.0	
Channel				54686	54696	54706	Turn-up time (dB)	MFR	
80	Frequency [MHz]	54684	54684	54684	54684	54684	Turn-up time (dB)	MFR	
80	QPSK	1	1	16.30	16.33	16.33	17.6	0.0	
Channel				54684	54694	54704	Turn-up time (dB)	MFR	
80	Frequency [MHz]	54682	54682	54682	54682	54682	Turn-up time (dB)	MFR	
50	QPSK	1	1	16.34	16.36	16.33	17.6	0.0	
Channel				54694	54704	54714	Turn-up time (dB)	MFR	
40	QPSK	1	1	16.30	16.32	16.33	17.6	0.0	
Channel				54698	54708	54718	Turn-up time (dB)	MFR	
30	QPSK	1	1	16.29	16.30	16.33	17.6	0.0	
Channel				54700	54710	54720	Turn-up time (dB)	MFR	
30	Frequency [MHz]	54692	54692	54692	54692	54692	Turn-up time (dB)	MFR	
30	QPSK	1	1	16.29	16.30	16.33	17.6	0.0	

Part27Q n77 Ant4 DS12 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac]	Power Media Ch. [Frac]	Power High Ch. [Frac]	Turn-up time (dB)	MFR (dB)	
Channel									
Frequency [MHz]									
100	P25 BPSK	1	1	16.43				16.3	0.0
100	P25 BPSK	1	137	16.47					
100	P25 BPSK	1	271	16.47				16.3	0.0
100	P25 BPSK	135	0	16.44				16.3	0.0
100	P25 BPSK	135	66	16.45				16.3	0.0
100	P25 BPSK	270	0	16.45				16.3	0.0
100	QPSK	1	1	16.46				16.3	0.0
100	QPSK	1	137	16.46					
100	QPSK	1	271	16.47				16.3	0.0
100	QPSK	135	0	16.47				16.3	0.0
100	QPSK	135	66	16.48				16.3	0.0
100	QPSK	270	0	16.48				16.3	0.0
100	16QAM	1	1	16.46				16.3	0.0
100	16QAM	1	1	16.47				16.3	0.0
100	256QAM	1	1	16.48				16.3	0.0
Channel									
80	QPSK	1	1	16.30	16.31	16.33	17.6	0.0	
Channel									
80	Frequency [MHz]	54688	54688	54688	54688	54688	Turn		
80	QPSK	1	1	16.30	16.31	16.33	17.6	0.0	
Channel									
80	Frequency [MHz]	16112	16112	16112	16112	16112	Turn		
80	QPSK	1	1	16.30	16.31	16.33	17.6	0.0	
Channel									
80	Frequency [MHz]	30720	30720	30720	30720	30720	Turn		
80	QPSK	1	1	16.33	16.44	16.37	17.3	0.0	
Channel									
80	Frequency [MHz]	45328	45328	45328	45328	45328	Turn		
80	QPSK	1	1	16.34	16.44	16.37	17.3	0.0	
Channel									
80	Frequency [MHz]	60136	60136	60136	60136	60136	Turn		
80	QPSK	1	1	16.35	16.46	16.39	17.3	0.0	
Channel									
80	Frequency [MHz]	75044	75044	75044	75044	75044	Turn		
80	QPSK	1	1	16.31	16.41	16.34	17.3	0.0	
Channel									
80	Frequency [MHz]	90052	90052	90052	90052	90052	Turn		
80	QPSK	1	1	16.32	16.43	16.36	17.3	0.0	



Part 270 n78 Ant4 DS2 Simultaneous									
Cell ID	Installation	BS Site	BS Offset	1st Linc Cell	2nd Linc Cell	3rd Linc Cell	4th Linc Cell	Turnup time (after)	MPRS (dB)
Channel									
100	POW BR50	1	1	10	10	10	10	10.0	0.0
100	POW BR50	1	211	10	10	10	10	10.0	0.0
100	POW BR50	1	212	10	10	10	10	10.0	0.0
100	POW BR50	1	213	10	10	10	10	10.0	0.0
100	POW BR50	1	214	10	10	10	10	10.0	0.0
100	POW BR50	1	215	10	10	10	10	10.0	0.0
100	QPSK	1	1	10	10	10	10	10.0	0.0
100	QPSK	1	211	10	10	10	10	10.0	0.0
100	QPSK	1	212	10	10	10	10	10.0	0.0
100	QPSK	1	213	10	10	10	10	10.0	0.0
100	QPSK	1	214	10	10	10	10	10.0	0.0
100	QPSK	1	215	10	10	10	10	10.0	0.0
100	QPSK	1	216	10	10	10	10	10.0	0.0
100	QPSK	1	217	10	10	10	10	10.0	0.0
100	QPSK	1	218	10	10	10	10	10.0	0.0
100	QPSK	1	219	10	10	10	10	10.0	0.0
100	QPSK	1	220	10	10	10	10	10.0	0.0
100	QPSK	1	221	10	10	10	10	10.0	0.0
100	QPSK	1	222	10	10	10	10	10.0	0.0
100	QPSK	1	223	10	10	10	10	10.0	0.0
100	QPSK	1	224	10	10	10	10	10.0	0.0
100	QPSK	1	225	10	10	10	10	10.0	0.0
100	QPSK	1	226	10	10	10	10	10.0	0.0
100	QPSK	1	227	10	10	10	10	10.0	0.0
100	QPSK	1	228	10	10	10	10	10.0	0.0
100	QPSK	1	229	10	10	10	10	10.0	0.0
100	QPSK	1	230	10	10	10	10	10.0	0.0
100	QPSK	1	231	10	10	10	10	10.0	0.0
100	QPSK	1	232	10	10	10	10	10.0	0.0
100	QPSK	1	233	10	10	10	10	10.0	0.0
100	QPSK	1	234	10	10	10	10	10.0	0.0
100	QPSK	1	235	10	10	10	10	10.0	0.0
100	QPSK	1	236	10	10	10	10	10.0	0.0
100	QPSK	1	237	10	10	10	10	10.0	0.0
100	QPSK	1	238	10	10	10	10	10.0	0.0
100	QPSK	1	239	10	10	10	10	10.0	0.0
100	QPSK	1	240	10	10	10	10	10.0	0.0
100	QPSK	1	241	10	10	10	10	10.0	0.0
100	QPSK	1	242	10	10	10	10	10.0	0.0
100	QPSK	1	243	10	10	10	10	10.0	0.0
100	QPSK	1	244	10	10	10	10	10.0	0.0
100	QPSK	1	245	10	10	10	10	10.0	0.0
100	QPSK	1	246	10	10	10	10	10.0	0.0
100	QPSK	1	247	10	10	10	10	10.0	0.0
100	QPSK	1	248	10	10	10	10	10.0	0.0
100	QPSK	1	249	10	10	10	10	10.0	0.0
100	QPSK	1	250	10	10	10	10	10.0	0.0
100	QPSK	1	251	10	10	10	10	10.0	0.0
100	QPSK	1	252	10	10	10	10	10.0	0.0
100	QPSK	1	253	10	10	10	10	10.0	0.0
100	QPSK	1	254	10	10	10	10	10.0	0.0
100	QPSK	1	255	10	10	10	10	10.0	0.0
100	QPSK	1	256	10	10	10	10	10.0	0.0
100	QPSK	1	257	10	10	10	10	10.0	0.0
100	QPSK	1	258	10	10	10	10	10.0	0.0
100	QPSK	1	259	10	10	10	10	10.0	0.0
100	QPSK	1	260	10	10	10	10	10.0	0.0
100	QPSK	1	261	10	10	10	10	10.0	0.0
100	QPSK	1	262	10	10	10	10	10.0	0.0
100	QPSK	1	263	10	10	10	10	10.0	0.0
100	QPSK	1	264	10	10	10	10	10.0	0.0
100	QPSK	1	265	10	10	10	10	10.0	0.0
100	QPSK	1	266	10	10	10	10	10.0	0.0
100	QPSK	1	267	10	10	10	10	10.0	0.0
100	QPSK	1	268	10	10	10	10	10.0	0.0
100	QPSK	1	269	10	10	10	10	10.0	0.0
100	QPSK	1	270	10	10	10	10	10.0	0.0
100	QPSK	1	271	10	10	10	10	10.0	0.0
100	QPSK	1	272	10	10	10	10	10.0	0.0
100	QPSK	1	273	10	10	10	10	10.0	0.0
100	QPSK	1	274	10	10	10	10	10.0	0.0
100	QPSK	1	275	10	10	10	10	10.0	0.0
100	QPSK	1	276	10	10	10	10	10.0	0.0
100	QPSK	1	277	10	10	10	10	10.0	0.0
100	QPSK	1	278	10	10	10	10	10.0	0.0
100	QPSK	1	279	10	10	10	10	10.0	0.0
100	QPSK	1	280	10	10	10	10	10.0	0.0
100	QPSK	1	281	10	10	10	10	10.0	0.0
100	QPSK	1	282	10	10	10	10	10.0	0.0
100	QPSK	1	283	10	10	10	10	10.0	0.0
100	QPSK	1	284	10	10	10	10	10.0	0.0
100	QPSK	1	285	10	10	10	10	10.0	0.0
100	QPSK	1	286	10	10	10	10	10.0	0.0
100	QPSK	1	287	10	10	10	10	10.0	0.0
100	QPSK	1	288	10	10	10	10	10.0	0.0
100	QPSK	1	289	10	10	10	10	10.0	0.0
100	QPSK	1	290	10	10	10	10	10.0	0.0
100	QPSK	1	291	10	10	10	10	10.0	0.0
100	QPSK	1	292	10	10	10	10	10.0	0.0
100	QPSK	1	293	10	10	10	10	10.0	0.0
100	QPSK	1	294	10	10	10	10	10.0	0.0
100	QPSK	1	295	10	10	10	10	10.0	0.0
100	QPSK	1	296	10	10	10	10	10.0	0.0
100	QPSK	1	297	10	10	10	10	10.0	0.0
100	QPSK	1	298	10	10	10	10	10.0	0.0
100	QPSK	1	299	10	10	10	10	10.0	0.0
100	QPSK	1	300	10	10	10	10	10.0	0.0
100	QPSK	1	301	10	10	10	10	10.0	0.0
100	QPSK	1	302	10	10	10	10	10.0	0.0
100	QPSK	1	303	10	10	10	10	10.0	0.0
100	QPSK	1	304	10	10	10	10	10.0	0.0
100	QPSK	1	305	10	10	10	10	10.0	0.0
100	QPSK	1	306	10	10	10	10	10.0	0.0
100	QPSK	1	307	10	10	10	10	10.0	0.0
100	QPSK	1	308	10	10	10	10	10.0	0.0
100	QPSK	1	309	10	10	10	10	10.0	0.0
100	QPSK	1	310	10	10	10	10	10.0	0.0
100	QPSK	1	311	10	10	10	10	10.0	0.0
100	QPSK	1	312	10	10	10	10	10.0	0.0
100	QPSK	1	313	10	10	10	10	10.0	0.0
100	QPSK	1	314	10	10	10	10	10.0	0.0
100	QPSK	1	315	10	10	10	10	10.0	0.0
100	QPSK	1	316	10	10	10	10	10.0	0.0
100	QPSK	1	317	10	10	10	10	10.0	0.0
100	QPSK	1	318	10	10	10	10	10.0	0.0
100	QPSK	1	319	10	10	10	10	10.0	0.0
100	QPSK	1	320	10	10	10	10	10.0	0.0
100	QPSK	1	321	10	10	10	10	10.0	0.0
100	QPSK	1	322	10	10	10	10	10.0	0.0
100	QPSK	1	323	10	10	10	10	10.0	0.0
100	QPSK	1	324	10	10	10	10	10.0	0.0
100	QPSK	1	325	10	10	10	10	10.0	0.0
100	QPSK	1	326	10	10	10	10	10.0	0.0
100	QPSK	1	327	10	10	10	10	10.0	0.0
100	QPSK	1	328	10	10	10	10	10.0	0.0
100	QPSK	1	329	10	10	10	10	10.0	0.0
100	QPSK	1	330	10	10	10	10	10.0	0.0
100	QPSK	1	331	10	10	10	10	10.0	0.0
100	QPSK	1	332	10	10	10	10	10.0	0.0
100	QPSK	1	333	10	10	10	10	10.0	0.0
100	QPSK	1	334	10	10	10	10	10.0	0.0
100	QPSK	1	335	10	10	10	10	10.0	0.0
100	QPSK	1	336	10	10	10	10	10.0	0.0
100	QPSK	1	337	10	10	10	10	10.0	0.0
100	QPSK	1	338	10	10	10	10	10.0	0.0
100	QPSK	1	339	10	10	10	10	10.0	0.0
100	QPSK	1	340	10	10	10	10	10.0	0.0
100	QPSK	1	341	10	10	10	10	10.0	0.0
100	QPSK	1	342	10	10	10	10	10.0	0.0
100	QPSK	1	343	10	10	10	10	10.0	0.0
100	QPSK	1	344	10	10	10	10	10.0	0.0
100	QPSK	1	345	10	10	10	10	10.0	0.0
100	QPSK	1	346	10	10	10	10	10.0	0.0
100	QPSK	1	347	10	10	10	10	10.0	0.0
100	QPSK	1	348	10	10	10	10	10.0	0.0
100	QPSK	1	349	10	10	10	10	10.0	0.0
100	QPSK	1	350	10	10	10	10	10.0	0.0
100	QPSK	1	351	10	10	10	10	10.0	0.0
100	QPSK	1	352	10	10	10	10	10.0	0.0
100	QPSK	1	353	10	10	10	10	10.0	0.0
100	QPSK	1	354	10	10	10	10	10.0	0.0
100	QPSK	1	355	10	10	10	10	10.0	0.0
100	QPSK	1	356	10	10	10	10	10.0	0.0
100	QPSK	1	357	10	10	10	10	10.0	0.0
100	QPSK	1	358	10	10	10	10	10.0	0.0

Part2Q7 n78 Ant4 D512						
Bit [MHz]	Modulation	PSB Time	PSB Offset	Carrier Freq. (GHz)	Carrier Bandwidth (MHz)	Power Spectral Density (dBm/Hz)
Channel 1						
500	P25 8PSK	1	1	56.41		
500	P25 8PSK	1	2	56.43		17.6
500	P25 8PSK	1	3	56.45		
500	P25 8PSK	135	0	56.41		17.6
500	P25 8PSK	135	1	56.43		
500	P25 8PSK	135	2	56.45		
500	QPSK	1	1	56.39		17.1
500	QPSK	1	2	56.41		
500	QPSK	1	3	56.43		
500	QPSK	135	0	56.39		17.6
500	QPSK	135	1	56.41		
500	QPSK	135	2	56.43		
500	QPSK	270	0	56.41		18.0
500	QPSK	270	1	56.43		
500	QPSK	270	2	56.45		
500	QPSK	1	1	56.39		18.1
Channel 2						
500	QPSK	1	1	56.5001	533336	17.6
500	QPSK	1	2	56.5003	533368	17.6
500	QPSK	1	3	56.5005	533400	17.6
500	QPSK	135	0	56.5001	533336	17.6
500	QPSK	135	1	56.5003	533368	17.6
500	QPSK	135	2	56.5005	533400	17.6
500	QPSK	270	0	56.5001	533336	17.6
500	QPSK	270	1	56.5003	533368	17.6
500	QPSK	270	2	56.5005	533400	17.6
500	QPSK	1	1	56.5001	533336	17.6
500	QPSK	1	2	56.5003	533368	17.6
500	QPSK	1	3	56.5005	533400	17.6
500	QPSK	135	0	56.5001	533336	17.6
500	QPSK	135	1	56.5003	533368	17.6
500	QPSK	135	2	56.5005	533400	17.6
500	QPSK	270	0	56.5001	533336	17.6
500	QPSK	270	1	56.5003	533368	17.6
500	QPSK	270	2	56.5005	533400	17.6
500	QPSK	1	1	56.5001	533336	17.6
500	QPSK	1	2	56.5003	533368	17.6
500	QPSK	1	3	56.5005	533400	17.6
500	QPSK	135	0	56.5001	533336	17.6
500	QPSK	135	1	56.5003	533368	17.6
500	QPSK	135	2	56.5005	533400	17.6
500	QPSK	270	0	56.5001	533336	17.6
500	QPSK	270	1	56.5003	533368	17.6
500	QPSK	270	2	56.5005	533400	17.6
500	QPSK	1	1	56.5001	533336	17.6
500	QPSK	1	2	56.5003	533368	17.6
500	QPSK	1	3	56.5005	533400	17.6
500	QPSK	135	0	56.5001	533336	17.6
500	QPSK	135	1	56.5003	533368	17.6
500	QPSK	135	2	56.5005	533400	17.6
500	QPSK	270	0	56.5001	533336	17.6
500	QPSK	270	1	56.5003	533368	17.6
500	QPSK	270	2	56.5005	533400	17.6
500	QPSK	1	1	56.5001	533336	17.6
500	QPSK	1	2	56.5003	533368	17.6
500	QPSK	1	3	56.5005	533400	17.6
500	QPSK	135	0	56.5001	533336	17.6
500	QPSK	135	1	56.5003	533368	17.6
500	QPSK	135	2	56.5005	533400	17.6
500	QPSK	270	0	56.5001	533336	17.6
500	QPSK	270	1	56.5003	533368	17.6
500	QPSK	270	2	56.5005	533400	17.6
500	QPSK	1	1	56.5001	533336	17.6
500	QPSK	1	2	56.5003	533368	17.6
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500	QPSK	135	0	56.5001	533336	17.6
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500	QPSK	1	1	56.5001	533336	17.6
500	QPSK	1	2	56.5003	533368	17.6
500	QPSK	1	3	56.5005	533400	17.6
500	QPSK	135	0	56.5001	533336	17.6
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500	QPSK	1	2	56.5003	533368	17.6
500	QPSK	1	3	56.5005	533400	17.6
500	QPSK	135	0	56.5001	533336	17.6
500	QPSK	135	1	56.5003	533368	17.6
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500	QPSK	270	0	56.5001	533336	17.6
500	QPSK	270	1	56.5003	533368	17.6
500	QPSK	270	2	56.5005	533400	17.6
500	QPSK	1	1	56.5001	533336	17.6
500	QPSK	1	2	56.5003	533368	17.6
500	QPSK	1	3	56.5005	533400	17.6
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500	QPSK	135	1	56.5003	533368	17.6
500	QPSK	135	2	56.5005	533400	17.6
500	QPSK	270	0	56.5001	533336	17.6
500	QPSK	270	1	56.5003	533368	17.6
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500	QPSK	1	1	56.5001	533336	17.6
500	QPSK	1	2	56.5003	533368	17.6
500	QPSK	1	3	56.5005	533400	17.6
500	QPSK	135	0	56.5001	533336	17.6
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500	QPSK	270	0	56.5001	533336	17.6
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500	QPSK	1	1	56.5001	533336	17.6
500	QPSK	1	2	56.5003	533368	17.6
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500	QPSK	135	2	56.5005	533400	17.6
500	QPSK	270	0	56.5001	533336	17.6
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500	QPSK	1	3	56.5005	533400	17.6
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500	QPSK	135	1	56.5003	533368	17.6
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500	QPSK	270	0	56.5001	533336	17.6
500	QPSK	270	1	56.5003	533368	17.6
500	QPSK	270	2	56.5005	533400	17.6
500	QPSK	1	1	56.5001	533336	17.6
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500	QPSK	1	3	56.5005	533400	17.6
500	QPSK	135	0	56.5001	533336	17.6
500	QPSK	135	1	56.5003	533368	17.6
500	QPSK	135	2	56.5005	533400	17.6
500	QPSK	270	0	56.5001	533336	17.6
500	QPSK	270	1	56.5003	533368	17.6
500	QPSK	270	2	56.5005	533400	17.6
500	QPSK	1	1	56.5001	533336	17.6
500	QPSK	1	2	56.5003	533368	17.6
500	QPSK	1	3	56.5005	533400	17.6
500	QPSK	135	0	56.5001	533336	17.6
500	QPSK	135	1	56.5003	533368	17.6
500	QPSK	135	2	56.5005	533400	17.6
500	QPSK	270	0	56.5001	533336	17.6
500	QPSK	270	1	56.5003	533368	17.6
500	QPSK	270	2	56.5005	533400	17.6
500	QPSK	1	1	56.5001	533336	17.6
500	QPSK	1	2	56.5003	533368	17.6
500	QPSK	1	3	56.5005	533400	17.6
500	QPSK	135	0	56.5001	533336	17.6
500	QPSK	135	1	56.5003	533368	17.6
500	QPSK	135	2	56.5005	533400	17.6
500	QPSK	270	0	56.5001	533336	17.6
500	QPSK	270	1	56.5003	533368	17.6
500	QPSK	270	2	56.5005	533400	17.6
500	QPSK	1	1	56.5001	533336	17.6
500	QPSK	1	2	56.5003	533368	17.6
500	QPSK	1	3	56.5005	533400	17.6
500	QPSK	135	0	56.5001	533336	17.6
500	QPSK	135	1	56.5003	533368	17.6
500	QPSK	135	2	56.5005	533400	17.6
500	QPSK	270	0	56.5001	533336	17.6
500	QPSK	270	1	56.5003	533368	17.6
500	QPSK	270	2	56.5005	533400	17.6
500	QPSK	1	1	56.5001	533336	17.6
500	QPSK	1	2	56.5003	533368	17.6
500	QPSK	1	3	56.5005	533400	17.6
500	QPSK	135	0	56.5001	533336	17.6
500	QPSK	135	1	56.5003	533368	17.6
500	QPSK	135	2	56.5005	533400	17.6
500	QPSK	270	0	56.5001	533336	17.6
500	QPSK	270	1	56.5003	533368	17.6
500	QPSK	270	2	56.5005	533400	17.6
500	QPSK	1	1	56.5001	533336	17.6
500	QPSK	1	2	56.5003	533368	17.6
500	QPSK	1	3	56.5005	533400	17.6
500	QPSK	135	0	56.5001	533336	17.6
500	QPSK	135	1	56.5003	533368	17.6
500	QPSK	135	2	56.5005	533400	17.6
500	QPSK	270	0	56.5001	533336	17.6
500	QPSK	270	1	56.5003	533368	17.6
500	QPSK	270	2	56.5005	533400	17.6
500	QPSK	1	1	56.5001	533336	17.6
500	QPSK	1	2	56.5003	533368	17.6
500	QPSK	1	3	56.5005	533400	17.6
500	QPSK	135				

