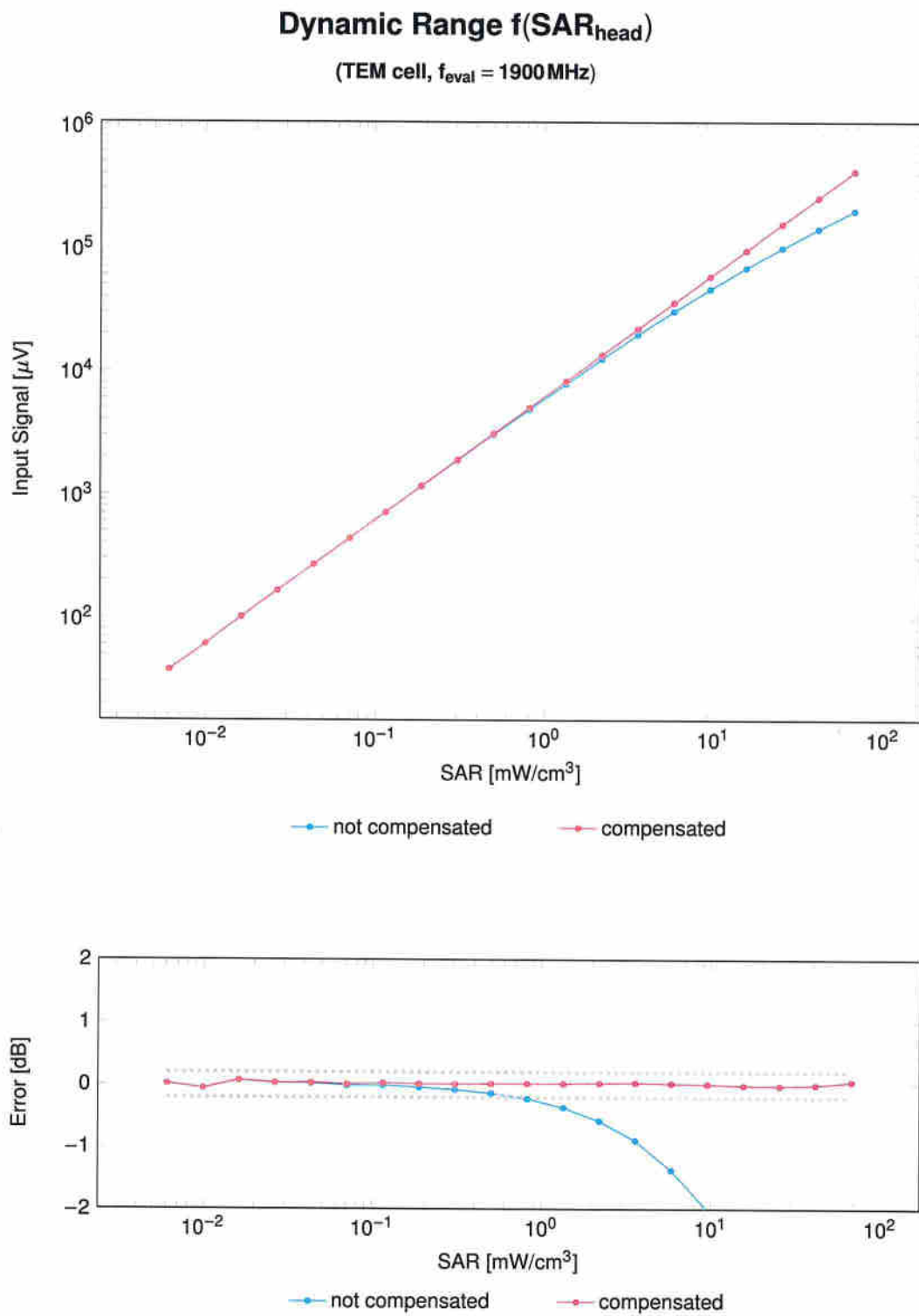
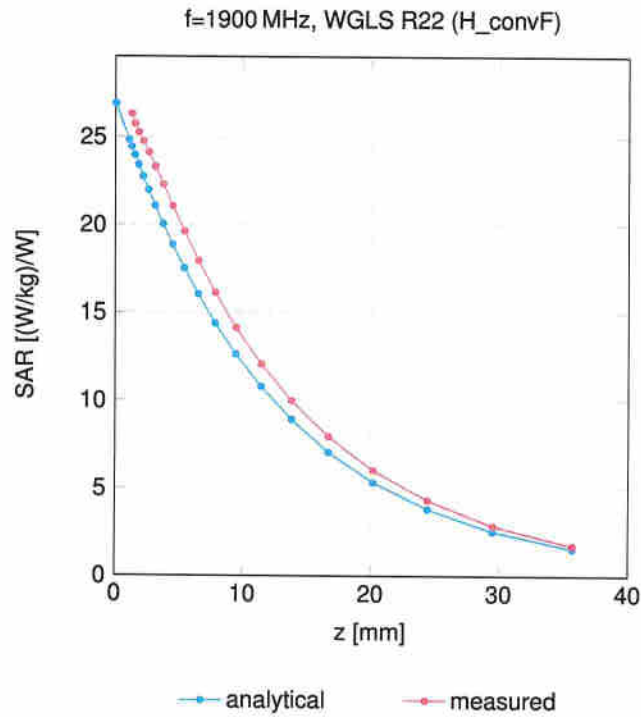




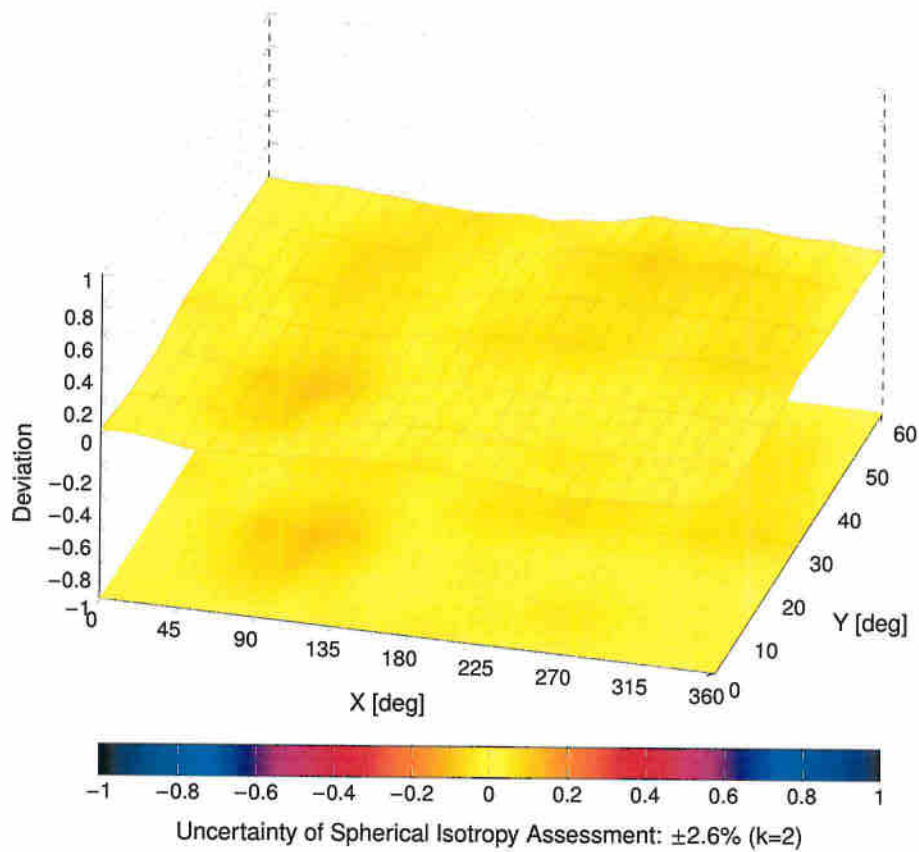
Uncertainty of Linearity Assessment: $\pm 0.6\%$ ($k=2$)

Conversion Factor Assessment



Deviation from Isotropy in Liquid

Error (ϕ, θ), $f = 900\text{ MHz}$



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Appendix: Modulation Calibration Parameters

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E $k = 2$
0		CW	CW	0.00	±4.7
10010	CAB	SAR Validation (Square, 100 ms, 10 ms)	Test	10.00	±9.6
10011	CAC	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	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	±9.6
10063	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	±9.6
10064	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	±9.6
10065	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	±9.6
10066	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	±9.6
10067	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	±9.6
10068	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	±9.6
10069	CAE	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	CAC	UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	±9.6
10099	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	±9.6
10100	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	5.67	±9.6
10101	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	±9.6
10102	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	±9.6
10103	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TDD	9.29	±9.6
10104	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDD	9.97	±9.6
10105	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TDD	10.01	±9.6
10108	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-FDD	5.80	±9.6
10109	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	±9.6
10110	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-FDD	5.75	±9.6
10111	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-FDD	6.44	±9.6

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UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E $k = 2$
10112	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-FDD	6.59	±9.6
10113	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-FDD	6.62	±9.6
10114	CAE	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	±9.6
10115	CAE	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.46	±9.6
10116	CAE	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.15	±9.6
10117	CAE	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN	8.07	±9.6
10118	CAE	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	WLAN	8.59	±9.6
10119	CAE	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	WLAN	8.13	±9.6
10140	CAF	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-FDD	6.49	±9.6
10141	CAF	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-FDD	6.53	±9.6
10142	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FDD	5.73	±9.6
10143	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	6.35	±9.6
10144	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	6.65	±9.6
10145	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-FDD	5.76	±9.6
10146	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.41	±9.6
10147	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.72	±9.6
10149	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	±9.6
10150	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	±9.6
10151	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-TDD	9.28	±9.6
10152	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-TDD	9.92	±9.6
10153	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-TDD	10.05	±9.6
10154	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-FDD	5.75	±9.6
10155	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	±9.6
10156	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-FDD	5.79	±9.6
10157	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FDD	6.49	±9.6
10158	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-FDD	6.62	±9.6
10159	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-FDD	6.56	±9.6
10160	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD	5.82	±9.6
10161	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	6.43	±9.6
10162	CAF	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	CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	5.73	±9.6
10170	CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10171	AAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-FDD	6.49	±9.6
10172	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-TDD	9.21	±9.6
10173	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10174	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10175	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FDD	5.72	±9.6
10176	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10177	CAJ	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-FDD	5.73	±9.6
10178	CAH	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10179	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10180	CAH	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10181	CAF	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-FDD	5.72	±9.6
10182	CAF	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10183	AAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10184	CAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FDD	5.73	±9.6
10185	CAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-FDD	6.51	±9.6
10186	AAF	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	AAG	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	CAE	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	CAE	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.13	±9.6
10198	CAE	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8.27	±9.6
10219	CAE	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.03	±9.6
10220	CAE	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8.13	±9.6
10221	CAE	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN	8.27	±9.6
10222	CAE	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN	8.06	±9.6
10223	CAE	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN	8.48	±9.6
10224	CAE	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	WLAN	8.08	±9.6

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UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E $k = 2$
10225	CAC	UMTS-FDD (HSPA+)	WCDMA	5.97	±9.6
10226	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.49	±9.6
10227	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.26	±9.6
10228	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD	9.22	±9.6
10229	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10230	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10231	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TDD	9.19	±9.6
10232	CAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10233	CAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10234	CAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-TDD	9.21	±9.6
10235	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10236	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10237	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-TDD	9.21	±9.6
10238	CAG	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10239	CAG	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10240	CAG	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-TDD	9.21	±9.6
10241	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.82	±9.6
10242	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.86	±9.6
10243	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-TDD	9.46	±9.6
10244	CAE	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TDD	10.06	±9.6
10245	CAE	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TDD	10.06	±9.6
10246	CAE	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TDD	9.30	±9.6
10247	CAH	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-TDD	9.91	±9.6
10248	CAH	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-TDD	10.09	±9.6
10249	CAH	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TDD	9.29	±9.6
10250	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-TDD	9.81	±9.6
10251	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-TDD	10.17	±9.6
10252	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TDD	9.24	±9.6
10253	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-TDD	9.90	±9.6
10254	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-TDD	10.14	±9.6
10255	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-TDD	9.20	±9.6
10256	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.96	±9.6
10257	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.08	±9.6
10258	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TDD	9.34	±9.6
10259	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-TDD	9.98	±9.6
10260	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.97	±9.6
10261	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TDD	9.24	±9.6
10262	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-TDD	9.83	±9.6
10263	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-TDD	10.16	±9.6
10264	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TDD	9.23	±9.6
10265	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	9.92	±9.6
10266	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TDD	10.07	±9.6
10267	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TDD	9.30	±9.6
10268	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-TDD	10.06	±9.6
10269	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-TDD	10.13	±9.6
10270	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-TDD	9.58	±9.6
10274	CAC	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	WCDMA	4.87	±9.6
10275	CAC	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	WCDMA	3.96	±9.6
10277	CAA	PHS (QPSK)	PHS	11.81	±9.6
10278	CAA	PHS (QPSK, BW 884 MHz, Rolloff 0.5)	PHS	11.81	±9.6
10279	CAA	PHS (QPSK, BW 884 MHz, Rolloff 0.38)	PHS	12.18	±9.6
10290	AAB	CDMA2000, RC1, SO55, Full Rate	CDMA2000	3.91	±9.6
10291	AAB	CDMA2000, RC3, SO55, Full Rate	CDMA2000	3.46	±9.6
10292	AAB	CDMA2000, RC3, SO32, Full Rate	CDMA2000	3.39	±9.6
10293	AAB	CDMA2000, RC3, SO3, Full Rate	CDMA2000	3.50	±9.6
10295	AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	CDMA2000	12.49	±9.6
10297	AAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	5.81	±9.6
10298	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-FDD	5.72	±9.6
10299	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-FDD	6.39	±9.6
10300	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD	6.60	±9.6
10301	AAA	IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC)	WiMAX	12.03	±9.6
10302	AAA	IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC, 3 CTRL symbols)	WiMAX	12.57	±9.6
10303	AAA	IEEE 802.16e WiMAX (31:15, 5 ms, 10 MHz, 64QAM, PUSC)	WiMAX	12.52	±9.6
10304	AAA	IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, 64QAM, PUSC)	WiMAX	11.86	±9.6
10305	AAA	IEEE 802.16e WiMAX (31:15, 10 ms, 10 MHz, 64QAM, PUSC, 15 symbols)	WiMAX	15.24	±9.6
10306	AAA	IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, 64QAM, PUSC, 18 symbols)	WiMAX	14.67	±9.6

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10307	AAA	IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, QPSK, PUSC, 18 symbols)	WiMAX	14.49	±9.6
10308	AAA	IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, 16QAM, PUSC)	WiMAX	14.46	±9.6
10309	AAA	IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, 16QAM, AMC 2x3, 18 symbols)	WiMAX	14.58	±9.6
10310	AAA	IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, QPSK, AMC 2x3, 18 symbols)	WiMAX	14.57	±9.6
10311	AAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-FDD	6.06	±9.6
10313	AAA	iDEN 1:3	iDEN	10.51	±9.6
10314	AAA	iDEN 1:6	iDEN	13.48	±9.6
10315	AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	WLAN	1.71	±9.6
10316	AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	±9.6
10317	AAE	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	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	AAF	IEEE 802.11ac WiFi (20 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.37	±9.6
10401	AAF	IEEE 802.11ac WiFi (40 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.60	±9.6
10402	AAF	IEEE 802.11ac WiFi (80 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.53	±9.6
10403	AAB	CDMA2000 (1xEV-DO, Rev. 0)	CDMA2000	3.76	±9.6
10404	AAB	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.77	±9.6
10406	AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	CDMA2000	5.22	±9.6
10410	AAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Conf=4)	LTE-TDD	7.82	±9.6
10414	AAA	WLAN CCDF, 64-QAM, 40 MHz	Generic	8.54	±9.6
10415	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	WLAN	1.54	±9.6
10416	AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
10417	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
10418	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preamble)	WLAN	8.14	±9.6
10419	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preamble)	WLAN	8.19	±9.6
10422	AAD	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.32	±9.6
10423	AAD	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN	8.47	±9.6
10424	AAD	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.40	±9.6
10425	AAD	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	8.41	±9.6
10426	AAD	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN	8.45	±9.6
10427	AAD	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN	8.41	±9.6
10430	AAE	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	LTE-FDD	8.28	±9.6
10431	AAE	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDD	8.38	±9.6
10432	AAD	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	LTE-FDD	8.34	±9.6
10433	AAD	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	LTE-FDD	8.34	±9.6
10434	AAB	W-CDMA (BS Test Model 1, 64 DPCH)	WCDMA	8.60	±9.6
10435	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
10447	AAE	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	±9.6
10448	AAE	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.53	±9.6
10449	AAD	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.51	±9.6
10450	AAD	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.48	±9.6
10451	AAB	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WCDMA	7.59	±9.6
10453	AAE	Validation (Square, 10 ms, 1 ms)	Test	10.00	±9.6
10456	AAD	IEEE 802.11ac WiFi (160 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.63	±9.6
10457	AAB	UMTS-FDD (DC-HSDPA)	WCDMA	6.62	±9.6
10458	AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	6.55	±9.6
10459	AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	CDMA2000	8.25	±9.6
10460	AAB	UMTS-FDD (WCDMA, AMR)	WCDMA	2.39	±9.6
10461	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
10462	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.30	±9.6
10463	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.56	±9.6
10464	AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
10465	AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6
10466	AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±9.6
10467	AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
10468	AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6
10469	AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.56	±9.6
10470	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
10471	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6

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10472	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±9.6
10473	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
10474	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6
10475	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±9.6
10477	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6
10478	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±9.6
10479	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10480	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.18	±9.6
10481	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.45	±9.6
10482	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.71	±9.6
10483	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.39	±9.6
10484	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.47	±9.6
10485	AAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.59	±9.6
10486	AAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.38	±9.6
10487	AAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.60	±9.6
10488	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.70	±9.6
10489	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	±9.6
10490	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±9.6
10491	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10492	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.41	±9.6
10493	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	±9.6
10494	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10495	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.37	±9.6
10496	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±9.6
10497	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	±9.6
10498	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.40	±9.6
10499	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.68	±9.6
10500	AAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	±9.6
10501	AAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.44	±9.6
10502	AAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.52	±9.6
10503	AAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.72	±9.6
10504	AAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	±9.6
10505	AAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±9.6
10506	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10507	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.36	±9.6
10508	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	±9.6
10509	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.99	±9.6
10510	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.49	±9.6
10511	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.51	±9.6
10512	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10513	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.42	±9.6
10514	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.45	±9.6
10515	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	WLAN	1.58	±9.6
10516	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	WLAN	1.57	±9.6
10517	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	WLAN	1.58	±9.6
10518	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
10519	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.39	±9.6
10520	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	WLAN	8.12	±9.6
10521	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	WLAN	7.97	±9.6
10522	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	WLAN	8.45	±9.6
10523	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.08	±9.6
10524	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.27	±9.6
10525	AAD	IEEE 802.11ac WiFi (20 MHz, MCS0, 99pc duty cycle)	WLAN	8.36	±9.6
10526	AAD	IEEE 802.11ac WiFi (20 MHz, MCS1, 99pc duty cycle)	WLAN	8.42	±9.6
10527	AAD	IEEE 802.11ac WiFi (20 MHz, MCS2, 99pc duty cycle)	WLAN	8.21	±9.6
10528	AAD	IEEE 802.11ac WiFi (20 MHz, MCS3, 99pc duty cycle)	WLAN	8.36	±9.6
10529	AAD	IEEE 802.11ac WiFi (20 MHz, MCS4, 99pc duty cycle)	WLAN	8.36	±9.6
10531	AAD	IEEE 802.11ac WiFi (20 MHz, MCS6, 99pc duty cycle)	WLAN	8.43	±9.6
10532	AAD	IEEE 802.11ac WiFi (20 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
10533	AAD	IEEE 802.11ac WiFi (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.38	±9.6
10534	AAD	IEEE 802.11ac WiFi (40 MHz, MCS0, 99pc duty cycle)	WLAN	8.45	±9.6
10535	AAD	IEEE 802.11ac WiFi (40 MHz, MCS1, 99pc duty cycle)	WLAN	8.45	±9.6
10536	AAD	IEEE 802.11ac WiFi (40 MHz, MCS2, 99pc duty cycle)	WLAN	8.32	±9.6
10537	AAD	IEEE 802.11ac WiFi (40 MHz, MCS3, 99pc duty cycle)	WLAN	8.44	±9.6
10538	AAD	IEEE 802.11ac WiFi (40 MHz, MCS4, 99pc duty cycle)	WLAN	8.54	±9.6
10540	AAD	IEEE 802.11ac WiFi (40 MHz, MCS6, 99pc duty cycle)	WLAN	8.39	±9.6

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10541	AAD	IEEE 802.11ac WiFi (40 MHz, MCS7, 99pc duty cycle)	WLAN	8.46	±9.6
10542	AAD	IEEE 802.11ac WiFi (40 MHz, MCS8, 99pc duty cycle)	WLAN	8.65	±9.6
10543	AAD	IEEE 802.11ac WiFi (40 MHz, MCS9, 99pc duty cycle)	WLAN	8.65	±9.6
10544	AAD	IEEE 802.11ac WiFi (80 MHz, MCS0, 99pc duty cycle)	WLAN	8.47	±9.6
10545	AAD	IEEE 802.11ac WiFi (80 MHz, MCS1, 99pc duty cycle)	WLAN	8.55	±9.6
10546	AAD	IEEE 802.11ac WiFi (80 MHz, MCS2, 99pc duty cycle)	WLAN	8.35	±9.6
10547	AAD	IEEE 802.11ac WiFi (80 MHz, MCS3, 99pc duty cycle)	WLAN	8.49	±9.6
10548	AAD	IEEE 802.11ac WiFi (80 MHz, MCS4, 99pc duty cycle)	WLAN	8.37	±9.6
10550	AAD	IEEE 802.11ac WiFi (80 MHz, MCS6, 99pc duty cycle)	WLAN	8.38	±9.6
10551	AAD	IEEE 802.11ac WiFi (80 MHz, MCS7, 99pc duty cycle)	WLAN	8.50	±9.6
10552	AAD	IEEE 802.11ac WiFi (80 MHz, MCS8, 99pc duty cycle)	WLAN	8.42	±9.6
10553	AAD	IEEE 802.11ac WiFi (80 MHz, MCS9, 99pc duty cycle)	WLAN	8.45	±9.6
10554	AAE	IEEE 802.11ac WiFi (160 MHz, MCS0, 99pc duty cycle)	WLAN	8.48	±9.6
10555	AAE	IEEE 802.11ac WiFi (160 MHz, MCS1, 99pc duty cycle)	WLAN	8.47	±9.6
10556	AAE	IEEE 802.11ac WiFi (160 MHz, MCS2, 99pc duty cycle)	WLAN	8.50	±9.6
10557	AAE	IEEE 802.11ac WiFi (160 MHz, MCS3, 99pc duty cycle)	WLAN	8.52	±9.6
10558	AAE	IEEE 802.11ac WiFi (160 MHz, MCS4, 99pc duty cycle)	WLAN	8.61	±9.6
10560	AAE	IEEE 802.11ac WiFi (160 MHz, MCS6, 99pc duty cycle)	WLAN	8.73	±9.6
10561	AAE	IEEE 802.11ac WiFi (160 MHz, MCS7, 99pc duty cycle)	WLAN	8.56	±9.6
10562	AAE	IEEE 802.11ac WiFi (160 MHz, MCS8, 99pc duty cycle)	WLAN	8.69	±9.6
10563	AAE	IEEE 802.11ac WiFi (160 MHz, MCS9, 99pc duty cycle)	WLAN	8.77	±9.6
10564	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.25	±9.6
10565	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.45	±9.6
10566	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle)	WLAN	8.13	±9.6
10567	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle)	WLAN	8.00	±9.6
10568	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle)	WLAN	8.37	±9.6
10569	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.10	±9.6
10570	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.30	±9.6
10571	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	WLAN	1.99	±9.6
10572	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	WLAN	1.99	±9.6
10573	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	WLAN	1.98	±9.6
10574	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	WLAN	1.98	±9.6
10575	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	±9.6
10576	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	±9.6
10577	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	±9.6
10578	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	±9.6
10579	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	±9.6
10580	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	±9.6
10581	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	±9.6
10582	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	±9.6
10583	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	±9.6
10584	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	±9.6
10585	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	±9.6
10586	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	±9.6
10587	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	±9.6
10588	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	±9.6
10589	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	±9.6
10590	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	±9.6
10591	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 90pc duty cycle)	WLAN	8.63	±9.6
10592	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS1, 90pc duty cycle)	WLAN	8.79	±9.6
10593	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS2, 90pc duty cycle)	WLAN	8.64	±9.6
10594	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 90pc duty cycle)	WLAN	8.74	±9.6
10595	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS4, 90pc duty cycle)	WLAN	8.74	±9.6
10596	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS5, 90pc duty cycle)	WLAN	8.71	±9.6
10597	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS6, 90pc duty cycle)	WLAN	8.72	±9.6
10598	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS7, 90pc duty cycle)	WLAN	8.50	±9.6
10599	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS0, 90pc duty cycle)	WLAN	8.79	±9.6
10600	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS1, 90pc duty cycle)	WLAN	8.88	±9.6
10601	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS2, 90pc duty cycle)	WLAN	8.82	±9.6
10602	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle)	WLAN	8.94	±9.6
10603	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS4, 90pc duty cycle)	WLAN	9.03	±9.6
10604	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS5, 90pc duty cycle)	WLAN	8.76	±9.6
10605	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS6, 90pc duty cycle)	WLAN	8.97	±9.6
10606	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS7, 90pc duty cycle)	WLAN	8.82	±9.6
10607	AAD	IEEE 802.11ac WiFi (20 MHz, MCS0, 90pc duty cycle)	WLAN	8.64	±9.6
10608	AAD	IEEE 802.11ac WiFi (20 MHz, MCS1, 90pc duty cycle)	WLAN	8.77	±9.6

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10609	AAD	IEEE 802.11ac WiFi (20 MHz, MCS2, 90pc duty cycle)	WLAN	8.57	±9.6
10610	AAD	IEEE 802.11ac WiFi (20 MHz, MCS3, 90pc duty cycle)	WLAN	8.78	±9.6
10611	AAD	IEEE 802.11ac WiFi (20 MHz, MCS4, 90pc duty cycle)	WLAN	8.70	±9.6
10612	AAD	IEEE 802.11ac WiFi (20 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±9.6
10613	AAD	IEEE 802.11ac WiFi (20 MHz, MCS6, 90pc duty cycle)	WLAN	8.94	±9.6
10614	AAD	IEEE 802.11ac WiFi (20 MHz, MCS7, 90pc duty cycle)	WLAN	8.59	±9.6
10615	AAD	IEEE 802.11ac WiFi (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6
10616	AAD	IEEE 802.11ac WiFi (40 MHz, MCS0, 90pc duty cycle)	WLAN	8.82	±9.6
10617	AAD	IEEE 802.11ac WiFi (40 MHz, MCS1, 90pc duty cycle)	WLAN	8.81	±9.6
10618	AAD	IEEE 802.11ac WiFi (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.58	±9.6
10619	AAD	IEEE 802.11ac WiFi (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.86	±9.6
10620	AAD	IEEE 802.11ac WiFi (40 MHz, MCS4, 90pc duty cycle)	WLAN	8.87	±9.6
10621	AAD	IEEE 802.11ac WiFi (40 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±9.6
10622	AAD	IEEE 802.11ac WiFi (40 MHz, MCS6, 90pc duty cycle)	WLAN	8.68	±9.6
10623	AAD	IEEE 802.11ac WiFi (40 MHz, MCS7, 90pc duty cycle)	WLAN	8.82	±9.6
10624	AAD	IEEE 802.11ac WiFi (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.96	±9.6
10625	AAD	IEEE 802.11ac WiFi (40 MHz, MCS9, 90pc duty cycle)	WLAN	8.96	±9.6
10626	AAD	IEEE 802.11ac WiFi (80 MHz, MCS0, 90pc duty cycle)	WLAN	8.83	±9.6
10627	AAD	IEEE 802.11ac WiFi (80 MHz, MCS1, 90pc duty cycle)	WLAN	8.88	±9.6
10628	AAD	IEEE 802.11ac WiFi (80 MHz, MCS2, 90pc duty cycle)	WLAN	8.71	±9.6
10629	AAD	IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.85	±9.6
10630	AAD	IEEE 802.11ac WiFi (80 MHz, MCS4, 90pc duty cycle)	WLAN	8.72	±9.6
10631	AAD	IEEE 802.11ac WiFi (80 MHz, MCS5, 90pc duty cycle)	WLAN	8.81	±9.6
10632	AAD	IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.74	±9.6
10633	AAD	IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc duty cycle)	WLAN	8.83	±9.6
10634	AAD	IEEE 802.11ac WiFi (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.80	±9.6
10635	AAD	IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.81	±9.6
10636	AAE	IEEE 802.11ac WiFi (160 MHz, MCS0, 90pc duty cycle)	WLAN	8.83	±9.6
10637	AAE	IEEE 802.11ac WiFi (160 MHz, MCS1, 90pc duty cycle)	WLAN	8.79	±9.6
10638	AAE	IEEE 802.11ac WiFi (160 MHz, MCS2, 90pc duty cycle)	WLAN	8.86	±9.6
10639	AAE	IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle)	WLAN	8.85	±9.6
10640	AAE	IEEE 802.11ac WiFi (160 MHz, MCS4, 90pc duty cycle)	WLAN	8.98	±9.6
10641	AAE	IEEE 802.11ac WiFi (160 MHz, MCS5, 90pc duty cycle)	WLAN	9.06	±9.6
10642	AAE	IEEE 802.11ac WiFi (160 MHz, MCS6, 90pc duty cycle)	WLAN	9.06	±9.6
10643	AAE	IEEE 802.11ac WiFi (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.89	±9.6
10644	AAE	IEEE 802.11ac WiFi (160 MHz, MCS8, 90pc duty cycle)	WLAN	9.05	±9.6
10645	AAE	IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle)	WLAN	9.11	±9.6
10646	AAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	±9.6
10647	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	±9.6
10648	AAA	CDMA2000 (1x Advanced)	CDMA2000	3.45	±9.6
10652	AAF	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	±9.6
10653	AAF	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	±9.6
10654	AAE	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.96	±9.6
10655	AAF	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.21	±9.6
10658	AAB	Pulse Waveform (200Hz, 10%)	Test	10.00	±9.6
10659	AAB	Pulse Waveform (200Hz, 20%)	Test	6.99	±9.6
10660	AAB	Pulse Waveform (200Hz, 40%)	Test	3.98	±9.6
10661	AAB	Pulse Waveform (200Hz, 60%)	Test	2.22	±9.6
10662	AAB	Pulse Waveform (200Hz, 80%)	Test	0.97	±9.6
10670	AAA	Bluetooth Low Energy	Bluetooth	2.19	±9.6
10671	AAC	IEEE 802.11ax (20 MHz, MCS0, 90pc duty cycle)	WLAN	9.09	±9.6
10672	AAC	IEEE 802.11ax (20 MHz, MCS1, 90pc duty cycle)	WLAN	8.57	±9.6
10673	AAC	IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle)	WLAN	8.78	±9.6
10674	AAC	IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle)	WLAN	8.74	±9.6
10675	AAC	IEEE 802.11ax (20 MHz, MCS4, 90pc duty cycle)	WLAN	8.90	±9.6
10676	AAC	IEEE 802.11ax (20 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±9.6
10677	AAC	IEEE 802.11ax (20 MHz, MCS6, 90pc duty cycle)	WLAN	8.73	±9.6
10678	AAC	IEEE 802.11ax (20 MHz, MCS7, 90pc duty cycle)	WLAN	8.78	±9.6
10679	AAC	IEEE 802.11ax (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.89	±9.6
10680	AAC	IEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle)	WLAN	8.80	±9.6
10681	AAC	IEEE 802.11ax (20 MHz, MCS10, 90pc duty cycle)	WLAN	8.62	±9.6
10682	AAC	IEEE 802.11ax (20 MHz, MCS11, 90pc duty cycle)	WLAN	8.83	±9.6
10683	AAC	IEEE 802.11ax (20 MHz, MCS0, 99pc duty cycle)	WLAN	8.42	±9.6
10684	AAC	IEEE 802.11ax (20 MHz, MCS1, 99pc duty cycle)	WLAN	8.26	±9.6
10685	AAC	IEEE 802.11ax (20 MHz, MCS2, 99pc duty cycle)	WLAN	8.33	±9.6
10686	AAC	IEEE 802.11ax (20 MHz, MCS3, 99pc duty cycle)	WLAN	8.28	±9.6

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10687	AAC	IEEE 802.11ax (20 MHz, MCS4, 99pc duty cycle)	WLAN	8.45	±9.6
10688	AAC	IEEE 802.11ax (20 MHz, MCS5, 99pc duty cycle)	WLAN	8.29	±9.6
10689	AAC	IEEE 802.11ax (20 MHz, MCS6, 99pc duty cycle)	WLAN	8.55	±9.6
10690	AAC	IEEE 802.11ax (20 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
10691	AAC	IEEE 802.11ax (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.25	±9.6
10692	AAC	IEEE 802.11ax (20 MHz, MCS9, 99pc duty cycle)	WLAN	8.29	±9.6
10693	AAC	IEEE 802.11ax (20 MHz, MCS10, 99pc duty cycle)	WLAN	8.25	±9.6
10694	AAC	IEEE 802.11ax (20 MHz, MCS11, 99pc duty cycle)	WLAN	8.57	±9.6
10695	AAC	IEEE 802.11ax (40 MHz, MCS0, 90pc duty cycle)	WLAN	8.78	±9.6
10696	AAC	IEEE 802.11ax (40 MHz, MCS1, 90pc duty cycle)	WLAN	8.91	±9.6
10697	AAC	IEEE 802.11ax (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.61	±9.6
10698	AAC	IEEE 802.11ax (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.89	±9.6
10699	AAC	IEEE 802.11ax (40 MHz, MCS4, 90pc duty cycle)	WLAN	8.82	±9.6
10700	AAC	IEEE 802.11ax (40 MHz, MCS5, 90pc duty cycle)	WLAN	8.73	±9.6
10701	AAC	IEEE 802.11ax (40 MHz, MCS6, 90pc duty cycle)	WLAN	8.86	±9.6
10702	AAC	IEEE 802.11ax (40 MHz, MCS7, 90pc duty cycle)	WLAN	8.70	±9.6
10703	AAC	IEEE 802.11ax (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6
10704	AAC	IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)	WLAN	8.56	±9.6
10705	AAC	IEEE 802.11ax (40 MHz, MCS10, 90pc duty cycle)	WLAN	8.69	±9.6
10706	AAC	IEEE 802.11ax (40 MHz, MCS11, 90pc duty cycle)	WLAN	8.66	±9.6
10707	AAC	IEEE 802.11ax (40 MHz, MCS0, 99pc duty cycle)	WLAN	8.32	±9.6
10708	AAC	IEEE 802.11ax (40 MHz, MCS1, 99pc duty cycle)	WLAN	8.55	±9.6
10709	AAC	IEEE 802.11ax (40 MHz, MCS2, 99pc duty cycle)	WLAN	8.33	±9.6
10710	AAC	IEEE 802.11ax (40 MHz, MCS3, 99pc duty cycle)	WLAN	8.29	±9.6
10711	AAC	IEEE 802.11ax (40 MHz, MCS4, 99pc duty cycle)	WLAN	8.39	±9.6
10712	AAC	IEEE 802.11ax (40 MHz, MCS5, 99pc duty cycle)	WLAN	8.67	±9.6
10713	AAC	IEEE 802.11ax (40 MHz, MCS6, 99pc duty cycle)	WLAN	8.33	±9.6
10714	AAC	IEEE 802.11ax (40 MHz, MCS7, 99pc duty cycle)	WLAN	8.26	±9.6
10715	AAC	IEEE 802.11ax (40 MHz, MCS8, 99pc duty cycle)	WLAN	8.45	±9.6
10716	AAC	IEEE 802.11ax (40 MHz, MCS9, 99pc duty cycle)	WLAN	8.30	±9.6
10717	AAC	IEEE 802.11ax (40 MHz, MCS10, 99pc duty cycle)	WLAN	8.48	±9.6
10718	AAC	IEEE 802.11ax (40 MHz, MCS11, 99pc duty cycle)	WLAN	8.24	±9.6
10719	AAC	IEEE 802.11ax (80 MHz, MCS0, 90pc duty cycle)	WLAN	8.81	±9.6
10720	AAC	IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle)	WLAN	8.87	±9.6
10721	AAC	IEEE 802.11ax (80 MHz, MCS2, 90pc duty cycle)	WLAN	8.76	±9.6
10722	AAC	IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.55	±9.6
10723	AAC	IEEE 802.11ax (80 MHz, MCS4, 90pc duty cycle)	WLAN	8.70	±9.6
10724	AAC	IEEE 802.11ax (80 MHz, MCS5, 90pc duty cycle)	WLAN	8.90	±9.6
10725	AAC	IEEE 802.11ax (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.74	±9.6
10726	AAC	IEEE 802.11ax (80 MHz, MCS7, 90pc duty cycle)	WLAN	8.72	±9.6
10727	AAC	IEEE 802.11ax (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.66	±9.6
10728	AAC	IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.65	±9.6
10729	AAC	IEEE 802.11ax (80 MHz, MCS10, 90pc duty cycle)	WLAN	8.64	±9.6
10730	AAC	IEEE 802.11ax (80 MHz, MCS11, 90pc duty cycle)	WLAN	8.67	±9.6
10731	AAC	IEEE 802.11ax (80 MHz, MCS0, 99pc duty cycle)	WLAN	8.42	±9.6
10732	AAC	IEEE 802.11ax (80 MHz, MCS1, 99pc duty cycle)	WLAN	8.46	±9.6
10733	AAC	IEEE 802.11ax (80 MHz, MCS2, 99pc duty cycle)	WLAN	8.40	±9.6
10734	AAC	IEEE 802.11ax (80 MHz, MCS3, 99pc duty cycle)	WLAN	8.25	±9.6
10735	AAC	IEEE 802.11ax (80 MHz, MCS4, 99pc duty cycle)	WLAN	8.33	±9.6
10736	AAC	IEEE 802.11ax (80 MHz, MCS5, 99pc duty cycle)	WLAN	8.27	±9.6
10737	AAC	IEEE 802.11ax (80 MHz, MCS6, 99pc duty cycle)	WLAN	8.36	±9.6
10738	AAC	IEEE 802.11ax (80 MHz, MCS7, 99pc duty cycle)	WLAN	8.42	±9.6
10739	AAC	IEEE 802.11ax (80 MHz, MCS8, 99pc duty cycle)	WLAN	8.29	±9.6
10740	AAC	IEEE 802.11ax (80 MHz, MCS9, 99pc duty cycle)	WLAN	8.48	±9.6
10741	AAC	IEEE 802.11ax (80 MHz, MCS10, 99pc duty cycle)	WLAN	8.40	±9.6
10742	AAC	IEEE 802.11ax (80 MHz, MCS11, 99pc duty cycle)	WLAN	8.43	±9.6
10743	AAC	IEEE 802.11ax (160 MHz, MCS0, 90pc duty cycle)	WLAN	8.94	±9.6
10744	AAC	IEEE 802.11ax (160 MHz, MCS1, 90pc duty cycle)	WLAN	9.16	±9.6
10745	AAC	IEEE 802.11ax (160 MHz, MCS2, 90pc duty cycle)	WLAN	8.93	±9.6
10746	AAC	IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle)	WLAN	9.11	±9.6
10747	AAC	IEEE 802.11ax (160 MHz, MCS4, 90pc duty cycle)	WLAN	9.04	±9.6
10748	AAC	IEEE 802.11ax (160 MHz, MCS5, 90pc duty cycle)	WLAN	8.93	±9.6
10749	AAC	IEEE 802.11ax (160 MHz, MCS6, 90pc duty cycle)	WLAN	8.90	±9.6
10750	AAC	IEEE 802.11ax (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.79	±9.6
10751	AAC	IEEE 802.11ax (160 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6
10752	AAC	IEEE 802.11ax (160 MHz, MCS9, 90pc duty cycle)	WLAN	8.81	±9.6

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10753	AAC	IEEE 802.11ax (160 MHz, MCS10, 90pc duty cycle)	WLAN	9.00	±9.6
10754	AAC	IEEE 802.11ax (160 MHz, MCS11, 90pc duty cycle)	WLAN	8.94	±9.6
10755	AAC	IEEE 802.11ax (160 MHz, MCS0, 99pc duty cycle)	WLAN	8.64	±9.6
10756	AAC	IEEE 802.11ax (160 MHz, MCS1, 99pc duty cycle)	WLAN	8.77	±9.6
10757	AAC	IEEE 802.11ax (160 MHz, MCS2, 99pc duty cycle)	WLAN	8.77	±9.6
10758	AAC	IEEE 802.11ax (160 MHz, MCS3, 99pc duty cycle)	WLAN	8.69	±9.6
10759	AAC	IEEE 802.11ax (160 MHz, MCS4, 99pc duty cycle)	WLAN	8.58	±9.6
10760	AAC	IEEE 802.11ax (160 MHz, MCS5, 99pc duty cycle)	WLAN	8.49	±9.6
10761	AAC	IEEE 802.11ax (160 MHz, MCS6, 99pc duty cycle)	WLAN	8.58	±9.6
10762	AAC	IEEE 802.11ax (160 MHz, MCS7, 99pc duty cycle)	WLAN	8.49	±9.6
10763	AAC	IEEE 802.11ax (160 MHz, MCS8, 99pc duty cycle)	WLAN	8.53	±9.6
10764	AAC	IEEE 802.11ax (160 MHz, MCS9, 99pc duty cycle)	WLAN	8.54	±9.6
10765	AAC	IEEE 802.11ax (160 MHz, MCS10, 99pc duty cycle)	WLAN	8.54	±9.6
10766	AAC	IEEE 802.11ax (160 MHz, MCS11, 99pc duty cycle)	WLAN	8.51	±9.6
10767	AAG	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	7.99	±9.6
10768	AAE	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	±9.6
10769	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	±9.6
10770	AAE	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6
10771	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6
10772	AAE	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.23	±9.6
10773	AAF	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.03	±9.6
10774	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6
10775	AAF	5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	±9.6
10776	AAE	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	AAE	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	AAE	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	±9.6
10781	AAF	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	±9.6
10782	AAE	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.43	±9.6
10783	AAG	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	±9.6
10784	AAE	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.29	±9.6
10785	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.40	±9.6
10786	AAE	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.35	±9.6
10787	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.44	±9.6
10788	AAE	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	±9.6
10789	AAF	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	±9.6
10790	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	±9.6
10791	AAG	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.83	±9.6
10792	AAE	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.92	±9.6
10793	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.95	±9.6
10794	AAE	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	±9.6
10795	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.84	±9.6
10796	AAE	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	±9.6
10797	AAF	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.01	±9.6
10798	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	±9.6
10799	AAF	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	±9.6
10801	AAF	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	±9.6
10802	AAE	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	±9.6
10803	AAF	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	±9.6
10805	AAE	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	AAE	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10810	AAF	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10812	AAF	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	±9.6
10817	AAG	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	±9.6
10818	AAE	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	AAE	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.30	±9.6
10821	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
10822	AAE	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
10823	AAF	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.36	±9.6
10824	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.39	±9.6
10825	AAF	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
10827	AAF	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

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UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E $k = 2$
10829	AAF	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.40	±9.6
10830	AAE	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	AAE	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	AAE	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.75	±9.6
10835	AAF	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	AAF	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.68	±9.6
10839	AAF	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±9.6
10840	AAE	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.67	±9.6
10841	AAF	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	AAE	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
10846	AAE	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10854	AAE	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	AAE	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	AAE	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	±9.6
10859	AAF	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
10860	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10861	AAF	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.40	±9.6
10863	AAF	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	AAF	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10866	AAF	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10868	AAF	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.89	±9.6
10869	AAE	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	±9.6
10870	AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.86	±9.6
10871	AAE	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	5.75	±9.6
10872	AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.52	±9.6
10873	AAE	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	±9.6
10874	AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	±9.6
10875	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	±9.6
10876	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.39	±9.6
10877	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	7.95	±9.6
10878	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.41	±9.6
10879	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.12	±9.6
10880	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.38	±9.6
10881	AAE	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	±9.6
10882	AAE	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.96	±9.6
10883	AAE	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.57	±9.6
10884	AAE	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.53	±9.6
10885	AAE	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	±9.6
10886	AAE	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	±9.6
10887	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	±9.6
10888	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.35	±9.6
10889	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.02	±9.6
10890	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.40	±9.6
10891	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.13	±9.6
10892	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.41	±9.6
10897	AAE	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.66	±9.6
10898	AAC	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	±9.6
10899	AAB	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	±9.6
10900	AAC	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10901	AAB	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10902	AAC	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	AAC	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	AAE	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.78	±9.6
10908	AAC	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	±9.6
10909	AAB	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.96	±9.6
10910	AAC	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	±9.6

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UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k = 2
10911	AAB	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	±9.6
10912	AAC	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	AAC	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	AAE	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	±9.6
10919	AAC	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	±9.6
10920	AAB	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	±9.6
10921	AAC	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10922	AAB	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.82	±9.6
10923	AAC	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	AAC	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	AAC	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±9.6
10931	AAC	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10932	AAC	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10933	AAC	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10934	AAC	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10935	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10936	AAD	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	±9.6
10937	AAD	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.77	±9.6
10938	AAC	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	±9.6
10939	AAC	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.82	±9.6
10940	AAC	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.89	±9.6
10941	AAC	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	±9.6
10942	AAC	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	±9.6
10943	AAD	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.95	±9.6
10944	AAD	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.81	±9.6
10945	AAD	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	±9.6
10946	AAC	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	±9.6
10947	AAC	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	±9.6
10948	AAC	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	±9.6
10949	AAC	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	±9.6
10950	AAC	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	±9.6
10951	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.92	±9.6
10952	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.25	±9.6
10953	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.15	±9.6
10954	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.23	±9.6
10955	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.42	±9.6
10956	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.14	±9.6
10957	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.31	±9.6
10958	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.61	±9.6
10959	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.33	±9.6
10960	AAE	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.32	±9.6
10961	AAC	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	AAC	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.55	±9.6
10964	AAE	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.29	±9.6
10965	AAC	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	AAC	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.42	±9.6
10968	AAD	5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.49	±9.6
10972	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	11.59	±9.6
10973	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	9.06	±9.6
10974	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz)	5G NR FR1 TDD	10.28	±9.6
10978	AAA	ULLA BDR	ULLA	1.16	±9.6
10979	AAA	ULLA HDR4	ULLA	8.58	±9.6
10980	AAA	ULLA HDR8	ULLA	10.32	±9.6
10981	AAA	ULLA HDRp4	ULLA	3.19	±9.6
10982	AAA	ULLA HDRp8	ULLA	3.43	±9.6

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UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E $k = 2$
10983	AAC	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.31	±9.6
10984	AAB	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.42	±9.6
10985	AAC	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.54	±9.6
10986	AAB	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.50	±9.6
10987	AAC	5G NR DL (CP-OFDM, TM 3.1, 60 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.53	±9.6
10988	AAB	5G NR DL (CP-OFDM, TM 3.1, 70 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.38	±9.6
10989	AAC	5G NR DL (CP-OFDM, TM 3.1, 80 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.33	±9.6
10990	AAB	5G NR DL (CP-OFDM, TM 3.1, 90 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.52	±9.6
11003	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	10.24	±9.6
11004	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	10.73	±9.6
11005	AAA	5G NR DL (CP-OFDM, TM 3.1, 25 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.70	±9.6
11006	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.55	±9.6
11007	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.46	±9.6
11008	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.51	±9.6
11009	AAA	5G NR DL (CP-OFDM, TM 3.1, 25 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.76	±9.6
11010	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.95	±9.6
11011	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.96	±9.6
11012	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.68	±9.6
11013	AAB	IEEE 802.11be (320 MHz, MCS1, 99pc duty cycle)	WLAN	8.47	±9.6
11014	AAB	IEEE 802.11be (320 MHz, MCS2, 99pc duty cycle)	WLAN	8.45	±9.6
11015	AAB	IEEE 802.11be (320 MHz, MCS3, 99pc duty cycle)	WLAN	8.44	±9.6
11016	AAB	IEEE 802.11be (320 MHz, MCS4, 99pc duty cycle)	WLAN	8.44	±9.6
11017	AAB	IEEE 802.11be (320 MHz, MCS5, 99pc duty cycle)	WLAN	8.41	±9.6
11018	AAB	IEEE 802.11be (320 MHz, MCS6, 99pc duty cycle)	WLAN	8.40	±9.6
11019	AAB	IEEE 802.11be (320 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
11020	AAB	IEEE 802.11be (320 MHz, MCS8, 99pc duty cycle)	WLAN	8.27	±9.6
11021	AAB	IEEE 802.11be (320 MHz, MCS9, 99pc duty cycle)	WLAN	8.46	±9.6
11022	AAB	IEEE 802.11be (320 MHz, MCS10, 99pc duty cycle)	WLAN	8.36	±9.6
11023	AAB	IEEE 802.11be (320 MHz, MCS11, 99pc duty cycle)	WLAN	8.09	±9.6
11024	AAB	IEEE 802.11be (320 MHz, MCS12, 99pc duty cycle)	WLAN	8.42	±9.6
11025	AAB	IEEE 802.11be (320 MHz, MCS13, 99pc duty cycle)	WLAN	8.37	±9.6
11026	AAB	IEEE 802.11be (320 MHz, MCS0, 99pc duty cycle)	WLAN	8.39	±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 D. SAR Test Setup Photos

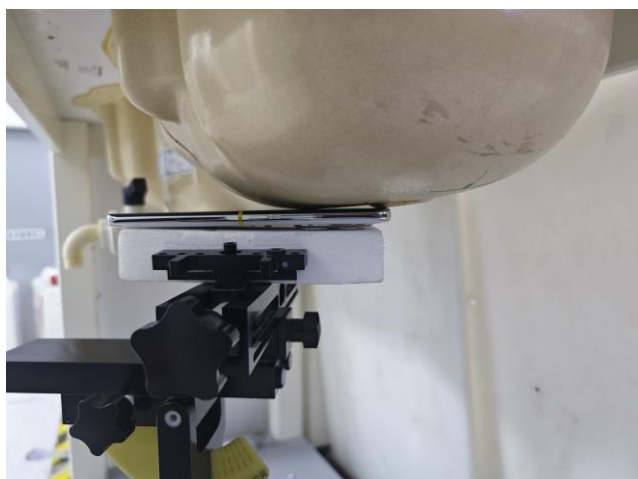
Head Exposure Condition



Right Cheek, Test Separation 0 mm



Right Tilted, Test Separation 0 mm



Left Cheek, Test Separation 0 mm



Left Tilted, Test Separation 0 mm

Hotspot Exposure Condition



Front, Test Separation 10 mm



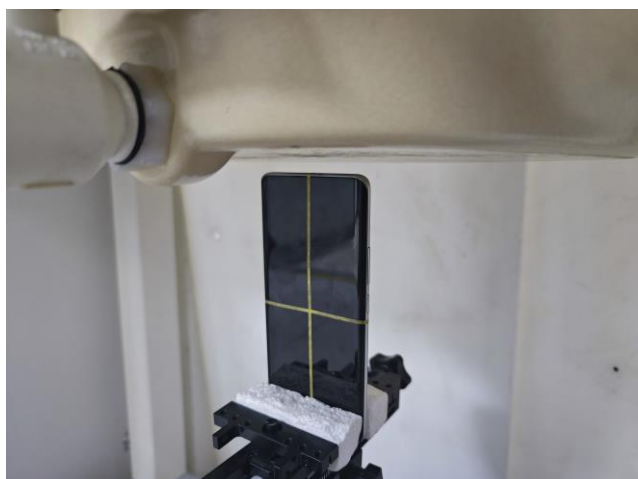
Back, Test Separation 10 mm



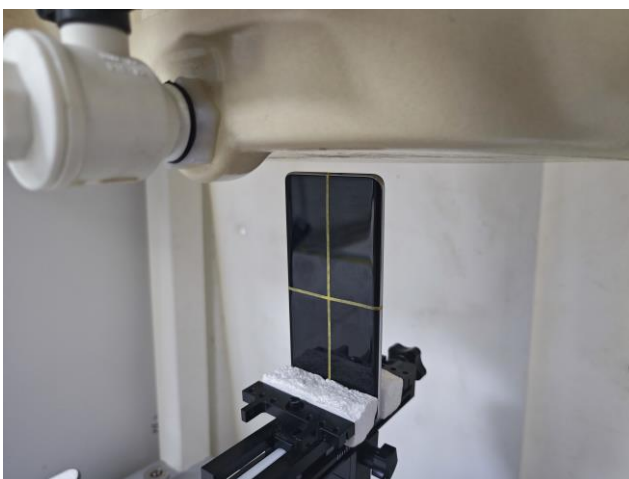
Left Side, Test Separation 10 mm



Right Side, Test Separation 10 mm



Top Side, Test Separation 10 mm



Bottom Side, Test Separation 10 mm

<Sensor off>



Front, Test Separation 15 mm



Back, Test Separation 15 mm



Top Side, Test Separation 15 mm



Bottom Side, Test Separation 15 mm

Body-worn Exposure Condition



Front, Test Separation 10 mm



Back, Test Separation 10 mm

<Sensor off>



Front, Test Separation 15 mm



Back, Test Separation 15 mm

Product Specific 10g SAR



Front, Test Separation 0 mm



Back, Test Separation 0 mm

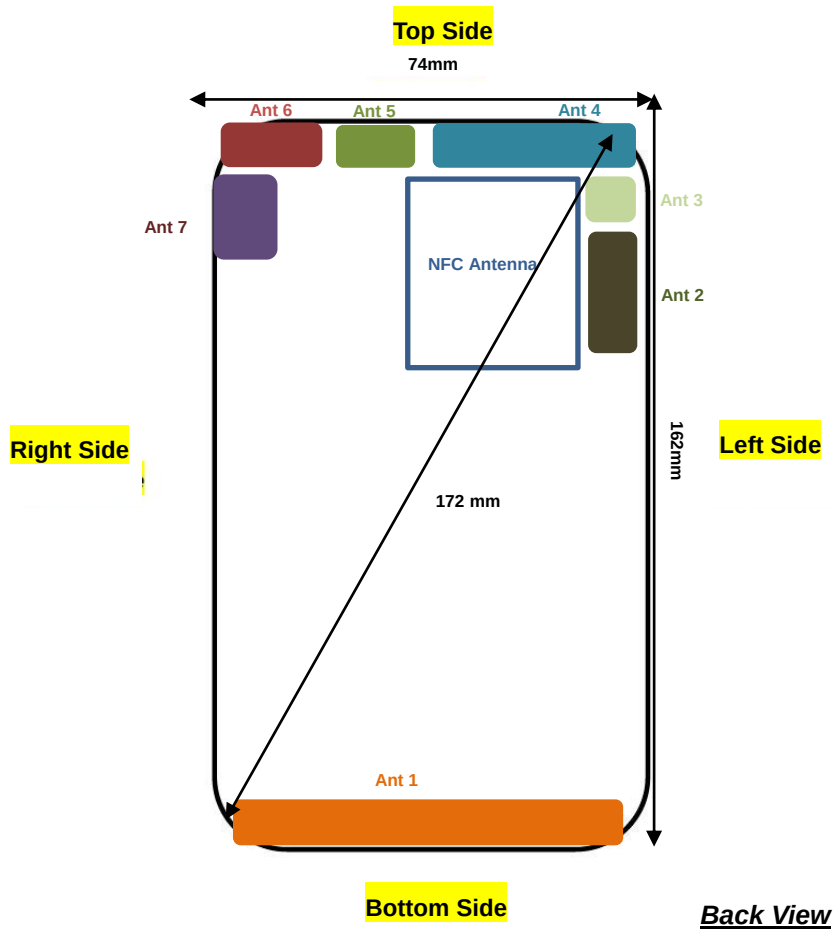


Right Side, Test Separation 0 mm



Top Side, Test Separation 0 mm

Antenna Location



Antenna	Support Band
Antenna 1	GSM: 850/1900<TX/RX> UMTS: B2/4/5 <TX/RX> LTE: B2/4/5/7/12/13/17/26/66/38/41<TX/RX> NR: n2/n5/n7/n66/n38/n41 <TX/RX>
Antenna 2	LTE: B2/4/7/66/38/41/42/48<TX/RX> NR: n2/ n66/n48/n77/n78 <TX/RX>
Antenna 3	LTE: B7/42/48<TX/RX> NR: n7/n38/n41/n48/n77/n78 <TX/RX>
Antenna 4	GSM: 850/1900<TX/RX> UMTS: B2/4/5 <TX/RX> LTE: B2/4/5/7/12/13/17/26/66/38/41<TX/RX> NR: n2/n5/n7/n66/n38/n41<TX/RX>
Antenna 5	LTE: B42/48<TX/RX> NR: n48/n77/n78 <TX/RX>
Antenna 6	WLAN 2.4GHz <TX/RX> WLAN 5GHz <TX/RX> Bluetooth<TX/RX>
Antenna 7	LTE: B42/48<TX/RX> NR: n38/n41/n48/n77/n78<TX/RX>
NFC Antenna	NFC<TX/RX>