Part27Q n78 A4 D52 Simultaneous							
Alt (Wyd)	Modulation	FSB Tst	FSB Offset	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)
Channel				Power Level (dBm)	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)
Channel				Power Level (dBm)	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)
100	P25 BPSK	1	1	15.32			
100	P25 BPSK	1	1	15.32			
100	P25 BPSK	1	2/1	15.32			10.3 0.0
100	P25 BPSK	1	1	15.32			
100	P25 BPSK	1	1	15.32			
100	P25 BPSK	1	1	15.32			10.3 0.0
100	P25 BPSK	1	1	15.32			
100	P25 BPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	2/1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			10.3 0.0
100	QPSK	1	1	15.32			
100	QPSK	1	1	15.32			
100	QPSK						

n5 Ant1 DS13 Simultaneous									
BV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Max Ch. Freq.	Power High Ch. Freq.	Turn-up time (dB)	MPS (dB)	
Channel				16860	16700	16860			
Frequency (MHz)				584	585.5	586			
20	PR4 BPSK	1	1	22.41	22.45	22.49	13.8	0.0	
20	PR4 BPSK	1	10	22.31	22.35	22.39			
20	PR4 BPSK	1	104	22.30	22.38	22.33			
20	PR4 BPSK	50	5	22.30	22.34	22.27	23.5	0.1	
20	PR4 BPSK	50	26	22.30	22.35	22.25	23.8	0.0	
20	PR4 BPSK	50	56	22.30	22.48	22.41			
20	PR4 BPSK	100	5	22.30	22.48	22.33	23.5	0.1	
20	QPSK	1	1	22.51	22.57	22.63			
20	QPSK	1	10	22.30	22.35	22.35	23.5	0.0	
20	QPSK	1	104	22.30	22.44	22.37			
20	QPSK	50	5	22.31	22.35	22.33	23.0	0.8	
20	QPSK	50	26	22.21	22.41	22.28	23.8	0.0	
20	QPSK	50	56	22.14	22.61	22.35			
20	QPSK	100	5	22.24	22.51	22.24	23.0	0.6	
20	16QAM	1	1	22.02	22.03	22.03	23.0	0.6	
20	16QAM	1	1	20.02	20.05	20.07	21.5	2.1	
20	16QAM	1	1	19.29	19.29	19.21	19.4	4.1	
Channel				16860	16700	16860	Turn-up time	MPS	
Frequency (MHz)				22.42	22.51	22.55	23.8	0.0	
10	QPSK	1	1	22.42	22.51	22.55	23.8	0.0	
Channel				16860	16700	16860	Turn-up time	MPS	
Frequency (MHz)				22.5	22.55	22.6	23.0	0.0	
10	QPSK	1	1	22.44	22.70	22.55	23.5	0.0	
Channel				16860	16700	16860	Turn-up time	MPS	
Frequency (MHz)				22.15	22.5	22.5	22.5	0.0	
5	QPSK	1	1	22.44	22.67	22.55	23.5	0.0	

n5 Ant2 DS13 Simultaneous									
BV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Max Ch. Freq.	Power High Ch. Freq.	Turn-up time (dB)	MPS (dB)	
Channel				16860	16700	16860			
Frequency (MHz)				584	585.5	586			
20	PR4 BPSK	1	1	22.51	22.61	22.67			
20	PR4 BPSK	1	10	22.40	22.45	22.45	23.7	0.0	
20	PR4 BPSK	1	104	22.30	22.38	22.34			
20	PR4 BPSK	50	5	22.31	22.35	22.30	23.5	0.2	
20	PR4 BPSK	50	26	22.48	22.51	22.43	23.7	0.0	
20	PR4 BPSK	50	56	22.30	22.58	22.37			
20	PR4 BPSK	100	5	22.03	22.05	22.01	23.5	0.2	
20	QPSK	1	1	22.48	22.67	22.61			
20	QPSK	1	10	22.41	22.45	22.40	23.7	0.0	
20	QPSK	1	104	22.42	22.45	22.41			
20	QPSK	50	5	22.44	22.51	22.46	23.0	0.1	
20	QPSK	50	26	22.45	22.55	22.49	23.7	0.0	
20	QPSK	50	56	22.35	22.55	22.35			
20	QPSK	100	5	22.37	22.48	22.38	23.0	0.7	
20	16QAM	1	1	22.67	22.71	22.65	23.0	0.1	
20	16QAM	1	1	20.17	20.25	20.19	21.5	2.2	
20	16QAM	1	1	19.54	19.55	19.55	19.5	4.2	
Channel				16860	16700	16860	Turn-up time	MPS	
Frequency (MHz)				22.48	22.55	22.5	23.8	1.4	
10	QPSK	1	1	22.48	22.55	22.5	23.8	1.4	
Channel				16860	16700	16860	Turn-up time	MPS	
Frequency (MHz)				22.5	22.55	22.6	23.0	0.0	
10	QPSK	1	1	22.50	22.57	22.55	23.5	1.3	
Channel				16860	16700	16860	Turn-up time	MPS	
Frequency (MHz)				22.15	22.5	22.5	22.5	1.4	
5	QPSK	1	1	22.48	22.55	22.5	23.8	1.4	

n7 Ant1 DS33									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Max Ch. Freq.	Power High Ch. Freq.	Power Spectral Mask	Turn-up time (min)	MPE (dB)
Channel									
Frequency [MHz]									
50	Proc BPSK	1	1	21.17	21.24	21.10		22.7	0.0
50	Proc BPSK	1	130	21.21	21.37	21.10			
50	Proc BPSK	1	268	21.12	21.18	21.11			
50	Proc BPSK	130	0	21.07	21.14	21.10	22.7	0.0	
50	Proc BPSK	130	68	21.17	21.22	21.10	22.7	0.0	
50	Proc BPSK	270	0	21.10	21.20	21.10	22.7	0.0	
50	QPSK	1	1	21.22	21.28	21.10			
50	QPSK	1	130	21.20	21.24	21.10	22.7	0.0	
50	QPSK	1	268	21.14	21.21	21.10			
50	QPSK	130	0	21.11	21.18	21.10	22.7	0.0	
50	QPSK	130	68	21.11	21.20	21.10	22.7	0.0	
50	QPSK	270	0	21.07	21.20	21.10	22.0	0.1	
50	SSB-W	1	1	21.00	21.00	20.90	22.7	0.0	
50	SSB-W	1	1	20.95	20.42	20.30	21.5	1.2	
50	SSB-W	1	1	19.90	19.10	19.00	19.2	2.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	21.12	21.21	21.10	22.7	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	21.17	21.25	21.10	22.7	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	21.17	21.24	21.10	22.7	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	21.14	21.22	21.10	22.7	0.0	
Channel									
Frequency [MHz]									
15	QPSK	1	1	21.12	21.20	21.10	22.7	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	21.10	21.20	21.10	22.7	0.0	
Channel									
Frequency [MHz]									
5	QPSK	1	1	21.13	21.20	21.10	22.7	0.0	

n7 Ant1 DS33 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. [dBm]	Power Max Ch. Freq. [dBm]	Power High Ch. Freq. [dBm]	Turn-up time (min)	MPE (dB)	
Channel									
Frequency [MHz]									
50	Proc BPSK	1	1	18.01	18.06	18.00		0.0	0.0
50	Proc BPSK	1	130	18.05	18.04	18.00		0.0	0.0
50	Proc BPSK	1	268	18.05	18.03	18.00			
50	Proc BPSK	130	0	18.01	18.06	18.00	0.0	0.0	
50	Proc BPSK	130	68	18.05	18.07	18.00	0.0	0.0	
50	Proc BPSK	270	0	18.00	18.07	18.00	0.0	0.0	
50	QPSK	1	1	18.06	18.12	18.01			
50	QPSK	1	130	18.08	18.07	18.00	0.0	0.0	
50	QPSK	1	268	18.05	18.02	18.00			
50	QPSK	130	0	18.07	18.02	18.00	0.0	0.0	
50	QPSK	130	68	18.01	18.05	18.00	0.0	0.0	
50	QPSK	270	0	18.02	18.00	18.00	0.0	0.0	
50	SSB-W	1	1	18.00	18.04	18.00	0.0	0.0	
50	SSB-W	1	1	18.49	18.07	18.00	0.0	0.0	
50	SSB-W	1	1	18.01	18.02	18.00	0.0	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	18.09	18.07	18.01	0.1	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	18.43	18.31	18.00	0.2	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	18.41	18.40	18.00	0.1	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	18.42	18.10	18.00	0.1	0.0	
Channel									
Frequency [MHz]									
15	QPSK	1	1	18.04	18.08	18.01	0.1	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	18.43	18.00	18.00	0.2	0.0	
Channel									
Frequency [MHz]									
5	QPSK	1	1	18.02	18.07	18.01	0.1	0.0	

n7 Ant2 DS33 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Max Ch. Freq.	Power High Ch. Freq.	Turnup time (min)	MPE (dB)	
Channel									
Frequency [MHz]									
50	Proc BPSK	1	1	21.08	21.10	21.09			
50	Proc BPSK	1	130	21.02	21.05	21.00	22.0	0.0	
50	Proc BPSK	1	268	21.00	21.01	21.00			
50	Proc BPSK	130	0	21.00	21.07	21.00	22.0	0.0	
50	Proc BPSK	130	68	21.01	21.07	21.00	22.0	0.0	
50	Proc BPSK	270	0	21.00	21.05	21.00	22.0	0.0	
50	QPSK	1	1	21.11	21.00	21.10			
50	QPSK	1	130	21.01	21.00	21.00	22.0	0.0	
50	QPSK	1	268	21.07	21.10	21.00			
50	QPSK	130	0	21.00	21.00	21.00	22.0	0.0	
50	QPSK	130	68	21.00	21.10	21.00	22.0	0.0	
50	QPSK	270	0	20.94	21.00	20.90	22.0	0.0	
50	SSB-W	1	1	21.00	21.00	20.90	22.0	0.0	
50	SSB-W	1	1	20.74	20.80	20.70	21.5	0.0	
50	SSB-W	1	1	19.44	19.10	19.00	19.0	2.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	21.06	21.11	21.00	0.0	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	21.05	21.14	21.00	-0.5	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	21.10	21.10	21.00	-0.5	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	21.05	21.10	21.11	22.0	0.0	
Channel									
Frequency [MHz]									
15	QPSK	1	1	21.00	21.02	21.10	-0.5	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	21.00	21.10	21.10	-0.5	0.0	
Channel									
Frequency [MHz]									
5	QPSK	1	1	21.00	21.10	21.10	-0.5	0.0	



n66 Ant1 DS13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Max Ch. (Frac.)	Power High Ch. (Frac.)	Turn-up time (dB)	MPE (dB)	
Channel									
Frequency (MHz)									
1700 1700 1700									
40	PSS BPSK	1	1	17.27	17.44	17.29	18.3	0.0	
40	PSS BPSK	1	106	17.28	17.43	17.29			
40	PSS BPSK	1	214	17.48	17.53	17.47			
40	PSS BPSK	106	0	17.52	17.43	17.59	18.3	0.0	
40	PSS BPSK	106	54	17.47	17.47	17.47	18.3	0.0	
40	PSS BPSK	106	106	17.50	17.48	17.51			
40	PSS BPSK	216	0	17.50	17.48	17.49	18.3	0.0	
40	QPSK	1	1	17.52	17.55	17.49			
40	QPSK	1	106	17.59	17.56	17.56	18.3	0.0	
40	QPSK	1	214	17.59	17.55	17.49			
40	QPSK	106	0	17.52	17.47	17.52	18.3	0.0	
40	QPSK	106	54	17.59	17.52	17.47	18.3	0.0	
40	QPSK	106	106	17.59	17.52	17.47			
40	QPSK	216	0	17.51	17.50	17.50	18.3	0.0	
40	SSB-M	1	1	17.57	17.43	17.52	18.3	0.0	
40	SSB-M	1	1	17.52	17.27	17.47	18.3	0.0	
40	SSB-M	1	1	17.55	17.49	17.50	0.0		
Channel									
Frequency (MHz)									
34000 34000 34000									
30	QPSK	1	1	17.42	17.56	17.50	18.3	0.0	
30	QPSK	1	1	17.42	17.56	17.50			
30	QPSK	1	1	17.44	17.59	17.42	18.3	0.0	
30	QPSK	1	1	17.44	17.59	17.42			
30	QPSK	1	1	17.45	17.56	17.45	18.3	0.0	
30	QPSK	1	1	17.45	17.56	17.45			
30	QPSK	1	1	17.46	17.56	17.46	18.3	0.0	
30	QPSK	1	1	17.46	17.56	17.46			
30	QPSK	1	1	17.47	17.56	17.47	18.3	0.0	
30	QPSK	1	1	17.47	17.56	17.47			
30	QPSK	1	1	17.48	17.56	17.48	18.3	0.0	
30	QPSK	1	1	17.48	17.56	17.48			
30	QPSK	1	1	17.49	17.56	17.49	18.3	0.0	
30	QPSK	1	1	17.49	17.56	17.49			
30	QPSK	1	1	17.50	17.56	17.50	18.3	0.0	
30	QPSK	1	1	17.50	17.56	17.50			
30	QPSK	1	1	17.51	17.56	17.51	18.3	0.0	
30	QPSK	1	1	17.51	17.56	17.51			
30	QPSK	1	1	17.52	17.56	17.52	18.3	0.0	
30	QPSK	1	1	17.52	17.56	17.52			
30	QPSK	1	1	17.53	17.56	17.53	18.3	0.0	
30	QPSK	1	1	17.53	17.56	17.53			
30	QPSK	1	1	17.54	17.56	17.54	18.3	0.0	
30	QPSK	1	1	17.54	17.56	17.54			
30	QPSK	1	1	17.55	17.56	17.55	18.3	0.0	
30	QPSK	1	1	17.55	17.56	17.55			
30	QPSK	1	1	17.56	17.56	17.56	18.3	0.0	
30	QPSK	1	1	17.56	17.56	17.56			
30	QPSK	1	1	17.57	17.56	17.57	18.3	0.0	
30	QPSK	1	1	17.57	17.56	17.57			
30	QPSK	1	1	17.58	17.56	17.58	18.3	0.0	
30	QPSK	1	1	17.58	17.56	17.58			
30	QPSK	1	1	17.59	17.56	17.59	18.3	0.0	
30	QPSK	1	1	17.59	17.56	17.59			
30	QPSK	1	1	17.60	17.56	17.60	18.3	0.0	
30	QPSK	1	1	17.60	17.56	17.60			
30	QPSK	1	1	17.61	17.56	17.61	18.3	0.0	
30	QPSK	1	1	17.61	17.56	17.61			
30	QPSK	1	1	17.62	17.56	17.62	18.3	0.0	
30	QPSK	1	1	17.62	17.56	17.62			
30	QPSK	1	1	17.63	17.56	17.63	18.3	0.0	
30	QPSK	1	1	17.63	17.56	17.63			
30	QPSK	1	1	17.64	17.56	17.64	18.3	0.0	
30	QPSK	1	1	17.64	17.56	17.64			
30	QPSK	1	1	17.65	17.56	17.65	18.3	0.0	
30	QPSK	1	1	17.65	17.56	17.65			
30	QPSK	1	1	17.66	17.56	17.66	18.3	0.0	
30	QPSK	1	1	17.66	17.56	17.66			
30	QPSK	1	1	17.67	17.56	17.67	18.3	0.0	
30	QPSK	1	1	17.67	17.56	17.67			
30	QPSK	1	1	17.68	17.56	17.68	18.3	0.0	
30	QPSK	1	1	17.68	17.56	17.68			
30	QPSK	1	1	17.69	17.56	17.69	18.3	0.0	
30	QPSK	1	1	17.69	17.56	17.69			
30	QPSK	1	1	17.70	17.56	17.70	18.3	0.0	
30	QPSK	1	1	17.70	17.56	17.70			
30	QPSK	1	1	17.71	17.56	17.71	18.3	0.0	
30	QPSK	1	1	17.71	17.56	17.71			
30	QPSK	1	1	17.72	17.56	17.72	18.3	0.0	
30	QPSK	1	1	17.72	17.56	17.72			
30	QPSK	1	1	17.73	17.56	17.73	18.3	0.0	
30	QPSK	1	1	17.73	17.56	17.73			
30	QPSK	1	1	17.74	17.56	17.74	18.3	0.0	
30	QPSK	1	1	17.74	17.56	17.74			
30	QPSK	1	1	17.75	17.56	17.75	18.3	0.0	
30	QPSK	1	1	17.75	17.56	17.75			
30	QPSK	1	1	17.76	17.56	17.76	18.3	0.0	
30	QPSK	1	1	17.76	17.56	17.76			
30	QPSK	1	1	17.77	17.56	17.77	18.3	0.0	
30	QPSK	1	1	17.77	17.56	17.77			
30	QPSK	1	1	17.78	17.56	17.78	18.3	0.0	
30	QPSK	1	1	17.78	17.56	17.78			
30	QPSK	1	1	17.79	17.56	17.79	18.3	0.0	
30	QPSK	1	1	17.79	17.56	17.79			
30	QPSK	1	1	17.80	17.56	17.80	18.3	0.0	
30	QPSK	1	1	17.80	17.56	17.80			
30	QPSK	1	1	17.81	17.56	17.81	18.3	0.0	
30	QPSK	1	1	17.81	17.56	17.81			
30	QPSK	1	1	17.82	17.56	17.82	18.3	0.0	
30	QPSK	1	1	17.82	17.56	17.82			
30	QPSK	1	1	17.83	17.56	17.83	18.3	0.0	
30	QPSK	1	1	17.83	17.56	17.83			
30	QPSK	1	1	17.84	17.56	17.84	18.3	0.0	
30	QPSK	1	1	17.84	17.56	17.84			
30	QPSK	1	1	17.85	17.56	17.85	18.3	0.0	
30	QPSK	1	1	17.85	17.56	17.85			
30	QPSK	1	1	17.86	17.56	17.86	18.3	0.0	
30	QPSK	1	1	17.86	17.56	17.86			
30	QPSK	1	1	17.87	17.56	17.87	18.3	0.0	
30	QPSK	1	1	17.87	17.56	17.87			
30	QPSK	1	1	17.88	17.56	17.88	18.3	0.0	
30	QPSK	1	1	17.88	17.56	17.88			
30	QPSK	1	1	17.89	17.56	17.89	18.3	0.0	
30	QPSK	1	1	17.89	17.56	17.89			
30	QPSK	1	1	17.90	17.56	17.90	18.3	0.0	
30	QPSK	1	1	17.90	17.56	17.90			
30	QPSK	1	1	17.91	17.56	17.91	18.3	0.0	
30	QPSK	1	1	17.91	17.56	17.91			
30	QPSK	1	1	17.92	17.56	17.92	18.3	0.0	
30	QPSK	1	1	17.92	17.56	17.92			
30	QPSK	1	1	17.93	17.56	17.93	18.3	0.0	
30	QPSK	1	1	17.93	17.56	17.93			
30	QPSK	1	1	17.94	17.56	17.94	18.3	0.0	
30	QPSK	1	1	17.94	17.56	17.94			
30	QPSK	1	1	17.95	17.56	17.95	18.3	0.0	
30	QPSK	1	1	17.95	17.56	17.95			
30	QPSK	1	1	17.96	17.56	17.96	18.3	0.0	
30	QPSK	1	1	17.96	17.56	17.96			
30	QPSK	1	1						