Distance of the Antenna to the EUT surface/edge						
Antennas	Back	Front	Top Side	Bottom Side	Right Side	Left Side
Antenna 1	≤ 25mm	≤ 25mm	>25mm	≤ 25mm	≤ 25mm	≤ 25mm
Antenna 2	≤ 25mm	≤ 25mm	>25mm	> 25mm	> 25mm	≤ 25mm
Antenna 3	≤ 25mm	≤ 25mm	≤ 25mm	> 25mm	> 25mm	≤ 25mm
Antenna 4	≤ 25mm	≤ 25mm	≤ 25mm	>25mm	>25mm	≤ 25mm
Antenna 5	≤ 25mm	≤ 25mm	≤ 25mm	> 25mm	≤ 25mm	> 25mm
Antenna 6	≤ 25mm	≤ 25mm	≤ 25mm	> 25mm	≤ 25mm	> 25mm
Antenna 7	≤ 25mm	≤ 25mm	≤ 25mm	>25mm	≤ 25mm	>25mm
NFC Antenna	≤ 25mm	≤ 25mm	≤ 25mm	>25mm	≤ 25mm	> 25mm

Distance of the Antenna to the EUT surface/edge						
Antennas	Back	Front	Top Side	Bottom Side	Right Side	Left Side
Antenna 1	Yes	Yes	No	Yes	Yes	Yes
Antenna 2	Yes	Yes	No	No	No	Yes
Antenna 3	Yes	Yes	Yes	No	No	Yes
Antenna 4	Yes	Yes	Yes	No	No	Yes
Antenna 5	Yes	Yes	Yes	No	Yes	No
Antenna 6	Yes	Yes	Yes	No	Yes	No
Antenna 7	Yes	Yes	Yes	No	Yes	No
NFC Antenna	Yes	Yes	Yes	No	Yes	No

Note: Referring to KDB 941225 D06 v02r01, when the overall device length and width are ≥ 9cm*5cm, the test distance is 10 mm. SAR must be measured for all sides and surfaces with a transmitting antenna located within 25mm from that surface or edge.



Appendix E. Conducted RF Output Power Table

The detailed power tables are shown as follows.

Full & Default Power Mode_Main PA

TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	121.2	121.4	141.3		121.2	121.4	141.3	
GSM 1 Tx slot	32.28	32.29	32.28	33.50	23.28	23.29	23.28	24.50
GPRS 1 Tx slot	32.24	32.26	32.24	33.50	23.24	23.26	23.24	24.50
GPRS 2 Tx slots	31.43	31.53	31.51	32.50	25.43	25.53	25.51	26.50
GPRS 3 Tx slots	29.67	29.75	29.77	31.00	25.41	25.49	25.51	26.74
GPRS 4 Tx slots	28.63	28.87	28.73	30.00	25.63	25.87	25.73	27.00
EDGE 1 Tx slot	26.87	26.99	26.94	28.00	17.87	17.99	17.94	19.00
EDGE 2 Tx slots	23.95	23.99	23.90	25.00	17.95	17.99	17.90	19.00
EDGE 3 Tx slots	22.09	22.15	22.13	23.20	17.83	17.89	17.87	18.94
EDGE 4 Tx slots	20.53	20.58	20.54	22.00	17.83	17.88	17.94	19.00

TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1850	1909.8		1850.2	1850	1909.8	
GSM 1 Tx slot	29.18	29.45	29.43	30.50	20.18	20.45	20.43	21.50
GPRS 1 Tx slot	29.31	29.38	29.36	30.50	20.31	20.38	20.36	21.50
GPRS 2 Tx slots	28.46	28.47	28.36	28.50	22.46	22.47	22.36	23.50
GPRS 3 Tx slots	28.74	28.73	28.67	28.00	22.48	22.47	22.41	23.74
GPRS 4 Tx slots	25.80	25.81	25.59	27.00	22.60	22.61	22.59	24.00
EDGE 1 Tx slot	25.84	25.90	25.81	27.00	18.84	18.90	18.81	18.00
EDGE 2 Tx slots	22.85	22.86	22.80	24.00	16.85	16.86	16.80	16.00
EDGE 3 Tx slots	21.02	21.08	21.01	22.20	16.76	16.82	16.75	17.94
EDGE 4 Tx slots	19.82	19.87	19.82	21.00	16.82	16.87	16.82	18.00

Band	WCDMA II Ant 1			Tune-up Limit (dBm)	WCDMA IV Ant 1			Tune-up Limit (dBm)	WCDMA V Ant 1			Tune-up Limit (dBm)
	9262	9400	9638		1312	1413	1513		4132	4182	4233	
Tx Channel	9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)	1527.4	1540	1507.4		1712.4	1727.6	1727.6		428.4	437.4	440.6	
3GPP Rel 99 AMR 12.2kbps	22.08	22.94	22.83	24.00	23.83	23.89	23.80	25.00	24.35	24.46	24.35	25.50
3GPP Rel 99 RMC 12.2kbps	22.91	22.98	22.93	24.00	23.91	23.90	23.92	25.00	24.48	24.50	24.44	25.50
3GPP Rel 6 HSDPA Subtest-1	21.92	21.96	21.87	23.00	22.91	22.91	22.94	24.00	23.52	23.54	23.46	24.50
3GPP Rel 6 HSDPA Subtest-2	21.86	21.96	21.97	23.00	22.93	22.93	22.94	24.00	23.50	23.47	23.43	24.50
3GPP Rel 6 HSDPA Subtest-3	21.36	21.43	21.47	22.50	22.38	22.45	22.38	23.50	23.94	23.91	22.80	24.00
3GPP Rel 6 HSDPA Subtest-4	21.37	21.53	21.43	22.50	22.48	22.47	22.40	23.50	23.01	22.98	22.91	24.00
3GPP Rel 6 DC-HSDPA Subtest-1	21.89	22.04	21.88	23.00	22.89	23.02	22.91	24.00	23.46	23.56	23.41	24.50
3GPP Rel 6 DC-HSDPA Subtest-2	21.90	22.01	21.94	23.00	22.94	22.98	22.96	24.00	23.47	23.53	23.48	24.50
3GPP Rel 6 DC-HSDPA Subtest-3	21.38	21.44	21.45	22.50	22.40	22.51	22.45	23.50	23.01	23.04	22.94	24.00
3GPP Rel 6 DC-HSDPA Subtest-4	21.46	21.48	21.45	22.50	22.42	22.41	22.46	23.50	23.01	23.01	22.97	24.00
3GPP Rel 6 HSUPA Subtest-1	21.87	22.02	21.99	23.00	22.95	22.98	22.95	24.00	23.49	23.52	23.42	24.50
3GPP Rel 6 HSUPA Subtest-2	19.98	19.99	19.98	21.00	20.98	20.95	20.94	22.00	21.48	21.50	21.41	22.50
3GPP Rel 6 HSUPA Subtest-3	20.96	21.03	20.94	22.00	21.90	21.93	21.89	23.00	22.51	22.48	22.38	23.50
3GPP Rel 6 HSUPA Subtest-4	19.86	19.93	19.88	21.00	20.88	20.99	20.91	22.00	21.46	21.51	21.45	22.50
3GPP Rel 6 HSUPA Subtest-5	21.91	22.00	21.96	23.00	22.92	22.98	22.95	24.00	23.45	23.49	23.49	24.50
3GPP Rel 7 HSPA+ (HSPA-M) Subtest-1	19.38	19.46	19.46	20.50	20.38	20.42	20.36	21.50	20.96	21.01	20.97	22.00

Band 2 Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power High Ch / Freq.	Power High Ch / Freq.	Power High Ch / Freq.	Turn-up time (sec)	MPE (dB)	
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.85	22.85	22.85				
20	QPSK	1	46	22.85	22.85	22.85				
20	QPSK	1	99	22.85	22.85	22.85				
20	QPSK	50	0	21.63	22.50	21.97				
20	QPSK	50	24	21.63	21.98	21.80				
20	QPSK	50	50	21.63	21.99	21.84				
20	QPSK	100	0	21.50	21.98	21.89				
20	QPSK	100	24	21.50	21.94	21.87				
20	16QAM	1	49	21.82	21.87	21.84				
20	16QAM	1	99	21.80	21.89	21.77				
20	16QAM	1	99	20.95	21.01	21.00				
20	16QAM	50	24	20.87	21.00	20.98				
20	16QAM	50	50	20.78	21.04	20.90				
20	16QAM	100	0	20.87	20.99	20.98				
20	16QAM	1	0	20.90	20.96	20.90				
20	16QAM	1	49	20.79	20.85	20.85				
20	16QAM	1	99	20.86	20.84	20.82				
20	16QAM	50	0	19.98	19.99	20.01				
20	16QAM	50	24	19.80	19.85	19.83				
20	16QAM	50	50	19.80	19.83	19.82				
20	16QAM	100	0	19.91	19.95	19.95				
20	256QAM	1	0	17.79	17.79	17.79				
20	256QAM	1	49	17.71	17.70	17.75				
20	256QAM	1	99	17.82	18.00	17.82				
20	256QAM	50	0	17.82	17.82	17.82				
20	256QAM	50	24	17.82	17.82	17.82				
20	256QAM	50	50	17.82	17.82	17.82				
20	256QAM	100	0	17.82	17.82	17.82				
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.82	22.83	22.88				
15	QPSK	1	46	22.82	22.82	22.77				
15	QPSK	1	99	22.84	22.82	22.79				
15	QPSK	50	0	21.82	21.95	21.88				
15	QPSK	50	24	21.74	21.99	21.84				
15	QPSK	50	50	21.77	21.88	21.84				
15	QPSK	100	0	21.67	21.84	21.78				
15	QPSK	100	24	21.80	21.84	21.78				
15	16QAM	1	37	21.73	21.81	21.76				
15	16QAM	1	99	21.79	21.81	21.79				
15	16QAM	36	0	20.84	20.88	20.96				
15	16QAM	36	20	20.77	20.87	20.75				
15	16QAM	36	50	20.76	20.87	20.82				
15	16QAM	75	0	20.76	20.87	20.82				
15	16QAM	1	0	20.70	20.86	20.85				
15	16QAM	36	0	20.82	20.82	20.82				
15	16QAM	1	24	20.77	20.82	20.74				
15	16QAM	36	0	19.85	19.91	19.96				
15	16QAM	36	20	19.76	19.84	19.74				
15	16QAM	36	50	19.87	19.95	19.75				
15	16QAM	75	0	19.77	19.91	19.82				
15	256QAM	1	0	17.85	17.85	17.85				
15	256QAM	1	37	17.85	17.82	17.81				
15	256QAM	1	74	17.86	17.88	17.75				
15	256QAM	36	0	17.86	17.86	17.86				
15	256QAM	36	20	17.73	17.80	17.83				
15	256QAM	36	50	17.68	17.85	17.78				
15	256QAM	75	0	17.68	17.85	17.78				
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.84	22.84	22.81				
10	QPSK	1	25	22.74	22.80	22.81				
10	QPSK	1	49	22.82	22.82	22.73				
10	QPSK	50	0	21.82	21.87	21.87				
10	QPSK	50	24	21.71	21.94	21.80				
10	QPSK	50	50	21.70	21.86	21.72				
10	QPSK	100	0	21.67	21.86	21.80				
10	QPSK	100	24	21.81	21.89	21.83				
10	16QAM	1	25	21.72	21.82	21.81				
10	16QAM	1	49	21.76	21.81	21.78				
10	16QAM	25	0	20.85	20.98	20.95				
10	16QAM	25	12	20.74	20.92	20.85				
10	16QAM	25	24	20.74	21.00	20.71				
10	16QAM	50	0	20.76	20.87	20.78				
10	16QAM	1	0	20.70	20.89	20.77				
10	16QAM	1	25	20.86	20.75	20.71				
10	16QAM	1	49	20.72	20.78	20.70				
10	16QAM	25	0	19.93	19.91	19.90				
10	16QAM	25	12	19.75	19.83	19.80				
10	16QAM	25	24	19.76	19.96	19.74				
10	16QAM	50	0	19.82	19.90	19.86				
10	256QAM	1	0	17.85	17.85	17.85				
10	256QAM	1	25	17.72	17.78	17.75				
10	256QAM	1	49	17.77	17.81	17.79				
10	256QAM	25	0	17.60	17.65	17.68				
10	256QAM	25	12	17.68	17.82	17.77				
10	256QAM	25	24	17.67	17.80	17.77				
10	256QAM	25	50	17.77	17.79	17.65				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.81	22.85	22.78				
5	QPSK	1	12	22.78	22.84	22.74				
5	QPSK	1	24	22.86	22.88	22.68				
5	QPSK	12	0	21.84	21.97	21.87				
5	QPSK	12	7	21.75	21.92	21.80				
5	QPSK	12	13	21.73	21.92	21.80				
5	QPSK	24	0	21.86	21.87	21.78				
5	16QAM	1	0	21.81	21.86	21.79				
5	16QAM	1	12	21.78	21.80	21.72				
5	16QAM	1	24	21.73	21.83	21.68				
5	16QAM	12	0	20.83	20.90	20.92				
5	16QAM	12	7	20.85	20.96	20.83				
5	16QAM	12	13	20.86	20.97	20.87				
5	16QAM	25	0	20.85	20.91	20.80				
5	16QAM	1	0	20.70	20.87	20.88				
5	16QAM	1	12	20.76	20.82	20.77				
5	16QAM	1	24	20.74	20.71	20.80				
5	16QAM	12	0	19.94	19.93	19.90				
5	16QAM	12	7	19.75	19.91	19.80				
5	16QAM	12	13	19.74	19.90	19.78				
5	16QAM	25	0	19.86	19.94	19.88				
5	256QAM	1	0	17.60	17.61	17.59				
5	256QAM	1	12	17.70	17.84	17.72				
5	256QAM	1	24	17.77	17.84	17.73				
5	256QAM	12	0	17.67	17.69	17.61				
5	256QAM	12	7	17.73	17.87	17.80				
5	256QAM	12	13	17.76	17.80	17.73				
5	256QAM	25	0	17.60	17.77	17.65				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	22.85	22.85	22.78				
1.4	QPSK	1	8	22.72	22.85	22.72				
1.4	QPSK	1	14	22.76	22.87	22.76				
1.4	QPSK	8	0	21.80	21.96	21.80				
1.4	QPSK	8	4	21.73	21.85	21.82				
1.4	QPSK	8	7	21.79	21.85	21.74				
1.4	QPSK	15	0	21.66	21.89	21.79				
1.4	16QAM	1	0	21.70	21.86	21.80				
1.4	16QAM	1	8	21.72	21.83	21.72				
1.4	16QAM	1	14	21.66	21.85	21.74				
1.4	16QAM	8	0	20.90	20.90	20.98				
1.4	16QAM	8	4	20.74	20.97	20.83				
1.4	16QAM	1	0	20.86	20.91	20.87				
1.4	16QAM	1	14	20.74	20.88	20.81				
1.4	16QAM	1	0	20.71	20.91	20.86				
1.4	16QAM	8	0	20.86	20.73	20.87				
1.4	16QAM	1	14	20.76	20.71	20.71				
1.4	16QAM	8	0	19.87	19.94	19.77				
1.4	16QAM	8	4	19.88	19.84	19.77				
1.4	16QAM	8	7	19.76	19.96	19.75				
1.4	256QAM	1	0	17.68	17.68	17.68				
1.4	256QAM	1	8	17.68	17.77	17.83				
1.4	256QAM	1	14	17.74	17.78	17.74				
1.4	256QAM	8	0	17.64						

Band 7 Ant 1												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Med Ch / Freq.	Power High Ch / Freq.	Turn-up Int. (dB)	MFR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	23.41	23.47	23.39			24.5	0		
20	QPSK	1	40	23.38	23.43	23.31						
20	QPSK	1	80	23.36	23.41	23.26			23.5	1		
20	QPSK	50	0	22.41	22.52	22.38						
20	QPSK	50	24	22.40	22.37	22.27			23.5	1		
20	QPSK	50	50	22.34	22.37	22.26						
20	QPSK	100	0	22.44	22.49	22.36			23.5	1		
20	HQAM	1	0	22.41	22.44	22.38						
20	HQAM	1	40	22.41	22.43	22.29			22.5	2		
20	HQAM	1	80	22.35	22.46	22.32						
20	HQAM	50	0	21.45	21.51	21.38			22.5	2		
20	HQAM	50	24	21.44	21.41	21.26						
20	HQAM	50	50	21.36	21.40	21.21			21.5	3		
20	HQAM	100	0	21.45	21.51	21.31						
20	HQAM	1	0	21.46	21.38	21.42			22.5	2		
20	HQAM	1	40	21.38	21.47	21.36						
20	HQAM	1	80	21.30	21.43	21.33			21.5	3		
20	HQAM	50	0	20.36	20.54	20.45						
20	HQAM	50	24	20.38	20.53	20.33			21.5	3		
20	HQAM	50	50	20.37	20.41	20.22						
20	HQAM	100	0	20.44	20.44	20.41			19.5	5		
20	HQAM	1	0	18.41	18.53	18.35						
20	25QAM	1	40	18.43	18.32	18.28			19.5	5		
20	25QAM	1	80	18.28	18.40	18.26						
20	25QAM	50	0	18.47	18.52	18.35			19.5	5		
20	25QAM	50	24	18.42	18.48	18.34						
20	25QAM	50	50	18.36	18.40	18.29			19.5	5		
20	25QAM	100	0	18.38	18.40	18.29						
Channel												
Frequency (MHz)												
15	QPSK	1	0	23.33	23.34	23.26			24.5	0		
15	QPSK	1	37	23.30	23.34	23.28						
15	QPSK	1	74	23.24	23.35	23.14			23.5	1		
15	QPSK	36	0	22.31	22.27	22.21						
15	QPSK	36	36	22.29	22.30	22.24			23.5	1		
15	QPSK	75	0	22.27	22.39	22.30						
15	HQAM	1	0	22.27	22.39	22.30			23.5	1		
15	HQAM	1	37	22.28	22.40	22.17						
15	HQAM	1	74	22.22	22.34	22.21			22.5	2		
15	HQAM	36	0	21.33	21.44	21.31						
15	HQAM	36	20	21.40	21.37	21.25			21.5	3		
15	HQAM	36	56	21.37	21.37	21.22						
15	HQAM	75	0	21.41	21.40	21.19			22.5	2		
15	HQAM	1	0	21.36	21.25	21.34						
15	HQAM	1	37	21.35	21.35	21.26			21.5	3		
15	HQAM	1	74	21.23	21.35	21.22						
15	HQAM	36	0	20.28	20.40	20.31			19.5	5		
15	HQAM	36	20	20.31	20.23	20.15						
15	HQAM	36	56	20.32	20.34	20.12			19.5	5		
15	HQAM	75	0	20.35	20.42	20.39						
15	25QAM	1	0	18.30	18.36	18.26			20.5	5		
15	25QAM	1	37	18.30	18.19	18.17						
15	25QAM	1	74	18.18	18.31	18.19			19.5	5		
15	25QAM	36	0	18.34	18.46	18.26						
15	25QAM	36	20	18.28	18.37	18.25			20.5	5		
15	25QAM	36	56	18.31	18.32	18.23						
15	25QAM	75	0	18.31	18.31	18.18			20.5	5		
15	25QAM	1	0	18.25	18.35	18.18						
Channel												
Frequency (MHz)												
10	QPSK	1	0	23.36	23.42	23.36			24.5	0		
10	QPSK	1	35	23.23	23.40	23.28						
10	QPSK	1	40	23.27	23.36	23.16			23.5	1		
10	QPSK	1	80	23.22	23.39	23.12						
10	QPSK	25	12	22.27	22.28	22.13			23.5	1		
10	QPSK	25	25	22.28	22.26	22.19						
10	QPSK	50	0	22.30	22.39	22.26			23.5	1		
10	HQAM	1	0	22.34	22.41	22.25						
10	HQAM	1	25	22.29	22.30	22.18			22.5	2		
10	HQAM	1	50	22.32	22.37	22.23						
10	HQAM	25	0	21.33	21.43	21.34			22.5	2		
10	HQAM	25	12	21.36	21.29	21.22						
10	HQAM	25	25	21.16	21.15	21.15			21.5	3		
10	HQAM	50	0	21.34	21.45	21.28						
10	HQAM	1	0	21.39	21.36	21.36			22.5	2		
10	HQAM	1	35	21.32	21.37	21.24						
10	HQAM	1	40	21.23	21.30	21.29			21.5	3		
10	HQAM	25	0	20.31	20.41	20.30						
10	HQAM	25	10	20.26	20.26	20.24			19.5	5		
10	HQAM	25	25	20.25	20.36	20.08						
10	HQAM	50	0	20.37	20.38	20.35			19.5	5		
10	25QAM	1	0	18.30	18.44	18.25						
10	25QAM	1	25	18.36	18.30	18.21			19.5	5		
10	25QAM	1	40	18.21	18.29	18.13						
10	25QAM	25	0	18.25	18.50	18.18			19.5	5		
10	25QAM	25	12	18.37	18.44	18.26						
10	25QAM	25	25	18.25	18.35	18.21			20.5	5		
10	25QAM	50	0	18.20	18.37	18.18						
Channel												
Frequency (MHz)												
5	QPSK	1	0	23.36	23.42	23.36			24.5	0		
5	QPSK	1	12	23.23	23.32	23.29						
5	QPSK	1	24	23.33	23.27	23.13			23.5	1		
5	QPSK	12	0	22.29	22.44	22.28						
5	QPSK	12	7	22.33	22.27	22.15			23.5	1		
5	QPSK	12	13	22.23	22.30	22.24						
5	QPSK	24	0	22.31	22.44	22.27			23.5	1		
5	HQAM	1	0	22.33	22.35	22.25						
5	HQAM	1	12	22.36	22.32	22.26			22.5	2		
5	HQAM	1	24	22.30	22.44	22.27						
5	HQAM	12	0	21.30	21.38	21.32			22.5	2		
5	HQAM	12	7	21.33	21.30	21.23						
5	HQAM	12	13	21.18	21.32	21.11			21.5	3		
5	HQAM	25	0	21.40	21.41	21.22						
5	HQAM	1	0	21.36	21.25	21.37			22.5	2		
5	HQAM	1	10	21.31	21.43	21.21						
5	HQAM	1	24	21.25	21.29	21.24			21.5	3		
5	HQAM	12	0	20.29	20.51	20.38						
5	HQAM	12	7	20.29	20.25	20.24			19.5	5		
5	HQAM	12	13	20.20	20.38	20.17						
5	HQAM	25	0	20.34	20.37	20.32			19.5	5		
5	25QAM	1	0	18.29	18.44	18.31						
5	25QAM	1	12	18.33	18.27	18.16			20.5	5		
5	25QAM	1	24	18.20	18.27	18.16						
5	25QAM	12	0	18.30	18.39	18.20			20.5	5		
5	25QAM	12	7	18.33	18.37	18.21						
5	25QAM	12	13	18.29	18.34	18.24			20.5	5		
5	25QAM	25	0	18.23	18.38	18.17						

Band 12 Ant 1												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Med Ch / Freq.	Power High Ch / Freq.	Turn-up Int. (dB)	Margin (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0	24.29	24.45	24.37			25.5	0		