n38 Ant1 DS13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. S18004	Power Max Ch. 1 Freq. S19000	Power High Ch. 1 Freq. S19000	Turnup time (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
40	PSSBPSK	1	1	20.17	20.24	20.15			
40	PSSBPSK	1	53	20.15	20.21	20.15	21.4	0.0	
40	PSSBPSK	1	104	20.20	20.31	20.20			
40	PSSBPSK	50	0	20.20	20.32	20.22	21.4	0.0	
40	PSSBPSK	50	26	20.20	20.31	20.20	21.4	0.0	
40	PSSBPSK	50	54	20.27	20.38	20.29	21.4	0.0	
40	PSSBPSK	100	0	20.17	20.24	20.15			
40	QPSK	1	53	20.17	20.25	20.16	21.4	0.0	
40	QPSK	1	104	20.13	20.22	20.13			
40	QPSK	50	0	20.22	20.30	20.22	21.4	0.0	
40	QPSK	50	26	20.20	20.30	20.21	21.4	0.0	
40	QPSK	50	54	20.24	20.32	20.26	21.4	0.0	
40	QPSK	100	0	20.17	20.25	20.17			
40	SSBQAM	1	1	20.20	20.20	20.20	21.4	0.0	
40	SSBQAM	1	1	20.19	20.20	20.17	21.4	0.0	
40	SSBQAM	1	1	19.18	19.85	19.40	19.5	1.9	
Channel									
Frequency [MHz]									
50	QPSK	1	1	20.24	20.30	20.25	21.4	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	20.20	20.31	20.26	21.4	0.0	

n38 Ant1 DS13 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. S18004	Power Max Ch. 1 Freq. S19000	Power High Ch. 1 Freq. S19000	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
40	PSSBPSK	1	1	16.15	16.21	16.15			
40	PSSBPSK	1	53	16.01	16.08	16.01	17.6	0.0	
40	PSSBPSK	1	104	16.04	16.14	16.05			
40	PSSBPSK	50	0	16.01	16.08	16.03	17.6	0.0	
40	PSSBPSK	50	26	16.05	16.04	16.00	17.6	0.0	
40	PSSBPSK	50	54	16.02	16.11	16.03	17.6	0.0	
40	PSSBPSK	100	0	16.01	16.08	16.02			
40	QPSK	1	1	16.15	16.20	16.14			
40	QPSK	1	53	15.99	16.09	16.02	17.6	0.0	
40	QPSK	1	104	16.00	16.14	16.00			
40	QPSK	50	0	16.07	16.13	16.05	17.6	0.0	
40	QPSK	50	26	16.11	16.08	16.02	17.6	0.0	
40	QPSK	50	54	16.09	16.08	16.05	17.6	0.0	
40	QPSK	100	0	16.02	16.11	16.06			
40	SSBQAM	1	1	16.12	16.10	16.11	17.6	0.0	
40	SSBQAM	1	1	16.10	16.14	16.09	17.6	0.0	
40	SSBQAM	1	1	16.10	16.10	16.14	17.6	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	16.12	16.17	16.05	17.6	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	16.09	16.16	16.00	17.6	0.0	

n38 Ant2 DS13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. S18004	Power Max Ch. 1 Freq. S19000	Power High Ch. 1 Freq. S19000	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
40	PSSBPSK	1	1	21.39	21.44	21.39			
40	PSSBPSK	1	53	21.21	21.29	21.19	22.8	0.0	
40	PSSBPSK	1	104	21.22	21.29	21.21			
40	PSSBPSK	50	0	21.20	21.34	21.25	22.8	0.0	
40	PSSBPSK	50	26	21.24	21.29	21.23	22.8	0.0	
40	PSSBPSK	50	54	21.14	21.22	21.14	22.8	0.0	
40	PSSBPSK	100	0	21.20	21.33	21.20			
40	QPSK	1	1	21.40	21.51	21.40			
40	QPSK	1	53	21.27	21.37	21.27	22.8	0.0	
40	QPSK	1	104	21.42	21.50	21.44			
40	QPSK	50	0	21.33	21.13	21.08	22.8	0.0	
40	QPSK	50	26	21.16	21.08	21.09	22.8	0.0	
40	QPSK	50	54	21.09	21.19	21.11	22.8	0.0	
40	QPSK	100	0	21.21	21.20	21.23			
40	SSBQAM	1	1	21.19	21.20	21.18	22.8	0.0	
40	SSBQAM	1	1	19.85	19.85	19.85	21.5	1.5	
40	SSBQAM	1	1	19.80	19.80	19.79	19.5	3.5	
Channel									
Frequency [MHz]									
50	QPSK	1	1	21.44	21.40	21.50	22.8	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	21.40	21.45	21.39	22.8	0.0	

n38 Ant2 DS13 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. S18004	Power Max Ch. 1 Freq. S19000	Power High Ch. 1 Freq. S19000	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
40	PSSBPSK	1	1	20.69	20.61	20.63			
40	PSSBPSK	1	53	20.71	20.62	20.64	22.0	0.0	
40	PSSBPSK	1	104	20.71	20.60	20.63			
40	PSSBPSK	50	0	20.67	20.60	20.63	22.0	0.0	
40	PSSBPSK	50	26	20.66	20.59	20.56	22.0	0.0	
40	PSSBPSK	50	54	20.47	20.61	20.54	22.0	0.0	
40	PSSBPSK	100	0	20.61	20.61	20.58			
40	QPSK	1	1	20.77	20.70	20.71			
40	QPSK	1	53	20.68	20.60	20.68	22.0	0.0	
40	QPSK	1	104	20.70	20.63	20.66			
40	QPSK	50	0	20.46	20.59	20.52	22.0	0.0	
40	QPSK	50	26	20.56	20.60	20.61	22.0	0.0	
40	QPSK	50	54	20.52	20.54	20.55	22.0	0.0	
40	QPSK	100	0	20.59	20.55	20.53			
40	SSBQAM	1	1	20.77	20.84	20.75	22.0	0.0	
40	SSBQAM	1	1	20.33	20.40	20.41	21.5	0.5	
40	SSBQAM	1	1	19.51	19.51	19.11	19.5	2.5	
Channel									
Frequency [MHz]									
50	QPSK	1	1	20.67	20.59	20.56	22.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	20.71	20.61	20.64	22.0	0.0	

Part 270 n77 Ant4 DS13							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq.)	Power Mide Ch. 1 (Freq.)	Power High Ch. 1 (Freq.)	Turn-up time (dBm)
Channel							
100	Frequency (MHz)			18.85			
100	PI2 BPSK	1	1	18.85			
100	PI2 BPSK	1	137	18.79		20.2	0.0
100	PI2 BPSK	1	271	18.73			
100	PI2 BPSK	135	0	18.73		20.2	0.0
100	PI2 BPSK	135	66	18.76			
100	PI2 BPSK	135	138	18.88		20.2	0.0
100	PI2 BPSK	270	0	18.77			
100	QPSK	1	1	18.85			
100	QPSK	1	137	18.89		20.2	0.0
100	QPSK	1	271	18.83			
100	QPSK	135	0	18.79		20.2	0.0
100	QPSK	135	66	18.84			
100	QPSK	135	138	18.88		20.2	0.0
100	QPSK	270	0	18.81			
100	16QAM	1	1	18.74		20.2	0.0
100	16QAM	1	1	18.39		20.2	0.0
100	256QAM	1	1	17.86		18.5	0.7
Channel							
80	Frequency (MHz)			849856	850000	850234	Turn-up time (dBm)
80	QPSK	1	1	18.42	18.86	18.51	20.2
Channel							
80	Frequency (MHz)			849334	850000	850666	Turn-up time (dBm)
80	QPSK	1	1	18.43	18.86	18.49	20.2
Channel							
70	Frequency (MHz)			3730	3694	3658	Turn-up time (dBm)
70	QPSK	1	1	18.49	18.84	18.49	20.2
Channel							
70	Frequency (MHz)			3732	3694	3656	Turn-up time (dBm)
70	QPSK	1	1	18.42	18.84	18.51	20.2
Channel							
80	Frequency (MHz)			848334	850000	850666	Turn-up time (dBm)
80	QPSK	1	1	18.44	18.87	18.51	20.2
Channel							
80	Frequency (MHz)			848000	850000	850000	Turn-up time (dBm)
80	QPSK	1	1	18.43	18.87	18.47	20.2
Channel							
80	Frequency (MHz)			3718.02	3694	3658.01	Turn-up time (dBm)
80	QPSK	1	1	18.43	18.86	18.52	20.2
Channel							
80	Frequency (MHz)			3718.12	3694	3658.11	Turn-up time (dBm)
80	QPSK	1	1	18.43	18.88	18.51	20.2

Part 270 n77 Ant4 DS13 Simultaneous							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq.)	Power Mide Ch. 1 (Freq.)	Power High Ch. 1 (Freq.)	Turn-up time (dBm)
Channel							
100	Frequency (MHz)			18.81			
100	PI2 BPSK	1	1	18.81			
100	PI2 BPSK	1	137	18.79		15.9	0.0
100	PI2 BPSK	1	271	18.73			
100	PI2 BPSK	135	0	18.81		15.9	0.0
100	PI2 BPSK	135	66	18.82			
100	PI2 BPSK	135	138	18.84		15.9	0.0
100	PI2 BPSK	270	0	18.77			
100	QPSK	1	1	18.81			
100	QPSK	1	137	18.85		15.9	0.0
100	QPSK	1	271	18.79			
100	QPSK	135	0	18.81		15.9	0.0
100	QPSK	135	66	18.86			
100	QPSK	135	138	18.88		15.9	0.0
100	QPSK	270	0	18.81			
100	16QAM	1	1	18.52		15.9	0.0
100	16QAM	1	1	18.45		15.9	0.0
100	256QAM	1	1	18.43		15.9	0.0
Channel							
80	Frequency (MHz)			849856	850000	850234	Turn-up time (dBm)
80	QPSK	1	1	18.76	18.80	18.39	0.0
Channel							
80	Frequency (MHz)			849334	850000	850666	Turn-up time (dBm)
80	QPSK	1	1	18.79	18.81	18.38	0.0
Channel							
70	Frequency (MHz)			3730	3694	3658	Turn-up time (dBm)
70	QPSK	1	1	18.79	18.81	18.38	0.0
Channel							
80	Frequency (MHz)			848334	850000	850666	Turn-up time (dBm)
80	QPSK	1	1	18.77	18.84	18.39	0.0
Channel							
80	Frequency (MHz)			848000	850000	850000	Turn-up time (dBm)
80	QPSK	1	1	18.79	18.80	18.32	0.0
Channel							
80	Frequency (MHz)			3718.02	3694	3658.01	Turn-up time (dBm)
80	QPSK	1	1	18.78	18.80	18.38	0.0
Channel							
80	Frequency (MHz)			3718.12	3694	3658.11	Turn-up time (dBm)
80	QPSK	1	1	18.77	18.80	18.38	0.0

Part270Q n77 Ant4 DS13							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq.)	Power Mide Ch. 1 (Freq.)	Power High Ch. 1 (Freq.)	Turn-up time (dBm)
Channel							
100	Frequency (MHz)			18.77			
100	PI2 BPSK	1	1	18.77			
100	PI2 BPSK	1	137	18.81		20.2	0.0
100	PI2 BPSK	1	271	18.85			
100	PI2 BPSK	135	0	18.82		20.2	0.0
100	PI2 BPSK	135	66	18.86			
100	PI2 BPSK	135	138	18.81		20.2	0.0
100	PI2 BPSK	270	0	18.87			
100	QPSK	1	1	18.76			
100	QPSK	1	137	18.83		20.2	0.0
100	QPSK	1	271	18.71			
100	QPSK	135	0	18.81		20.2	0.0
100	QPSK	135	66	18.87			
100	QPSK	135	138	18.87		20.2	0.0
100	QPSK	270	0	18.85			
100	16QAM	1	1	18.81		20.2	0.0
100	16QAM	1	1	18.45		20.2	0.0
100	256QAM	1	1	17.72		16.9	0.7
Channel							
80	Frequency (MHz)			849300	852334	853668	Turn-up time (dBm)
80	QPSK	1	1	18.41	18.55	18.48	20.2
Channel							
80	Frequency (MHz)			848568	853334	854000	Turn-up time (dBm)
80	QPSK	1	1	18.42	18.69	18.48	20.2
Channel							
70	Frequency (MHz)			3733.04	370234	367166	Turn-up time (dBm)
70	QPSK	1	1	18.47	18.69	18.52	20.2
Channel							
80	Frequency (MHz)			848568	853334	854000	Turn-up time (dBm)
80	QPSK	1	1	18.43	18.68	18.48	20.2
Channel							
80	Frequency (MHz)			848568	853334	854000	Turn-up time (dBm)
80	QPSK	1	1	18.42	18.69	18.58	20.2
Channel							
80	Frequency (MHz)			848568	853334	854000	Turn-up time (dBm)
80	QPSK	1	1	18.45	18.68	18.52	20.2
Channel							
80	Frequency (MHz)			3745	370234	367166	Turn-up time (dBm)
80	QPSK	1	1	18.43	18.65	18.52	20.2

Part270Q n77 Ant4 DS13 Simultaneous							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq.)	Power Mide Ch. 1 (Freq.)	Power High Ch. 1 (Freq.)	Turn-up time (dBm)
Channel							
100	Frequency (MHz)			18.77			
100	PI2 BPSK	1	1	18.77			
100	PI2 BPSK	1	137	18.81		15.9	0.0
100	PI2 BPSK	1	271	18.85			
100	PI2 BPSK	135	0	18.84		15.9	0.0
100	PI2 BPSK	135	66	18.87			
100	PI2 BPSK	135	138	18.84		15.9	0.0
100	PI2 BPSK	270	0	18.86			
100	QPSK	1	1	18.76			
100	QPSK	1	137	18.81		15.9	0.0
100	QPSK	1	271	18.82			
100	QPSK	135	0	18.81		15.9	0.0
100	QPSK	135	66	18.87			
100	QPSK	135	138	18.88		15.9	0.0
100	QPSK	270	0	18.86			
100	16QAM	1	1	18.55		15.9	0.0
100	16QAM	1	1	18.48		15.9	0.0
100	256QAM	1	1	18.46		15.9	0.0
Channel							
80	Frequency (MHz)			849300	853334	854668	Turn-up time (dBm)
80	QPSK	1	1	18.44	18.55	18.45	15.9
Channel							
80	Frequency (MHz)			848568	853334	854000	Turn-up time (dBm)
80	QPSK	1	1	18.47	18.43	18.58	15.9
Channel							
70	Frequency (MHz)			3733.04	370234	367166	Turn-up time (dBm)
70	QPSK	1	1	18.47	18.49	18.49	15.9
Channel							
80	Frequency (MHz)			848568	853334	854000	Turn-up time (dBm)
80	QPSK	1	1	18.47	18.49	18.47	15.9
Channel							
80	Frequency (MHz)			848568	853334	854000	Turn-up time (dBm)
80	QPSK	1	1	18.49	18.49	18.47	15.9
Channel							
80	Frequency (MHz)			848568	853334	854000	Turn-up time (dBm)
80	QPSK	1	1	18.46	18.43	18.47	15.9
Channel							
80	Frequency (MHz)			3745	370234	367166	Turn-up time (dBm)
80	QPSK	1	1	18.47	18.49	18.49	15.9



Part 270 n78 Ant4 DS13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq. @50000)	Power Main Ch. 1 (Freq. @50000)	Power High Ch. 1 (Freq. @50000)	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P12.5 BPSK	1	1	18.77					
100	P12.5 BPSK	1	137	18.81			20.2	0.0	
100	P12.5 BPSK	1	271	19.25					
100	P12.5 BPSK	135	0	18.83			20.2	0.0	
100	P12.5 BPSK	135	80	19.60			20.2	0.0	
100	P12.5 BPSK	135	138	19.53			20.2	0.0	
100	P12.5 BPSK	270	0	18.80					
100	QPSK	1	1	19.00					
100	QPSK	1	137	19.52			20.2	0.0	
100	QPSK	1	271	19.71					
100	QPSK	135	0	19.84			20.2	0.0	
100	QPSK	135	80	19.87			20.2	0.0	
100	QPSK	135	138	19.58			20.2	0.0	
100	QPSK	270	0	19.80					
100	16QAM	1	1	19.83			20.2	0.0	
100	256QAM	1	1	17.70			19.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	18.41	18.86	18.50	20.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.40	18.87	18.50	20.2	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	18.44	18.89	18.50	20.2	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	18.44	18.86	18.50	20.2	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	18.41	18.87	18.47	20.2	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	18.41	18.87	18.47	20.2	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.43	18.87	18.51	20.2	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.46	18.87	18.40	20.2	0.0	

Part 270 n78 Ant4 DS13 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq. @50000)	Power Main Ch. 1 (Freq. @50000)	Power High Ch. 1 (Freq. @50000)	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P12.5 BPSK	1	1	14.80					
100	P12.5 BPSK	1	137	14.87			15.9	0.0	
100	P12.5 BPSK	1	271	14.73					
100	P12.5 BPSK	135	0	14.78			15.9	0.0	
100	P12.5 BPSK	135	80	14.96			15.9	0.0	
100	P12.5 BPSK	135	138	14.70			15.9	0.0	
100	P12.5 BPSK	270	0	14.80					
100	QPSK	1	1	14.90					
100	QPSK	1	137	14.89			15.9	0.0	
100	QPSK	1	271	14.80					
100	QPSK	135	0	14.84			15.9	0.0	
100	QPSK	135	80	14.90			15.9	0.0	
100	QPSK	135	138	14.77			15.9	0.0	
100	QPSK	270	0	14.87					
100	16QAM	0	1	14.87			15.9	0.0	
100	16QAM	1	1	14.71			15.9	0.0	
100	256QAM	1	1	14.70			15.9	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	14.50	14.43	14.42	15.9	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	14.47	14.40	14.41	15.9	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	14.47	14.44	14.43	15.9	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	14.51	14.44	14.42	15.9	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	14.48	14.40	14.40	15.9	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	14.50	14.44	14.42	15.9	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	14.48	14.44	14.40	15.9	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	14.46	14.40	14.39	15.9	0.0	

Part270 n78 Ant4 DS13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq. @50000)	Power Main Ch. 1 (Freq. @50000)	Power High Ch. 1 (Freq. @50000)	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P12.5 BPSK	1	1	18.70					
100	P12.5 BPSK	1	137	18.87			20.2	0.0	
100	P12.5 BPSK	1	271	18.51					
100	P12.5 BPSK	135	0	18.80			20.2	0.0	
100	P12.5 BPSK	135	80	18.81			20.2	0.0	
100	P12.5 BPSK	135	138	18.40			20.2	0.0	
100	P12.5 BPSK	270	0	18.50					
100	QPSK	1	1	19.00					
100	QPSK	1	137	18.44			20.2	0.0	
100	QPSK	1	271	18.43					
100	QPSK	135	0	18.54			20.2	0.0	
100	QPSK	135	80	18.50			20.2	0.0	
100	QPSK	135	138	18.57			20.2	0.0	
100	QPSK	270	0	18.60					
100	16QAM	1	1	18.50			20.2	0.0	
100	16QAM	1	1	18.30			20.2	0.0	
100	256QAM	1	1	17.60			19.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	18.00	18.034	18.068	19.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.44	18.50	18.49	20.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.45	18.67	18.47	20.2	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	18.46	18.65	18.50	20.2	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	18.47	18.68	18.49	20.2	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	18.43	18.60	18.49	20.2	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	18.45	18.68	18.51	20.2	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.44	18.67	18.48	20.2	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.46	18.60	18.49	20.2	0.0	