Band 17 Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up Int. (dB)	MPE (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	24.36	24.37	24.38			
15	QPSK	25	0	24.20	24.35	24.15	25.5	0	
10	QPSK	1	49	24.22	24.23	24.18			
10	QPSK	25	0	23.34	23.35	23.36			
15	QPSK	25	12	23.28	23.34	23.17	24.5	1	
10	QPSK	25	25	23.26	23.25	23.07			
10	QPSK	50	0	23.29	23.34	23.36			
15	HQAM	1	0	23.25	23.32	23.27			
10	HQAM	1	25	23.26	23.30	23.18	24.5	1	
10	HQAM	1	49	23.24	23.22	23.12			
15	HQAM	25	0	22.34	22.28	22.30			
10	HQAM	25	12	22.28	22.30	22.18	23.5	2	
10	HQAM	25	25	22.26	22.31	22.17			
10	HQAM	50	0	22.16	22.30	22.22			
10	HQAM	1	0	22.33	22.36	22.29			
10	HQAM	1	25	22.26	22.30	22.23	23.5	2	
10	HQAM	1	49	22.24	22.14	22.05			
10	HQAM	25	0	21.27	21.45	21.31			
10	HQAM	25	12	21.23	21.34	21.21	22.5	3	
10	HQAM	25	25	21.24	21.28	21.13			
10	HQAM	50	0	21.19	21.33	21.27			
10	25SQAM	1	0	19.30	19.33	19.30			
10	25SQAM	1	25	19.25	19.36	19.18	20.5	5	
10	25SQAM	1	49	19.30	19.30	19.17			
10	25SQAM	25	0	19.27	19.32	19.28			
10	25SQAM	25	12	19.30	19.36	19.24	20.5	5	
10	25SQAM	25	25	19.35	19.35	19.12			
10	25SQAM	50	0	19.23	19.27	19.23			
Channel									
Frequency (MHz)									
5	QPSK	1	0	24.30	24.23	24.26			
5	QPSK	1	12	24.26	24.29	24.18	25.5	0	
5	QPSK	1	24	24.20	24.21	24.05			
5	QPSK	12	0	23.20	23.33	23.26			
5	QPSK	12	7	23.23	23.24	23.05	24.5	1	
5	QPSK	12	13	23.18	23.19	22.84			
5	QPSK	25	0	23.25	23.25	23.07			
5	HQAM	1	0	23.21	23.28	23.18			
5	HQAM	1	12	23.20	23.17	23.15	24.5	1	
5	HQAM	12	7	22.24	22.24	22.11			
5	HQAM	12	13	22.24	22.24	22.11	23.5	2	
5	HQAM	25	0	22.09	22.38	22.11			
5	HQAM	1	0	22.17	22.28	22.12			
5	HQAM	1	24	22.15	22.10	21.95	23.5	2	
5	HQAM	12	0	21.24	21.36	21.25			
5	HQAM	12	7	21.16	21.32	21.15	22.5	3	
5	HQAM	12	13	21.10	21.14	21.03			
5	HQAM	25	0	21.09	21.25	21.17			
5	25SQAM	1	0	19.30	19.36	19.32			
5	25SQAM	1	12	19.23	19.28	19.35	20.5	5	
5	25SQAM	1	24	19.21	19.18	19.06			
5	25SQAM	12	0	19.16	19.16	19.12			
5	25SQAM	12	7	19.19	19.34	19.19	20.5	5	
5	25SQAM	12	13	19.32	19.29	19.04			
5	25SQAM	25	0	19.17	19.21	19.17			

Band 26 Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up Int. (dB)	MPE (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	0	24.38	24.41	24.39			
15	QPSK	1	37	24.24	24.35	24.30	25.5	0	
15	QPSK	1	74	24.30	24.35	24.22			
15	QPSK	36	0	23.41	23.48	23.36			
15	QPSK	36	12	23.20	23.34	23.36	24.5	1	
15	QPSK	36	39	23.27	23.39	23.26			
15	QPSK	75	0	23.41	23.34	23.36			
15	HQAM	1	0	23.38	23.42	23.35			
15	HQAM	1	37	23.31	23.28	23.35	24.5	1	
15	HQAM	1	74	23.25	23.32	23.28			
15	HQAM	36	0	22.38	22.37	22.39			
15	HQAM	36	20	22.26	22.37	22.34	23.5	2	
15	HQAM	36	59	22.52	22.39	22.15			
15	HQAM	1	0	22.27	22.30	22.46			
15	HQAM	1	0	22.39	22.38	22.25	23.5	2	
15	HQAM	1	37	22.27	22.33	22.30			
15	HQAM	1	74	22.39	22.27	22.37	23.5	2	
15	HQAM	36	0	21.39	21.42	21.44			
15	HQAM	36	20	21.19	21.25	21.45	22.5	3	
15	HQAM	36	59	21.20	21.45	21.25			
15	HQAM	75	0	21.35	21.31	21.30			
15	25SQAM	1	0	19.39	19.43	19.45			
15	25SQAM	1	37	19.24	19.29	19.35	20.5	5	
15	25SQAM	1	74	19.26	19.39	19.24			
15	25SQAM	36	0	19.33	19.37	19.40			
15	25SQAM	36	20	19.37	19.37	19.40	20.5	5	
15	25SQAM	36	59	19.46	19.28	19.29			
15	25SQAM	75	0	19.23	19.29	19.12			
Channel									
Frequency (MHz)									
10	QPSK	1	0	24.24	24.30	24.34			
10	QPSK	1	25	24.12	24.24	24.36	25.5	0	
10	QPSK	1	49	24.23	24.29	24.17			
10	QPSK	25	0	23.31	23.42	23.22			
10	QPSK	25	12	23.17	23.23	23.31	24.5	1	
10	QPSK	25	25	23.14	23.29	23.13			
10	HQAM	1	0	23.35	23.22	23.29			
10	HQAM	1	25	23.26	23.38	23.31	24.5	1	
10	HQAM	1	25	23.24	23.23	23.27			
10	HQAM	1	49	23.27	23.26	23.25			
10	HQAM	25	0	22.32	22.33	22.36			
10	HQAM	25	12	22.18	22.29	22.30	23.5	2	
10	HQAM	25	25	22.26	22.29	22.35			
10	HQAM	50	0	22.18	22.20	22.38			
10	HQAM	1	0	22.35	22.33	22.14	23.5	2	
10	HQAM	1	25	22.32	22.35	22.35			
10	HQAM	1	49	22.23	22.10	22.25			
10	HQAM	25	0	21.30	21.40	21.34	22.5	3	
10	HQAM	25	12	21.16	21.16	21.36			
10	HQAM	25	25	21.15	21.43	21.25			
10	HQAM	50	0	21.22	21.20	21.16			
10	25SQAM	1	0	19.33	19.38	19.34			
10	25SQAM	1	25	19.20	19.20	19.25	20.5	5	
10	25SQAM	1	49	19.18	19.35	19.10			
10	25SQAM	12	0	19.36	19.31	19.25			
10	25SQAM	12	12	19.25	19.29	19.35	20.5	5	
10	25SQAM	12	13	19.35	19.14	19.23			
10	25SQAM	25	0	19.32	19.15	19.12			
10	25SQAM	50	0	19.23	19.20	19.12			
Channel									
Frequency (MHz)									
5	QPSK	1	0	24.01	24.04	24.03			
5	QPSK	1	12	24.20	24.32	24.35	25.5	0	
5	QPSK	1	24	24.17	24.30	24.12			
5	QPSK	12	0	23.27	23.40	23.32			
5	QPSK	12	7	23.13	23.22	23.30	24.5	1	
5	QPSK	12	13	23.20	23.31	23.12			
5	QPSK	25	0	23.28	23.24	23.31			
5	HQAM	1	0	23.29	23.40	23.25			
5	HQAM	1	12	23.22	23.18	23.21	24.5	1	
5	HQAM	12	7	22.32	22.36	22.35			
5	HQAM	12	13	22.31	22.28	22.29	23.5	2	
5	HQAM	25	0	22.17	22.22	22.38			
5	HQAM	1	0	22.35	22.31	22.19	23.5	2	
5	HQAM	1	12	22.18	22.25	22.30			
5	HQAM	1	24	22.21	22.14	22.25			
5	HQAM	12	0	21.27	21.34	21.38			
5	HQAM	12	7	21.27	21.20	21.26	22.5	3	
5	HQAM	12	13	21.07	21.39	21.26			
5	HQAM	25	0	21.27	21.24	21.25			
5	25SQAM	1	0	19.33	19.33	19.35			
5	25SQAM	1	12	19.20	19.24	19.22	20.5	5	
5	25SQAM	1	24	19.23	19.31	19.25			
5	25SQAM	12	0	19.33	19.31	19.25			
5	25SQAM	12	7	19.27	19.24	19.33	20.5	5	
5	25SQAM	12	13	19.35	19.14	19.23			
5	25SQAM	25	0	19.32	19.15	19.14			
Channel									
Frequency (MHz)									
3	QPSK	1	0	24.13	24.19	24.23			
3	QPSK	1	8	24.14	24.23	24.28	25.5	0	
3	QPSK	1	14	24.17	24.27	24.14			
3	QPSK	8	0	23.38	23.39	23.35			
3	QPSK	8	4	23.14	23.31	23.32	24.5	1	
3	QPSK	8	7	23.13	23.34	23.12			
3	HQAM	1	0	23.31	23.33	23.31			
3	HQAM	1	8	23.38	23.37	23.31	24.5	1	
3	HQAM	1	14	23.38	23.34	23.34			
3	HQAM	8	0	22.27	22.27	22.27			
3	HQAM	8	4	22.27	22.27	22.27	23.5	2	
3	HQAM	8	7	22.22	22.33	22.20			
3	HQAM	15	0	21.19	22.22	22.43			
3	HQAM	8	0	21.19	22.22	22.18	23.5	2	
3	HQAM	8	8	22.16	22.15	22.15			
3	HQAM	14	22	22.27	22.24	22.23			
3	HQAM	8	0	21.28	21.38	21.26	22.5	3	
3	HQAM	8	4	21.16	21.38	21.25			
3	HQAM	8	7	21.13	21.38	21.21			
3	HQAM	15	0	20.26	20.32	20.32	20.5	5	
3	HQAM	8	0	19.18	19.18	19.34			
3	HQAM	8	8	19.18	19.18	19.34			
3	HQAM	8	14	19.27	19.27	19.27			
3	HQAM	8	19	19.32	19.32	19.32			
3	HQAM	8	4	19.28	19.24	19.38	20.5	5	
3	HQAM	8	7	19.28	19.28	19.28			
3	HQAM	15	0	19.22	19.25	19.18			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	24.20	24.33	24.26			
1.4	QPSK	1	3	24.14	24.31	24.20	25.5	0	
1.4	QPSK	1	5	24.22	24.29	24.20			
1.4	QPSK	1	10	24.24	24.24	24.24			
1.4	QPSK	3	0	24.05	24.19	24.10			
1.4	QPSK	3	3	24.17	24.14	24.10	24.5	1	
1.4	QPSK	3	6	24.18	24.18	24.18			
1.4	HQAM	1	0	23.25	23.35	23.30			
1.4	HQAM	1	3	23.19	23.29	23.23	24.5	1	
1.4	HQAM	1	5	23.21	23.23	23.23			
1.4	HQAM	1	10	23.15	23.21	23.17			
1.4	HQAM	3	0	23.32	23.29	23.17			
1.4	HQAM	3	3	23.22	23.22	23.24	23.5	2	
1.4	HQAM	3	6	23.20	23.20	23.12			
1.4	HQAM	6	0	22.21	22.25	22.17			
1.4	HQAM	3	0	22.28	22.18	22.24	23.5	2	
1.4	HQAM	3	3	22.14	22.24	22.29			
1.4	HQAM	3	6	22.27	22.24	22.24	22.5	3	
1.4	HQAM	6	0	21.27	21.37	21.37			
1.4	HQAM	6	3	21.38	21.15	21.25	20.5	5	
1.4	HQAM	6	6	21.31	21.31	21.31			
1.4	HQAM	6	9	19.34	19.37	19.25			
1.4	HQAM	3	0	19.25	19.30	19.31			
1.4	HQAM	3	3	19.27	19.28	19.28			
1.4	HQAM	6	0	19.25	19.21	19.11	20.5	5	

GSM850 Ant 4		Burst Average Power (dBm)			Frame Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	251	512	661	251	
Frequency (MHz)		824.2	836.4	848.8	824.2	836.4	848.8	
GSM 1 Tx slot	32.40	32.46	32.45	33.50	23.40	23.46	23.45	24.50
GPRS 1 Tx slot	32.40	32.41	32.38	33.50	23.40	23.41	23.38	24.50
GPRS 2 Tx slots	31.45	31.36	31.31	32.50	25.45	25.36	25.31	26.50
GPRS 3 Tx slots	29.67	29.61	29.61	31.00	25.41	25.35	25.35	26.74
GPRS 4 Tx slots	28.73	28.79	28.68	30.00	25.73	25.79	25.68	27.00
EDGE 1 Tx slot	26.86	26.93	26.89	28.00	17.86	17.93	17.89	19.00
EDGE 2 Tx slots	23.82	23.96	23.90	25.00	17.82	17.96	17.90	19.00
EDGE 3 Tx slots	22.08	22.11	22.07	23.20	17.82	17.85	17.81	18.94
EDGE 4 Tx slots	20.89	20.95	20.84	22.00	17.89	17.93	17.84	18.00

GSM1900 Ant 4		Burst Average Power (dBm)			Frame Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810	512	661	810	
Frequency (MHz)		1850.2	1860	1909.8	1850.2	1860	1909.8	
GSM 1 Tx slot	28.42	28.54	28.51	29.50	19.42	19.54	19.51	20.50
GPRS 1 Tx slot	28.38	28.50	28.45	29.50	19.38	19.50	19.46	20.50
GPRS 2 Tx slots	27.64	27.59	27.73	28.50	21.64	21.59	21.73	22.50
GPRS 3 Tx slots	26.83	25.83	25.95	27.00	21.57	21.57	21.69	22.74
GPRS 4 Tx slots	24.80	24.85	24.87	26.00	21.80	21.89	21.87	23.00
EDGE 1 Tx slot	24.82	24.87	24.83	26.00	15.82	15.87	15.83	17.00
EDGE 2 Tx slots	21.81	21.92	21.79	23.00	15.81	15.92	15.79	17.00
EDGE 3 Tx slots	20.03	20.07	20.02	21.20	15.77	15.81	15.76	16.94
EDGE 4 Tx slots	18.88	18.87	18.87	20.00	15.88	15.87	15.87	17.00

Band		WCDMA II Ant 4			WCDMA IV Ant 4			WCDMA V Ant 4			Tune-up Limit (dBm)
TX Channel		9262	9400	9538	1312	1413	1513	4152	4182	4233	
Rx Channel		8602	8690	8938	1637	1638	1728	4387	4407	4458	
Frequency (MHz)		1852.4	1880	1907.8	1712.4	1732.6	1752.8	826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	22.51	22.53	22.45	23.50	23.67	23.80	23.70	24.31	24.44	24.29
3GPP Rel 99	RM-C 12.2Kbps	22.58	22.69	22.57	23.50	23.77	23.94	23.72	24.50	24.45	24.41
3GPP Rel 6	HSDPA Subtest-1	21.52	21.66	21.61	22.50	22.76	22.84	22.68	23.50	23.48	23.39
3GPP Rel 6	HSDPA Subtest-2	21.56	21.64	21.59	22.50	22.74	22.88	22.74	23.50	23.50	23.49
3GPP Rel 6	HSDPA Subtest-3	21.08	21.21	21.02	22.00	22.28	22.34	22.27	23.00	22.92	23.04
3GPP Rel 6	HSDPA Subtest-4	21.06	21.11	21.09	22.00	22.21	22.32	22.27	23.00	22.91	22.99
3GPP Rel 6	DCHSDPA Subtest-1	21.60	21.62	21.56	22.50	22.76	22.84	22.68	23.50	23.40	23.44
3GPP Rel 6	DCHSDPA Subtest-2	21.53	21.62	21.61	22.50	22.83	22.88	22.76	23.50	23.46	23.45
3GPP Rel 6	DCHSDPA Subtest-3	21.04	21.22	21.02	22.00	22.24	22.31	22.21	23.00	23.00	22.94
3GPP Rel 6	DCHSDPA Subtest-4	21.10	21.13	21.08	22.00	22.30	22.35	22.20	23.00	22.99	22.95
3GPP Rel 6	HSPA Subtest-1	21.62	21.71	21.56	22.50	22.80	22.83	22.75	23.50	23.49	23.44
3GPP Rel 6	HSPA Subtest-2	19.57	19.72	19.55	20.50	20.73	20.81	20.71	21.50	21.44	21.44
3GPP Rel 6	HSPA Subtest-3	20.59	20.66	20.55	21.50	21.78	21.88	21.67	22.50	22.48	22.53
3GPP Rel 6	HSPA Subtest-4	19.60	19.70	19.57	20.50	20.83	20.90	20.77	21.50	21.50	21.49
3GPP Rel 6	HSPA Subtest-5	21.56	21.71	21.60	22.50	22.73	22.81	22.76	23.50	23.44	23.41
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.09	19.14	19.06	20.00	20.23	20.32	20.23	21.00	20.93	21.04

Band 7 Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				20890	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	23.68	23.75	23.66	24.5	0	
20	QPSK	1	49	23.56	23.71	23.63			
20	QPSK	1	99	23.61	23.66	23.57			
20	QPSK	50	0	22.69	22.76	22.71	23.5	1	
20	QPSK	50	24	22.56	22.68	22.63			
20	QPSK	50	50	22.62	22.64	22.62			
20	QPSK	100	0	22.63	22.75	22.64	23.5	1	
20	16QAM	1	0	22.64	22.73	22.69			
20	16QAM	1	49	22.50	22.73	22.62			
20	16QAM	1	99	22.59	22.69	22.58	22.5	2	
20	16QAM	50	0	21.69	21.80	21.67			
20	16QAM	50	24	21.58	21.66	21.67			
20	16QAM	50	50	21.60	21.64	21.58	22.5	2	
20	16QAM	100	0	21.62	21.80	21.60			
20	64QAM	1	0	21.67	21.79	21.65			
20	64QAM	1	49	21.52	21.78	21.63	22.5	2	
20	64QAM	1	99	21.57	21.72	21.61			
20	64QAM	50	0	20.71	20.75	20.74			
20	64QAM	50	24	20.51	20.74	20.67	21.5	3	
20	64QAM	50	50	20.65	20.59	20.64			
20	64QAM	100	0	20.59	20.73	20.66			
20	256QAM	1	0	18.73	18.72	18.68	19.5	5	
20	256QAM	1	49	18.55	18.66	18.67			
20	256QAM	1	99	18.59	18.65	18.62			
20	256QAM	50	0	18.67	18.70	18.64	19.5	5	
20	256QAM	50	24	18.64	18.71	18.74			
20	256QAM	50	50	18.46	18.77	18.67			
20	256QAM	100	0	18.56	18.71	18.58			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2567.5			
15	QPSK	1	0	23.56	23.63	23.57	24.5	0	
15	QPSK	1	37	23.48	23.58	23.53			
15	QPSK	1	74	23.54	23.54	23.48			
15	QPSK	36	0	22.67	22.66	22.61	23.5	1	
15	QPSK	36	20	22.50	22.57	22.51			
15	QPSK	36	39	22.53	22.57	22.49			
15	QPSK	75	0	22.55	22.65	22.59	23.5	1	
15	16QAM	1	0	22.56	22.69	22.63			
15	16QAM	1	37	22.42	22.65	22.55			
15	16QAM	1	74	22.46	22.65	22.53	22.5	2	
15	16QAM	36	0	21.60	21.74	21.57			
15	16QAM	36	20	21.56	21.63	21.56			
15	16QAM	36	39	21.47	21.61	21.44	22.5	2	
15	16QAM	75	0	21.52	21.76	21.50			
15	64QAM	1	0	21.61	21.71	21.59			
15	64QAM	1	37	21.49	21.68	21.58	22.5	2	
15	64QAM	1	74	21.46	21.65	21.47			
15	64QAM	36	0	20.62	20.69	20.72			
15	64QAM	36	20	20.48	20.63	20.54	21.5	3	
15	64QAM	36	39	20.54	20.49	20.53			
15	64QAM	75	0	20.49	20.64	20.60			
15	256QAM	1	0	18.60	18.70	18.62	19.5	5	
15	256QAM	1	37	18.45	18.58	18.57			
15	256QAM	1	74	18.55	18.63	18.51			
15	256QAM	36	0	18.65	18.61	18.61	19.5	5	
15	256QAM	36	20	18.51	18.57	18.69			
15	256QAM	36	39	18.41	18.67	18.61			
15	256QAM	75	0	18.46	18.61	18.49			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	23.57	23.71	23.52	24.5	0	
10	QPSK	1	25	23.48	23.63	23.52			
10	QPSK	1	49	23.56	23.62	23.44			
10	QPSK	25	0	22.62	22.65	22.60	23.5	1	
10	QPSK	25	12	22.54	22.64	22.59			
10	QPSK	25	25	22.56	22.52	22.58			
10	QPSK	50	0	22.56	22.69	22.62	23.5	1	
10	16QAM	1	0	22.52	22.60	22.66			
10	16QAM	1	25	22.39	22.65	22.57			
10	16QAM	1	49	22.54	22.67	22.49	22.5	2	
10	16QAM	25	0	21.60	21.73	21.60			
10	16QAM	25	12	21.48	21.57	21.64			
10	16QAM	25	25	21.57	21.57	21.55	22.5	2	
10	16QAM	50	0	21.52	21.78	21.48			
10	64QAM	1	0	21.54	21.67	21.60			
10	64QAM	1	25	21.49	21.74	21.59	22.5	2	
10	64QAM	1	49	21.43	21.63	21.57			
10	64QAM	25	0	20.68	20.73	20.70			
10	64QAM	25	12	20.39	20.61	20.64	21.5	3	
10	64QAM	25	25	20.58	20.47	20.61			
10	64QAM	50	0	20.47	20.64	20.62			
10	256QAM	1	0	18.71	18.62	18.59	19.5	5	
10	256QAM	1	25	18.53	18.56	18.64			
10	256QAM	1	49	18.47	18.54	18.48			
10	256QAM	25	0	18.55	18.58	18.62	19.5	5	
10	256QAM	25	12	18.62	18.68	18.69			
10	256QAM	25	25	18.44	18.65	18.54			
10	256QAM	50	0	18.49	18.69	18.51			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	23.65	23.72	23.61	24.5	0	
5	QPSK	1	12	23.48	23.67	23.51			
5	QPSK	1	24	23.54	23.61	23.44			
5	QPSK	12	0	22.59	22.65	22.67	23.5	1	
5	QPSK	12	7	22.46	22.56	22.57			
5	QPSK	12	13	22.53	22.57	22.50			
5	QPSK	25	0	22.53	22.62	22.61	23.5	1	
5	16QAM	1	0	22.56	22.61	22.65			
5	16QAM	1	12	22.41	22.61	22.56			
5	16QAM	1	24	22.47	22.56	22.46	22.5	2	
5	16QAM	12	0	21.60	21.71	21.64			
5	16QAM	12	7	21.45	21.53	21.59			
5	16QAM	12	13	21.55	21.61	21.55	22.5	2	
5	16QAM	25	0	21.49	21.72	21.47			
5	64QAM	1	0	21.63	21.66	21.53			
5	64QAM	1	12	21.40	21.71	21.53	22.5	2	
5	64QAM	1	24	21.50	21.61	21.53			
5	64QAM	12	0	20.57	20.73	20.70			
5	64QAM	12	7	20.40	20.64	20.54	21.5	3	
5	64QAM	12	13	20.53	20.47	20.51			
5	64QAM	25	0	20.54	20.70	20.63			
5	256QAM	1	0	18.71	18.65	18.62	19.5	5	
5	256QAM	1	12	18.62	18.55	18.57			
5	256QAM	1	24	18.54	18.63	18.53			
5	256QAM	12	0	18.62	18.65	18.59	19.5	5	
5	256QAM	12	7	18.50	18.64	18.65			
5	256QAM	12	13	18.34	18.74	18.63			
5	256QAM	25	0	18.46	18.60	18.47			