Part27Q n78 Ant4 DS13 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq. @50000)	Power Main Ch. 1 (Freq. @50000)	Power High Ch. 1 (Freq. @50000)	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P12.5 BPSK	1	1	14.80					
100	P12.5 BPSK	1	137	14.87			15.9	0.0	
100	P12.5 BPSK	1	153	14.93					
100	P12.5 BPSK	1	169	14.98					
100	P12.5 BPSK	1	185	15.03			15.9	0.0	
100	P12.5 BPSK	1	201	15.08					
100	QPSK	1	1	14.80					
100	QPSK	1	137	14.83			15.9	0.0	
100	QPSK	1	153	14.85					
100	QPSK	1	169	14.88					
100	QPSK	1	185	14.92			15.9	0.0	
100	QPSK	1	201	14.95					
100	QPSK	1	217	14.97					
100	QPSK	1	233	15.00			15.9	0.0	
100	QPSK	1	249	15.03					
100	QPSK	1	265	15.05					
100	QPSK	1	281	15.07					
100	QPSK	1	297	15.10			15.9	0.0	
100	QPSK	1	313	15.13					
100	QPSK	1	329	15.15					
100	QPSK	1	345	15.18			15.9	0.0	
100	QPSK	1	361	15.21					
100	QPSK	1	377	15.23					
100	QPSK	1	393	15.26			15.9	0.0	
100	QPSK	1	409	15.29					
100	QPSK	1	425	15.31					
100	QPSK	1	441	15.34			15.9	0.0	
100	QPSK	1	457	15.37					
100	QPSK	1	473	15.39					
100	QPSK	1	489	15.42			15.9	0.0	
100	QPSK	1	505	15.45					
100	QPSK	1	521	15.47					
100	QPSK	1	537	15.50			15.9	0.0	
100	QPSK	1	553	15.53					
100	QPSK	1	569	15.55					
100	QPSK	1	585	15.58			15.9	0.0	
100	QPSK	1	601	15.61					
100	QPSK	1	617	15.63					
100	QPSK	1	633	15.66			15.9	0.0	
100	QPSK	1	649	15.69					
100	QPSK	1	665	15.71					
100	QPSK	1	681	15.74			15.9	0.0	
100	QPSK	1	697	15.77					
100	QPSK	1	713	15.79					
100	QPSK	1	729	15.82			15.9	0.0	
100	QPSK	1	745	15.85					
100	QPSK	1	761	15.87					
100	QPSK	1	777	15.90			15.9	0.0	
100	QPSK	1	793	15.93					
100	QPSK	1	809	15.95					
100	QPSK	1	825	15.98			15.9	0.0	
100	QPSK	1	841	16.01					
100	QPSK	1	857	16.03					
100	QPSK	1	873	16.06			15.9	0.0	
100	QPSK	1	889	16.09					
100	QPSK	1	905	16.11					
100	QPSK	1	921	16.14			15.9	0.0	
100	QPSK	1	937	16.17					
100	QPSK	1	953	16.19					
100	QPSK	1	969	16.22			15.9	0.0	
100	QPSK	1	985	16.25					
100	QPSK	1	1001	16.27					
100	QPSK	1	1017	16.30			15.9	0.0	
100	QPSK	1	1033	16.33					
100	QPSK	1	1049	16.35					
100	QPSK	1	1065	16.38			15.9	0.0	
100	QPSK	1	1081	16.41					
100	QPSK	1	1097	16.43					
100	QPSK	1	1113	16.46			15.9	0.0	
100	QPSK	1	1129	16.49					
100	QPSK	1	1145	16.51					
100	QPSK	1	1161	16.54			15.9	0.0	
100	QPSK	1	1177	16.57					
100	QPSK	1	1193	16.59					
100	QPSK	1	1209	16.62			15.9	0.0	
100	QPSK	1	1225	16.65					
100	QPSK	1	1241	16.67					
100	QPSK	1	1257	16.70			15.9	0.0	
100	QPSK	1	1273	16.73					
100	QPSK	1	1289	16.75					
100	QPSK	1	1305	16.78			15.9	0.0	
100	QPSK	1	1321	16.81					
100	QPSK	1	1337	16.83					
100	QPSK	1	1353	16.86			15.9	0.0	
100	QPSK	1	1369	16.89					
100	QPSK	1	1385	16.91					
100	QPSK	1	1401	16.94			15.9	0.0	
100	QPSK	1	1417	16.97					
100	QPSK	1	1433	16.99					
100	QPSK	1	1449	17.02			15.9	0.0	
100	QPSK	1	1465	17.05					
100	QPSK	1	1481	17.07					
100	QPSK	1	1497	17.10			15.9	0.0	
100	QPSK	1	1513	17.13					
100	QPSK	1	1529	17.15					
100	QPSK	1	1545	17.18			15.9	0.0	
100	QPSK	1	1561	17.21					
100	QPSK	1	1577	17.23					
100	QPSK	1	1593	17.26			15.9	0.0	
100	QPSK	1	1609	17.29					
100	QPSK	1	1625	17.31					
100	QPSK	1	1641	17.34			15.9	0.0	
100	QPSK	1	1657	17.37					
100	QPSK	1	1673	17.39					
100	QPSK	1	1689	17.42			15.9	0.0	
100	QPSK	1	1705	17.45					
100	QPSK	1	1721	17.47					
100	QPSK	1	1737	17.50			15.9	0.0	
100	QPSK	1	1753	17.53					
100	QPSK	1	1769	17.55					
100	QPSK	1	1785	17.58			15.9	0.0	
100	QPSK	1	1801	17.61					
100	QPSK	1	1817	17.63					
100	QPSK	1	1833	17.66			15.9	0.0	
100	QPSK	1	1849	17.69					
100	QPSK	1	1865	17.71					
100	QPSK	1	1881	17.74			15.9	0.0	
100	QPSK	1	1897	17.77					
100	QPSK	1	1913	17.79					
100	QPSK	1	1929	17.82			15.9	0.0	
100	QPSK	1	1945	17.85					
100	QPSK	1	1961	17.87					
100	QPSK	1	1977	17.90			15.9	0.0	
100	QPSK	1	1993	17.93					
100	QPSK	1	2009	17.95					
100	QPSK	1	2025	17.98			15.9	0.0	
100	QPSK	1	2041	18.01					
100	QPSK	1	2057	18.03					
100	QPSK	1	2073	18.06			15.9	0.0	
100	QPSK	1	2089	18.09					
100	QPSK	1	2105	18.11					
100	QPSK	1	2121	18.14			15.9	0.0	
100	QPSK	1	2137	18.17					
100	QPSK	1	2153	18.19					
100	QPSK	1	2169	18.22			15.9	0.0	
100	QPSK	1	2185	18.25					
100	QPSK	1	2201	18.27					
100	QPSK	1	2217	18.30			15.9	0.0	
100	QPSK	1	2233	18.33					
100	QPSK	1	2249	18.35					
100	QPSK	1	2265	18.38			15.9	0.0	
100	QPSK	1	2281	18.41					
100	QPSK	1	2297	18.43					
100	QPSK	1	2313	18.46			15.9	0.0	
100	QPSK	1	2329	18.49					
100	QPSK	1	2345	18.51					
100	QPSK	1	2361	18.54			15.9	0.0	
100	QPSK	1	2377	18.57					
100	QPSK	1	2393	18.59					
100	QPSK	1	2409	18.62			15.9	0.0	
100	QPSK	1	2425	18.65					
100	QPSK	1	2441	18.67					
100	QPSK	1	2457	18.70			15.9	0.0	
100	QPSK	1	2473	18.73					
100	QPSK	1	2489	18.75					
100	QPSK	1	2505	18.78			15.9	0.0	
100	QPSK	1	2521	18.81					
100	QPSK	1	2537	18.83					
100	QPSK	1	2553	18.86			15.9	0.0	
100	QPSK	1	2569	18.89					
100	QPSK	1	2585	18.91					
100	QPSK	1	2601	18.94			15.9	0.0	
100	QPSK	1	2617	18.97					
100	QPSK	1	2633	18.99					
100	QPSK	1	2649	19.02			15.9	0.0	
100	QPSK	1	2665	19.05					
100	QPSK	1	2681	19.07					
100	QPSK	1	2697	19.10			15.9	0.0	
100	QPSK	1	2713	19.13					
100	QPSK	1	2729	19.15					
100	QPSK	1	2745	19.18			15.9	0.0	
100	QPSK	1	2761	19.21					
100	QPSK	1	2777	19.23					
100	QPSK	1	2793	19.26			15.9	0.0	
100	QPSK	1	2809	19.29					
100	QPSK	1	2825	19.31					
100	QPSK	1	2841	19.34			15.9	0.0	
100	QPSK	1	2857	19.37					
100	QPSK	1	2873	19.39					
100	QPSK	1	2889	19.42			15.9	0.0	
100									



n7 Ant1 DSI6 Simultaneous								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				2325	2335	2345	23.3	0.0
Frequency (MHz)				505000	507000	509000		
50	PQ2 BPSK	1	1	21.63	21.69	21.60	23.3	0.0
50	PQ2 BPSK	1	135	21.72	21.76	21.66		
50	PQ2 BPSK	1	268	21.76	21.82	21.76	22.8	0.5
50	PQ2 BPSK	135	0	21.68	21.72	21.63		
50	PQ2 BPSK	135	68	21.64	21.71	21.67	23.3	0.0
50	PQ2 BPSK	135	135	21.71	21.75	21.71		
50	PQ2 BPSK	270	0	21.57	21.66	21.57	23.3	0.0
50	QPSK	1	1	21.83	21.84	21.75		
50	QPSK	1	135	21.68	21.77	21.72	23.3	0.0
50	QPSK	1	268	21.65	21.74	21.70		
50	QPSK	135	0	21.65	21.70	21.64	23.3	0.0
50	QPSK	135	68	21.66	21.74	21.63		
50	QPSK	135	135	21.55	21.61	21.53	23.3	0.0
50	QPSK	270	0	21.58	21.65	21.57		
50	16QAM	1	1	21.52	21.62	21.57	23.0	0.3
50	64QAM	1	1	20.75	20.84	20.76		
50	256QAM	1	1	18.67	18.75	18.66	19.5	3.8
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2320	2335	2350	(dBm)	(dB)
40	QPSK	1	1	21.62	21.68	21.48	23.3	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555	(dBm)	(dB)
30	QPSK	1	1	21.48	21.57	21.52	23.3	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5	(dBm)	(dB)
25	QPSK	1	1	21.50	21.56	21.49	23.3	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2565	(dBm)	(dB)
20	QPSK	1	1	21.49	21.58	21.51	23.3	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)
15	QPSK	1	1	21.52	21.56	21.48	23.3	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)
10	QPSK	1	1	21.53	21.61	21.50	23.3	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)
5	QPSK	1	1	21.53	21.56	21.50	23.3	0.0

n66 Ant1 DSI6								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000	21.0	0.0
Frequency (MHz)				1720	1745	1760		
40	PQ2 BPSK	1	1	19.96	20.05	19.99	21.0	0.0
40	PQ2 BPSK	1	108	19.88	19.92	19.87		
40	PQ2 BPSK	1	214	19.97	20.05	19.98	21.0	0.0
40	PQ2 BPSK	108	0	19.85	19.92	19.85		
40	PQ2 BPSK	108	54	19.93	20.01	19.96	21.0	0.0
40	PQ2 BPSK	108	108	20.04	20.09	20.00		
40	PQ2 BPSK	216	0	19.96	20.06	20.00	21.0	0.0
40	QPSK	1	1	20.04	20.17	20.08		
40	QPSK	1	108	19.90	19.99	19.89	21.0	0.0
40	QPSK	1	214	20.01	20.07	19.93		
40	QPSK	108	0	19.86	19.95	19.88	21.0	0.0
40	QPSK	108	54	20.01	20.03	19.99		
40	QPSK	108	108	19.81	19.89	19.84	21.0	0.0
40	QPSK	216	0	20.01	20.05	19.99		
40	16QAM	1	1	19.90	19.97	19.88	21.0	0.0
40	64QAM	1	1	20.07	20.13	20.05		
40	256QAM	1	1	18.45	18.51	18.47	19.5	1.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)
30	QPSK	1	1	19.82	19.91	19.78	21.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)
20	QPSK	1	1	19.80	19.88	19.84	21.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)
15	QPSK	1	1	19.76	19.89	19.81	21.0	0.0
Channel				342000	349000	356000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)
10	QPSK	1	1	19.76	19.91	19.81	21.0	0.0
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1772.5	(dBm)	(dB)
5	QPSK	1	1	19.77	19.89	19.83	21.0	0.0

n66 Ant1 DSI6 Simultaneous								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000	19.5	0.0
Frequency (MHz)				1720	1745	1760		
40	PQ2 BPSK	1	1	18.41	18.51	18.42	19.5	0.0
40	PQ2 BPSK	1	108	18.36	18.43	18.34		
40	PQ2 BPSK	1	214	18.47	18.52	18.47	19.5	0.0
40	PQ2 BPSK	108	0	18.33	18.42	18.36		
40	PQ2 BPSK	108	54	18.30	18.39	18.34	19.5	0.0
40	PQ2 BPSK	108	108	18.50	18.59	18.52		
40	PQ2 BPSK	216	0	18.37	18.47	18.37	19.5	0.0
40	QPSK	1	1	18.57	18.61	18.52		
40	QPSK	1	108	18.41	18.49	18.41	19.5	0.0
40	QPSK	1	214	18.45	18.51	18.47		
40	QPSK	108	0	18.36	18.42	18.32	19.5	0.0
40	QPSK	108	54	18.49	18.54	18.41		
40	QPSK	108	108	18.35	18.44	18.39	19.5	0.0
40	QPSK	216	0	18.32	18.39	18.34		
40	16QAM	1	1	18.44	18.48	18.42	19.5	0.0
40	64QAM	1	1	18.47	18.54	18.49		
40	256QAM	1	1	18.36	18.45	18.37	19.5	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)
30	QPSK	1	1	18.28	18.33	18.24	19.5	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)
20	QPSK	1	1	18.24	18.32	18.29	19.5	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)
15	QPSK	1	1	18.23	18.33	18.28	19.5	0.0
Channel				342000	349000	356000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)
10	QPSK	1	1	18.25	18.30	18.24	19.5	0.0
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1772.5	(dBm)	(dB)
5	QPSK	1	1	18.26	18.34	18.25	19.5	0.0

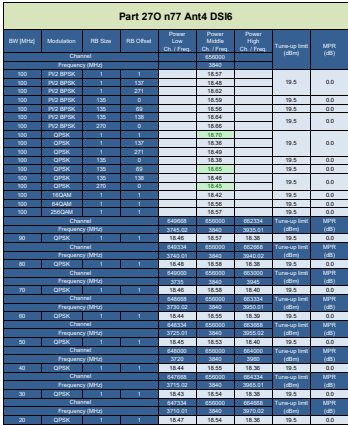
n66 Ant2 DSI6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Main Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000	22.4	0.0	
Frequency (MHz)				1720	1745	1760			
40	PI2 BPSK	1	1	21.34	21.39	21.52			
40	PI2 BPSK	1	108	21.24	21.33	21.24			
40	PI2 BPSK	1	214	21.36	21.41	21.36	22.4	0.0	
40	PI2 BPSK	108	0	21.23	21.29	21.20			
40	PI2 BPSK	108	54	21.08	21.17	21.12			
40	PI2 BPSK	108	108	21.02	21.11	21.01			
40	PI2 BPSK	216	0	21.04	21.09	21.00	22.4	0.0	
40	QPSK	1	1	21.44	21.47	21.42			
40	QPSK	1	108	21.28	21.33	21.24			
40	QPSK	1	214	21.23	21.29	21.21			
40	QPSK	108	0	21.12	21.19	21.13	22.4	0.0	
40	QPSK	108	54	21.11	21.20	21.08			
40	QPSK	108	108	21.08	21.17	21.08			
40	QPSK	216	0	21.02	21.11	21.01			
40	16QAM	1	1	21.08	21.15	21.07	22.4	0.0	
40	64QAM	1	1	20.16	20.22	20.16			
40	256QAM	1	1	18.21	18.29	18.23			
Channel				346000	349000	353000	Tune-up limit	MPR	
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)	
30	QPSK	1	1	20.85	21.05	20.94	22.4	0.0	
Channel				342000	349000	350000			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	20.87	21.00	20.96		22.4	
Channel				343000	349000	351000			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	20.98	21.05	20.93		22.4	
Channel				343000	349000	355000			
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	21.00	21.00	20.91		22.4	
Channel				342500	349000	355000			
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	20.98	21.04	20.91		22.4	

n66 DSI6 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Main Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000	20.9	0.0	
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	19.82	19.87	19.80			
40	PI2 BPSK	1	108	19.73	19.77	19.68			
40	PI2 BPSK	1	214	19.79	19.86	19.78	20.9	0.0	
40	PI2 BPSK	108	0	19.87	19.73	19.68			
40	PI2 BPSK	108	54	19.86	19.80	19.84			
40	PI2 BPSK	108	108	19.76	19.82	19.74			
40	PI2 BPSK	216	0	19.74	19.82	19.74	20.9	0.0	
40	QPSK	1	1	19.83	19.91	19.81			
40	QPSK	1	108	19.82	19.89	19.83			
40	QPSK	1	214	19.74	19.84	19.76			
40	QPSK	108	0	19.89	19.75	19.66	20.9	0.0	
40	QPSK	108	54	19.79	19.63	19.77			
40	QPSK	108	108	19.61	19.71	19.67			
40	QPSK	216	0	19.82	19.88	19.83			
40	16QAM	1	1	19.74	19.81	19.73	20.9	0.0	
40	64QAM	1	1	19.84	19.69	19.62			
40	256QAM	1	1	18.18	18.26	18.21			
Channel				346000	349000	353000	Tune-up limit	MPR	
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)	
30	QPSK	1	1	19.69	19.78	19.73	20.9	0.0	
Channel				344000	349000	350000			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	19.74	19.76	19.72		20.9	
Channel				345000	349000	351000			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	19.74	19.78	19.73		20.9	
Channel				343000	349000	355000			
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	19.70	19.79	19.73		20.9	
Channel				342500	349000	355000			
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	19.72	19.75	19.67		20.9	

n38 Ant1 DS16									
BW [kHz]	Modulation	RB Size	RB Offset	Power Low Ch. F [Hz]	Power Modula Ch. F [Hz]	Power High Ch. F [Hz]	Turn-up time [dBm]	MPE [dB]	
Channel				516004	516000	516006			
Frequency [MHz]				2580.02	2580	2580.06			
40	Proc BPSK	1	1	22.45	22.51	22.45			
40	Proc BPSK	1	50	22.43	22.52	22.44	22.5	0.0	
40	Proc BPSK	1	104	22.43	22.48	22.50			
40	Proc BPSK	50	0	22.51	22.49	22.50	22.5	0.0	
40	Proc BPSK	50	26	22.45	22.53	22.45	22.5	0.0	
40	Proc BPSK	100	0	22.50	22.49	22.50	22.5	0.0	
40	Proc BPSK	100	0	22.50	22.48	22.50			
40	QPSK	1	1	22.46	22.50	22.46			
40	QPSK	1	50	22.47	22.50	22.47	22.5	0.0	
40	QPSK	1	104	22.49	22.48	22.47			
40	QPSK	50	0	22.51	22.47	22.51	22.5	0.0	
40	QPSK	50	26	22.44	22.54	22.50	22.5	0.0	
40	QPSK	100	0	22.51	22.47	22.51	22.5	0.0	
40	QPSK	100	0	22.49	22.51	22.50	22.5	0.0	
40	16QAM	1	1	20.48	20.44	20.50	21.5	2.0	
40	256QAM	1	1	19.25	19.20	19.25	19.5	4.0	
Channel				517002	516000	516006	Turn-up time [dBm]	MPE	
Frequency [MHz]				2600	2580	2620			
30	QPSK	1	1	21.51	21.75	21.75	22.5	0.0	
Channel				516000	516000	516000	Turn-up time [dBm]	MPE	
Frequency [MHz]				2580	2580	2580			
20	QPSK	1	1	21.71	21.75	21.71	22.5	0.0	

n38 Ant1 DS16 Simultaneous									
BW [kHz]	Modulation	RB Size	RB Offset	Power Low Ch. F [Hz]	Power Modula Ch. F [Hz]	Power High Ch. F [Hz]	Turn-up time [dBm]	MPE [dB]	
Channel				516004	516000	516006			
Frequency [MHz]				2580.02	2580	2580.06			
40	Proc BPSK	1	1	21.27	21.30	21.29			
40	Proc BPSK	1	50	21.16	21.20	21.20	22.0	0.0	
40	Proc BPSK	1	104	21.27	21.33	21.29			
40	Proc BPSK	50	0	21.14	21.24	21.17	22.0	0.0	
40	Proc BPSK	50	26	21.17	21.27	21.18	22.0	0.0	
40	Proc BPSK	100	0	21.23	21.28	21.25	22.0	0.0	
40	Proc BPSK	100	0	21.23	21.28	21.25			
40	QPSK	1	1	21.33	21.35	21.31	22.0	0.0	
40	QPSK	1	50	21.28	21.25	21.21	22.0	0.0	
40	QPSK	1	104	21.21	21.28	21.22			
40	QPSK	50	0	21.09	21.15	21.11	21.5	0.0	
40	QPSK	50	26	21.18	21.25	21.19	22.0	0.0	
40	QPSK	100	0	21.08	21.17	21.09	21.5	0.0	
40	QPSK	100	0	21.22	21.28	21.25	21.5	0.0	
40	16QAM	1	1	20.11	20.16	20.16	20.0	0.0	
40	16QAM	1	1	20.79	20.88	20.82	21.5	0.0	
40	256QAM	1	1	19.57	19.73	19.67	19.0	2.0	
Channel				517002	516000	516006	Turn-up time [dBm]	MPE	
Frequency [MHz]				2600	2580	2620			
30	QPSK	1	1	21.29	21.30	21.30	22.0	0.0	
Channel				516000	516000	516000	Turn-up time [dBm]	MPE	
Frequency [MHz]				2580	2580	2580			
20	QPSK	1	1	21.24	21.28	21.26	22.0	0.0	

n38 Ant2 DS16									
BW [kHz]	Modulation	RB Size	RB Offset	Power Low Ch. F [Hz]	Power Modula Ch. F [Hz]	Power High Ch. F [Hz]	Turn-up time [dBm]	MPE [dB]	
Channel				516004	516000	516006			
Frequency [MHz]				2580.02	2580	2580.06			
40	Proc BPSK	1	1	22.59	22.61	22.59			
40	Proc BPSK	1	50	22.57	22.55	22.51	24.0	0.0	
40	Proc BPSK	1	104	22.43	22.45	22.39			
40	Proc BPSK	50	0	22.53	22.49	22.50	22.5	0.0	
40	Proc BPSK	50	26	22.38	22.52	22.51	24.0	0.0	
40	Proc BPSK	100	0	22.50	22.49	22.50	22.5	0.0	
40	Proc BPSK	100	0	22.51	22.50	22.50			
40	QPSK	1	1	22.54	22.55	22.54			
40	QPSK	1	50	22.45	22.50	22.39	24.0	0.0	
40	QPSK	1	104	22.34	22.53	22.39			
40	QPSK	50	0	22.50	22.41	22.51	22.5	0.0	
40	QPSK	50	26	22.37	22.50	22.38	24.0	0.0	
40	QPSK	100	0	22.50	22.48	22.50	22.5	0.0	
40	16QAM	1	1	21.71	21.64	21.65	22.0	1.0	
40	16QAM	1	1	22.22	22.20	22.18	21.5	2.0	
40	256QAM	1	1	21.44	21.40	21.40	19.0	4.0	
Channel				517002	516000	516006	Turn-up time [dBm]	MPE	
Frequency [MHz]				2600	2580	2620			
30	QPSK	1	1	22.43	22.37	22.37	24.0	0.0	
Channel				516000	516000	516000	Turn-up time [dBm]	MPE	
Frequency [MHz]				2580	2580	2580			
20	QPSK	1	1	22.25	22.38	22.45	24.0	0.0	