Band 2 Ant 4												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Med Ch / Freq.	Power High Ch / Freq.	Turn-up time (sec)	MPE (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	22.08	22.13	21.97	23	0				
20	QPSK	1	49	22.07	22.10	21.85						
20	QPSK	1	99	22.03	22.09	21.83	22	1				
20	QPSK	50	0	21.06	21.08	21.02						
20	QPSK	50	24	21.04	21.09	21.04	22	1				
20	QPSK	50	50	21.02	21.06	20.97						
20	QPSK	100	0	20.98	21.08	20.95	22	1				
20	QPSK	100	24	21.05	21.17	20.95						
20	16QAM	1	99	21.07	21.06	20.87	21	2				
20	16QAM	1	0	20.92	20.95	20.97						
20	16QAM	50	24	20.99	20.94	20.98	20	3				
20	16QAM	50	50	19.98	20.03	19.93						
20	16QAM	100	0	20.95	20.96	20.95	21	2				
20	16QAM	1	0	20.96	20.14	19.95						
20	16QAM	1	49	20.11	20.12	19.98	21	2				
20	16QAM	1	99	20.02	20.15	19.96						
20	16QAM	50	24	19.92	19.96	19.97	20	3				
20	16QAM	50	50	19.99	19.93	19.93						
20	16QAM	100	0	19.98	19.97	19.99	18	5				
20	16QAM	1	0	17.14	17.15	16.98						
20	16QAM	1	49	17.05	17.07	16.93	18	5				
20	256QAM	1	99	16.99	17.07	16.96						
20	256QAM	50	24	17.04	17.12	16.94	20	3				
20	256QAM	50	50	16.98	17.06	16.94						
20	256QAM	100	0	17.03	17.11	16.99	20	3				
Channel												
Frequency (MHz)												
15	QPSK	1	0	21.98	22.12	21.97			23	0		
15	QPSK	1	37	22.02	21.99	21.83						
15	QPSK	1	74	22.00	22.09	21.83	22	1				
15	QPSK	36	0	21.04	20.98	20.98						
15	QPSK	36	24	21.00	21.04	20.91	23	1				
15	QPSK	36	36	20.93	21.09	20.93						
15	QPSK	75	0	20.91	20.97	20.92	22	1				
15	QPSK	75	0	21.03	21.16	20.93						
15	16QAM	1	37	21.03	21.19	20.93	22	1				
15	16QAM	1	0	21.04	21.15	20.92						
15	16QAM	36	20	19.90	20.93	19.95	21	2				
15	16QAM	36	20	19.97	19.92	19.84						
15	16QAM	36	39	19.95	19.93	19.92	20	3				
15	16QAM	75	0	18.99	19.93	18.98						
15	16QAM	75	0	18.99	19.93	18.98	18	5				
15	256QAM	1	37	17.04	16.97	16.78						
15	256QAM	1	74	16.97	17.04	16.94	18	5				
15	256QAM	36	0	16.96	17.02	16.98						
15	256QAM	36	20	16.95	17.02	16.78	18	5				
15	256QAM	36	39	16.92	16.94	16.88						
15	256QAM	75	0	17.02	17.03	16.94	20	3				
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.02	22.10	21.86			23	0		
10	QPSK	1	25	22.07	22.09	21.79						
10	QPSK	1	49	21.98	22.09	21.86	22	1				
10	QPSK	25	0	21.02	21.02	20.96						
10	QPSK	25	12	21.01	21.06	20.93	23	1				
10	QPSK	25	25	20.93	21.03	20.93						
10	QPSK	50	0	20.97	21.02	20.92	22	1				
10	QPSK	50	24	21.00	21.08	20.90						
10	16QAM	1	0	21.00	21.08	20.90	21	2				
10	16QAM	1	25	21.08	21.03	20.82						
10	16QAM	1	49	21.01	21.03	20.78	21	2				
10	16QAM	25	0	19.91	20.09	19.91						
10	16QAM	25	12	19.96	20.02	19.88	20	3				
10	16QAM	25	25	19.96	20.02	19.88						
10	16QAM	50	0	19.94	19.96	19.94	21	2				
10	16QAM	50	0	19.97	20.09	19.91						
10	16QAM	1	0	20.01	20.04	19.98	20	3				
10	16QAM	1	49	19.95	20.10	19.93						
10	16QAM	25	0	18.99	19.96	19.90	20	3				
10	16QAM	25	12	18.96	19.92	18.90						
10	16QAM	25	25	18.95	19.93	18.92	18	5				
10	16QAM	50	0	18.98	18.96	18.95						
10	256QAM	1	12	17.01	17.11	16.92	18	5				
10	256QAM	1	25	17.01	17.00	16.78						
10	256QAM	1	49	16.96	17.01	16.84	18	5				
10	256QAM	25	25	16.96	17.03	16.80						
10	256QAM	25	25	16.96	17.01	16.84	20	3				
10	256QAM	50	0	17.02	17.02	16.94						
Channel												
Frequency (MHz)												
5	QPSK	1	0	21.87	22.08	21.86	23	0				
5	QPSK	1	12	21.98	22.05	21.77						
5	QPSK	1	24	21.95	22.07	21.82	22	1				
5	QPSK	12	0	20.95	20.97	20.96						
5	QPSK	12	7	20.94	21.00	20.94	22	1				
5	QPSK	12	13	21.01	21.02	20.94						
5	QPSK	24	0	20.94	21.04	20.87	22	1				
5	16QAM	1	0	21.02	21.05	20.91						
5	16QAM	1	12	21.08	21.00	20.81	21	2				
5	16QAM	1	24	21.01	21.08	20.83						
5	16QAM	12	0	19.97	20.05	19.92	21	2				
5	16QAM	12	7	19.91	19.93	19.88						
5	16QAM	12	13	19.93	20.01	19.88	20	3				
5	16QAM	25	0	19.93	19.97	19.85						
5	16QAM	1	0	20.01	20.11	19.94	21	2				
5	16QAM	1	12	20.10	20.05	19.88						
5	16QAM	1	24	19.94	20.07	19.92	20	3				
5	16QAM	12	0	18.91	19.92	19.91						
5	16QAM	12	7	18.96	19.98	19.91	18	5				
5	16QAM	12	13	18.90	19.99	19.92						
5	256QAM	1	12	17.01	17.06	16.95	18	5				
5	256QAM	1	24	16.96	16.99	16.92						
5	256QAM	12	0	17.02	17.11	16.92	18	5				
5	256QAM	12	7	16.96	16.98	16.74						
5	256QAM	12	13	16.96	16.98	16.74	20	3				
5	256QAM	25	25	16.94	17.10	16.87						
Channel												
Frequency (MHz)												
3	QPSK	1	0	21.99	22.09	21.89	23	0				
3	QPSK	1	8	22.02	22.01	21.77						
3	QPSK	1	16	21.99	22.07	21.77	22	1				
3	QPSK	8	0	21.02	21.04	20.96						
3	QPSK	8	4	20.93	21.07	20.91	22	1				
3	QPSK	8	12	20.99	21.02	20.92						
3	QPSK	16	0	20.97	21.07	20.92	22	1				
3	QPSK	16	8	21.06	21.05	20.94						
3	16QAM	1	0	21.08	21.09	20.79	22	1				
3	16QAM	1	16	21.02	21.04	20.78						
3	16QAM	1	32	20.90	20.95	20.79	21	2				
3	16QAM	8	0	19.90	20.05	19.94						
3	16QAM	8	7	19.94	19.97	19.78	21	2				
3	16QAM	8	15	19.91	19.96	19.87						
3	16QAM	16	0	20.01	20.07	19.86	21	2				
3	16QAM	16	8	20.08	20.10	19.87						
3	16QAM	16	16	19.98	19.98	19.87	20	3				
3	16QAM	8	0	18.93	19.07	19.85						
3	16QAM	8	4	18.96	18.95	18.96	20	3				
3	16QAM	8	12	18.94	18.94	18.97						
3	16QAM	16	0	18.92	18.97	18.93	18	5				
3	256QAM	1	0	17.11	17.08	16.91						
3	256QAM	1	16	17.02	17.06	16.94	18	5				
3	256QAM	1	32	16.92	17.02	16.91						
3	256QAM	8	0	16.94	17.04	16.89	18	5				
3	256QAM	8	7	16.94	17.04	16.89						
3	256QAM	8	15	16.94	17.04	16.89	20	3				
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	22.08	22.11	21.87			23	0		
1.4	QPSK	1	0	22.06	22.02	21.82						
1.4	QPSK	1	5	21.99	22.07	21.81	22	1				
1.4	QPSK	3	0	22.07	22.11	21.86						
1.4	QPSK	3	3	22.00	22.02	21.80	22	1				
1.4	QPSK	3	6	22.02	22.10	21.85						
1.4	16QAM	1	3	20.96	21.04	20.95	21	2				
1.4	16QAM	1	6	20.95	20.98	20.97						
1.4	16QAM	1	9	20.95	20.99	20.97	21	2				
1.4	16QAM	3	3	20.91	21.03	20.95						
1.4	16QAM	3	6	20.88	21.07	20.94	21	2				
1.4	16QAM	3	9	20.90	21.00	20.97						
1.4	16QAM	1	0	19.91	20.02	19.92	21	2				
1.4	16QAM	1	9	19.93	20.03	19.94						
1.4	16QAM	3	0	18.99	19.04	18.98	21	2				
1.4	16QAM	3	3	18.97	18.98	18.93						
1.4	16QAM	3	6	18.93	19.02	18.98	20	3				
1.4	256QAM	1	0	17.01	17.02	16.88						
1.4	256QAM	1	3	16.99	16.99	16.93	18	5				
1.4	256QAM	3	0	16.98	17.07	16.93						
1.4	256QAM	3	3	16.98	17.06	16.98	18	5				
1.4	256QAM	3	6	17.08	17.08	16.93						
1.4	256QAM	1	0	17.01	17.02	16.88	18	5				
1.4	256QAM	3	0	16.98	16.96	16.91						

Band 7 Ant 4														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Med Ch / Freq.	Power High Ch / Freq.	Turn-up Int. (dB)	MPE (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	22.97	23.04	22.95	24.5	0						
20	QPSK	1	40	22.95	23.00	22.95								
20	QPSK	1	80	22.93	23.02	22.94								
20	QPSK	50	0	21.92	22.03	21.92	23.5	1						
20	QPSK	50	24	21.88	22.02	21.88								
20	QPSK	50	48	21.85	22.01	21.85								
20	QPSK	100	0	21.95	22.03	21.95	23.5	1						
20	HQAM	1	0	22.01	22.07	21.98								
20	HQAM	1	40	22.02	22.05	21.93								
20	HQAM	1	99	21.98	22.05	21.95	22.5	2						
20	HQAM	50	0	20.95	21.02	20.88								
20	HQAM	50	24	20.97	21.01	20.92								
20	HQAM	50	50	20.93	21.01	20.92	22.5	2						
20	HQAM	100	0	20.95	21.01	20.92								
20	HQAM	100	24	20.99	21.07	20.97								
20	HQAM	1	49	20.99	21.07	20.97	22.5	2						
20	HQAM	1	99	20.99	21.08	20.91								
20	HQAM	1	149	20.99	21.08	20.91								
20	HQAM	50	24	19.96	19.99	19.95	21.5	3						
20	HQAM	50	50	19.90	19.99	19.86								
20	HQAM	50	75	19.90	19.99	19.86								
20	25QAM	1	0	18.01	18.08	17.91	19.5	5						
20	25QAM	1	49	17.94	18.03	17.91								
20	25QAM	1	99	17.93	18.04	17.91								
20	25QAM	50	24	17.99	18.04	17.90	19.5	5						
20	25QAM	50	49	17.93	17.98	17.96								
20	25QAM	50	74	17.93	17.98	17.96								
20	25QAM	100	0	17.96	18.05	17.92	19.5	5						
Channel														
Frequency (MHz)														
15	QPSK	1	0	22.85	23.00	22.85			24.5	0				
15	QPSK	1	37	22.88	22.95	22.83								
15	QPSK	1	74	22.80	22.97	22.82								
15	QPSK	36	0	21.88	21.93	21.85	23.5	1						
15	QPSK	36	36	21.92	21.99	21.93								
15	QPSK	36	72	21.92	21.96	21.80								
15	QPSK	72	0	21.85	21.91	21.83	23.5	1						
15	HQAM	1	0	21.90	22.03	21.84								
15	HQAM	1	37	21.91	22.00	21.84								
15	HQAM	1	74	21.91	22.00	21.84	23.5	1						
15	HQAM	36	0	20.94	20.92	20.84								
15	HQAM	36	36	20.97	20.97	20.97								
15	HQAM	36	72	20.95	20.98	20.94	22.5	2						
15	HQAM	72	0	20.92	21.00	20.90								
15	HQAM	72	36	20.96	21.03	20.93								
15	HQAM	1	74	20.92	20.98	20.83	22.5	2						
15	HQAM	36	0	19.88	20.02	19.89								
15	HQAM	36	36	19.95	19.96	19.86								
15	HQAM	36	72	19.95	19.95	19.75	21.5	3						
15	HQAM	72	0	19.84	19.96	19.89								
15	HQAM	72	36	17.85	17.97	17.90								
15	25QAM	1	74	17.86	18.03	17.89	19.5	5						
15	25QAM	36	0	17.93	18.01	17.79								
15	25QAM	36	36	17.93	18.01	17.79								
15	25QAM	72	0	17.85	17.93	17.81	19.5	5						
15	25QAM	72	36	17.87	17.93	17.81								
15	25QAM	72	72	17.87	17.93	17.81								
Channel														
Frequency (MHz)														
10	QPSK	1	0	22.94	23.01	22.93	24.5	0						
10	QPSK	1	40	22.97	23.00	22.93								
10	QPSK	1	80	22.96	23.00	22.88								
10	QPSK	1	40	22.87	23.00	22.93	23.5	1						
10	QPSK	1	80	22.86	23.00	22.93								
10	QPSK	25	12	21.80	21.90	21.90								
10	QPSK	25	25	21.94	21.96	21.80	23.5	1						
10	QPSK	25	50	21.87	22.02	21.80								
10	QPSK	25	75	22.01	22.05	21.90								
10	HQAM	1	0	21.85	22.00	21.82	23.5	1						
10	HQAM	1	25	21.85	22.00	21.82								
10	HQAM	1	50	20.90	20.99	20.90								
10	HQAM	25	12	20.93	20.90	21.00	22.5	2						
10	HQAM	25	25	20.90	20.96	20.77								
10	HQAM	25	50	20.88	20.91	20.93								
10	HQAM	1	0	20.90	21.00	20.88	22.5	2						
10	HQAM	1	25	20.95	20.98	20.90								
10	HQAM	1	49	20.85	21.01	20.91								
10	HQAM	25	0	19.90	19.99	19.81	21.5	3						
10	HQAM	25	12	19.95	19.97	19.80								
10	HQAM	25	25	19.80	19.91	19.80								
10	HQAM	50	0	19.88	19.96	19.82	19.5	5						
10	HQAM	50	25	17.90	18.02	17.90								
10	HQAM	50	50	17.91	17.96	17.88								
10	25QAM	1	40	17.91	17.96	17.88	19.5	5						
10	25QAM	1	80	17.91	17.96	17.88								
10	25QAM	1	120	17.90	17.96	17.89								
10	25QAM	25	12	17.85	17.89	17.86	19.5	5						
10	25QAM	25	25	17.88	17.89	17.86								
10	25QAM	25	50	17.82	17.89	17.86								
Channel														
Frequency (MHz)														
5	QPSK	1	0	22.96	23.03	22.91	24.5	0						
5	QPSK	1	12	22.91	23.00	22.82								
5	QPSK	1	24	22.84	23.01	22.83								
5	QPSK	12	0	21.81	21.98	21.95	23.5	1						
5	QPSK	12	7	21.90	21.94	21.84								
5	QPSK	12	13	21.84	22.01	21.79								
5	QPSK	24	0	21.86	21.91	21.80	23.5	1						
5	HQAM	1	0	21.97	22.05	21.85								
5	HQAM	1	12	21.93	21.94	21.83								
5	HQAM	1	24	21.87	21.94	21.88	22.5	2						
5	HQAM	12	7	20.80	20.84	20.85								
5	HQAM	12	13	20.95	20.98	21.00								
5	HQAM	25	5	20.92	20.98	20.92	22.5	2						
5	HQAM	25	5	20.93	21.02	20.90								
5	HQAM	25	15	20.90	20.91	20.90								
5	HQAM	1	24	20.80	20.96	20.87	21.5	3						
5	HQAM	12	6	19.91	20.04	19.82								
5	HQAM	12	18	19.96	19.97	19.80								
5	HQAM	12	18	19.80	19.83	19.80	21.5	3						
5	HQAM	25	6	19.88	19.93	19.86								
5	HQAM	25	18	19.82	19.88	19.82								
5	25QAM	1	12	17.82	18.01	17.87	19.5	5						
5	25QAM	1	24	17.82	17.94	17.83								
5	25QAM	1	36	17.82	17.94	17.83								
5	25QAM	12	7	17.85	17.88	17.85	19.5	5						
5	25QAM	12	13	17.84	17.88	17.85								
5	25QAM	12	19	17.84	17.88	17.85								

Band 17 Ant 4										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up time (sec)	MPE (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	24.40	24.48	24.52	25.5	0		
10	QPSK	1	25	24.38	24.46	24.28				
10	QPSK	1	49	24.36	24.47	24.52				
10	QPSK	25	0	23.37	23.49	23.50				
10	QPSK	25	12	23.39	23.48	23.51	24.5	1		
10	QPSK	25	25	23.39	23.46	23.57				
10	QPSK	50	0	23.35	23.44	23.52				
10	HQAM	1	0	23.37	23.52	23.39				
10	HQAM	1	25	23.39	23.46	23.51	24.5	1		
10	HQAM	1	49	23.37	23.47	23.57				
10	HQAM	25	0	22.42	22.46	22.50				
10	HQAM	25	12	22.35	22.45	22.40				
10	HQAM	25	25	22.41	22.49	22.54	23.5	2		
10	HQAM	50	0	22.34	22.41	22.57				
10	HQAM	1	0	22.44	22.47	22.57				
10	HQAM	1	25	22.36	22.49	22.54				
10	HQAM	1	49	22.40	22.44	22.54	22.5	3		
10	HQAM	25	12	21.38	21.53	21.42				
10	HQAM	25	25	21.36	21.48	21.41				
10	HQAM	50	0	21.36	21.47	21.58				
10	25QAM	1	0	19.40	19.46	19.50	20.5	5		
10	25QAM	1	25	19.34	19.45	19.55				
10	25QAM	1	49	19.39	19.47	19.58				
10	25QAM	25	0	19.43	19.45	19.54				
10	25QAM	25	12	19.43	19.42	19.58				
10	25QAM	25	25	19.38	19.45	19.58				
10	25QAM	50	0	19.35	19.44	19.55				
Channel										
Frequency (MHz)										
5	QPSK	1	0	24.32	24.48	24.36	25.5	0		
5	QPSK	1	12	24.30	24.39	24.17				
5	QPSK	1	24	24.35	24.42	24.31				
5	QPSK	12	0	23.33	23.40	23.21				
5	QPSK	12	7	23.32	23.48	23.37	24.5	1		
5	QPSK	12	13	23.32	23.35	23.31				
5	QPSK	25	0	23.24	23.37	23.33				
5	HQAM	1	0	23.33	23.45	23.31				
5	HQAM	1	12	23.28	23.38	23.23	24.5	1		
5	HQAM	1	24	23.31	23.42	23.29				
5	HQAM	12	0	22.33	22.46	22.29				
5	HQAM	12	7	22.27	22.41	22.32				
5	HQAM	25	0	22.34	22.31	22.17	23.5	2		
5	HQAM	1	0	22.43	22.38	22.17				
5	HQAM	1	12	22.33	22.46	22.32				
5	HQAM	1	24	22.29	22.40	22.27				
5	HQAM	12	0	21.22	21.37	21.23	22.5	3		
5	HQAM	12	7	21.32	21.43	21.36				
5	HQAM	12	13	21.34	21.36	21.34				
5	HQAM	25	0	21.29	21.35	21.27				
5	25QAM	1	0	19.29	19.40	19.31	20.5	5		
5	25QAM	1	12	19.25	19.34	19.25				
5	25QAM	1	24	19.35	19.37	19.26				
5	25QAM	12	0	19.35	19.35	19.31				
5	25QAM	12	7	19.29	19.40	19.35	20.5	5		
5	25QAM	12	13	19.28	19.35	19.27				
5	25QAM	25	0	19.25	19.38	19.34				
5	25QAM	25	0	19.25	19.38	19.34				

Band 26 Ant 4												
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch 1 / Freq 26165	Power Ch 2 / Freq 26665	Power Ch 3 / Freq 26965	Turn-up time (sec)	MPE (dB)				
Channel												
Frequency (MHz)												
15	QPSK	1	0	24.42	24.50	24.47	25.5	0				
15	QPSK	1	37	24.38	24.53	24.53						
15	QPSK	1	74	24.36	24.51	24.45						
15	QPSK	36	0	23.45	23.48	23.46						
15	QPSK	36	20	23.38	23.45	23.43	24.5	1				
15	QPSK	36	36	23.36	23.45	23.43						
15	QPSK	75	0	23.34	23.47	23.45						
15	HQAM	1	0	23.44	23.58	23.53						
15	HQAM	1	37	23.39	23.49	23.41	24.5	1				
15	HQAM	1	74	23.39	23.52	23.46						
15	HQAM	36	0	22.40	22.53	22.49						
15	HQAM	36	36	22.32	22.42	22.29						
15	HQAM	75	0	22.33	22.46	22.46	23.5	2				
15	HQAM	1	0	22.48	22.51	22.49						
15	HQAM	1	37	22.34	22.51	22.47						
15	HQAM	1	74	22.30	22.49	22.47						
15	HQAM	36	0	21.34	21.41	21.45	22.5	3				
15	HQAM	36	20	21.36	21.49	21.38						
15	HQAM	36	36	21.34	21.41	21.45						
15	HQAM	75	0	21.32	21.52	21.40						
15	25QAM	1	0	19.45	19.57	19.46	20.5	5				
15	25QAM	1	37	19.35	19.53	19.49						
15	25QAM	1	74	19.34	19.55	19.44						
15	25QAM	36	0	19.45	19.54	19.50						
15	25QAM	36	20	19.44	19.56	19.49	20.5	5				
15	25QAM	36	36	19.43	19.52	19.45						
15	25QAM	75	0	19.40	19.55	19.45						
Channel												
Frequency (MHz)												
10	QPSK	1	0	24.40	24.53	24.35			25.5	0		
10	QPSK	1	25	24.29	24.50	24.36						
10	QPSK	1	49	24.35	24.46	24.39						
10	QPSK	25	0	23.43	23.43	23.36						
10	QPSK	25	12	23.34	23.42	23.32	24.5	1				
10	QPSK	25	25	23.29	23.44	23.31						
10	QPSK	50	0	23.32	23.44	23.35						
10	HQAM	1	0	23.38	23.49	23.47						
10	HQAM	1	25	23.35	23.46	23.31	24.5	1				
10	HQAM	1	35	23.38	23.45	23.35						
10	HQAM	25	0	22.34	22.49	22.37						
10	HQAM	25	12	22.28	22.45	22.35						
10	HQAM	25	25	22.32	22.42	22.45	23.5	2				
10	HQAM	1	0	22.48	22.48	22.38						
10	HQAM	1	25	22.34	22.45	22.35						
10	HQAM	1	49	22.30	22.40	22.45						
10	HQAM	25	0	21.37	21.47	21.45	22.5	3				
10	HQAM	25	12	21.38	21.56	21.35						
10	HQAM	25	25	21.29	21.35	21.44						
10	HQAM	50	0	21.22	21.43	21.36						
10	25QAM	1	0	19.45	19.54	19.44	20.5	5				
10	25QAM	1	25	19.37	19.48	19.46	20.5	5				
10	25QAM	1	49	19.35	19.50	19.45						
10	25QAM	25	0	19.35	19.50	19.45						
10	25QAM	25	12	19.35	19.50	19.45						
10	25QAM	25	25	19.35	19.50	19.45						
10	25QAM	50	0	19.34	19.49	19.36						
Channel												
Frequency (MHz)												
5	QPSK	1	0	24.311	24.686	24.705	25.5	0				
5	QPSK	1	12	24.337	24.650	24.641						
5	QPSK	1	24	24.327	24.660	24.643						
5	QPSK	12	0	23.348	23.348	23.339						
5	QPSK	12	7	23.337	23.338	23.339	24.5	1				
5	QPSK	12	13	23.311	23.334	23.331						
5	QPSK	12	25	23.290	23.348	23.311						
5	HQAM	1	0	23.40	23.51	23.44						
5	HQAM	1	12	23.31	23.42	23.35	24.5	1				
5	HQAM	1	24	23.31	23.42	23.35						
5	HQAM	12	0	22.29	22.42	22.34						
5	HQAM	12	7	22.28	22.40	22.32						
5	HQAM	12	13	22.22	22.40	22.35	23.5	2				
5	HQAM	1	0	22.38	22.49	22.42						
5	HQAM	1	12	22.32	22.46	22.41						
5	HQAM	1	24	22.22	22.42	22.39						
5	HQAM	12	0	21.40	21.43	21.37	22.5	3				
5	HQAM	12	7	21.38	21.49	21.43						
5	HQAM	12	13	21.30	21.30	21.41						
5	HQAM	25	0	21.23	21.46	21.36						
5	HQAM	1	0	19.45	19.56	19.49	20.5	5				
5	HQAM	1	12	19.38	19.42	19.39						
5	HQAM	1	24	19.35	19.43	19.40						
5	HQAM	12	0	19.36	19.45	19.41						
5	HQAM	12	7	19.34	19.58	19.48	20.5	5				
5	HQAM	12	13	19.33	19.45	19.41						
5	HQAM	25	0	19.33	19.53	19.31						
5	HQAM	25	7	19.33	19.53	19.31						
Channel												
Frequency (MHz)												
3	QPSK	1	0	24.311	24.686	24.705	25.5	0				
3	QPSK	1	12	24.300	24.643	24.643						
3	QPSK	1	24	24.297	24.647	24.633						
3	QPSK	12	0	23.348	23.348	23.339						
3	QPSK	12	7	23.311	23.334	23.331	24.5	1				
3	QPSK	12	13	23.290	23.348	23.311						
3	HQAM	1	0	23.35	23.51	23.43						
3	HQAM	1	12	23.38	23.45	23.32						
3	HQAM	1	24	23.30	23.42	23.35	23.5	2				
3	HQAM	12	0	22.38	22.49	22.38						
3	HQAM	12	7	22.32	22.46	22.41						
3	HQAM	12	13	22.22	22.42	22.39						
3	HQAM	25	0	21.40	21.43	21.37	22.5	3				
3	HQAM	25	7	21.38	21.49	21.43						
3	HQAM	25	13	21.30	21.30	21.41						
3	HQAM	50	0	21.23	21.46	21.36						
3	HQAM	1	0	19.45	19.56	19.49	20.5	5				
3	HQAM	1	12	19.38	19.42	19.39						
3	HQAM	1	24	19.35	19.43	19.40						
3	HQAM	12	0	19.36	19.45	19.41						
3	HQAM	12	7	19.34	19.58	19.48	20.5	5				
3	HQAM	12	13	19.33	19.45	19.41						
3	HQAM	25	0	19.33	19.53	19.31						
3	HQAM	25	7	19.33	19.53	19.31						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	24.311	24.686	24.705	25.5	0				
1.4	QPSK	1	12	24.314	24.653	24.643						
1.4	QPSK	1	24	24.308	24.649	24.639						
1.4	QPSK	5	0	24.311	24.643	24.643						
1.4	QPSK	5	1	24.314	24.649	24.633	24.5	1				
1.4	QPSK	5	3	24.288	24.650	24.643						
1.4	QPSK	10	0	23.330	23.453	23.442						
1.4	HQAM	1	0	23.30	23.39	23.42						
1.4	HQAM	1	3	23.30	23.39	23.39	24.5	1				
1.4	HQAM	1	6	23.28	23.48	23.35						
1.4	HQAM	5	0	23.28	23.42	23.37						
1.4	HQAM	5	3	23.24	23.51	22.47						
1.4	HQAM	10	0	22.33	22.38	22.28	23.5	2				
1.4	HQAM	10	3	22.37	22.48	22.47						
1.4	HQAM	5	6	22.31	22.42	22.44						
1.4	HQAM	5	9	22.47	22.42	22.39						
1.4	HQAM	10	0	21.35	21.54	21.47	22.5	3				
1.4	HQAM	10	3	21.39	21.58	21.49						
1.4	HQAM	10	6	21.30	21.41	21.47						
1.4	HQAM	10	9	21.25	21.54	21.47						
1.4	HQAM	1	0	19.34	19.42	19.38	20.5	5				
1.4	HQAM	1	3	19.34	19.47	19.42						
1.4	HQAM	1	6	19.34	19.46	19.41						
1.4	HQAM	1	9	19.34	19.46	19.33						
1.4	HQAM	1	12	19.34	19.49	19.33	20.5	5				
1.4	HQAM	1	15	19.34	19.49	19.33						
1.4	HQAM	1	18	19.34	19.49	19.33						
1.4	HQAM	1	21	19.34	19.49	19.33						