Part 270 n77 Ant4 DS6 Simultaneous								
Cell ID	Installation	BS Size	BS Offset	Power Low dBm	Power Max dBm	Power High dBm	Turnup time (min)	MPR (dB)
Channel								
Frequency (MHz)								
186	QPSK	BS1	1	12.18				
186	QPSK	BS1	211	12.17			18.0	0.0
186	QPSK	BS1	211	12.17				
186	QPSK	BS1	135	66	12.18		18.0	0.0
186	QPSK	BS1	135	66	12.18		18.0	0.0
186	QPSK	BS1	136	136	12.18		18.0	0.0
186	QPSK	BS1	273	136	12.17			
186	QPSK	BS1	1	12.24				
186	QPSK	BS1	135	136	12.18		18.0	0.0
186	QPSK	BS1	211	12.18				
186	QPSK	BS1	135	66	12.18		17.0	1.0
186	QPSK	BS1	135	66	12.17		18.0	0.0
186	QPSK	BS1	273	0	12.24		17.0	1.0
186	QPSK	BS1	273	0	12.24		18.0	0.0
186	QPSK	BS1	1	12.21			18.0	0.0
186	QPSK	BS1	1	12.21			18.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	BS1	1	99.993	99.993	99.993	Turnup time	MPR
Channel								
Frequency (MHz)								
90	QPSK	BS1	1	12.04	12.12	12.26	18.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	BS1	1	12.05	12.05	12.09	18.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	BS1	1	12.08	12.18	12.28	18.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	BS1	1	99.993	99.993	99.993	Turnup time	MPR
Channel								
Frequency (MHz)								
50	QPSK	BS1	1	12.04	12.18	12.26	18.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	BS1	1	12.04	12.12	12.28	18.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	BS1	1	12.05	12.05	12.09	18.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	BS1	1	12.08	12.18	12.28	18.0	0.0

Part27Q n77 Ant4 D516									
Ref	Ant4	Modulation	RF Size	RF ChOf	Time Low Power dBm	Max Power dBm	Time high Power dBm	Power diff (dB)	MPR (dB)
Channel									
Frequency (MHz)									
300	QPSK	1	1	1	18.27				
300	QPSK	1	1	2	18.27			10.0	0.0
300	QPSK	1	1	271	18.33				
300	QPSK	1	1	272	18.33			10.0	0.0
300	QPSK	135	60	1	18.33				
300	QPSK	135	60	2	18.33			10.0	0.0
300	QPSK	135	176	1	18.45				
300	QPSK	135	176	2	18.45			10.0	0.0
300	QPSK	1	1	1	18.52				
300	QPSK	1	1	2	18.52			10.0	0.0
300	QPSK	135	176	1	18.52				
300	QPSK	135	176	2	18.52			10.0	0.0
300	QPSK	135	60	1	18.57				
300	QPSK	135	60	2	18.57			10.0	0.0
300	QPSK	270	0	0	18.67				
300	QPSK	270	0	0	18.67			10.0	0.0
300	QPSK	1	1	1	18.67				
300	QPSK	1	1	2	18.67			10.0	0.0
Channel									
Frequency (MHz)									
300	QPSK	1	1	1	18.68	18.68	18.68	0.0	MPR
300	QPSK	1	1	2	18.68	18.68	18.68	0.0	MPR
300	QPSK	135	60	1	18.68	18.68	18.68	0.0	MPR
300	QPSK	135	60	2	18.68	18.68	18.68	0.0	MPR
300	QPSK	135	176	1	18.68	18.68	18.68	0.0	MPR
300	QPSK	135	176	2	18.68	18.68	18.68	0.0	MPR
300	QPSK	1	1	1	18.69	18.69	18.69	0.0	MPR
300	QPSK	1	1	2	18.69	18.69	18.69	0.0	MPR
300	QPSK	135	60	1	18.69	18.69	18.69	0.0	MPR
300	QPSK	135	60	2	18.69	18.69	18.69	0.0	MPR
300	QPSK	135	176	1	18.69	18.69	18.69	0.0	MPR
300	QPSK	135	176	2	18.69	18.69	18.69	0.0	MPR
300	QPSK	1	1	1	18.70	18.70	18.70	0.0	MPR
300	QPSK	1	1	2	18.70	18.70	18.70	0.0	MPR
300	QPSK	135	60	1	18.70	18.70	18.70	0.0	MPR
300	QPSK	135	60	2	18.70	18.70	18.70	0.0	MPR
300	QPSK	135	176	1	18.70	18.70	18.70	0.0	MPR
300	QPSK	135	176	2	18.70	18.70	18.70	0.0	MPR
300	QPSK	1	1	1	18.71	18.71	18.71	0.0	MPR
300	QPSK	1	1	2	18.71	18.71	18.71	0.0	MPR
300	QPSK	135	60	1	18.71	18.71	18.71	0.0	MPR
300	QPSK	135	60	2	18.71	18.71	18.71	0.0	MPR
300	QPSK	135	176	1	18.71	18.71	18.71	0.0	MPR
300	QPSK	135	176	2	18.71	18.71	18.71	0.0	MPR

Part27Q n77 An4 DS6 Simultaneous							
Ch	FM/SS	Modulation	RB Size	Sub Channel	Ch. Freq. (MHz)	Max. Power (dBm)	Power Spectral Density (dBm/Hz)
Channel							
1	FM	FSK	12.5	1	12.25	12.0	0.0
100	FM	FSK BPSK	1	1	12.25	18.0	0.0
101	FM	FSK BPSK	1	271	12.21	18.0	0.0
102	FM	FSK BPSK	1	272	12.21	18.0	0.0
103	FM	FSK BPSK	130	1	12.23	18.0	0.0
104	FM	FSK BPSK	130	270	12.23	18.0	0.0
105	FM	FSK BPSK	130	130	12.24	18.0	0.0
106	FM	FSK BPSK	130	270	12.25	18.0	0.0
107	QPSK	SS	1	1	12.18	18.0	0.0
108	QPSK	SS	1	271	12.17	18.0	0.0
109	QPSK	SS	130	1	12.19	18.0	0.0
110	QPSK	SS	130	270	12.19	18.0	0.0
111	QPSK	SS	270	0	12.20	18.0	0.0
112	QPSK	SS	270	0	12.20	18.0	0.0
113	QPSK	SS	270	0	12.20	18.0	0.0
114	QPSK	SS	270	0	12.20	18.0	0.0
115	QPSK	SS	270	0	12.20	18.0	0.0
116	QPSK	SS	270	0	12.20	18.0	0.0
117	QPSK	SS	270	0	12.20	18.0	0.0
118	QPSK	SS	270	0	12.20	18.0	0.0
119	QPSK	SS	270	0	12.20	18.0	0.0
120	QPSK	SS	270	0	12.20	18.0	0.0
121	QPSK	SS	270	0	12.20	18.0	0.0
122	QPSK	SS	270	0	12.20	18.0	0.0
123	QPSK	SS	270	0	12.20	18.0	0.0
124	QPSK	SS	270	0	12.20	18.0	0.0
125	QPSK	SS	270	0	12.20	18.0	0.0
126	QPSK	SS	270	0	12.20	18.0	0.0
127	QPSK	SS	270	0	12.20	18.0	0.0
128	QPSK	SS	270	0	12.20	18.0	0.0
129	QPSK	SS	270	0	12.20	18.0	0.0
130	QPSK	SS	270	0	12.20	18.0	0.0
131	QPSK	SS	270	0	12.20	18.0	0.0
132	QPSK	SS	270	0	12.20	18.0	0.0
133	QPSK	SS	270	0	12.20	18.0	0.0
134	QPSK	SS	270	0	12.20	18.0	0.0
135	QPSK	SS	270	0	12.20	18.0	0.0
136	QPSK	SS	270	0	12.20	18.0	0.0
137	QPSK	SS	270	0	12.20	18.0	0.0
138	QPSK	SS	270	0	12.20	18.0	0.0
139	QPSK	SS	270	0	12.20	18.0	0.0
140	QPSK	SS	270	0	12.20	18.0	0.0
141	QPSK	SS	270	0	12.20	18.0	0.0
142	QPSK	SS	270	0	12.20	18.0	0.0
143	QPSK	SS	270	0	12.20	18.0	0.0
144	QPSK	SS	270	0	12.20	18.0	0.0
145	QPSK	SS	270	0	12.20	18.0	0.0
146	QPSK	SS	270	0	12.20	18.0	0.0
147	QPSK	SS	270	0	12.20	18.0	0.0
148	QPSK	SS	270	0	12.20	18.0	0.0
149	QPSK	SS	270	0	12.20	18.0	0.0
150	QPSK	SS	270	0	12.20	18.0	0.0
151	QPSK	SS	270	0	12.20	18.0	0.0
152	QPSK	SS	270	0	12.20	18.0	0.0
153	QPSK	SS	270	0	12.20	18.0	0.0
154	QPSK	SS	270	0	12.20	18.0	0.0
155	QPSK	SS	270	0	12.20	18.0	0.0
156	QPSK	SS	270	0	12.20	18.0	0.0
157	QPSK	SS	270	0	12.20	18.0	0.0
158	QPSK	SS	270	0	12.20	18.0	0.0
159	QPSK	SS	270	0	12.20	18.0	0.0
160	QPSK	SS	270	0	12.20	18.0	0.0
161	QPSK	SS	270	0	12.20	18.0	0.0
162	QPSK	SS	270	0	12.20	18.0	0.0
163	QPSK	SS	270	0	12.20	18.0	0.0
164	QPSK	SS	270	0	12.20	18.0	0.0
165	QPSK	SS	270	0	12.20	18.0	0.0
166	QPSK	SS	270	0	12.20	18.0	0.0
167	QPSK	SS	270	0	12.20	18.0	0.0
168	QPSK	SS	270	0	12.20	18.0	0.0
169	QPSK	SS	270	0	12.20	18.0	0.0
170	QPSK	SS	270	0	12.20	18.0	0.0
171	QPSK	SS	270	0	12.20	18.0	0.0
172	QPSK	SS	270	0	12.20	18.0	0.0
173	QPSK	SS	270	0	12.20	18.0	0.0
174	QPSK	SS	270	0	12.20	18.0	0.0
175	QPSK	SS	270	0	12.20	18.0	0.0
176	QPSK	SS	270	0	12.20	18.0	0.0
177	QPSK	SS	270	0	12.20	18.0	0.0
178	QPSK	SS	270	0	12.20	18.0	0.0
179	QPSK	SS	270	0	12.20	18.0	0.0
180	QPSK	SS	270	0	12.20	18.0	0.0
181	QPSK	SS	270	0	12.20	18.0	0.0
182	QPSK	SS	270	0	12.20	18.0	0.0
183	QPSK	SS	270	0	12.20	18.0	0.0
184	QPSK	SS	270	0	12.20	18.0	0.0
185	QPSK	SS	270	0	12.20	18.0	0.0
186	QPSK	SS	270	0	12.20	18.0	0.0
187	QPSK	SS	270	0	12.20	18.0	0.0
188	QPSK	SS	270	0	12.20	18.0	0.0
189	QPSK	SS	270	0	12.20	18.0	0.0
190	QPSK	SS	270	0	12.20	18.0	0.0
191	QPSK	SS	270	0	12.20	18.0	0.0
192	QPSK	SS	270	0	12.20	18.0	0.0
193	QPSK	SS	270	0	12.20	18.0	0.0
194	QPSK	SS	270	0	12.20	18.0	0.0
195	QPSK	SS	270	0	12.20	18.0	0.0
196	QPSK	SS	270	0	12.20	18.0	0.0
197	QPSK	SS	270	0	12.20	18.0	0.0
198	QPSK	SS	270	0	12.20	18.0	0.0
199	QPSK	SS	270	0	12.20	18.0	0.0
200	QPSK	SS	270	0	12.20	18.0	0.0
201	QPSK	SS	270	0	12.20	18.0	0.0
202	QPSK	SS	270	0	12.20	18.0	0.0
203	QPSK	SS	270	0	12.20	18.0	0.0
204	QPSK	SS	270	0	12.20	18.0	0.0
205	QPSK	SS	270	0	12.20	18.0	0.0
206	QPSK	SS	270	0	12.20	18.0	0.0
207	QPSK	SS	270	0	12.20	18.0	0.0
208	QPSK	SS	270	0	12.20	18.0	0.0
209	QPSK	SS	270	0	12.20	18.0	0.0
210	QPSK	SS	270	0	12.20	18.0	0.0
211	QPSK	SS	270	0	12.20	18.0	0.0
212	QPSK	SS	270	0	12.20	18.0	0.0
213	QPSK	SS	270	0	12.20	18.0	0.0
214	QPSK	SS	270	0	12.20	18.0	0.0
215	QPSK	SS	270	0	12.20	18.0	0.0
216	QPSK	SS	270	0	12.20	18.0	0.0
217	QPSK	SS	270	0	12.20	18.0	0.0
218	QPSK	SS	270	0	12.20	18.0	0.0
219	QPSK	SS	270	0	12.20	18.0	0.0
220	QPSK	SS	270	0	12.20	18.0	0.0
221	QPSK	SS	270	0	12.20	18.0	0.0
222	QPSK	SS	270	0	12.20	18.0	0.0
223	QPSK	SS	270	0	12.20	18.0	0.0
224	QPSK	SS	270	0	12.20	18.0	0.0
225	QPSK	SS	270	0	12.20	18.0	0.0
226	QPSK	SS	270	0	12.20	18.0	0.0
227	QPSK	SS	270	0	12.20	18.0	0.0
228	QPSK	SS	270	0	12.20	18.0	0.0
229	QPSK	SS	270	0	12.20	18.0	0.0
230	QPSK	SS	270	0	12.20	18.0	0.0
231	QPSK	SS	270	0	12.20	18.0	0.0
232	QPSK	SS	270	0	12.20	18.0	0.0
233	QPSK	SS	270	0	12.20	18.0	0.0
234	QPSK	SS	270	0	12.20	18.0	0.0
235	QPSK	SS	270	0	12.20	18.0	0.0
236	QPSK	SS	270	0	12.20	18.0	0.0
237	QPSK	SS	270	0	12.20	18.0	0.0
238	QPSK	SS	270	0	12.20	18.0	0.0
239	QPSK	SS	270	0	12.20	18.0	0.0
240	QPSK	SS	270	0	12.20	18.0	0.0
241	QPSK	SS	270	0	12.20	18.0	0.0
242	QPSK	SS	270	0	12.20	18.0	0.0
243	QPSK	SS	270	0	12.20	18.0	0.0
244	QPSK	SS	270	0	12.20	18.0	0.0
245	QPSK	SS	270	0	12.20	18.0	0.0
246	QPSK	SS	270	0	12.20	18.0	0.0
247	QPSK	SS	270	0	12.20	18.0	0.0
248	QPSK	SS	270	0	12.20	18.0	0.0
249	QPSK	SS	270	0	12.20	18.0	0.0
250	QPSK	SS	270	0	12.20	18.0	0.0
251	QPSK	SS	270	0	12.20	18.0	0.0
252	QPSK	SS	270	0	12.20	18.0	0.0
253	QPSK	SS	270	0	12.20	18.0	0.0
254	QPSK	SS	270	0	12.20	18.0	0.0
255	QPSK	SS	270	0	12.20	18.0	0.0
256	QPSK	SS	270	0	12.20	18.0	0.0
257	QPSK	SS	270	0	12.20	18.0	0.0
258	QPSK	SS	270	0	12.20	18.0	0.0
259	QPSK	SS	270	0	12.20	18.0	0.0
260	QPSK	SS	270	0	12.20	18.0	0.0
261	QPSK	SS	270	0	12.20	18.0	0.0
262	QPSK	SS	270	0	12.20	18.0	0.0
263	QPSK	SS	270	0	12.20	18.0	0.0
264	QPSK	SS	270	0	12.20	18.0	0.0
265	QPSK	SS	270	0	12.20	18.0	0.0
266	QPSK	SS	270	0	12.20	18.0	0.0
267	QPSK	SS	270	0	12.20	18.0	0.0
268	QPSK	SS	270	0	12.20	18.0	0.0
269	QPSK	SS	270	0	12.20	18.0	0.0
270	QPSK	SS	270	0	12.20	18.0	0.0
271	QPSK	SS	270	0	12.20	18.0	0.0
272	QPSK	SS	270	0	12.20	18.0	0.0
273	QPSK	SS	270	0	12.20	18.0	0.0
274	QPSK	SS	270	0	12.20	18.0	0.0
275	QPSK	SS	270	0	12.20	18.0	0.0
276	QPSK	SS	270	0	12.20	18.0	0.0
277	QPSK	SS	270	0	12.20	18.0	0.0
278	QPSK	SS	270	0	12.20	18.0	0.0
279	QPSK	SS	270	0	12.20	18.0	0.0
280	QPSK	SS	270	0	12.20	18.0	0.0
281	QPSK	SS	270	0	12.20	18.0	

Part 270 n78 Ant4 DSi6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Power	Power Media Ch. Power	Power High Ch. Power	Turn-up time (dB)	MPE (dB)	
Channel									
Frequency MHz									
100	P25 BPSK	1	1	18.47				19.5	0.0
100	P25 BPSK	1	134	18.57					
100	P25 BPSK	1	271	18.48					
100	P25 BPSK	135	0	18.49				19.5	0.0
100	P25 BPSK	135	66	18.45				19.5	0.0
100	P25 BPSK	270	0	18.50					
100	P25 BPSK	270	0	18.52				19.5	0.0
100	QPSK	1	1	18.02					
100	QPSK	1	134	18.07				19.5	0.0
100	QPSK	1	271	18.37					
100	QPSK	135	0	18.24				19.5	1.0
100	QPSK	135	66	18.58				19.5	0.0
100	QPSK	270	0	18.30				19.5	1.0
100	16QAM	1	1	18.51				19.5	0.0
100	16QAM	1	1	18.42				19.5	0.0
100	256QAM	1	1	18.47				19.5	0.0
Channel									
Frequency MHz									
80	QPSK	1	1	18.36	18.30	18.50	19.5	0.0	
Channel									
Frequency MHz									
80	QPSK	1	1	18.07	18.21	18.02	19.5	0.0	
Channel									
Frequency MHz									
70	QPSK	1	1	18.18	18.24	18.03	19.5	0.0	
Channel									
Frequency MHz									
80	QPSK	1	1	18.07	18.22	18.03	19.5	0.0	
Channel									
Frequency MHz									
50	QPSK	1	1	18.09	18.26	18.04	19.5	0.0	
Channel									
Frequency MHz									
40	QPSK	1	1	18.07	18.21	18.04	19.5	0.0	
Channel									
Frequency MHz									
30	QPSK	1	1	18.08	18.24	18.02	19.5	0.0	
Channel									
Frequency MHz									
20	QPSK	1	1	18.11	18.23	18.01	19.5	0.0	

Part 270 n78 Ant4 DSi6 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Power	Power Media Ch. Power	Power High Ch. Power	Turn-up time (dB)	MPE (dB)	
Channel									
Frequency (MHz)									
100	P25 BPSK	1	1	17.08				18.0	0.0
100	P25 BPSK	1	134	17.05					
100	P25 BPSK	1	271	17.02					
100	P25 BPSK	135	0	17.06				18.0	0.0
100	P25 BPSK	135	66	17.02				18.0	0.0
100	P25 BPSK	270	0	17.06				18.0	0.0
100	P25 BPSK	270	0	17.05					
100	QPSK	1	1	17.02				18.0	0.0
100	QPSK	1	134	17.05				18.0	0.0
100	QPSK	1	271	16.94					
100	QPSK	135	0	16.97				17.0	1.0
100	QPSK	135	66	16.97				18.0	0.0
100	QPSK	270	0	16.93				17.0	1.0
100	16QAM	1	1	16.98				18.0	0.0
100	16QAM	1	1	16.88				18.0	0.0
100	256QAM	1	1	16.90				18.0	0.0
Channel									
Frequency (MHz)									
90	QPSK	1	1	16.75	16.82	16.84	18.0	0.0	MPE
Channel									
Frequency (MHz)									
90	QPSK	1	1	16.80	16.79	16.94	18.0	0.0	MPE
Channel									
Frequency (MHz)									
70	QPSK	1	1	16.90	16.90	16.92	18.0	0.0	MPE
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.77	16.81	16.87	18.0	0.0	MPE
Channel									
Frequency (MHz)									
50	QPSK	1	1	16.79	16.97	16.94	18.0	0.0	MPE
Channel									
Frequency (MHz)									
40	QPSK	1	1	16.77	16.79	16.90	18.0	0.0	MPE
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.78	16.79	16.83	18.0	0.0	MPE
Channel									
Frequency (MHz)									
20	QPSK	1	1	16.76	16.83	16.82	18.0	0.0	MPE

Part270Q n78 Ant4 DSi6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Power	Power Media Ch. Power	Power High Ch. Power	Turn-up time (dB)	MPE (dB)	
Channel									
Frequency (MHz)									
100	P25 BPSK	1	1	18.14				19.0	0.0
100	P25 BPSK	1	134	18.13					
100	P25 BPSK	1	271	18.23					
100	P25 BPSK	135	0	18.23				19.0	0.0
100	P25 BPSK	135	66	18.02				19.0	0.0
100	P25 BPSK	270	0	18.14				19.0	0.0
100	P25 BPSK	270	0	18.14					
100	QPSK	1	1	18.02				19.0	0.0
100	QPSK	1	134	18.20				19.0	0.0
100	QPSK	1	271	18.43					
100	QPSK	135	0	18.21				19.0	0.0
100	QPSK	135	66	18.08				19.0	0.0
100	QPSK	270	0	18.04				19.0	0.0
100	16QAM	1	1	18.21				19.0	0.0
100	16QAM	1	1	18.32				19.0	0.0
100	256QAM	1	1	18.20				19.0	0.0
Channel									
Frequency (MHz)									
90	QPSK	1	1	18.12	18.22	18.06	19.0	0.0	MPE
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.08	18.21	18.05	19.0	0.0	MPE
Channel									
Frequency (MHz)									
70	QPSK	1	1	18.09	18.22	18.04	19.0	0.0	MPE
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.11	18.23	18.02	19.0	0.0	MPE
Channel									
Frequency (MHz)									
50	QPSK	1	1	18.10	18.26	18.03	19.0	0.0	MPE
Channel									
Frequency (MHz)									
40	QPSK	1	1	18.10	18.20	18.01	19.0	0.0	MPE
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.11	18.24	18.02	19.0	0.0	MPE
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.08	18.23	18.01	19.0	0.0	MPE

Part270Q n78 Ant4 DSi6 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Power	Power Media Ch. Power	Power High Ch. Power	Turn-up time (dB)	MPE (dB)	
Channel									
Frequency (MHz)									
100	P25 BPSK	1	1	18.09				19.0	0.0
100	P25 BPSK	1	134	17.03					
100	P25 BPSK	1	271	18.08					
100	P25 BPSK	135	0	18.03				19.0	0.0
100	P25 BPSK	135	66	18.02				19.0	0.0
100	P25 BPSK	270	0	18.09				19.0	0.0
100	P25 BPSK	270	0	18.09					
100	QPSK	1	1	17.02				19.0	0.0
100	QPSK	1	134	18.02				19.0	0.0
100	QPSK	1	271	17.03					
100	QPSK	135	0	18.07				19.0	0.0
100	QPSK	135	66	18.06				19.0	0.0
100	QPSK	270	0	18.09				19.0	0.0
100	QPSK	270	0	18.09					
100	QPSK	1	1	18.08				19.0	0.0
100	QPSK	1	134	17.02					
Channel									
Frequency (MHz)									
90	QPSK	1	1	16.24	16.77	16.97	18.0	0.0	0.0
90	QPSK	1	134	15.18	15.71	15.90	18.0	0.0	0.0
90	QPSK	1	271	16.24	16.77	16.97	18.0	0.0	0.0
90	QPSK	135	0	16.19	16.72	16.92	18.0	0.0	0.0
90	QPSK	135	66	16.18	16.71	16.91	18.0	0.0	0.0
90	QPSK	270	0	16.24	16.77	16.97	18.0	0.0	0.0
90	QPSK	270	0	16.24	16.77	16.97	18.0	0.0	0.0
90	QPSK	1	1	16.19	16.72	16.92	18.0	0.0	0.0
90	QPSK	1	134	15.18	15.71	15.90	18.0	0.0	0.0
90	QPSK	1	271	16.24	16.77	16.97	18.0	0.0	0.0
90	QPSK	135	0	16.19	16.72	16.92	18.0	0.0	0.0
90	QPSK	135	66	16.18	16.71	16.91	18.0	0.0	0.0
90	QPSK	270	0	16.24	16.77	16.97	18.0	0.0	0.0
90	QPSK	270	0	16.24	16.77	16.97	18.0	0.0	0.0
90	QPSK	1	1	16.19	16.72	16.92	18.0	0.0	0.0
90	QPSK	1	134	15.18	15.71	15.90	18.0	0.0	0.0
90	QPSK	1	271	16.24	16.77	16.97	18.0	0.0	0.0
90	QPSK	135	0	16.19	16.72	16.92	18.0	0.0	0.0
90	QPSK	135	66	16.18	16.71	16.91	18.0	0.0	0.0
90	QPSK	270	0	16.24	16.77	16.97	18.0	0.0	0.0
90	QPSK	270	0	16.24	16.77	16.97	18.0	0.0	0.0
90	QPSK	1	1	16.19	16.72	16.92	18.0	0.0	0.0
90	QPSK	1	134	15.18	15.71	15.90	18.0	0.0	0.0
90	QPSK	1	271	16.24	16.77	16.97	18.0	0.0	0.0
90	QPSK	135	0	16.19	16.72	16.92	18.0	0.0	0.0
90	QPSK	135	66	16.18	16.71	16.91	18.0	0.0	0.0
90	QPSK	270	0	16.24	16.77	16.97	18.0	0.0	0.0
90	QPSK	270	0	16.24	16.77	16.97	18.0	0.0	0.0
90	QPSK	1	1	16.19	16.72	16.92	18.0	0.0	0.0
90	QPSK	1	134	15.18	15.71	15.90	18.0	0.0	0.0
90	QPSK	1	271	16.24	16.77	16.97	18.0	0.0	0.0
90	QPSK	135	0	16.19	16.72	16.92	18.0	0.0	0.0
90	QPSK	135	66	16.18	16.71	16.91	18.0	0.0	0.0
90	QPSK	270	0	16.24	16.77	16.97	18.0	0.0	0.0
90	QPSK	270	0	16.24	16.77	16.97	18.0	0.0	0.0
90	QPSK	1	1	16.19	16.72	16.92	18.0	0.0	0.0
90	QPSK	1	134	15.18	15.71	15.90	18.0	0.0	0.0
90	QPSK	1	271	16.24	16.77	16.97	18.0	0.0	0.0
90	QPSK	135	0	16.19	16.72	16.92	18.0	0.0	0.0
90	QPSK	135	66	16.18	16.71	16.91	18.0	0.0	0.0
90	QPSK	270	0	16.24	16.77	16.97	18.0	0.0	0.0
90	QPSK	270	0	16.24	16.77	16.97	18.0	0.0	0.0
90	QPSK	1	1	16.19	16.72	16.92	18.0	0.0	0.0
90	QPSK	1	134	15.18	15.71	15.90	18.0	0.0	0.0
90	QPSK	1	271	16.24	16.77	16.97	18.0	0.0	0.0
90	QPSK	135	0	16.19	16.72	16.92	18.0	0.0	0.0
90	QPSK	135	66	16.18	16.71	16.91	18.0	0.0	0.0
90	QPSK	270	0	16.24	16.77	16.97	18.0	0.0	0.0
90	QPSK	270	0	16.24	16.77	16.97	18.0	0.0	0.0
90	QPSK	1	1	16.19	16.72	16.92	18.0	0.0	0.0
90	QPSK	1	134	15.18	15.71	15.90	18.0	0.0	0.0
90	QPSK	1	271	16.24	16.77	16.97	18.0	0.0	0.0
90	QPSK	135	0	16.19	16.72	16.92	18.0	0.0	0.0
90	QPSK	135	66	16.18	16.71	16.91	18.0	0.0	0.0
90	QPSK	270	0	16.24	16.77	16.97	18.0	0.0	0.0
90	QPSK	270	0	16.24	16.77	16.97	18.0	0.0	0.0
90	QPSK	1	1	16.19	16.72	16.92	18.0	0.0	0.0
90	QPSK	1	134	15.18	15.71	15.90	18.0	0.0	0.0
90	QPSK	1	271	16.24	16.77	16.97	18.0	0.0	0.0
90	QPSK	135	0	16.19	16.72	16.92	18.0	0.0	0.0
90	QPSK	135	66	16.18	16.71	16.91	18.0	0.0	0.0
90	QPSK	270	0	16.24	16.77	16.97	18.0	0.0	0.0
90	QPSK	270	0	16.24	16.77	16.97	18.0	0.0	0.0
90	QPSK	1	1	16.19	16.72	16.92	18.0	0.0	0.0
90	QPSK	1	134	15.18	15.71	15.90	18.0	0.0	0.0
90	QPSK	1	271	16.24	16.77	16.97	18.0	0.0	0.0
90	QPSK	135	0	16.19	16.72	16.92	18.0	0.0	0.0
90	QPSK	135	66	16.18	16.71	16.91	18.0	0.0	0.0
90	QPSK	270	0	16.24	16.77	16.97	18.0	0.0	0.0
90	QPSK	270	0	16.24	16.77	16.97	18.0	0.0	0.0
90	QPSK	1	1	16.19	16.72	16.92	18.0	0.0	0.0
90	QPSK	1	134	15.18	15.71	15.90	18.0	0.0	0.0
90	QPSK	1	271	16.24	16.77	16.97	18.0	0.0	0.0
90	QPSK	135	0	16.19	16.72	16.92	18.0	0.0	0.0
90	QPSK	135	66	16.18	16.71	16.91	18.0	0.0	0.0
90	QPSK	270	0	16.24	16.77	16.97	18.0	0.0	0.0
90	QPSK	270	0	16.24	16.77	16.97	18.0	0.0	0.0
90	QPSK	1	1	16.19	16.72	16.92	18.0	0.0	0.0
90	QPSK	1	134	15.18	15.71	15.90	18.0	0.0	0.0
90	QPSK	1	271	16.24	16.77	16.97	18.0	0.0	0.0
90	QPSK	135	0	16.19	16.72	16.92	18.0	0.0	0.0
90	QPSK	135	66	16.18	16.71	16.91	18.0	0.0	0.0
90	QPSK	270	0	16.24	16.77	16.97	18.0	0.0	0.0
90	QPSK	270	0	16.24	16.77	16.97	18.0	0.0	0.0
90	QPSK	1	1	16.19	16.72	16.92	18.0	0.0	0.0
90	QPSK	1	134	15.18	15.71	15.90	18.0	0.0	0.0
90	QPSK	1	271	16.24	16.77	16.97	18.0	0.0	0.0
90	QPSK	135	0	16.19	16.72	16.92	18.0	0.0	0.0
90	QPSK	135	66	16.18	16.71	16.91	18.0	0.0	0.0
90	QPSK	270	0	16.24	16.77	16.97	18.0	0.0	0.0
90	QPSK	270	0	16.24	16.77	16.97	18.0	0.0	0.0
90	QPSK	1	1	16.19	16.72	16.92	18.0	0.0	0.0
90	QPSK	1	134	15.18	15.71	15.90	18.0	0.0	0.0
90	QPSK	1	271	16.24	16.77	16.97	18.0	0.0	0.0
90	QPSK	135	0	16.19	16.72	16.92	18.0	0.0	0.0
90	QPSK	135	66	16.18	16.71	16.91	18.0	0.0	0.0
90	QPSK	270	0	16.24	16.77	16.97	18.0	0.0	0.0
90	QPSK	270	0	16.24	16.77	16.97	18.0	0.0	0.0
90	QPSK	1	1	16.19	16.72	16.92	18.0	0.0	0.0
90	QPSK	1	134	15.18	15.71	15.90	18.0	0.0	0.0
90	QPSK	1	271	16.24	16.77	16.97	18.0	0.0	0.0
90	QPSK	135	0	16.19	16.72	16.92	18.0	0.0	0.0
90	QPSK	135	66	16.18	16.71	16.91	18.0	0.0	0.0
90	QPSK	270	0	16.24	16.77	16.97	18.0	0.0	0.0
90	QPSK	270	0	16.24	16.77	16.97	18.0	0.0	0.0
90	QPSK	1	1	16.19	16.72	16.92	18.0	0.0	0.0
90	QPSK	1	134	15.18	15.71	15.90	18.0	0.0	0.0
90	QPSK	1	271	16.24	16.77	16.97	18.0	0.0	0.0
90	QPSK	135	0	16.19	16.72	16.92	18.0	0.0	0.0
90	QPSK	135	66	16.18	16.71	16.91	18.0	0.0	0.0
90	QPSK	270	0	16.24	16.77	16.97	18.0	0.0	0.0
90	QPSK	270	0	16.24	16.77	16.97	18.0	0.0	0.0
90	QPSK	1	1	16.19	16.72	16.92	18.0	0.0	0.0
90	QPSK	1	134	15.18	15.71	15.90	18.0	0.0	0.0
90	QPSK	1	271	16.24	16.77	16.97	18.0	0.0	0.0
90	QPSK	135	0	16.19	16.72	16.92	18.0	0.0	0.0
90	QPSK	135	66	16.18	16.71	16.91	18.0	0.0	0.0
90	QPSK	270	0	16.24	16.77	16.97	18.0	0.0	0.0
90	QPSK	270	0	16.24	16.77	16.97	18.0	0.0	0.0
90	QPSK	1	1	16.19	16.72	16.92	18.0	0.0	0.0
90	QPSK	1	134	15.18	15.71	15.90	18.0	0.0	0.0
90	QPSK	1	271	16.24	16.77	16.97	18.0	0.0	0.0
90	QPSK	135	0	16.19	16.72	16.92	18.0	0.0	0.0
90	QPSK	135	66	16.18	16.71	16.91	18.0	0.0	0.0
90	QPSK	270	0	16.24	16.77	16.97	18.0	0.0	0.0
90	QPSK	270	0	16.24	16.77	16.97	18.0	0.0	0.0
90	QPSK								

WLAN/Bluetooth Power

2.4GHz WLAN	Ant 3+6					Ant 3+6		Ant 3+6		Ant 3+6		Ant 3+6		Ant 3+6		
	Default Max Power Table Power Table 1: Simultaneous WLAN+WWAN Power Table 2: Simultaneous WLAN DBS+WWAN Extremity Power Table3 : Standalone WLAN Extremity Power Table 4: Standalone DBS WLAN Extremity Power Table 5: Simultaneous WLAN+WWAN Extremity Power Table 6: Simultaneous WLAN DBS+WWAN at Head Power Table 9: Standalone WLAN Hotspot Power Table (Standalone) Hotspot Power Table (Standalone DBS) Body-worn Power Table 13: Standalone WLAN Body-worn Power Table 14: Standalone DBS WLAN Body-worn Power Table 15: Simultaneous WLAN+WWAN					at Head Power Table 10: Standalone DBS WLAN Hotspot Power Table 8: Simultaneous WLAN DBS+WWAN		at Head Power Table 11: Simultaneous WLAN+WWAN		at Head Power Table 12: Simultaneous WLAN DBS+WWAN		Body-worn Power Table 16: Simultaneous WLAN DBS+WWAN		Hotspot Power Table 7: Simultaneous WLAN+WWAN		
2.4GHz WLAN	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	Duty Cycle %
	802.11b 1Mbps	1	2412	20.84	22.50	18.06	19.50	17.00	18.50	14.35	15.50	19.00	20.50	20.30	22.00	97.86
		6	2437	21.09	23.00	18.11	19.50	17.05	18.50	14.48	15.50	19.05	21.00	20.47	22.00	
		11	2462	20.74	22.50	18.00	19.50	16.99	18.50	14.32	15.50	18.99	20.50	20.19	22.00	
	802.11g 6Mbps	1	2412	20.01	22.00		19.50		18.50		15.50		20.50		22.00	99.27
		6	2437	19.85	21.50		19.50		18.50		15.50		20.50		21.50	
		11	2462	19.83	21.50		19.50		18.50		15.50		20.50		21.50	
	802.11n-HT20 MCS0	1	2412	18.99	20.50		19.50		18.50		15.50		20.50		20.50	100.00
		6	2437	19.22	21.00		19.50		18.50		15.50		20.50		21.00	
		11	2462	19.19	21.00		19.50		18.50		15.50		20.50		21.00	
	802.11n-HT40 MCS0	3	2422	17.96	19.50		19.50		18.50		15.50		19.50		19.50	100.00
		6	2437	17.93	19.50	Not Required	19.50	Not Required	18.50	Not Required	15.50	Not Required	19.50	Not Required	19.50	
		9	2452	18.18	20.00		19.50		18.50		15.50		20.00		20.00	
	802.11ax-HE20 MCS0	1	2412	19.10	21.00		19.50		18.50		15.50		20.50		21.00	100.00
		6	2437	19.38	21.00		19.50		18.50		15.50		20.50		21.00	
		11	2462	19.24	21.00		19.50		18.50		15.50		20.50		21.00	
	802.11ax-HE40 MCS0	3	2422	17.97	19.50		19.50		18.50		15.50		19.50		19.50	100.00
		6	2437	17.95	19.50		19.50		18.50		15.50		19.50		19.50	
		9	2452	18.22	20.00		19.50		18.50		15.50		20.00		20.00	

Note: The 2.4GHz WLAN can transmit in MIMO antenna mode only and it has no SISO antenna mode.