Band 38 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37650	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	23.49	23.51	23.47	24.5	0	
20	QPSK	1	49	23.47	23.50	23.42			
20	QPSK	1	99	23.46	23.49	23.44			
20	QPSK	50	0	22.53	22.49	22.42	23.5	1	
20	QPSK	50	24	22.48	22.47	22.46			
20	QPSK	50	50	22.41	22.49	22.39			
20	QPSK	100	0	22.44	22.45	22.39	23.5	1	
20	16QAM	1	0	22.44	22.50	22.44			
20	16QAM	1	49	22.48	22.45	22.46			
20	16QAM	1	99	22.49	22.46	22.48	22.5	2	
20	16QAM	50	0	21.48	21.49	21.36			
20	16QAM	50	24	21.45	21.47	21.43			
20	16QAM	50	50	21.36	21.54	21.36	21.5	3	
20	16QAM	100	0	21.49	21.42	21.37			
20	16QAM	1	0	21.44	21.51	21.52			
20	64QAM	1	49	21.48	21.49	21.49	22.5	2	
20	64QAM	1	99	21.48	21.45	21.41			
20	64QAM	50	0	20.49	20.53	20.47			
20	64QAM	50	24	20.49	20.42	20.51	21.5	3	
20	64QAM	50	50	20.40	20.44	20.35			
20	64QAM	100	0	20.45	20.51	20.42			
20	256QAM	1	0	18.48	18.49	18.49	19.5	5	
20	256QAM	1	49	18.45	18.47	18.42			
20	256QAM	1	99	18.51	18.53	18.40			
20	256QAM	50	0	18.50	18.52	18.48	19.5	5	
20	256QAM	50	24	18.46	18.48	18.47			
20	256QAM	50	50	18.43	18.47	18.43			
20	256QAM	100	0	18.45	18.49	18.33			
Channel				37625	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	23.44	23.49	23.43	24.5	0	
15	QPSK	1	37	23.45	23.48	23.42			
15	QPSK	1	74	23.34	23.41	23.38			
15	QPSK	36	0	22.41	22.48	22.39	23.5	1	
15	QPSK	36	20	22.48	22.43	22.45			
15	QPSK	36	39	22.31	22.45	22.30			
15	QPSK	75	0	22.34	22.43	22.35	23.5	1	
15	16QAM	1	0	22.38	22.45	22.42			
15	16QAM	1	37	22.37	22.45	22.43			
15	16QAM	1	74	22.40	22.43	22.46	22.5	2	
15	16QAM	36	0	21.48	21.37	21.33			
15	16QAM	36	20	21.34	21.37	21.36			
15	16QAM	36	39	21.34	21.49	21.28	22.5	2	
15	16QAM	75	0	21.45	21.32	21.30			
15	16QAM	1	0	21.43	21.41	21.50			
15	16QAM	1	37	21.42	21.40	21.26	22.5	2	
15	16QAM	1	74	21.44	21.42	21.32			
15	16QAM	36	0	20.48	20.44	20.47			
15	16QAM	36	20	20.39	20.39	20.48	21.5	3	
15	16QAM	36	39	20.40	20.39	20.34			
15	16QAM	75	0	20.45	20.42	20.40			
15	256QAM	1	0	18.43	18.38	18.45	19.5	5	
15	256QAM	1	37	18.43	18.42	18.39			
15	256QAM	1	74	18.41	18.48	18.32			
15	256QAM	36	0	18.47	18.43	18.46	19.5	5	
15	256QAM	36	20	18.44	18.39	18.40			
15	256QAM	36	39	18.34	18.35	18.37			
15	256QAM	75	0	18.42	18.48	18.23			
Channel				37600	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	23.48	23.48	23.45	24.5	0	
10	QPSK	1	25	23.38	23.41	23.40			
10	QPSK	1	49	23.38	23.39	23.34			
10	QPSK	25	0	22.41	22.38	22.31	23.5	1	
10	QPSK	25	12	22.37	22.41	22.35			
10	QPSK	25	25	22.35	22.46	22.45			
10	QPSK	50	0	22.44	22.36	22.27	23.5	1	
10	16QAM	1	0	22.35	22.45	22.39			
10	16QAM	1	25	22.38	22.42	22.35			
10	16QAM	1	49	22.35	22.38	22.37	22.5	2	
10	16QAM	25	0	21.38	21.40	21.34			
10	16QAM	25	12	21.37	21.41	21.40			
10	16QAM	25	25	21.33	21.44	21.34	22.5	2	
10	16QAM	50	0	21.44	21.39	21.28			
10	16QAM	1	0	21.35	21.46	21.43			
10	16QAM	1	25	21.47	21.46	21.28	22.5	2	
10	16QAM	1	49	21.37	21.37	21.34			
10	16QAM	25	0	20.42	20.51	20.41			
10	16QAM	25	12	20.38	20.38	20.48	21.5	3	
10	16QAM	25	25	20.35	20.42	20.27			
10	16QAM	50	0	20.38	20.48	20.35			
10	256QAM	1	0	18.43	18.40	18.41	19.5	5	
10	256QAM	1	25	18.44	18.46	18.38			
10	256QAM	1	49	18.42	18.50	18.32			
10	256QAM	25	0	18.41	18.48	18.36	19.5	5	
10	256QAM	25	12	18.43	18.47	18.44			
10	256QAM	25	25	18.41	18.45	18.41			
10	256QAM	50	0	18.44	18.44	18.25			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	23.42	23.48	23.41	24.5	0	
5	QPSK	1	12	23.38	23.41	23.35			
5	QPSK	1	24	23.45	23.42	23.42			
5	QPSK	12	0	22.44	22.46	22.40	23.5	1	
5	QPSK	12	7	22.39	22.43	22.45			
5	QPSK	12	13	22.41	22.41	22.30			
5	QPSK	25	0	22.37	22.35	22.30	23.5	1	
5	16QAM	1	0	22.41	22.45	22.43			
5	16QAM	1	12	22.46	22.36	22.39			
5	16QAM	1	24	22.40	22.35	22.41	22.5	2	
5	16QAM	12	0	21.48	21.40	21.30			
5	16QAM	12	7	21.40	21.41	21.43			
5	16QAM	12	13	21.29	21.53	21.33	22.5	2	
5	16QAM	25	0	21.44	21.31	21.31			
5	16QAM	1	0	21.42	21.46	21.49			
5	16QAM	1	12	21.38	21.42	21.26	22.5	2	
5	16QAM	1	24	21.39	21.35	21.41			
5	16QAM	12	0	20.40	20.42	20.44			
5	16QAM	12	7	20.43	20.41	20.48	21.5	3	
5	16QAM	12	13	20.38	20.37	20.34			
5	16QAM	25	0	20.35	20.41	20.33			
5	256QAM	1	0	18.39	18.39	18.43	19.5	5	
5	256QAM	1	12	18.44	18.42	18.30			
5	256QAM	1	24	18.47	18.49	18.39			
5	256QAM	12	0	18.45	18.43	18.44	19.5	5	
5	256QAM	12	7	18.45	18.45	18.40			
5	256QAM	12	13	18.40	18.39	18.39			
5	256QAM	25	0	18.39	18.46	18.23			

Band 41 Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Low Middle Ch./Freq.	Power Middle Ch./Freq.	Power High Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40165	40620	41068	41515		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.44	23.56	23.60	23.55	23.54	24.5	0
20	QPSK	1	49	23.42	23.47	23.56	23.46	23.53		
20	QPSK	1	99	23.40	23.46	23.54	23.47	23.49		
20	QPSK	50	0	22.40	22.43	22.54	22.42	22.47	23.5	1
20	QPSK	50	24	22.37	22.49	22.53	22.44	22.47		
20	QPSK	50	50	22.36	22.42	22.46	22.34	22.37		
20	QPSK	100	0	22.32	22.41	22.49	22.35	22.41	23.5	1
20	16QAM	1	0	22.49	22.57	22.59	22.56	22.57		
20	16QAM	1	49	22.44	22.41	22.51	22.49	22.55		
20	16QAM	1	99	22.44	22.49	22.59	22.48	22.48	22.5	2
20	64QAM	1	0	21.38	21.48	21.55	21.44	21.44		
20	16QAM	50	24	21.35	21.50	21.58	21.38	21.51		
20	16QAM	50	50	21.36	21.37	21.46	21.32	21.31	22.5	2
20	16QAM	100	0	21.28	21.39	21.53	21.39	21.42		
20	64QAM	1	0	21.43	21.53	21.58	21.51	21.51		
20	64QAM	1	49	21.45	21.44	21.55	21.40	21.49	22.5	2
20	64QAM	1	99	21.38	21.50	21.53	21.45	21.54		
20	64QAM	50	0	20.43	20.47	20.55	20.38	20.43		
20	64QAM	50	24	20.39	20.47	20.58	20.48	20.46	21.5	3
20	64QAM	50	50	20.36	20.46	20.43	20.29	20.38		
20	64QAM	100	0	20.31	20.44	20.51	20.32	20.43		
20	256QAM	1	0	18.41	18.52	18.57	18.57	18.49	19.5	5
20	256QAM	1	49	18.44	18.44	18.58	18.40	18.55		
20	256QAM	1	99	18.44	18.48	18.50	18.44	18.49		
20	256QAM	50	0	18.39	18.41	18.52	18.47	18.47	19.5	5
20	256QAM	50	24	18.36	18.53	18.53	18.45	18.43		
20	256QAM	50	50	18.36	18.39	18.41	18.28	18.32		
20	256QAM	100	0	18.31	18.45	18.47	18.31	18.39		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	23.35	23.49	23.55	23.52	23.49	24.50	0
15	QPSK	1	37	23.35	23.42	23.48	23.36	23.46		
15	QPSK	1	74	23.34	23.42	23.54	23.46	23.46		
15	QPSK	36	0	22.32	22.39	22.53	22.34	22.44	23.5	1
15	QPSK	36	20	22.32	22.48	22.50	22.35	22.38		
15	QPSK	36	39	22.28	22.38	22.44	22.33	22.34		
15	QPSK	75	0	22.32	22.37	22.47	22.32	22.33	23.5	1
15	16QAM	1	0	22.47	22.51	22.56	22.49	22.50		
15	16QAM	1	37	22.32	22.40	22.42	22.40	22.49		
15	16QAM	1	74	22.41	22.41	22.50	22.38	22.41	22.5	2
15	16QAM	36	0	21.28	21.42	21.41	21.39	21.33		
15	16QAM	36	20	21.29	21.38	21.54	21.29	21.50		
15	16QAM	36	39	21.26	21.27	21.43	21.20	21.25	22.5	2
15	16QAM	75	0	21.18	21.37	21.50	21.32	21.40		
15	16QAM	75	24	21.43	21.45	21.58	21.49	21.40		
15	64QAM	1	37	21.44	21.41	21.45	21.33	21.48	22.5	2
15	64QAM	1	74	21.30	21.50	21.43	21.44	21.43		
15	64QAM	36	0	20.40	20.43	20.44	20.27	20.41		
15	64QAM	36	20	20.39	20.46	20.53	20.40	20.38	21.5	3
15	64QAM	36	39	20.35	20.42	20.39	20.29	20.27		
15	64QAM	75	0	20.30	20.44	20.47	20.25	20.33		
15	256QAM	1	0	18.37	18.44	18.56	18.49	18.42	19.5	5
15	256QAM	1	37	18.38	18.37	18.51	18.39	18.49		
15	256QAM	1	74	18.40	18.39	18.44	18.36	18.38		
15	256QAM	36	0	18.35	18.36	18.46	18.40	18.40	19.5	5
15	256QAM	36	20	18.27	18.47	18.43	18.36	18.35		
15	256QAM	36	39	18.25	18.37	18.34	18.25	18.27		
15	256QAM	75	0	18.29	18.35	18.41	18.22	18.29		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2637	2685		
10	QPSK	1	0	23.37	23.53	23.53	23.48	23.50	24.50	0
10	QPSK	1	25	23.39	23.36	23.47	23.35	23.50		
10	QPSK	1	49	23.40	23.42	23.42	23.41	23.48		
10	QPSK	25	0	22.34	22.37	22.53	22.34	22.38	23.5	1
10	QPSK	25	12	22.32	22.42	22.42	22.35	22.37		
10	QPSK	25	25	22.29	22.42	22.40	22.34	22.31		
10	QPSK	50	0	22.28	22.37	22.45	22.24	22.41	23.5	1
10	16QAM	1	0	22.39	22.50	22.48	22.50	22.54		
10	16QAM	1	25	22.41	22.30	22.49	22.45	22.50		
10	16QAM	1	49	22.41	22.45	22.58	22.44	22.38	22.5	2
10	16QAM	25	0	21.28	21.40	21.53	21.34	21.41		
10	16QAM	25	12	21.33	21.41	21.54	21.31	21.45		
10	16QAM	25	25	21.28	21.30	21.41	21.24	21.23	21.5	3
10	64QAM	1	0	21.22	21.37	21.43	21.37	21.35		
10	64QAM	1	25	21.37	21.43	21.49	21.47	21.41		
10	64QAM	1	49	21.37	21.48	21.49	21.43	21.49	22.5	2
10	64QAM	25	0	20.42	20.39	20.49	20.32	20.38		
10	64QAM	25	12	20.34	20.36	20.56	20.43	20.38		
10	64QAM	25	25	20.28	20.38	20.32	20.26	20.29	21.5	3
10	64QAM	50	0	20.22	20.37	20.42	20.22	20.39		
10	256QAM	1	0	18.34	18.47	18.55	18.53	18.39		
10	256QAM	1	49	18.44	18.46	18.56	18.36	18.43	19.5	5
10	256QAM	1	99	18.37	18.37	18.41	18.33	18.38		
10	256QAM	25	0	18.31	18.39	18.48	18.37	18.43		
10	256QAM	25	12	18.31	18.53	18.43	18.35	18.38	19.5	5
10	256QAM	25	25	18.24	18.37	18.39	18.21	18.31		
10	256QAM	50	0	18.23	18.34	18.36	18.19	18.30		
Channel				39715	40165	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	23.35	23.52	23.57	23.52	23.47	24.50	0
5	QPSK	1	12	23.30	23.46	23.55	23.44	23.46		
5	QPSK	1	24	23.30	23.45	23.51	23.44	23.41		
5	QPSK	12	0	22.33	22.41	22.50	22.35	22.44	23.5	1
5	QPSK	12	6	22.37	22.46	22.51	22.41	22.44		
5	QPSK	12	13	22.27	22.38	22.40	22.32	22.30		
5	QPSK	25	0	22.30	22.39	22.38	22.33	22.32	23.5	1
5	16QAM	1	0	22.39	22.48	22.52	22.54	22.54		
5	16QAM	1	12	22.32	22.41	22.40	22.39	22.44		
5	16QAM	1	24	22.33	22.46	22.52	22.47	22.52	22.5	2
5	16QAM	12	0	21.26	21.41	21.47	21.42	21.38		
5	16QAM	12	7	21.29	21.43	21.58	21.27	21.44		
5	16QAM	12	13	21.32	21.31	21.39	21.22	21.31	21.5	3
5	16QAM	25	0	21.26	21.36	21.45	21.39	21.35		
5	64QAM	1	0	21.33	21.44	21.50	21.40	21.49		
5	64QAM	1	12	21.44	21.42	21.45	21.28	21.47	22.5	2
5	64QAM	1	24	21.36	21.39	21.42	21.39	21.49		
5	64QAM	12	0	20.32	20.40	20.48	20.31	20.32		
5	64QAM	12	7	20.37	20.37	20.49	20.43	20.39	21.5	3
5	64QAM	12	13	20.31	20.41	20.37	20.20	20.31		
5	64QAM	25	0	20.24	20.34	20.30	20.27	20.35		
5	256QAM	1	0	18.32	18.47	18.48	18.47	18.42	19.5	5
5	256QAM	1	12	18.37	18.38	18.46	18.37	18.55		
5	256QAM	1	24	18.42	18.43	18.41	18.33	18.43		
5	256QAM	12	0	18.36	18.30	18.51	18.43	18.45	19.5	5
5	256QAM	12	7	18.25	18.44	18.43	18.37	18.33		
5	256QAM	12	13	18.27	18.36	18.39	18.23	18.30		
5	256QAM	25	0	18.20	18.33	18.36	18.21	18.30		

Band 42 Part 27Q Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				5460	3500	3540			
20	QPSK	1	0	19.06	19.15	19.09	20	0	
20	QPSK	1	49	18.96	19.10	18.99			
20	QPSK	1	99	18.96	19.06	19.02			
20	QPSK	50	0	18.05	18.18	18.04			
20	QPSK	50	24	17.97	18.09	18.00	19	1	
20	QPSK	50	50	17.95	18.10	18.07			
20	QPSK	100	0	18.11	18.15	18.14			
20	16QAM	1	0	18.11	18.14	18.05			
20	16QAM	1	49	18.03	18.16	18.04	19	1	
20	16QAM	1	99	17.96	18.03	18.01			
20	16QAM	50	0	17.07	17.16	17.09			
20	16QAM	50	24	17.01	17.06	17.01			
20	16QAM	50	50	16.97	17.05	17.13	18	2	
20	16QAM	100	0	17.09	17.20	17.13			
20	64QAM	1	0	17.07	17.18	17.00			
20	64QAM	1	49	17.06	17.22	17.08			
20	64QAM	1	99	17.01	17.02	17.03	18	2	
20	64QAM	50	0	16.02	16.16	15.98			
20	64QAM	50	24	16.03	16.12	16.02			
20	64QAM	50	50	15.92	16.12	16.12			
20	64QAM	100	0	16.11	16.16	16.15	17	3	
20	256QAM	1	0	14.07	14.14	14.04			
20	256QAM	1	49	13.92	14.06	13.99			
20	256QAM	1	99	13.93	14.12	14.01			
20	256QAM	50	0	14.06	14.17	14.16	15	5	
20	256QAM	50	24	14.06	14.18	14.03			
20	256QAM	50	50	14.02	14.20	14.02			
20	256QAM	100	0	13.92	14.06	14.01			
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3422.5	3500	3542.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	19.02	19.04	19.04			
15	QPSK	1	37	18.96	18.99	18.89	20	0	
15	QPSK	1	74	18.92	19.01	18.90			
15	QPSK	36	0	17.91	18.09	18.01			
15	QPSK	36	20	17.84	18.04	17.98			
15	QPSK	36	39	17.80	18.08	17.95	19	1	
15	QPSK	75	0	16.07	16.09	16.08			
15	16QAM	1	0	18.07	18.12	18.01			
15	16QAM	1	37	18.00	18.02	17.94			
15	16QAM	1	74	17.84	17.97	17.87	19	1	
15	16QAM	36	0	17.04	17.11	16.95			
15	16QAM	36	20	16.90	16.92	16.95			
15	16QAM	36	39	16.89	17.03	17.04			
15	16QAM	75	0	17.06	17.11	17.10	18	2	
15	64QAM	1	0	17.01	17.10	16.93			
15	64QAM	1	37	16.99	17.09	17.03			
15	64QAM	1	74	16.89	16.98	16.92			
15	64QAM	36	0	15.99	16.10	15.93	17	3	
15	64QAM	36	20	15.92	16.08	15.91			
15	64QAM	36	39	15.83	16.05	16.00			
15	64QAM	75	0	15.97	16.09	16.09			
15	256QAM	1	0	14.02	14.07	13.98	15	5	
15	256QAM	1	37	13.78	14.02	13.96			
15	256QAM	1	74	13.83	14.07	13.89			
15	256QAM	36	0	14.04	14.11	14.11			
15	256QAM	36	20	14.00	14.04	13.94	15	5	
15	256QAM	36	39	13.90	14.10	13.93			
15	256QAM	75	0	13.93	13.95	13.94			
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455	3500	3545	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	18.98	19.02	19.06			
10	QPSK	1	25	18.93	18.96	18.96	20	0	
10	QPSK	1	49	18.90	18.96	18.93			
10	QPSK	25	0	17.98	18.06	17.90			
10	QPSK	25	12	17.88	18.05	17.96	19	1	
10	QPSK	25	25	17.88	18.06	17.97			
10	QPSK	50	0	18.02	18.05	18.12			
10	16QAM	1	0	18.00	18.06	17.97			
10	16QAM	1	25	17.97	18.03	17.98	19	1	
10	16QAM	1	49	17.91	17.92	17.91			
10	16QAM	25	0	17.00	17.10	16.99			
10	16QAM	25	12	16.90	17.00	16.89			
10	16QAM	25	25	16.91	16.96	17.06	18	2	
10	16QAM	50	0	17.07	17.10	17.08			
10	64QAM	1	0	17.02	17.15	16.91			
10	64QAM	1	25	17.03	17.15	16.99			
10	64QAM	1	49	16.91	16.91	16.95	17	3	
10	64QAM	25	0	15.99	16.10	15.90			
10	64QAM	25	12	15.96	16.09	15.97			
10	64QAM	25	25	15.85	16.06	15.99			
10	64QAM	50	0	16.02	16.10	16.01	15	5	
10	256QAM	1	0	13.99	14.11	13.92			
10	256QAM	1	25	13.86	13.95	13.89			
10	256QAM	1	49	13.87	14.04	13.87			
10	256QAM	25	0	13.97	14.14	14.03	15	5	
10	256QAM	25	12	13.98	14.07	13.95			
10	256QAM	25	25	13.96	14.15	13.90			
10	256QAM	50	0	13.85	13.94	13.98			
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3502.5	3500	3507.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	19.00	19.05	18.98			
5	QPSK	1	12	18.93	19.01	18.96	20	0	
5	QPSK	1	24	18.86	18.99	18.96			
5	QPSK	12	0	17.94	18.13	17.98			
5	QPSK	12	7	17.88	18.02	17.88	19	1	
5	QPSK	12	13	17.86	18.00	17.95			
5	QPSK	25	0	18.01	18.12	18.08			
5	16QAM	1	0	18.06	18.10	17.94			
5	16QAM	1	12	17.89	18.11	18.01	19	1	
5	16QAM	1	24	17.87	17.97	17.95			
5	16QAM	12	0	17.03	17.03	16.99			
5	16QAM	12	7	16.97	17.03	16.90			
5	16QAM	12	13	16.88	17.00	17.04	18	2	
5	16QAM	25	0	17.00	17.12	17.07			
5	64QAM	1	0	16.96	17.10	16.91			
5	64QAM	1	12	16.96	17.16	17.02			
5	64QAM	1	24	16.92	16.92	16.96	18	2	
5	64QAM	12	0	15.99	16.11	15.91			
5	64QAM	12	7	15.90	16.05	15.95			
5	64QAM	12	13	15.88	16.05	16.00			
5	64QAM	25	0	15.97	16.06	16.01	17	3	
5	256QAM	1	0	14.02	14.06	13.90			
5	256QAM	1	12	13.79	14.04	13.99			
5	256QAM	1	24	13.86	14.09	13.88			
5	256QAM	12	0	13.92	14.08	14.05	15	5	
5	256QAM	12	7	13.99	14.14	13.98			
5	256QAM	12	13	13.97	14.13	13.97			
5	256QAM	25	0	13.85	13.94	13.97			

Band 48 Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	19.03	19.12	19.01	19.10	20	0
20	QPSK	1	49	19.01	19.06	18.94	19.00		
20	QPSK	1	99	19.01	19.11	18.93	19.09		
20	QPSK	50	0	18.08	18.13	17.99	18.09	19	1
20	QPSK	50	24	18.05	18.04	17.97	18.05		
20	QPSK	50	24	18.01	18.11	17.97	18.04		
20	QPSK	100	0	18.02	18.14	17.92	18.01	19	1
20	16QAM	1	0	18.02	18.11	17.97	18.06		
20	16QAM	1	49	17.95	18.03	17.91	18.04		
20	16QAM	1	99	17.97	18.05	17.90	18.05	18	2
20	84QAM	1	0	17.07	17.16	17.03	17.05		
20	16QAM	50	24	17.00	17.03	17.03	16.93		
20	16QAM	50	50	16.96	17.10	16.89	17.03	18	2
20	16QAM	100	0	16.98	17.16	16.93	17.02		
20	84QAM	1	0	17.03	17.06	17.03	17.11		
20	84QAM	1	49	17.02	17.04	16.94	16.96	18	2
20	84QAM	1	99	17.00	17.08	16.92	17.14		
20	84QAM	50	0	16.03	16.14	16.00	16.07		
20	84QAM	50	24	16.08	16.03	16.03	15.95	17	3
20	84QAM	50	50	15.95	16.15	15.90	16.03		
20	84QAM	100	0	16.01	16.17	15.91	16.01		
20	256QAM	1	0	14.04	14.06	13.89	14.15	15	5
20	256QAM	1	49	14.06	14.05	13.96	14.01		
20	256QAM	1	99	14.03	14.05	13.95	14.11		
20	256QAM	50	0	14.08	14.15	13.97	14.09	15	5
20	256QAM	50	24	14.01	14.07	13.98	13.94		
20	256QAM	50	50	14.06	14.08	13.86	14.08		
20	256QAM	100	0	14.05	14.10	13.93	14.04	15	5
Channel				55315	55820	56160	56665		
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	18.97	19.10	18.98	19.03	20	0
15	QPSK	1	37	18.95	19.01	18.87	18.89		
15	QPSK	1	74	18.95	19.06	18.83	19.02		
15	QPSK	36	0	18.06	18.08	17.99	18.06	19	1
15	QPSK	36	20	18.01	17.97	17.97	17.99		
15	QPSK	36	39	17.93	18.09	17.84	17.99		
15	QPSK	75	0	17.94	18.03	17.89	17.98	19	1
15	16QAM	1	0	17.92	18.00	17.92	18.04		
15	16QAM	1	37	17.91	18.02	17.85	18.00		
15	16QAM	1	74	17.86	17.94	17.81	17.98	18	2
15	16QAM	36	0	16.97	17.06	17.01	16.93		
15	16QAM	36	20	16.98	16.93	16.91	16.83		
15	16QAM	36	39	16.86	17.03	16.79	17.01	18	2
15	16QAM	75	0	16.94	17.04	16.86	17.01		
15	84QAM	1	0	16.94	16.94	17.00	17.09		
15	84QAM	1	37	16.91	16.94	16.83	16.95	18	2
15	84QAM	1	74	16.91	17.00	16.81	17.11		
15	84QAM	36	0	15.95	16.14	15.99	16.05		
15	84QAM	36	20	16.01	15.94	15.95	15.91	17	3
15	84QAM	36	39	15.89	16.07	15.89	16.00		
15	84QAM	75	0	15.96	16.09	15.90	15.89		
15	256QAM	1	0	14.01	14.02	14.00	14.04	15	5
15	256QAM	1	37	14.02	13.97	13.89	13.94		
15	256QAM	1	74	14.00	13.99	13.93	14.05		
15	256QAM	36	0	14.06	14.05	13.93	13.99	15	5
15	256QAM	36	20	13.99	13.98	13.89	13.86		
15	256QAM	36	39	13.99	14.02	13.78	14.07		
15	256QAM	75	0	13.94	14.03	13.90	13.97	15	5
Channel				55290	55815	56165	56690		
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	18.97	19.10	18.97	19.07	20	0
10	QPSK	1	25	18.94	18.95	18.92	18.98		
10	QPSK	1	49	18.95	19.10	18.86	19.04		
10	QPSK	25	0	18.07	18.13	17.95	17.99	19	1
10	QPSK	25	12	18.01	17.98	17.99	17.88		
10	QPSK	25	25	17.95	18.03	17.78	17.94		
10	16QAM	1	0	17.99	18.13	17.80	17.94	19	1
10	16QAM	1	0	17.92	18.04	17.93	17.95		
10	16QAM	1	25	17.94	18.00	17.88	18.04		
10	16QAM	1	49	17.88	18.00	17.88	17.99	18	2
10	16QAM	25	0	16.96	17.14	16.98	17.00		
10	16QAM	25	12	16.93	16.96	16.89	16.85		
10	16QAM	25	25	16.93	17.01	16.87	16.96	18	2
10	16QAM	50	0	16.88	17.09	16.90	16.92		
10	84QAM	1	0	16.94	17.04	16.92	17.07		
10	84QAM	1	25	17.02	16.93	16.92	16.92	18	2
10	84QAM	1	49	16.93	17.06	16.82	17.13		
10	84QAM	1	99	16.97	16.04	16.95	16.05		
10	84QAM	25	12	16.05	15.99	15.97	15.84	17	3
10	84QAM	25	25	15.84	16.13	15.79	15.99		
10	84QAM	50	0	15.96	16.15	15.83	15.96		
10	256QAM	1	0	14.04	14.03	13.95	14.07	15	5
10	256QAM	1	25	14.02	13.96	13.83	14.00		
10	256QAM	1	49	13.96	14.03	13.88	14.10		
10	256QAM	25	0	13.97	14.11	13.89	13.98	15	5
10	256QAM	25	12	13.90	14.05	13.86	13.89		
10	256QAM	25	25	13.99	13.97	13.76	14.07		
10	256QAM	50	0	13.99	14.02	13.83	13.94	15	5
Channel				35535	35911.5	3643	3697.5		
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	18.93	19.11	18.96	19.07	20	0
5	QPSK	1	12	18.96	18.94	18.93	18.96		
5	QPSK	1	24	18.97	19.06	18.89	19.03		
5	QPSK	12	0	18.03	18.12	17.93	18.04	19	1
5	QPSK	12	6	17.95	17.98	17.91	17.88		
5	QPSK	12	13	17.95	18.01	17.76	17.94		
5	QPSK	25	0	17.92	18.12	17.82	17.95	19	1
5	16QAM	1	0	17.91	18.00	17.92	18.06		
5	16QAM	1	12	17.86	17.92	17.81	18.02		
5	16QAM	1	24	17.87	18.02	17.80	18.00	18	2
5	16QAM	12	0	16.98	17.06	17.04	16.97		
5	16QAM	12	7	16.99	16.98	16.96	16.83		
5	16QAM	12	13	16.91	17.10	16.85	17.03	18	2
5	16QAM	25	0	16.90	17.05	16.81	16.96		
5	16QAM	25	6	16.95	17.04	16.92	17.11		
5	84QAM	1	0	17.01	16.95	16.84	16.96	18	2
5	84QAM	1	24	16.98	17.03	16.92	17.04		
5	84QAM	12	0	15.98	16.03	15.94	16.08		
5	84QAM	12	7	16.00	15.94	15.97	15.84	17	3
5	84QAM	12	13	15.87	16.08	15.81	15.99		
5	84QAM	25	0	16.03	16.15	15.95	16.07		
5	256QAM	1	0	13.93	13.94	13.98	14.15	15	5
5	256QAM	1	12	14.05	13.98	13.95	13.94		
5	256QAM	1	24	13.99	13.94	13.84	14.03		
5	256QAM	12	0	14.01	14.07	13.95	14.03	15	5
5	256QAM	12	7	13.97	14.05	13.94	13.84		
5	256QAM	13	0	14.00	13.98	13.85	13.99		
5	256QAM	25	0	14.03	14.09	13.83	14.02	15	5