	Ant 6+7					Ant 6+7		Ant 6+7		Ant 6+7		Ant 6+7		Ant 6+7		Ant 6+7			
5GHz WLAN	Default Max Power Table Power Table 1: Simultaneous WLAN+WWAN Power Table 2: Simultaneous WLAN DBS+WWAN Extremity Power Table 3: Standalone WLAN at Head Power Table 9: Standalone WLAN at Head Power Table 10: Standalone DBS WLAN at Head Power Table 11: Simultaneous WLAN+WWAN at Head Power Table 12: Simultaneous WLAN DBS+WWAN					Body-worn Power Table 13: Standalone WLAN Extremity Power Table 6: Simultaneous WLAN DBS+WWAN Hotspot Power Table (Standalone)		Body-worn Power Table 14: Standalone DBS WLAN Hotspot Power Table (Standalone WLAN DBS)		Body-worn Power Table 15: Simultaneous WLAN+WWAN Hotspot Power Table 7: Simultaneous WLAN+WWAN		Body-worn Power Table 16: Simultaneous WLAN DBS+WWAN Hotspot Power Table 8: Simultaneous WLAN DBS+WWAN		Extremity Power Table 4: Standalone DBS WLAN		Extremity Power Table 5: Simultaneous WLAN+WWAN			
5.2GHz WLAN	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	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
	802.11a 6Mbps	36	5180	19.41	21.00		17.50		15.50		14.00		10.50		20.50		19.50	99.27	
		40	5200	19.99	21.50		17.50		15.50		14.00		10.50		20.50		19.50		
		44	5220	20.31	22.00		17.50		15.50		14.00		10.50		20.50		19.50		
		48	5240	20.29	22.00		17.50		15.50		14.00		10.50		20.50		19.50		
	802.11n-HT20 MCS0	36	5180	18.53	20.50		17.50		15.50		14.00		10.50	Not Required	20.50		19.50	100.00	
		40	5200	18.58	20.50		17.50		15.50		14.00		10.50		20.50		19.50		
		44	5220	18.81	20.50		17.50		15.50		14.00		10.50		20.50		19.50		
	802.11n-HT40 MCS0	48	5240	18.78	20.50	Not Required	17.50	Not Required	15.50	Not Required	14.00	Not Required	10.50	Not Required	20.50	Not Required	19.50	100.00	
		38	5190	18.68	20.50		17.50		15.50		14.00		10.50		18.68		20.50		19.50
		46	5230	18.87	20.50		17.50		15.50		14.00		10.50		18.96		20.50		19.50
	802.11ac-VHT20 MCS0	36	5180	18.56	20.50		17.50		15.50		14.00		10.50		20.50		19.50	100.00	
		40	5200	18.60	20.50		17.50		15.50		14.00		10.50		20.50		19.50		
		44	5220	18.87	20.50		17.50		15.50		14.00		10.50		20.50		19.50		
		48	5240	18.83	20.50		17.50		15.50		14.00		10.50		20.50		19.50		
	802.11ac-VHT40 MCS0	38	5190	18.81	20.50		17.50		15.50		14.00		10.50		20.50		19.50	100.00	
		46	5230	18.89	20.50		17.50		15.50		14.00		10.50		20.50		19.50		
	802.11ac-VHT80 MCS0	42	5210	17.80	19.50	16.00	17.50	14.44	15.50	12.93	14.00	9.07	10.50	Not Required	19.50	17.80	19.50	100.00	
	802.11ax-HE20 MCS0	36	5180	18.59	20.50		17.50		15.50		14.00		10.50	Not Required	20.50		19.50	100.00	
		40	5200	18.66	20.50		17.50		15.50		14.00		10.50		20.50		19.50		
		44	5220	18.97	20.50		17.50		15.50		14.00		10.50		20.50		19.50		
		48	5240	18.98	20.50	Not Required	17.50	Not Required	15.50	Not Required	14.00	Not Required	10.50		20.50	Not Required	19.50		
	802.11ax-HE40 MCS0	38	5190	18.84	20.50		17.50		15.50		14.00		10.50		20.50		19.50	100.00	
		46	5230	18.91	20.50		17.50		15.50		14.00		10.50		20.50		19.50		
	802.11ax-HE80 MCS0	42	5210	17.93	19.50		17.50		15.50		14.00		10.50		19.50		19.50	99.35	

Note: The 5GHz WLAN can transmit in MIMO antenna mode only and it has no SISO antenna mode.

	Ant 6+7					Ant 6+7		Ant 6+7		Ant 6+7		Ant 6+7		Ant 6+7		Ant 6+7		
	Default Max Power Table Power Table 1: Simultaneous WLAN+WWAN Power Table 2: Simultaneous WLAN DBS+WWAN Extremity Power Table3 : Standalone WLAN at Head Power Table 9: Standalone WLAN at Head Power Table 10: Standalone DBS WLAN at Head Power Table 11: Simultaneous WLAN+WWAN at Head Power Table 12: Simultaneous WLAN DBS+WWAN					Body-worn Power Table 13: Standalone WLAN Extremity Power Table 6: Simultaneous WLAN DBS+WWAN		Body-worn Power Table 14: Standalone DBS WLAN		Body-worn Power Table 15: Simultaneous WLAN+WWAN		Body-worn Power Table 16: Simultaneous WLAN DBS+WWAN		Extremity Power Table 4: Standalone DBS WLAN		Extremity Power Table 5: Simultaneous WLAN+WWAN		
5GHz WLAN																		
5.3GHz WLAN	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	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	52	5260	19.97	21.50		17.50		15.50		14.00		10.50	19.38	21.00		20.50	99.27
		56	5280	20.08	22.00		17.50		15.50		14.00		10.50	19.44	21.00		20.50	
		60	5300	20.01	22.00		17.50		15.50		14.00		10.50	19.32	21.00		20.50	
		64	5320	19.79	21.00		17.50		15.50		14.00		10.50	18.80	20.50		20.50	
	802.11n-HT20 MCS0	52	5260	18.67	20.50		17.50		15.50		14.00		10.50		20.50	Not Required	20.50	100.00
		56	5280	18.71	20.50		17.50		15.50		14.00		10.50		20.50	Not Required	20.50	
		60	5300	18.72	20.50		17.50		15.50		14.00		10.50		20.50	Not Required	20.50	
		64	5320	18.74	20.50	Not Required	17.50	Not Required	15.50	Not Required	14.00	Not Required	10.50		20.50	18.87	20.50	
	802.11n-HT40 MCS0	54	5270	18.87	20.50		17.50		15.50		14.00		10.50		20.50	18.66	20.50	100.00
		62	5310	18.66	20.50		17.50		15.50		14.00		10.50		20.50		20.50	
		52	5260	18.69	20.50		17.50		15.50		14.00		10.50		20.50		20.50	
		56	5280	18.79	20.50		17.50		15.50		14.00		10.50		20.50		20.50	
	802.11ac-VHT20 MCS0	60	5300	18.76	20.50		17.50		15.50		14.00		10.50		20.50		20.50	100.00
		64	5320	18.80	20.50		17.50		15.50		14.00		10.50		20.50		20.50	
		54	5270	18.90	20.50		17.50		15.50		14.00		10.50	Not Required	20.50		20.50	
		62	5310	18.88	20.50		17.50		15.50		14.00		10.50	Not Required	20.50		20.50	
	802.11ac-VHT80 MCS0	58	5290	18.05	20.00	16.40	17.50	13.95	15.50	12.19	14.00	8.55	10.50		20.00		20.00	100.00
	802.11ac-VHT160 MCS0	50	5250	17.06	19.50		17.50		15.50		14.00		10.50		19.50	Not Required	19.50	99.33
802.11ax-HE20 MCS0	52	5260	18.80	20.50		17.50		15.50		14.00		10.50		20.50		20.50	100.00	
	56	5280	18.86	20.50		17.50		15.50		14.00		10.50		20.50		20.50		
	60	5300	18.79	20.50		17.50		15.50		14.00		10.50		20.50		20.50		
	64	5320	18.87	20.50	Not Required	17.50	Not Required	15.50	Not Required	14.00	Not Required	10.50		20.50		20.50		
802.11ax-HE40 MCS0	54	5270	18.77	20.50		17.50		15.50		14.00		10.50		20.50		20.50	100.00	
	62	5310	18.93	20.50		17.50		15.50		14.00		10.50		20.50		20.50		
802.11ax-HE80 MCS0	58	5290	18.17	20.00		17.50		15.50		14.00		10.50		20.00		20.00	100.00	
802.11ax-HE160 MCS0	50	5250	17.19	19.50		17.50		15.50		14.00		10.50		19.50		19.50	99.33	

5GHz WLAN	Ant 6+7					Ant 6+7		Ant 6+7		Ant 6+7		Ant 6+7		Ant 6+7		Ant 6+7								
	Default Max Power Table Power Table 1: Simultaneous WLAN+WWAN Power Table 2: Simultaneous WLAN DBS+WWAN Extremity Power Table3 : Standalone WLAN Extremity Power Table 4: Standalone DBS WLAN at Head Power Table 9: Standalone WLAN at Head Power Table 10: Standalone DBS WLAN at Head Power Table 11: Simultaneous WLAN+WWAN at Head Power Table 12: Simultaneous WLAN DBS+WWAN					Body-worn Power Table 13: Standalone WLAN		Body-worn Power Table 14: Standalone DBS WLAN		Body-worn Power Table 15: Simultaneous WLAN+WWAN		Body-worn Power Table 16: Simultaneous WLAN DBS+WWAN		Extremity Power Table 5: Simultaneous WLAN+WWAN		Extremity Power Table 6: Simultaneous WLAN DBS+WWAN								
5.5GHz WLAN	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	Average power (dBm)	Tune-Up Limit	Duty Cycle %						
	802.11a 6Mbps	100	5500	19.70	21.50		15.00		12.50		11.50		9.00		20.50		17.00	99.27						
		116	5580	19.81	21.50		15.00		12.50		11.50		9.00		20.50		17.00							
		132	5660	19.93	21.50		15.00		12.50		11.50		9.00		20.50		17.00							
		140	5700	20.33	22.00		15.00		12.50		11.50		9.00		20.50		17.00							
	802.11n-HT20 MCS0	100	5500	18.02	20.00		15.00		12.50		11.50		9.00	Not Required	20.00		17.00	100.00						
		116	5580	18.65	20.50		15.00		12.50		11.50		9.00		20.50		17.00							
		132	5660	18.83	20.50		15.00		12.50		11.50		9.00		20.50		17.00							
		140	5700	19.11	21.00		15.00		12.50		11.50		9.00		20.50		17.00							
	802.11n-HT40 MCS0	102	5510	18.16	20.00	Not Required	15.00	Not Required	12.50	Not Required	11.50	Not Required	9.00	18.16	20.00	Not Required	17.00	100.00						
		110	5550	18.42	20.00				15.00		12.50		11.50	9.00	18.42		20.50		17.00					
		134	5670	19.17	21.00				15.00		12.50		11.50	9.00	18.92		20.50		17.00					
	802.11ac-VHT20 MCS0	100	5500	18.04	20.00		15.00		12.50		11.50		9.00		20.00		17.00	100.00						
		116	5580	18.67	20.50		15.00		12.50		11.50		9.00		20.50		17.00							
		132	5660	18.87	20.50		15.00		12.50		11.50		9.00		20.50		17.00							
		140	5700	19.19	21.00		15.00		12.50		11.50		9.00		20.50		17.00							
	802.11ac-VHT40 MCS0	102	5510	18.19	20.00		15.00		12.50		11.50		9.00		20.00		17.00	100.00						
		110	5550	18.44	20.00		15.00		12.50		11.50		9.00		20.00		17.00							
		134	5670	19.26	21.00		15.00		12.50		11.50		9.00		20.50		17.00							
		106	5530	17.30	19.00	13.38	15.00	10.89	12.50	9.95	11.50	7.40	9.00	Not Required	19.00	15.16	17.00		100.00					
	802.11ac-HE20 MCS0	100	5500	18.11	20.00				15.00				12.50				11.50			9.00		20.00		17.00
		116	5580	18.79	20.50				15.00				12.50				11.50			9.00		20.50		17.00
		132	5660	18.94	20.50				15.00				12.50				11.50			9.00		20.50		17.00
		140	5700	19.22	20.50				15.00				12.50				11.50			9.00		20.50		17.00
	802.11ax-HE40 MCS0	102	5510	18.21	20.00	Not Required	15.00	Not Required	12.50	Not Required	11.50	Not Required	9.00		20.00	Not Required	17.00	100.00						
		110	5550	18.34	20.00				15.00				12.50		11.50				9.00		20.00		17.00	
		134	5670	19.28	21.00				15.00				12.50		11.50				9.00		20.50		17.00	
	802.11ax-HE80 MCS0	106	5530	17.40	19.00		15.00		12.50		11.50		9.00		19.00		17.00	99.35						

Note: The 5GHz WLAN can transmit in MIMO antenna mode only and it has no SISO antenna mode.

5GHz WLAN	Ant 6+7					Ant 6+7		Ant 6+7		Ant 6+7		Ant 6+7		Ant 6+7							
	Default Max Power Table Power Table 1: Simultaneous WLAN+WWAN Power Table 2: Simultaneous WLAN DBS+WWAN Extremity Power Table 3: Standalone WLAN Extremity Power Table 4: Standalone DBS WLAN Extremity Power Table 5: Simultaneous WLAN+WWAN at Head Power Table 9: Standalone WLAN at Head Power Table 10: Standalone DBS WLAN at Head Power Table 11: Simultaneous WLAN+WWAN at Head Power Table 12: Simultaneous WLAN DBS+WWAN					Body-worn Power Table 13: Standalone WLAN Hotspot Power Table (Standalone)		Body-worn Power Table 14: Standalone DBS WLAN Hotspot Power Table (Standalone WLAN DBS)		Body-worn Power Table 15: Simultaneous WLAN+WWAN Hotspot Power Table 7: Simultaneous WLAN+WWAN		Body-worn Power Table 16: Simultaneous WLAN DBS+WWAN Hotspot Power Table 8: Simultaneous WLAN DBS+WWAN		Extremity Power Table 6: Simultaneous WLAN DBS+WWAN							
5.8GHz WLAN	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	Duty Cycle %					
	802.11a 6Mbps	149	5745	20.07	22.00		16.50		15.00		13.50		10.50		19.00	99.27					
		157	5785	20.37	22.00		16.50		15.00		13.50		10.50		19.00						
		165	5825	20.17	22.00		16.50		15.00		13.50		10.50		19.00						
	802.11n-HT20 MCS0	149	5745	18.94	20.50		16.50		15.00		13.50		10.50		19.00	100.00					
		157	5785	19.25	21.00		16.50		15.00		13.50		10.50		19.00						
		165	5825	18.98	20.50		16.50		15.00		13.50		10.50		19.00						
	802.11n-HT40 MCS0	151	5755	18.97	20.50	Not Required	16.50	Not Required	15.00	Not Required	13.50	Not Required	10.50	Not Required	19.00	100.00					
		159	5795	18.92	20.50				16.50				15.00				13.50		10.50		19.00
		149	5745	18.97	20.50				16.50				15.00				13.50		10.50		19.00
	802.11ac-VHT20 MCS0	157	5785	19.33	21.00		16.50		15.00		13.50		10.50		19.00	100.00					
		165	5825	19.05	21.00		16.50		15.00		13.50		10.50		19.00						
		151	5755	19.08	21.00		16.50		15.00		13.50		10.50		19.00						
	802.11ac-VHT40 MCS0	159	5795	19.08	21.00		16.50		15.00		13.50		10.50		19.00	100.00					
		155	5775	18.22	20.00	14.82	16.50	13.16	15.00	12.00	13.50	8.58	10.50	17.20	19.00		100.00				
	802.11ac-HE20 MCS0	149	5745	19.09	21.00		16.50		15.00		13.50		10.50		19.00	100.00					
		157	5785	19.42	21.00		16.50		15.00		13.50		10.50		19.00						
		165	5825	19.15	21.00		16.50		15.00		13.50		10.50		19.00						
	802.11ax-HE40 MCS0	151	5755	19.12	21.00	Not Required	16.50	Not Required	15.00	Not Required	13.50	Not Required	10.50	Not Required	19.00	100.00					
		159	5795	19.10	21.00				16.50				15.00				13.50		10.50		19.00
	802.11ax-HE80 MCS0	155	5775	18.36	20.00		16.50		15.00		13.50		10.50		19.00	99.35					

Note: The 5GHz WLAN can transmit in MIMO antenna mode only and it has no SISO antenna mode.

Ant 6+7						
WIFI 6E	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	1	5955	12.32	14.00	99.27
		57	6235	12.03	14.00	
		113	6515	12.35	14.00	
		173	6815	12.54	14.50	
		233	7115	12.72	14.50	
	802.11ax-HE20 MCS0	1	5955	12.66	14.50	100.00
		57	6235	12.44	14.00	
		113	6515	13.21	15.00	
		173	6815	13.43	15.00	
		233	7115	12.79	14.50	
	802.11ax-HE40 MCS0	3	5965	15.59	17.50	100.00
		59	6245	15.32	17.00	
		107	6485	16.01	18.00	
		171	6805	16.41	18.00	
		227	7085	16.11	18.00	
	802.11ax-HE80 MCS0	7	5985	16.65	18.50	99.03
		71	6305	15.99	17.50	
		119	6545	16.90	18.50	
		167	6785	15.90	17.50	
		215	7025	15.70	17.00	
	802.11ax-HE160 MCS0	15	6025	16.75	18.50	100.00
		47	6185	16.09	18.00	
		111	6505	16.66	18.50	
		175	6825	15.61	17.50	
		207	6985	15.40	17.00	

Note: The 6GHz WLAN can transmit in MIMO antenna mode only and it has no SISO antenna mode.

ANT3

BT BR/EDR

Mode	Channel	Frequency (MHz)	Average power (dBm)			Tune-up Limit
			1Mbps	2Mbps	3Mbps	
BR / EDR	CH 00	2402	14.20	12.68	12.43	16.00
	CH 39	2441	14.73	13.59	13.56	16.50
	CH 78	2480	15.30	13.84	13.84	17.00

BLE_1M/2M

Mode	Channel	Frequency (MHz)	Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402	4.21	4.44
	CH 19	2440	4.56	4.71
	CH 39	2480	4.16	4.15
Tune-up Limit			6.50	

ANT6

BT BR/EDR

Mode	Channel	Frequency (MHz)	Average power (dBm)			Tune-up Limit
			1Mbps	2Mbps	3Mbps	
BR / EDR	CH 00	2402	12.07	10.95	10.94	14.00
	CH 39	2441	14.90	13.70	13.68	16.50
	CH 78	2480	14.05	12.77	12.78	16.00

BLE_1M/2M

Mode	Channel	Frequency (MHz)	Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402	2.78	2.94
	CH 19	2440	4.42	4.45
	CH 39	2480	3.26	3.29
Tune-up Limit			6.00	



Appendix F. Supplemental Tuner Head & Body SAR Results

The results are shown as follows.



Ant 1

For Head

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Auto-Tune	0	16	32	48	64	80	96	112	128	144	160	176	192	208
GSM 850	GPRS (2 Tx slots)	189	836.4	-	-	Right Cheek	0mm	0.236	0.312	0.026	0.067	0.254	0.025	0.085	0.035	0.157	0.142	0.076	0.283	0.137	0.009	0.089	0.034

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Auto-Tune	1	17	33	49	65	81	97	113	129	145	161	177	193	209
GSM 1900	GPRS (2 Tx slots)	661	1880	-	-	Left Cheek	0mm	0.055	0.073	0.058	0.063	0.054	0.053	0.059	0.054	0.070	0.072	0.051	0.069	0.070	0.072	0.068	0.063

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Auto-Tune	2	18	34	50	66	82	98	114	130	146	162	178	194	210
WCDMA II	RMC 12.2Kbps	9538	1907.6	-	-	Left Cheek	0mm	0.15	0.201	0.132	0.155	0.112	0.128	0.125	0.152	0.136	0.145	0.149	0.110	0.129	0.122	0.142	0.128

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Auto-Tune	3	19	35	51	67	83	99	115	131	147	163	179	195	211
WCDMA IV	RMC 12.2Kbps	1312	1712.4	-	-	Left Cheek	0mm	0.138	0.183	0.048	0.041	0.109	0.032	0.080	0.038	0.069	0.060	0.042	0.095	0.014	0.013	0.041	0.068

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Auto-Tune	4	20	36	52	68	84	100	116	132	148	164	180	196	212
WCDMA V	RMC 12.2Kbps	4233	846.6	-	-	Right Cheek	0mm	0.307	0.401	0.070	0.080	0.219	0.035	0.115	0.222	0.206	0.166	0.159	0.262	0.032	0.062	0.116	0.087

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Auto-Tune	5	21	37	53	69	85	101	117	133	149	165	181	197	213
LTE Band 2	QPSK	18900	1880	1	0	Left Cheek	0mm	0.139	0.183	0.167	0.066	0.134	0.135	0.158	0.133	0.165	0.169	0.156	0.147	0.137	0.111	0.168	0.144

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Auto-Tune	6	22	38	54	70	86	102	118	134	150	166	182	198	214
LTE Band 7	QPSK	21100	2535	1	0	Right Cheek	0mm	0.139	0.218	0.175	0.213	0.203	0.114	0.214	0.087	0.201	0.197	0.145	0.202	0.206	0.176	0.117	0.126

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Auto-Tune	7	23	39	55	71	87	103	119	135	151	167	183	199	215
LTE Band 12	QPSK	23095	707.5	1	0	Right Cheek	0mm	0.082	0.107	0.086	0.003	0.045	0.026	0.052	0.015	0.008	0.000	0.000	0.018	0.006	0	0.005	0.01

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Auto-Tune	8	24	40	56	72	88	104	120	136	152	168	184	200
LTE Band 13	QPSK	23230	782	1	0	Right Cheek	0mm	0.147	0.191	0.090	0.091	0.140	0.083	0.070	0.000	0.042	0.000	0.003	0.072	0.077	0.009	0.023

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Auto-Tune	9	25	41	57	73	89	105	121	137	153	169	185	201
LTE Band 26	QPSK	26865	831.5	1	0	Right Cheek	0mm	0.218	0.282	0.077	0.267	0.226	0.045	0.116	0.012	0.132	0.005	0.077	0.123	0.233	0.054	0.069

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Auto-Tune	10	26	42	58	74	90	106	122	138	154	170	186	202
LTE Band 66	QPSK	132322	1745	1	0	Left Cheek	0mm	0.148	0.195	0.074	0.137	0.136	0.034	0.095	0.029	0.086	0.036	0.141	0.059	0.066	0.051	0.031

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Auto-Tune	11	27	43	59	75	91	107	123	139	155	171	187	203
LTE Band 41	QPSK	40620	2593	1	0	Right Cheek	0mm	0.097	0.148	0.102	0.070	0.078	0.072	0.062	0.122	0.102	0.140	0.079	0.075	0.094	0.103	0.097

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Auto-Tune	12	28	44	60	76	92	108	124	140	156	172	188	204
FR1 N5	QPSK	167300	836.5	1	1	Right Cheek	0mm	0.218	0.287	0.058	0.149	0.165	0.031	0.097	0.075	0.132	0.162	0.192	0.027	0.060	0.083	0.054

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Auto-Tune	13	29	45	61	77	93	109	125	141	157	173	189	205
FR1 N7	QPSK	507000	2535	1	1	Right Cheek	0mm	0.09	0.141	0.070	0.076	0.073	0.046	0.083	0.091	0.082	0.069	0.076	0.046	0.056	0.075	0.038

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Auto-Tune	14	30	46	62	78	94	110	126	142	158	174	190	206
FR1 N38	QPSK	519000	2595	1	1	Right Cheek	0mm	0.07	0.165	0.058	0.054	0.050	0.042	0.069	0.065	0.058	0.052	0.053	0.041	0.050	0.057	0.031

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Auto-Tune	15	31	47	63	79	95	111	127	143	159	175	191	207
FR1 N66	QPSK	349000	1745	1	1	Left Cheek	0mm	0.102	0.138	0.045	0.116	0.044	0.123	0.061	0.070	0.069	0.035	0.108	0.028	0.054	0.045	0.039



For Body

Ant 1		For Body																					
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Auto-Tune	0	16	32	48	64	80	96	112	128	144	160	176	192	208
GSM850	GPRS (2 Tx slots)	189	836.4	-	-	Back	5mm	0.913	1.320	0.086	0.372	1.083	0.096	0.299	0.168	0.895	0.770	0.420	1.090	0.410	0.068	0.524	0.226
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Auto-Tune	1	17	33	49	65	81	97	113	129	145	161	177	193	209
GSM1900	GPRS (4 Tx slots)	512	1850.2	-	-	Back	5mm	1.000	1.580	1.035	1.000	0.852	0.762	0.787	0.972	1.056	1.047	0.757	0.932	0.783	0.928	1.057	0.886
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Auto-Tune	2	18	34	50	66	82	98	114	130	146	162	178	194	210
WCDMA II	RMC 12.2Kbps	9400	1880	-	-	Back	5mm	0.935	1.420	0.921	0.977	0.981	0.728	1.042	0.854	1.095	1.088	0.932	1.045	0.640	0.583	1.014	1.004
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Auto-Tune	3	19	35	51	67	83	99	115	131	147	163	179	195	211
WCDMA IV	RMC 12.2Kbps	1513	1752.6	-	-	Back	5mm	1.140	1.690	0.740	0.645	1.270	0.474	0.958	0.509	0.808	0.749	0.578	1.057	0.302	0.273	0.588	0.758
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Auto-Tune	4	20	36	52	68	84	100	116	132	148	164	180	196	212
WCDMA V	RMC 12.2Kbps	4182	836.4	-	-	Back	5mm	1.010	1.600	0.229	0.249	0.624	0.118	0.355	0.526	0.549	0.443	0.451	0.706	0.063	0.228	0.357	0.286
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Auto-Tune	5	21	37	53	69	85	101	117	133	149	165	181	197	213
LTE Band 2	QPSK	18700	1860	1	0	Back	5mm	1.050	1.650	0.996	0.651	1.052	0.683	1.165	0.622	1.130	1.115	0.807	1.189	1.138	0.498	0.982	0.713
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Auto-Tune	6	22	38	54	70	86	102	118	134	150	166	182	198	214
LTE Band 7	QPSK	21350	2560	1	0	Back	5mm	0.919	1.450	0.951	0.934	0.911	0.702	1.047	0.587	1.072	1.048	0.867	0.933	1.061	1.046	0.996	0.802
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Auto-Tune	7	23	39	55	71	87	103	119	135	151	167	183	199	215
LTE Band 12	QPSK	23095	707.5	1	0	Back	5mm	0.394	0.647	0.614	0.052	0.425	0.328	0.465	0.146	0.085	0.001	0.002	0.182	0.094	0.001	0.066	0.103
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Auto-Tune	8	24	40	56	72	88	104	120	136	152	168	184	200	
LTE Band 13	QPSK	23230	782	1	0	Back	5mm	0.614	1.027	0.546	0.728	0.934	0.458	0.520	0.013	0.363	0.000	0.065	0.604	0.635	0.117	0.226	
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Auto-Tune	9	25	41	57	73	89	105	121	137	153	169	185	201	
LTE Band 26	QPSK	26865	831.5	1	0	Back	5mm	0.966	1.500	0.571	1.204	1.181	0.338	0.841	0.161	0.994	0.072	0.612	0.960	1.129	0.587	0.693	
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Auto-Tune	10	26	42	58	74	90	106	122	138	154	170	186	202	
LTE Band 66	QPSK	132322	1745	1	0	Back	5mm	0.863	1.330	0.491	1.036	0.988	0.330	0.700	0.720	0.640	0.371	1.023	0.825	0.620	0.518	0.471	
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Auto-Tune	11	27	43	59	75	91	107	123	139	155	171	187	203	
LTE Band 41	QPSK	41055	2636.5	1	0	Back	5mm	1.080	2.050	1.025	0.805	0.812	0.810	0.971	1.178	1.031	1.295	0.832	0.829	0.972	1.052	0.999	
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Auto-Tune	12	28	44	60	76	92	108	124	140	156	172	188	204	
FR1 N5	QPSK	167300	836.5	1	1	Back	5mm	0.870	1.640	0.515	1.023	1.169	0.301	0.876	0.677	1.085	1.162	1.064	0.187	0.604	0.728	0.564	
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Auto-Tune	13	29	45	61	77	93	109	125	141	157	173	189	205	
FR1 N7	QPSK	507000	2535	1	1	Back	5mm	0.824	1.590	0.852	0.815	0.798	0.617	0.931	1.040	0.926	0.832	0.854	0.631	0.764	0.893	0.539	
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Auto-Tune	14	30	46	62	78	94	110	126	142	158	174	190	206	
FR1 N38	QPSK	519000	2595	1	1	Back	5mm	0.974	1.610	0.758	0.732	0.660	0.565	0.801	0.881	0.828	0.739	0.749	0.567	0.640	0.799	0.445	
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Auto-Tune	15	31	47	63	79	95	111	127	143	159	175	191	207	
FR1 N66	QPSK	346000	1730	1	1	Back	5mm	1.080	1.680	0.338	0.822	0.586	1.023	0.646	0.514	0.452	0.293	0.704	0.324	0.591	0.356	0.498	



Ant 1

For Body

Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Tx Position	Spacing	Measured 1g SAR (W/kg)	Auto-Tune	Average Value of Time Sweep (W/kg)																											
GSM05	GPRS (2 Tx slots)	105	836.4			Back	Smm	0.913	1.300	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20							
										0.086	0.017	0.036	0.144	0.159	0.207	0.245	0.285	0.328	0.353	0.437	0.480	0.590	0.729	0.782	0.812	0.933	0.977	1.060	1.030								
										21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41							
										0.040	0.068	0.099	0.133	0.164	0.203	0.238	0.273	0.296	0.331	0.358	1.083	0.416	0.466	0.492	0.503	0.542	0.551	0.573	0.582	0.604							
										42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62							
										0.051	0.086	0.621	0.754	0.003	0.006	0.096	0.016	0.024	0.032	0.042	0.053	0.063	0.077	0.091	0.107	0.125	0.143	0.163	0.492	0.535							
										63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83							
										0.018	0.299	0.028	0.469	0.118	0.171	0.071	0.102	0.170	0.074	0.014	0.048	0.010	0.010	0.010	0.028	0.054	0.031	0.697	0.154								
										84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104							
										0.214	0.979	1.017	1.030	0.071	0.117	0.168	0.221	0.273	0.330	0.382	0.429	0.489	0.509	0.552	0.591	0.626	0.652	0.684	0.717	0.740							
										105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124								
										0.777	0.792	0.816	0.831	0.854	0.855	0.868	0.770	0.889	0.889	0.904	0.907	0.924	1.075	0.004	0.010	0.028	0.054	0.031	0.697	1.154							
										126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146							
										1.108	1.202	0.420	0.010	0.102	0.102	0.102	0.102	0.102	0.102	0.102	0.102	0.102	0.102	0.102	0.102	0.102	0.102	0.102	0.102	0.102							
										0.487	0.524	0.550	0.571	0.649	0.661	0.934	0.003	0.007	0.013	0.021	0.030	0.040	0.410	0.494	0.522	0.519	0.033	0.045	0.213	0.271							
										147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167							
										0.338	0.387	0.581	1.041	1.100	0.017	0.035	0.059	0.068	0.128	0.127	0.094	1.006	1.021	0.096	0.154	0.588	0.634	0.090	0.724	0.766							
										189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209							
										0.405	0.616	0.871	0.524	0.897	0.975	0.981	1.005	1.015	1.028	1.028	1.045	1.055	1.063	1.075	1.119	0.013	0.036	0.212	0.041								
										210	211	212	213	214	215																						
0.076	0.133	1.238	1.262	1.278	1.285																																
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Tx Position	Spacing	Measured 1g SAR (W/kg)	Auto-Tune	Average Value of Time Sweep (W/kg)																											
GSM1920	GPRS (4 Tx slots)	312	1892.2			Back	Smm	1.000	1.580	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20							
										0.783	1.035	0.812	0.751	0.747	0.743	0.714	0.700	0.763	0.755	0.756	0.745	0.757	0.754	0.742	0.741	0.745	1.000	0.732	0.739	0.734							
										21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41							
										0.565	0.759	0.805	0.841	0.853	0.873	0.861	0.874	0.881	0.882	0.873	0.883	0.852	0.890	0.886	0.887	0.885	0.883	0.879	0.868	0.860							
										42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62							
										0.856	0.855	0.852	0.850	0.646	0.644	0.649	0.762	0.573	0.555	0.650	0.600	0.595	0.583	0.588	0.567	0.558	0.555	0.540	0.537								
										63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83							
										0.854	0.848	0.787	0.679	0.861	0.957	0.941	0.935	0.937	0.931	0.933	0.937	0.928	0.923	0.918	0.924	0.766	0.697	0.972	0.625	0.602							
										84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104							
										0.571	0.472	0.466	0.479	0.517	0.478	0.785	0.842	0.870	0.877	0.894	0.886	0.884	1.056	0.895	0.892	0.892	0.884	0.892	0.885	0.886							
										105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125							
										0.495	0.891	0.888	0.881	0.880	0.891	0.879	0.878	1.047	0.877	0.865	0.812	0.831	0.823	0.841	0.775	0.577	0.477	0.144	0.043	0.521							
										126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146							
										0.532	0.533	0.515	0.757	0.555	0.542	0.535	0.470	0.469	0.555	0.662	0.718	0.736	0.749	0.766	0.765	0.768	0.762	0.764	0.912	0.763							
										147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167							
										0.765	0.766	0.755	0.758	0.759	0.757	0.741	0.631	0.588	0.528	0.677	0.633	0.601	0.577	0.783	0.474	0.464	0.777	0.775	0.757	0.747							
										168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188							
										0.713	0.725	0.710	0.685	0.664	0.567	0.732	0.671	0.604	0.524	0.383	0.360	0.371	0.768	0.493	0.774	0.773	0.774	0.774	0.777	0.777							
										189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209							
										0.619	0.606	0.601	0.612	1.057	0.605	0.603	0.602	0.594	0.601	0.594	0.598	0.597	0.598	0.594	0.581	0.623	0.504	0.414	0.203	0.886							
										210	211	212	213	214	215																						
										0.484	0.502	0.423	0.422	0.422	0.419																						
										Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Tx Position	Spacing	Measured 1g SAR (W/kg)	Auto-Tune	Average Value of Time Sweep (W/kg)																	
WCDMA S	FMC (12 Channels)	9450	1890			Back	Smm	0.920	1.420	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20							
										0.710	0.866	0.921	1.060	1.117	1.026	1.015	0.997	0.959	0.887	0.533	1.188	1.150	1.155	1.162	1.139	0.987	1.148	0.977	1.046	1.234							
										21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41							
										0.565	0.551	0.974	0.922	0.994	1.124	1.178	0.962	0.899	0.892	0.873	1.088	1.074	1.056	1.102	1.099	0.929	1.023	1.030	0.843	0.923							
										42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62							
										0.917	0.869	1.154	1.244	1.244	0.579	0.662	0.676	0.713	0.728	0.793	0.871	0.870	0.904	0.895	0.741	0.849	0.964	0.738	0.713	0.682	0.722						
										63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83							
										0.822	0.878	0.966	1.042	0.974	0.992	1.018	1.196	1.025	1.065	1.105	1.053	1.006	1.044	1.113	1.098	0.942	1.057	1.054	0.854	0.896							
										84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104							
										0.906	0.779	0.795	0.789	1.011	1.183	1.288	1.231	1.268	1.262	1.263	1.268	1.203	1.189	1.095	1.055	1.259	1.219	1.179	1.129	1.220							
										105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125							
										1.262	1.213	1.224	1.243	1.212	1.198	1.272	1.243	1.289	1.284	1.289	1.284	1.289	1.289	1.289	1.289	1.289	1.289	1.289	1.289	1.289							
										126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146							
										1.031	1.001	0.998	0.991	0.932	0.854	0.860	0.884	0.873	0.823	0.722	1.020	1.099	1.114	1.047	1.077	1.090											



Mode	Serial Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1σ SAR (W/kg)	Auto-Tune	Average Value of Time Sweep (W/kg)																					
										0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
LTE Band 7	QPSK	71200	2380	1	0	Back	5mm	0.910	1.400	0.267	0.325	0.384	0.572	0.574	0.576	0.591	0.569	0.567	0.573	0.584	0.579	0.644	0.699	0.698	0.695	0.699	0.700	0.704	0.705	0.762	
										21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	
										0.518	0.934	0.588	0.596	0.599	0.601	0.603	0.604	0.603	0.602	0.604	0.605	0.606	0.607	0.605	0.606	0.604	0.911	0.607	0.608	0.606	
										42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	
										0.606	0.606	0.608	0.611	0.596	0.583	0.574	0.586	0.583	0.581	0.587	0.583	0.587	0.589	0.587	0.585	0.586	0.587	0.586	0.587	0.586	
										63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	
										0.653	0.684	0.691	0.699	0.701	0.703	0.704	1.047	0.707	0.708	0.707	0.711	0.706	0.709	0.715	0.722	0.603	0.576	0.538	0.539	0.533	
										84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	
										0.526	0.491	0.587	0.486	0.831	0.852	0.836	0.816	0.808	0.797	0.786	0.776	0.778	0.771	0.765	0.760	0.757	0.752	1.072	0.748	0.759	
										105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	
										0.760	0.758	0.755	0.757	0.753	0.758	0.757	0.753	0.751	0.747	0.749	0.748	0.742	1.048	0.607	0.517	0.431	0.398	0.821	0.713	0.692	
										126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	
										0.691	0.690	0.689	0.719	0.663	0.658	0.661	0.646	0.667	0.672	0.661	0.663	0.618	0.622	0.624	0.627	0.626	0.628	0.627	0.633		
										147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	
										0.632	0.640	0.638	0.933	0.941	0.839	0.841	0.801	0.777	0.862	0.859	0.837	0.829	0.836	0.811	0.809	0.804	0.702	0.651	0.757		
										168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	
										0.717	0.721	0.716	0.715	0.717	0.658	0.587	0.537	0.502	0.488	0.414	0.412	0.411	0.412	1.046	0.803	0.765	0.757	0.751	0.746	0.741	
										189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	
										0.738	0.735	0.728	0.742	0.743	0.737	0.738	0.736	0.737	0.996	0.734	0.731	0.729	0.724	0.726	0.721	0.469	0.414	0.379	0.292	0.732	
										210	211	212	213	214	215																
										0.729	0.712	0.626	0.626	0.626	0.622	0.622															

Mode	Serial Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1σ SAR (W/kg)	Auto-Tune	Average Value of Time Sweep (W/kg)																					
										0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
LTE Band 26	QPSK	28800	831.5	1	0	Back	5mm	0.960	1.100	0.051	0.218	0.313	0.458	0.463	0.466	0.473	0.473	0.476	0.473	0.471	0.470	0.469	0.468	0.467	0.466	0.464	0.468	0.468	0.465		
										21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	
										0.462	0.665	0.813	0.931	1.204	1.061	1.003	1.118	1.142	1.145	1.143	1.177	1.175	1.177	1.179	1.180	1.183	1.186	1.187	1.181		
										42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	
										1.184	1.183	1.180	1.142	0.075	0.122	0.163	0.195	0.219	0.236	0.248	0.257	0.262	0.266	0.267	0.338	0.271	0.272	0.273	0.266	0.265	
										63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	
										0.363	0.397	0.501	0.671	0.695	0.709	0.717	0.727	0.738	0.727	0.841	0.722	0.718	0.715	0.681	0.071	0.094	0.178	0.309	0.495	0.722	
										84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	
										0.596	0.453	0.403	0.824	0.276	0.583	0.209	0.152	0.353	0.461	0.498	0.495	0.517	0.529	0.536	0.511	0.496	0.446	0.348	0.591	0.370	
										0.548	0.535	0.525	0.900	0.967	0.977	0.947	0.943	0.436	0.220	0.419	0.612	0.894	1.084	1.128	1.212	1.162	1.172	1.119	1.158		
										147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	
										1.138	1.125	1.094	1.098	1.096	1.118	1.160	0.026	0.138	0.200	0.391	0.527	0.622	0.735	0.738	0.747	0.745	0.741	0.745	0.745		
										168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	
										1.111	1.129	1.038	0.696	0.455	0.004	0.014	0.012	0.061	0.108	0.392	0.178	0.365	0.354	0.034	0.046	0.439	0.587	0.513	0.538	0.557	
										189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	
										0.569	0.577	0.583	0.584	0.587	0.583	0.582	0.583	0.580	0.576	0.570	0.693	0.599	0.556	0.419	0.004	0.011	0.024	0.290	0.013		
										210	211	212	213	214	215																
										0.653	0.663	0.467	0.450	0.440	0.429																

Mode	Serial Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1σ SAR (W/kg)	Auto-Tune	Average Value of Time Sweep (W/kg)																										
										0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20						
LTE Band 66	QPSK	120200	1740	1	0	Back	5mm	0.860	1.300	0.614	0.482	0.386	0.243	0.241	0.232	0.225	0.220	0.215	0.212	0.481	0.205	0.210	0.206	0.200	0.198	0.196	0.194	0.193	0.191	0.188						
										21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41						
										0.504	0.656	0.624	0.607	0.588	0.586	0.583	0.582	0.581	0.579	0.578	0.576	0.575	0.574	0.573	0.572	0.571	0.570	0.569	0.568	0.567	0.566	0.565	0.564	0.563	0.562	0.561
										42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62						
										0.988	0.453	0.451	0.433	0.500	0.375	0.287	0.239	0.212	0.219	0.177	0.167	0.164	0.158	0.152	0.147	0.330	0.145	0.142	0.128	0.126						
										63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83						
										0.895	0.995	0.995	0.993	0.973	0.959	0.935	0.905	0.854	0.804	0.750	0.700	0.650	0.600	0.550	0.500	0.450	0.400	0.350	0.300	0.250	0.200	0.150	0.100	0.050	0.000	
										84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104						
										0.178	0.119	0.117	0.115	0.249	0.111	0.720	0.130	0.327	0.317	0.309	0.300	0.297	0.292	0.287	0.284	0.279	0.275	0.272	0.270	0.271						
										105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125						
										0.269	0.640	0.263	0.262	0.261	0.261	0.260	0.257	0.258	0.256	0.257	0.255	0.254	0.240	0.245	0.567	0.283	0.371	0.179	0.199	0.167						
										126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146						
										0.346	0.163	0.163	0.162	0.218	0.112	0.209	0.112	0.441	0.412	0.412	0.411	0.410	0.409	0.408	0.407	0.406	0.405	0.404	0.403	0.402						
										147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167						
										0.389	0.383	0.378	0.376	0.372	0.371	0.339	0.825	0.491	0.342	0.259	0.217	0.187	0.173	0.165	0.104	0.103	0.057	0.528	0.330	0.309						
										168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188						
										0.292	0.287	0.620	0.210	0.210	0.275	0.422	0.351	0.270	0.220	0.094	0.093	0.092	0.091	0.158	0.211	0.224	0.220	0.518	0.214	0.211						
										189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209						
										0.209	0.206	0.204	0.204	0.207	0.204	0.201	0.200	0.199	0.197	0.198	0.199	200	201	202	203	204	205	206	207	208	209					
										210	211	212	213	214	215																					
										0.320	0.300	0.133	0.132	0.132	0.130																					

Mode	Serial Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1σ SAR (W/kg)	Auto-Tune	Average Value of Time Sweep (W/kg)																				
										0	1	2	3	4	5															