Band 38 Ant 3										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	23.43	23.52	23.48	24.5	0		
20	QPSK	1	49	23.38	23.45	23.38				
20	QPSK	1	99	23.40	23.40	23.37				
20	QPSK	50	0	22.37	22.57	22.43	23.5	1		
20	QPSK	50	24	22.34	22.49	22.40				
20	QPSK	50	50	22.41	22.42	22.33				
20	QPSK	100	0	22.46	22.52	22.50	23.5	1		
20	16QAM	1	0	22.44	22.54	22.47				
20	16QAM	1	49	22.38	22.51	22.36				
20	16QAM	1	99	22.39	22.39	22.34	22.5	2		
20	16QAM	50	0	21.36	21.56	21.36				
20	16QAM	50	24	21.36	21.54	21.35				
20	16QAM	50	50	21.42	21.43	21.29	21.5	3		
20	16QAM	100	0	21.40	21.53	21.47				
20	64QAM	1	0	21.50	21.56	21.43				
20	64QAM	1	49	21.43	21.52	21.36	22.5	2		
20	64QAM	1	99	21.33	21.41	21.31				
20	64QAM	50	0	20.39	20.58	20.44				
20	64QAM	50	24	20.35	20.54	20.32	21.5	3		
20	64QAM	50	50	20.41	20.47	20.31				
20	64QAM	100	0	20.48	20.58	20.45				
20	256QAM	1	0	18.32	18.52	18.37	19.5	5		
20	256QAM	1	49	18.40	18.46	18.40				
20	256QAM	1	99	18.44	18.37	18.35				
20	256QAM	50	0	18.46	18.48	18.46	19.5	5		
20	256QAM	50	24	18.45	18.58	18.42				
20	256QAM	50	50	18.43	18.54	18.34				
20	256QAM	100	0	18.38	18.42	18.29				
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	23.29	23.45	23.45	24.5	0		
15	QPSK	1	37	23.31	23.38	23.27				
15	QPSK	1	74	23.36	23.27	23.32				
15	QPSK	36	0	22.25	22.47	22.32	23.5	1		
15	QPSK	36	20	22.31	22.41	22.29				
15	QPSK	36	39	22.27	22.36	22.22				
15	QPSK	75	0	22.42	22.47	22.40	23.5	1		
15	16QAM	1	0	22.33	22.40	22.39				
15	16QAM	1	37	22.31	22.38	22.25				
15	16QAM	1	74	22.27	22.31	22.25	22.5	2		
15	16QAM	36	0	21.27	21.45	21.27				
15	16QAM	36	20	21.28	21.45	21.28				
15	16QAM	36	39	21.29	21.37	21.24	22.5	2		
15	16QAM	75	0	21.32	21.43	21.45				
15	64QAM	1	0	21.41	21.49	21.30				
15	64QAM	1	37	21.35	21.39	21.32	22.5	2		
15	64QAM	1	74	21.25	21.29	21.26				
15	64QAM	36	0	20.32	20.51	20.32				
15	64QAM	36	20	20.32	20.48	20.23	21.5	3		
15	64QAM	36	39	20.37	20.36	20.20				
15	64QAM	75	0	20.40	20.51	20.37				
15	256QAM	1	0	18.20	18.41	18.33	19.5	5		
15	256QAM	1	37	18.30	18.38	18.34				
15	256QAM	1	74	18.32	18.28	18.30				
15	256QAM	36	0	18.39	18.41	18.43	19.5	5		
15	256QAM	36	20	18.35	18.50	18.32				
15	256QAM	36	39	18.39	18.44	18.23				
15	256QAM	75	0	18.27	18.35	18.25				
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	23.34	23.39	23.43	24.5	0		
10	QPSK	1	25	23.27	23.39	23.32				
10	QPSK	1	49	23.38	23.33	23.35				
10	QPSK	25	0	22.24	22.46	22.36	23.5	1		
10	QPSK	25	12	22.24	22.37	22.31				
10	QPSK	25	25	22.37	22.37	22.20				
10	QPSK	50	0	22.39	22.46	22.43	23.5	1		
10	16QAM	1	0	22.33	22.48	22.35				
10	16QAM	1	25	22.27	22.45	22.22				
10	16QAM	1	49	22.35	22.31	22.27	22.5	2		
10	16QAM	25	0	21.32	21.53	21.31				
10	16QAM	25	12	21.32	21.50	21.27				
10	16QAM	25	25	21.28	21.40	21.17	22.5	2		
10	16QAM	50	0	21.30	21.42	21.40				
10	64QAM	1	0	21.43	21.53	21.34				
10	64QAM	1	25	21.34	21.44	21.27	22.5	2		
10	64QAM	1	49	21.19	21.35	21.29				
10	64QAM	25	0	20.34	20.52	20.32				
10	64QAM	25	12	20.27	20.50	20.19	21.5	3		
10	64QAM	25	25	20.38	20.36	20.25				
10	64QAM	50	0	20.43	20.52	20.32				
10	256QAM	1	0	18.28	18.50	18.33	19.5	5		
10	256QAM	1	25	18.27	18.39	18.36				
10	256QAM	1	49	18.39	18.27	18.33				
10	256QAM	25	0	18.39	18.35	18.39	19.5	5		
10	256QAM	25	12	18.34	18.50	18.31				
10	256QAM	25	25	18.34	18.47	18.23				
10	256QAM	50	0	18.34	18.32	18.26				
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	23.38	23.39	23.37	24.5	0		
5	QPSK	1	12	23.28	23.36	23.29				
5	QPSK	1	24	23.30	23.26	23.27				
5	QPSK	12	0	22.23	22.51	22.34	23.5	1		
5	QPSK	12	7	22.29	22.36	22.35				
5	QPSK	12	13	22.31	22.30	22.27				
5	QPSK	25	0	22.43	22.48	22.46	23.5	1		
5	16QAM	1	0	22.41	22.46	22.40				
5	16QAM	1	12	22.29	22.41	22.31				
5	16QAM	1	24	22.26	22.28	22.22	22.5	2		
5	16QAM	12	0	21.25	21.43	21.29				
5	16QAM	12	7	21.28	21.41	21.24				
5	16QAM	12	13	21.34	21.32	21.22	22.5	2		
5	16QAM	25	0	21.31	21.43	21.34				
5	64QAM	1	0	21.42	21.47	21.32				
5	64QAM	1	12	21.36	21.42	21.27	22.5	2		
5	64QAM	1	24	21.21	21.33	21.22				
5	64QAM	12	0	20.35	20.54	20.37				
5	64QAM	12	7	20.31	20.50	20.25	21.5	3		
5	64QAM	12	13	20.33	20.44	20.22				
5	64QAM	25	0	20.43	20.47	20.20				
5	256QAM	1	0	18.23	18.36	18.26	19.5	5		
5	256QAM	1	12	18.33	18.34	18.33				
5	256QAM	1	24	18.30	18.25	18.24				
5	256QAM	12	0	18.44	18.38	18.33	19.5	5		
5	256QAM	12	7	18.38	18.55	18.30				
5	256QAM	12	13	18.39	18.42	18.29				
5	256QAM	25	0	18.24	18.31	18.19				

Band 42 Part 27Q Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				5460	5500	5540			
20	QPSK	1	0	20.46	20.47	20.22	21.5	0	
20	QPSK	1	49	20.42	20.41	20.19			
20	QPSK	1	99	20.42	20.45	20.19			
20	QPSK	50	0	19.47	19.47	19.21	20.5	1	
20	QPSK	50	24	19.44	19.42	19.23			
20	QPSK	50	50	19.46	19.42	19.20			
20	QPSK	100	0	19.37	19.41	19.16	20.5	1	
20	16QAM	1	0	19.41	19.41	19.19			
20	16QAM	1	49	19.46	19.47	19.19			
20	16QAM	1	99	19.46	19.50	19.23	19.5	2	
20	16QAM	50	0	18.51	18.45	18.26			
20	16QAM	50	24	18.41	18.43	18.25			
20	16QAM	50	50	18.46	18.44	18.24	19.5	2	
20	16QAM	100	0	18.36	18.36	18.19			
20	64QAM	1	0	18.38	18.43	18.08			
20	64QAM	1	49	18.32	18.35	18.13	18.5	3	
20	64QAM	1	99	18.37	18.35	18.08			
20	64QAM	50	0	17.35	17.41	17.16			
20	64QAM	50	24	17.29	17.39	17.12	18.5	3	
20	64QAM	50	50	17.35	17.34	17.16			
20	64QAM	100	0	17.22	17.38	17.03			
20	256QAM	1	0	15.40	15.43	15.27	16.5	5	
20	256QAM	1	49	15.37	15.42	15.24			
20	256QAM	1	99	15.39	15.42	15.23			
20	256QAM	50	0	15.37	15.39	15.05	16.5	5	
20	256QAM	50	24	15.37	15.33	15.16			
20	256QAM	50	50	15.40	15.30	15.16			
20	256QAM	100	0	15.27	15.32	15.08	Tune-up limit (dBm)	MPR (dB)	
Channel				42165	42590	43015			
Frequency (MHz)				3452.5	3500	3547.5			
15	QPSK	1	0	20.46	20.46	20.18	21.5	0	
15	QPSK	1	37	20.39	20.39	20.11			
15	QPSK	1	74	20.32	20.39	20.14			
15	QPSK	36	0	19.46	19.45	19.20	20.5	1	
15	QPSK	36	20	19.39	19.32	19.12			
15	QPSK	36	39	19.41	19.34	19.09			
15	QPSK	75	0	19.28	19.40	19.06	20.5	1	
15	16QAM	1	0	19.41	19.40	19.14			
15	16QAM	1	37	19.42	19.39	19.17			
15	16QAM	1	74	19.36	19.47	19.19	19.5	2	
15	16QAM	36	0	18.41	18.41	18.25			
15	16QAM	36	20	18.29	18.30	18.19			
15	16QAM	36	39	18.37	18.34	18.21	19.5	2	
15	16QAM	75	0	18.27	18.32	18.14			
15	64QAM	1	0	18.28	18.36	18.01			
15	64QAM	1	37	18.30	18.30	18.02	18.5	3	
15	64QAM	1	74	18.36	18.28	18.07			
15	64QAM	36	0	17.26	17.32	17.08			
15	64QAM	36	20	17.25	17.27	17.04	16.5	5	
15	64QAM	36	39	17.27	17.31	17.05			
15	64QAM	75	0	17.13	17.26	17.00			
15	256QAM	1	0	15.31	15.37	15.36	16.5	5	
15	256QAM	1	37	15.27	15.37	15.18			
15	256QAM	1	74	15.32	15.34	15.12			
15	256QAM	36	0	15.33	15.37	14.98	16.5	5	
15	256QAM	36	20	15.33	15.22	15.07			
15	256QAM	36	39	15.40	15.27	15.07			
15	256QAM	75	0	15.24	15.23	15.09	Tune-up limit (dBm)	MPR (dB)	
Channel				42140	42590	43040			
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	20.38	20.42	20.16	21.5	0	
10	QPSK	1	25	20.31	20.31	20.15			
10	QPSK	1	49	20.33	20.43	20.12			
10	QPSK	25	0	19.41	19.38	19.18	20.5	1	
10	QPSK	25	12	19.41	19.37	19.21			
10	QPSK	25	25	19.36	19.41	19.11			
10	QPSK	50	0	19.27	19.39	19.06	20.5	1	
10	16QAM	1	0	19.40	19.33	19.17			
10	16QAM	1	25	19.39	19.36	19.14			
10	16QAM	1	49	19.35	19.48	19.16	19.5	2	
10	16QAM	25	0	18.41	18.39	18.17			
10	16QAM	25	12	18.40	18.40	18.18			
10	16QAM	25	25	18.44	18.38	18.15	19.5	2	
10	16QAM	50	0	18.29	18.36	18.12			
10	64QAM	1	0	18.28	18.35	18.00			
10	64QAM	1	25	18.29	18.29	18.02	18.5	3	
10	64QAM	1	49	18.29	18.28	18.02			
10	64QAM	25	0	17.35	17.37	17.07			
10	64QAM	25	12	17.17	17.25	17.04	16.5	5	
10	64QAM	25	25	17.27	17.30	17.14			
10	64QAM	50	0	17.13	17.24	16.96			
10	256QAM	1	0	15.37	15.40	15.15	16.5	5	
10	256QAM	1	25	15.27	15.32	15.18			
10	256QAM	1	49	15.32	15.34	15.19			
10	256QAM	25	0	15.33	15.29	14.99	16.5	5	
10	256QAM	25	12	15.36	15.21	15.13			
10	256QAM	25	25	15.32	15.24	15.09			
10	256QAM	50	0	15.25	15.26	15.00	Tune-up limit (dBm)	MPR (dB)	
Channel				42115	42590	43065			
Frequency (MHz)				3523.5	3500	3547.5			
5	QPSK	1	0	20.42	20.43	20.22	21.5	0	
5	QPSK	1	12	20.38	20.33	20.11			
5	QPSK	1	24	20.39	20.34	20.09			
5	QPSK	12	0	19.43	19.37	19.17	20.5	1	
5	QPSK	12	7	19.41	19.38	19.13			
5	QPSK	12	13	19.40	19.35	19.10			
5	QPSK	25	0	19.29	19.32	19.09	20.5	1	
5	16QAM	1	0	19.37	19.34	19.08			
5	16QAM	1	12	19.42	19.44	19.19			
5	16QAM	1	24	19.42	19.40	19.13	19.5	2	
5	16QAM	12	0	18.47	18.40	18.23			
5	16QAM	12	7	18.30	18.42	18.22			
5	16QAM	12	13	18.37	18.43	18.12	18.5	3	
5	16QAM	25	0	18.31	18.30	18.08			
5	64QAM	1	0	18.36	18.41	18.02			
5	64QAM	1	12	18.23	18.27	18.06	16.5	5	
5	64QAM	1	24	18.30	18.25	18.04			
5	64QAM	12	0	17.26	17.41	17.10			
5	64QAM	12	7	17.23	17.19	17.01	16.5	5	
5	64QAM	12	13	17.33	17.24	17.09			
5	64QAM	25	0	17.16	17.24	16.95			
5	256QAM	1	0	15.32	15.33	15.16	16.5	5	
5	256QAM	1	12	15.26	15.30	15.22			
5	256QAM	1	24	15.37	15.34	15.17			
5	256QAM	12	0	15.37	15.27	15.02	16.5	5	
5	256QAM	12	7	15.25	15.29	15.16			
5	256QAM	12	13	15.33	15.29	15.12			
5	256QAM	25	0	15.22	15.24	15.06			

Band 48 Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power High Middle Ch / Freq	Power Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	20.44	20.46	20.39	20.38	21.5	0
20	QPSK	1	49	20.33	20.45	20.29	20.36		
20	QPSK	1	99	20.36	20.45	20.32	20.32		
20	QPSK	50	0	19.40	19.47	19.41	19.38		
20	QPSK	50	24	19.48	19.48	19.33	19.33	20.5	1
20	QPSK	50	50	19.37	19.42	19.36	19.34		
20	QPSK	100	0	19.32	19.47	19.37	19.32		
20	16QAM	1	0	19.41	19.48	19.37	19.35		
20	16QAM	1	49	19.35	19.43	19.30	19.30	20.5	1
20	16QAM	1	99	19.37	19.51	19.28	19.36		
20	16QAM	50	0	18.40	18.50	18.40	18.33		
20	16QAM	50	24	18.50	18.47	18.32	18.31		
20	16QAM	50	50	18.35	18.40	18.38	18.34	19.5	2
20	16QAM	100	0	18.37	18.49	18.32	18.34		
20	64QAM	1	0	18.50	18.40	18.38	18.32		
20	64QAM	1	49	18.38	18.49	18.25	18.30		
20	64QAM	1	99	18.32	18.42	18.34	18.37	19.5	2
20	64QAM	50	0	17.37	17.49	17.41	17.33		
20	64QAM	50	24	17.44	17.48	17.39	17.33		
20	64QAM	50	50	17.35	17.40	17.35	17.29		
20	64QAM	100	0	17.32	17.41	17.31	17.34	18.5	3
20	256QAM	1	0	15.40	15.44	15.34	15.30		
20	256QAM	1	49	15.31	15.46	15.32	15.32		
20	256QAM	1	99	15.41	15.51	15.29	15.31		
20	256QAM	50	0	15.40	15.43	15.37	15.40	16.5	5
20	256QAM	50	24	15.51	15.50	15.39	15.38		
20	256QAM	50	50	15.37	15.41	15.41	15.36		
20	256QAM	100	0	15.30	15.46	15.30	15.32		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	20.41	20.43	20.37	20.33	21.5	0
15	QPSK	1	37	20.23	20.34	20.28	20.35		
15	QPSK	1	74	20.32	20.33	20.28	20.35		
15	QPSK	36	0	19.39	19.41	19.35	19.29		
15	QPSK	36	20	19.40	19.47	19.25	19.33	20.5	1
15	QPSK	36	39	19.29	19.38	19.32	19.33		
15	QPSK	75	0	19.21	19.38	19.34	19.31		
15	16QAM	1	0	19.37	19.48	19.32	19.35		
15	16QAM	1	37	19.25	19.38	19.23	19.30	20.5	1
15	16QAM	1	74	19.35	19.39	19.25	19.27		
15	16QAM	36	0	18.40	18.41	18.36	18.25		
15	16QAM	36	20	18.45	18.44	18.28	18.20		
15	16QAM	36	39	18.34	18.30	18.34	18.33	19.5	2
15	16QAM	36	74	18.29	18.38	18.31	18.26		
15	16QAM	1	0	18.42	18.34	18.29	18.24		
15	64QAM	1	37	18.32	18.37	18.23	18.28		
15	64QAM	1	74	18.29	18.37	18.30	18.34	19.5	2
15	64QAM	36	0	17.36	17.49	17.31	17.33		
15	64QAM	36	20	17.36	17.46	17.35	17.25		
15	64QAM	36	39	17.27	17.37	17.28	17.38		
15	64QAM	75	0	17.30	17.38	17.22	17.33	18.5	3
15	256QAM	1	0	15.32	15.36	15.30	15.30		
15	256QAM	1	37	15.30	15.45	15.24	15.24		
15	256QAM	1	74	15.31	15.47	15.20	15.29		
15	256QAM	36	0	15.37	15.39	15.39	15.30	16.5	5
15	256QAM	36	20	15.47	15.42	15.36	15.30		
15	256QAM	36	39	15.25	15.33	15.31	15.33		
15	256QAM	75	0	15.25	15.41	15.26	15.26		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3553	3607.5	3642.5	3695		
10	QPSK	0	0	20.43	20.46	20.34	20.34	21.5	0
10	QPSK	1	25	20.28	20.39	20.24	20.33		
10	QPSK	1	49	20.29	20.37	20.22	20.31		
10	QPSK	25	0	19.35	19.42	19.35	19.30		
10	QPSK	25	12	19.48	19.41	19.25	19.34	20.5	1
10	QPSK	25	26	19.25	19.38	19.24	19.31		
10	QPSK	50	0	19.25	19.39	19.35	19.26		
10	16QAM	1	0	19.41	19.40	19.35	19.27		
10	16QAM	1	25	19.30	19.35	19.23	19.19	20.5	1
10	16QAM	1	49	19.30	19.44	19.22	19.36		
10	16QAM	25	0	18.34	18.41	18.31	18.26		
10	16QAM	25	12	18.50	18.36	18.29	18.24		
10	16QAM	25	26	18.35	18.37	18.31	18.29	19.5	2
10	16QAM	50	0	18.35	18.46	18.28	18.29		
10	64QAM	1	0	18.50	18.29	18.26	18.24		
10	64QAM	1	25	18.29	18.37	18.13	18.27		
10	64QAM	1	49	18.24	18.37	18.28	18.27	19.5	2
10	64QAM	1	74	17.31	17.43	17.31	17.25		
10	64QAM	25	12	17.33	17.44	17.35	17.25		
10	64QAM	25	26	17.35	17.38	17.30	17.24		
10	64QAM	50	0	17.28	17.31	17.29	17.32	18.5	3
10	256QAM	1	0	15.37	15.42	15.33	15.27		
10	256QAM	1	26	15.20	15.39	15.28	15.31		
10	256QAM	1	49	15.31	15.48	15.23	15.28		
10	256QAM	25	0	15.28	15.35	15.27	15.30	16.5	5
10	256QAM	25	12	15.49	15.39	15.33	15.27		
10	256QAM	25	26	15.28	15.33	15.38	15.28		
10	256QAM	50	0	15.25	15.43	15.28	15.23		
Channel				35515	36010	36410	36910	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	20.42	20.43	20.38	20.32	21.5	0
5	QPSK	1	12	20.28	20.35	20.24	20.26		
5	QPSK	1	24	20.33	20.40	20.30	20.30		
5	QPSK	12	0	19.38	19.44	19.36	19.35		
5	QPSK	12	7	19.39	19.45	19.25	19.25	20.5	1
5	QPSK	12	13	19.33	19.34	19.25	19.29		
5	QPSK	25	0	19.23	19.39	19.26	19.23		
5	16QAM	1	0	19.32	19.41	19.31	19.24		
5	16QAM	1	12	19.32	19.35	19.27	19.24	20.5	1
5	16QAM	1	24	19.25	19.42	19.22	19.21		
5	16QAM	12	0	18.38	18.48	18.37	18.25		
5	16QAM	12	7	18.41	18.30	18.26	18.25		
5	16QAM	12	13	18.28	18.37	18.37	18.33	19.5	2
5	16QAM	25	0	18.26	18.42	18.24	18.23		
5	64QAM	1	0	18.41	18.30	18.36	18.29		
5	64QAM	1	12	18.37	18.44	18.22	18.24		
5	64QAM	1	24	18.25	18.38	18.31	18.29	19.5	2
5	64QAM	12	0	17.32	17.42	17.33	17.22		
5	64QAM	12	7	17.39	17.38	17.32	17.21		
5	64QAM	12	13	17.32	17.29	17.31	17.24		
5	256QAM	1	0	15.30	15.46	15.24	15.24	18.5	3
5	256QAM	1	1	15.39	15.42	15.26	15.24		
5	256QAM	1	12	15.29	15.41	15.24	15.28		
5	256QAM	1	24	15.30	15.50	15.24	15.21		
5	256QAM	12	0	15.30	15.34	15.34	15.33	16.5	5
5	256QAM	12	7	15.46	15.41	15.39	15.33		
5	256QAM	12	13	15.33	15.31	15.30	15.30		
5	256QAM	25	0	15.28	15.38	15.32	15.24		

Band 38 Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37650	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	23.11	23.16	23.12	24.5	0	
20	QPSK	1	49	23.09	23.15	23.05			
20	QPSK	1	99	23.03	23.14	23.05			
20	QPSK	50	0	22.10	22.20	22.15	23.5	1	
20	QPSK	50	24	22.05	22.18	22.13			
20	QPSK	50	50	22.11	22.15	22.07			
20	QPSK	100	0	22.14	22.18	22.14	23.5	1	
20	16QAM	1	0	22.10	22.16	22.15			
20	16QAM	1	49	22.09	22.11	22.04			
20	16QAM	1	99	22.05	22.13	22.06	22.5	2	
20	16QAM	50	0	21.08	21.15	21.05			
20	16QAM	50	24	21.07	21.17	21.15			
20	16QAM	50	50	21.17	21.17	21.07	22.5	2	
20	16QAM	100	0	21.01	21.14	20.99			
20	64QAM	1	0	21.09	21.17	21.09			
20	64QAM	1	49	21.05	21.14	21.03	21.5	3	
20	64QAM	1	99	21.08	21.11	21.07			
20	64QAM	50	0	20.12	20.17	20.08			
20	64QAM	50	24	20.08	20.24	20.11	19.5	5	
20	64QAM	50	50	20.16	20.16	20.11			
20	64QAM	100	0	19.97	20.14	20.05			
20	256QAM	1	0	18.05	18.20	18.06	19.5	5	
20	256QAM	1	49	18.10	18.18	18.04			
20	256QAM	1	99	18.04	18.11	18.00			
20	256QAM	50	0	18.08	18.19	18.04	19.5	5	
20	256QAM	50	24	18.05	18.14	18.12			
20	256QAM	50	50	18.06	18.17	18.04			
20	256QAM	100	0	18.02	18.18	18.06			
Channel				37625	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	23.09	23.14	23.02	24.5	0	
15	QPSK	1	37	23.08	23.08	23.02			
15	QPSK	1	74	22.92	23.10	23.03			
15	QPSK	36	0	22.02	22.09	22.07	23.5	1	
15	QPSK	36	20	21.98	22.07	22.12			
15	QPSK	36	39	22.10	22.15	22.02			
15	QPSK	75	0	22.11	22.12	22.05	23.5	1	
15	16QAM	1	0	21.99	22.06	22.10			
15	16QAM	1	37	22.09	22.07	21.98			
15	16QAM	1	74	21.96	22.10	21.98	22.5	2	
15	16QAM	36	0	21.05	21.10	20.99			
15	16QAM	36	20	21.05	21.12	21.06			
15	16QAM	36	39	21.12	21.11	21.02	22.5	2	
15	16QAM	75	0	20.97	21.03	20.99			
15	64QAM	1	0	21.02	21.10	21.03			
15	64QAM	1	37	20.95	21.08	21.02	21.5	2	
15	64QAM	1	74	21.02	21.09	20.99			
15	64QAM	36	0	20.07	20.13	19.99			
15	64QAM	36	20	20.06	20.12	20.07	21.5	3	
15	64QAM	36	39	20.16	20.06	20.05			
15	64QAM	75	0	19.85	20.11	20.02			
15	256QAM	1	0	17.96	18.12	18.04	19.5	5	
15	256QAM	1	37	18.01	18.11	17.99			
15	256QAM	1	74	18.04	18.03	17.93			
15	256QAM	36	0	18.06	18.19	17.95	19.5	5	
15	256QAM	36	20	18.04	18.09	18.12			
15	256QAM	36	39	18.05	18.15	18.03			
15	256QAM	75	0	17.99	18.13	17.99			
Channel				37600	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	23.10	23.14	23.09	24.5	0	
10	QPSK	1	25	23.00	23.09	22.95			
10	QPSK	1	49	22.93	23.12	22.99			
10	QPSK	25	0	22.09	22.16	22.10	23.5	1	
10	QPSK	25	12	21.96	22.07	22.04			
10	QPSK	25	25	22.05	22.13	22.05			
10	QPSK	50	0	22.13	22.13	22.12	23.5	1	
10	16QAM	1	0	22.04	22.14	22.13			
10	16QAM	1	25	22.07	22.05	22.01			
10	16QAM	1	49	21.96	22.04	22.01	22.5	2	
10	16QAM	25	0	21.00	21.14	20.99			
10	16QAM	25	12	21.00	21.11	21.14			
10	16QAM	25	25	21.05	21.15	21.01	21.5	3	
10	16QAM	50	0	20.98	21.11	20.92			
10	64QAM	1	0	21.02	21.16	21.09			
10	64QAM	1	25	20.96	21.12	20.97	22.5	2	
10	64QAM	1	49	21.05	21.01	20.99			
10	64QAM	25	0	20.10	20.06	20.05			
10	64QAM	25	12	20.02	20.16	20.06	21.5	3	
10	64QAM	25	25	20.05	20.13	20.10			
10	64QAM	50	0	19.91	20.04	19.94			
10	256QAM	1	0	17.99	18.09	18.01	19.5	5	
10	256QAM	1	25	18.03	18.11	18.01			
10	256QAM	1	49	18.03	18.05	17.94			
10	256QAM	25	0	17.96	18.10	18.02	19.5	5	
10	256QAM	25	12	18.03	18.05	18.08			
10	256QAM	25	25	17.97	18.06	17.95			
10	256QAM	50	0	17.99	18.15	17.99			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2322.5	2325	2317.5			
5	QPSK	1	0	23.04	23.14	23.03	24.5	0	
5	QPSK	1	12	23.07	23.08	23.03			
5	QPSK	1	24	23.01	23.06	22.94			
5	QPSK	12	0	22.05	22.14	22.12	23.5	1	
5	QPSK	12	7	21.99	22.12	22.12			
5	QPSK	12	13	22.06	22.05	22.02			
5	QPSK	25	0	22.02	22.15	22.11	23.5	1	
5	16QAM	1	0	22.02	22.11	22.12			
5	16QAM	1	12	22.09	22.01	22.00			
5	16QAM	1	24	21.97	22.06	22.03	22.5	2	
5	16QAM	12	0	20.99	21.06	20.94			
5	16QAM	12	7	20.99	21.12	21.07			
5	16QAM	12	13	21.08	21.10	21.05	21.5	3	
5	16QAM	25	0	20.91	21.09	20.88			
5	64QAM	1	0	21.04	21.16	20.98			
5	64QAM	1	12	21.03	21.09	20.96	22.5	2	
5	64QAM	1	24	21.03	21.08	21.04			
5	64QAM	12	0	20.09	20.07	20.06			
5	64QAM	12	7	19.96	20.18	20.01	21.5	3	
5	64QAM	12	13	20.13	20.09	20.05			
5	64QAM	25	0	19.89	20.08	20.00			
5	256QAM	1	0	18.05	18.11	18.06	19.5	5	
5	256QAM	1	12	18.05	18.11	18.03			
5	256QAM	1	24	17.99	18.07	17.92			
5	256QAM	12	0	18.07	18.10	17.92	19.5	5	
5	256QAM	12	7	18.00	18.03	18.10			
5	256QAM	12	13	17.94	18.10	17.94			
5	256QAM	25	0	17.93	18.12	18.03			

Band 41 Ant 4										
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				2506	40165	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2637	2680		
20	QPSK	1	0	23.09	23.16	23.27	23.14	23.25	24.5	0
20	QPSK	1	49	23.02	23.14	23.25	23.09	23.17		
20	QPSK	1	99	23.01	23.15	23.22	23.09	23.17		
20	QPSK	50	0	22.07	22.12	22.27	22.15	22.29	23.5	1
20	QPSK	50	24	22.11	22.26	22.37	22.13	22.24		
20	QPSK	50	50	22.02	22.19	22.23	22.04	22.13		
20	QPSK	100	0	22.01	22.10	22.26	22.08	22.16	23.5	1
20	16QAM	1	0	22.14	22.12	22.24	22.11	22.24		
20	16QAM	1	49	21.98	22.16	22.20	22.11	22.20		
20	16QAM	1	99	21.97	22.19	22.18	22.04	22.21	22.5	2
20	64QAM	50	0	21.09	21.17	21.29	21.15	21.28		
20	16QAM	50	24	21.13	21.16	21.23	21.19	21.25		
20	16QAM	50	50	21.08	21.24	21.27	21.03	21.13	22.5	2
20	16QAM	100	0	21.05	21.10	21.22	21.09	21.15		
20	64QAM	1	0	21.04	21.21	21.26	21.19	21.21		
20	64QAM	1	49	21.03	21.09	21.24	21.07	21.15	22.5	2
20	64QAM	1	99	21.02	21.14	21.24	21.08	21.20		
20	64QAM	50	0	20.11	20.17	20.29	20.14	20.34		
20	64QAM	50	24	20.12	20.20	20.28	20.19	20.21	21.5	3
20	64QAM	50	50	20.00	20.23	20.27	20.05	20.10		
20	64QAM	100	0	19.95	20.13	20.29	20.13	20.20		
20	256QAM	1	0	17.97	18.12	18.19	18.03	18.12	19.5	5
20	256QAM	1	49	17.92	18.02	18.22	18.03	18.09		
20	256QAM	1	99	17.96	18.01	18.16	18.04	18.03		
20	256QAM	50	0	18.11	18.10	18.28	18.11	18.25	19.5	5
20	256QAM	50	24	18.17	18.15	18.23	18.08	18.23		
20	256QAM	50	50	18.04	18.24	18.26	17.98	18.19		
20	256QAM	100	0	17.96	18.12	18.17	18.01	18.19		
Channel				39725 <th>40173<th>40620<th>41058<th>41515<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th></th></th></th>	40173 <th>40620<th>41058<th>41515<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th></th></th>	40620 <th>41058<th>41515<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th></th>	41058 <th>41515<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th>	41515 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th>	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5 <th>2548.3<th>2593<th>2637.8<th>2682.5<th></th><th></th></th></th></th></th>	2548.3 <th>2593<th>2637.8<th>2682.5<th></th><th></th></th></th></th>	2593 <th>2637.8<th>2682.5<th></th><th></th></th></th>	2637.8 <th>2682.5<th></th><th></th></th>	2682.5 <th></th> <th></th>		
15	QPSK	1	0	23.07	23.11	23.23	23.05	23.22	24.50	0
15	QPSK	1	37	22.92	23.13	23.19	23.09	23.16		
15	QPSK	1	74	22.97	23.12	23.22	22.98	23.15		
15	QPSK	36	0	21.99	22.08	22.22	22.12	22.21	23.5	1
15	QPSK	36	20	21.99	22.08	22.14	22.11	22.20		
15	QPSK	36	39	22.02	22.17	22.21	21.96	22.05		
15	QPSK	75	0	21.89	21.99	22.12	22.03	22.09	23.5	1
15	16QAM	1	0	22.08	22.10	22.16	21.99	22.18		
15	16QAM	1	37	21.94	22.13	22.13	22.03	22.14		
15	16QAM	1	74	21.90	22.12	22.08	21.99	22.13	22.5	2
15	16QAM	36	0	21.08	21.12	21.19	21.04	21.22		
15	16QAM	36	20	21.01	21.10	21.17	21.16	21.15		
15	16QAM	36	39	21.05	21.21	21.23	21.03	21.07	22.5	2
15	16QAM	75	0	21.05	21.03	21.15	21.08	21.09		
15	64QAM	1	0	20.95	21.13	21.18	21.17	21.11		
15	64QAM	1	37	20.95	20.98	21.19	20.99	21.08	21.5	3
15	64QAM	36	0	20.00	20.06	20.20	20.07	20.23		
15	64QAM	36	20	20.09	20.14	20.27	20.15	20.19		
15	64QAM	36	39	19.91	20.17	20.27	19.94	20.09	19.5	5
15	64QAM	75	0	19.94	20.05	20.28	20.05	20.19		
15	256QAM	1	0	17.91	18.03	18.09	18.02	18.04		
15	256QAM	1	37	17.89	17.97	18.07	17.98	18.07	19.5	5
15	256QAM	1	74	17.96	17.89	18.14	18.03	17.97		
15	256QAM	36	0	18.03	17.99	18.20	18.06	18.21		
15	256QAM	36	20	18.12	18.05	18.12	18.07	18.12	19.5	5
15	256QAM	36	39	17.99	18.12	18.17	17.87	18.11		
15	256QAM	75	0	17.92	18.08	18.10	17.96	18.16		
Channel				39700 <th>40160<th>40620<th>41080<th>41540<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th></th></th></th>	40160 <th>40620<th>41080<th>41540<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th></th></th>	40620 <th>41080<th>41540<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th></th>	41080 <th>41540<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th>	41540 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th>	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				22.01 <th>22.47<th>2293<th>2333<th>2385<th></th><th></th></th></th></th></th>	22.47 <th>2293<th>2333<th>2385<th></th><th></th></th></th></th>	2293 <th>2333<th>2385<th></th><th></th></th></th>	2333 <th>2385<th></th><th></th></th>	2385 <th></th> <th></th>		
10	QPSK	1	0	23.01	23.01	23.25	23.04	23.24	24.50	0
10	QPSK	1	25	22.93	23.08	23.24	23.05	23.05		
10	QPSK	1	49	22.92	23.12	23.19	23.01	23.16		
10	QPSK	25	0	22.05	22.07	22.22	22.06	22.25	23.5	1
10	QPSK	25	12	22.07	22.13	22.16	22.04	22.12		
10	QPSK	25	25	22.00	22.16	22.13	22.04	22.04		
10	QPSK	36	0	21.97	22.02	22.16	22.07	22.05	23.5	1
10	16QAM	1	0	22.08	22.07	22.17	22.02	22.22		
10	16QAM	1	25	21.92	22.10	22.16	22.07	22.12		
10	16QAM	1	49	21.93	22.17	22.11	22.02	22.13	22.5	2
10	16QAM	25	0	21.06	21.13	21.21	21.03	21.27		
10	16QAM	25	12	21.11	21.14	21.22	21.16	21.21		
10	16QAM	25	25	21.02	21.15	21.20	20.96	21.09	22.5	2
10	16QAM	50	0	20.95	21.08	21.19	21.08	21.09		
10	64QAM	1	0	20.97	21.19	21.17	21.14	21.18		
10	64QAM	1	25	21.02	21.09	21.23	21.01	21.05	22.5	2
10	64QAM	1	49	21.00	21.04	21.18	21.08	21.09		
10	64QAM	25	0	20.06	20.10	20.22	20.07	20.24		
10	64QAM	25	12	20.10	20.10	20.21	20.11	20.16	21.5	3
10	64QAM	25	25	19.94	20.19	20.23	20.04	20.03		
10	64QAM	50	0	19.90	20.11	20.28	20.10	20.18		
10	256QAM	1	0	17.96	18.10	18.08	17.92	18.03	19.5	5
10	256QAM	1	25	17.81	17.94	18.07	17.97	17.88		
10	256QAM	1	49	17.89	17.92	18.08	17.98	18.00		
10	256QAM	25	0	18.09	18.05	18.26	18.03	18.19	19.5	5
10	256QAM	25	12	18.14	18.09	18.16	18.02	18.16		
10	256QAM	25	25	17.94	18.20	18.16	17.94	18.09		
10	256QAM	50	0	17.90	18.09	18.15	18.02	18.07		
Channel				39713 <th>40164<th>40623<th>41059<th>41505<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th></th></th></th>	40164 <th>40623<th>41059<th>41505<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th></th></th>	40623 <th>41059<th>41505<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th></th>	41059 <th>41505<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th>	41505 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th>	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				22.015 <th>22.458<th>2293<th>2340.30<th>2387.5<th></th><th></th></th></th></th></th>	22.458 <th>2293<th>2340.30<th>2387.5<th></th><th></th></th></th></th>	2293 <th>2340.30<th>2387.5<th></th><th></th></th></th>	2340.30 <th>2387.5<th></th><th></th></th>	2387.5 <th></th> <th></th>		
5	QPSK	1	0	22.97	23.05	23.24	23.02	23.14	24.50	0
5	QPSK	1	12	22.94	23.03	23.14	23.08	23.11		
5	QPSK	1	24	22.91	23.13	23.15	23.06	23.12		
5	QPSK	12	0	21.97	22.10	22.25	21.07	22.22	23.5	1
5	QPSK	12	13	22.05	22.11	22.25	22.06	22.22		
5	QPSK	12	13	21.98	22.12	22.20	21.97	22.06		
5	QPSK	25	0	21.92	21.98	22.18	22.02	22.05	23.5	1
5	16QAM	1	0	22.11	22.05	22.14	22.04	22.16		
5	16QAM	1	12	21.95	22.04	22.15	22.07	22.21		
5	16QAM	1	24	21.96	22.16	22.22	21.97	22.21	22.5	2
5	16QAM	12	0	21.00	21.14	21.16	21.04	21.28		
5	16QAM	12	7	21.02	21.08	21.14	21.16	21.19		
5	16QAM	12	13	21.01	21.16	21.23	20.94	21.04	21.5	3
5	16QAM	25	0	20.96	21.09	21.18	21.06	21.09		
5	16QAM	25	0	20.95	21.16	21.19	21.10	21.21		
5	64QAM	1	12	20.91	20.98	21.20	21.03	21.12	22.5	2
5	64QAM	1	24	20.94	21.12	21.16	21.04	21.08		
5	64QAM	12	0	20.05	20.15	20.23	20.08	20.27		
5	64QAM	12	7	20.08	20.16	20.18	20.08	20.10	21.5	3
5	64QAM	12	13	19.91	20.20	20.16	20.01	20.09		
5	64QAM	25	0	19.93	20.10	20.19	20.11	20.20		
5	256QAM	1	0	17.96	18.06	18.16	17.98	18.11	19.5	5
5	256QAM	1	12	17.90	17.93	18.01	17.93	17.98		
5	256QAM	1	24	17.90	17.97	18.12	18.01	18.01		
5	256QAM	12	0	18.10	18.07	18.24	17.99	18.16	19.5	5
5	256QAM	12	7	18.15	18.03	18.18	18.06	18.19		
5	256QAM	12	13	18.05	18.15	18.25	17.98	18.12		
5	256QAM	25	0	17.86	18.01	18.13	17.98	18.18		

Band 42 Part 27Q Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	24.56	24.59	24.54	25.5	0	
20	QPSK	1	49	24.54	24.57	24.51			
20	QPSK	1	99	24.52	24.56	24.49	24.5	1	
20	QPSK	50	0	23.53	23.57	23.52			
20	QPSK	50	24	23.57	23.56	23.57	24.5	1	
20	QPSK	50	50	23.54	23.55	23.45			
20	QPSK	100	0	23.52	23.55	23.54	24.5	1	
20	16QAM	1	0	23.53	23.57	23.52			
20	16QAM	1	49	23.56	23.58	23.46	23.5	2	
20	16QAM	1	99	23.52	23.60	23.46			
20	16QAM	50	0	22.48	22.56	22.51	23.5	2	
20	16QAM	50	24	22.52	22.50	22.51			
20	16QAM	50	50	22.59	22.52	22.48	23.5	2	
20	16QAM	100	0	22.47	22.56	22.53			
20	64QAM	1	0	22.53	22.56	22.57	23.5	2	
20	64QAM	1	49	22.50	22.56	22.50			
20	64QAM	1	99	22.51	22.60	22.45	22.5	3	
20	64QAM	50	0	21.58	21.61	21.53			
20	64QAM	50	24	21.54	21.58	21.59	20.5	5	
20	64QAM	50	50	21.56	21.61	21.41			
20	64QAM	100	0	21.55	21.52	21.55	20.5	5	
20	256QAM	1	0	19.55	19.56	19.49			
20	256QAM	1	49	19.54	19.56	19.53	20.5	5	
20	256QAM	1	99	19.54	19.61	19.48			
20	256QAM	50	0	19.57	19.59	19.52	20.5	5	
20	256QAM	50	24	19.52	19.54	19.61			
20	256QAM	50	50	19.53	19.56	19.48	20.5	5	
20	256QAM	100	0	19.55	19.57	19.56			
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3421.5	3500	3522.5			
15	QPSK	1	0	24.46	24.56	24.47	25.5	0	
15	QPSK	1	37	24.46	24.47	24.39			
15	QPSK	1	74	24.40	24.48	24.48	24.5	1	
15	QPSK	36	0	23.44	23.45	23.51			
15	QPSK	36	20	23.52	23.49	23.54	24.5	1	
15	QPSK	36	39	23.49	23.45	23.41			
15	QPSK	75	0	23.40	23.46	23.46	24.5	1	
15	16QAM	1	0	23.46	23.56	23.40			
15	16QAM	1	37	23.48	23.47	23.36	24.5	1	
15	16QAM	1	74	23.49	23.50	23.36			
15	16QAM	36	0	22.36	22.50	22.47	23.5	2	
15	16QAM	36	20	22.51	22.46	22.49			
15	16QAM	36	39	22.48	22.50	22.42	23.5	2	
15	16QAM	75	0	22.45	22.51	22.46			
15	64QAM	1	0	22.50	22.51	22.46	23.5	2	
15	64QAM	1	37	22.40	22.46	22.47			
15	64QAM	1	74	22.46	22.51	22.43	22.5	3	
15	64QAM	36	0	21.51	21.59	21.52			
15	64QAM	36	20	21.47	21.46	21.57	20.5	5	
15	64QAM	36	39	21.51	21.54	21.33			
15	64QAM	75	0	21.50	21.45	21.48	20.5	5	
15	256QAM	1	0	19.52	19.51	19.41			
15	256QAM	1	37	19.43	19.56	19.51	20.5	5	
15	256QAM	1	74	19.46	19.60	19.42			
15	256QAM	36	0	19.56	19.57	19.40	20.5	5	
15	256QAM	36	20	19.46	19.45	19.57			
15	256QAM	36	39	19.50	19.50	19.40	20.5	5	
15	256QAM	75	0	19.51	19.51	19.45			
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	24.51	24.58	24.43	25.5	0	
10	QPSK	1	25	24.47	24.50	24.43			
10	QPSK	1	49	24.49	24.55	24.41	24.5	1	
10	QPSK	25	0	23.44	23.56	23.45			
10	QPSK	25	12	23.52	23.45	23.50	24.5	1	
10	QPSK	25	25	23.49	23.50	23.43			
10	QPSK	50	0	23.44	23.53	23.50	24.5	1	
10	16QAM	1	0	23.49	23.45	23.44			
10	16QAM	1	25	23.52	23.47	23.45	23.5	2	
10	16QAM	1	49	23.40	23.60	23.44			
10	16QAM	25	0	22.44	22.55	22.48	23.5	2	
10	16QAM	25	12	22.44	22.39	22.46			
10	16QAM	25	25	22.56	22.49	22.41	23.5	2	
10	16QAM	50	0	22.41	22.54	22.51			
10	64QAM	1	0	22.48	22.54	22.50	23.5	2	
10	64QAM	1	25	22.49	22.49	22.46			
10	64QAM	1	49	22.41	22.56	22.36	22.5	3	
10	64QAM	25	0	21.55	21.57	21.48			
10	64QAM	25	12	21.49	21.54	21.51	20.5	5	
10	64QAM	25	25	21.49	21.50	21.30			
10	64QAM	50	0	21.43	21.47	21.49	20.5	5	
10	256QAM	1	0	19.45	19.52	19.42			
10	256QAM	1	25	19.50	19.53	19.45	20.5	5	
10	256QAM	1	49	19.53	19.51	19.37			
10	256QAM	25	0	19.49	19.52	19.47	20.5	5	
10	256QAM	25	12	19.44	19.44	19.50			
10	256QAM	25	25	19.46	19.48	19.43	20.5	5	
10	256QAM	50	0	19.49	19.55	19.52			
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3421.5	3500	3547.5			
5	QPSK	1	0	24.50	24.54	24.49	25.5	0	
5	QPSK	1	12	24.44	24.54	24.47			
5	QPSK	1	24	24.50	24.52	24.39	24.5	1	
5	QPSK	12	0	23.44	23.46	23.44			
5	QPSK	12	7	23.45	23.45	23.46	24.5	1	
5	QPSK	12	13	23.46	23.45	23.38			
5	QPSK	25	0	23.43	23.49	23.50	24.5	1	
5	16QAM	1	0	23.53	23.51	23.42			
5	16QAM	1	12	23.54	23.48	23.37	23.5	2	
5	16QAM	1	24	23.44	23.59	23.38			
5	16QAM	12	0	22.45	22.48	22.44	23.5	2	
5	16QAM	12	7	22.45	22.45	22.48			
5	16QAM	12	13	22.47	22.50	22.42	23.5	2	
5	16QAM	25	0	22.36	22.51	22.44			
5	64QAM	1	0	22.48	22.49	22.53	23.5	2	
5	64QAM	1	12	22.42	22.53	22.47			
5	64QAM	1	24	22.45	22.49	22.42	22.5	3	
5	64QAM	12	0	21.50	21.57	21.45			
5	64QAM	12	7	21.52	21.54	21.57	20.5	5	
5	64QAM	12	13	21.48	21.54	21.30			
5	64QAM	25	0	21.54	21.45	21.47	20.5	5	
5	256QAM	1	0	19.47	19.44	19.38			
5	256QAM	1	12	19.52	19.55	19.51	20.5	5	
5	256QAM	1	24	19.52	19.59	19.40			
5	256QAM	12	0	19.51	19.53	19.44	20.5	5	
5	256QAM	12	7	19.40	19.42	19.59			
5	256QAM	12	13	19.42	19.46	19.39	20.5	5	
5	256QAM	25	0	19.55	19.45	19.54			

Band 42 Part 27Q Ant 7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	22.83	22.86	22.75	24	0	
20	QPSK	1	49	22.75	22.82	22.68			
20	QPSK	1	99	22.70	22.80	22.66			
20	QPSK	50	0	21.82	21.88	21.80	23	1	
20	QPSK	50	24	21.74	21.80	21.70			
20	QPSK	50	50	21.76	21.85	21.61			
20	QPSK	100	0	21.82	21.82	21.70	23	1	
20	16QAM	1	0	21.80	21.81	21.81			
20	16QAM	1	49	21.76	21.80	21.66			
20	16QAM	1	99	21.76	21.84	21.63	22	2	
20	16QAM	50	0	20.80	20.81	20.80			
20	16QAM	50	24	20.70	20.76	20.75			
20	16QAM	50	50	20.73	20.87	20.63	21	3	
20	16QAM	100	0	20.82	20.82	20.72			
20	64QAM	1	0	20.79	20.80	20.80			
20	64QAM	1	49	20.76	20.75	20.71	22	2	
20	64QAM	1	99	20.76	20.80	20.67			
20	64QAM	50	0	19.78	19.85	19.85			
20	64QAM	50	24	19.71	19.76	19.84	21	3	
20	64QAM	50	50	19.75	19.86	19.61			
20	64QAM	100	0	19.82	19.76	19.74			
20	256QAM	1	0	17.85	17.81	17.82	19	5	
20	256QAM	1	49	17.79	17.80	17.68			
20	256QAM	1	99	17.79	17.88	17.61			
20	256QAM	50	0	17.83	17.81	17.73	19	5	
20	256QAM	50	24	17.79	17.83	17.83			
20	256QAM	50	50	17.79	17.85	17.62			
20	256QAM	100	0	17.75	17.84	17.67	Tune-up limit (dBm)	MPR (dB)	
Channel				42165	42590	43015			
Frequency (MHz)				3457.5	3500	3542.5	24	0	
15	QPSK	1	0	22.72	22.75	22.67			
15	QPSK	1	37	22.70	22.79	22.66	23	1	
15	QPSK	1	74	22.64	22.76	22.56			
15	QPSK	36	0	21.71	21.83	21.72			
15	QPSK	36	20	21.71	21.67	21.61	23	1	
15	QPSK	36	39	21.69	21.80	21.47			
15	QPSK	75	0	21.77	21.71	21.62			
15	16QAM	1	0	21.69	21.72	21.75	23	1	
15	16QAM	1	37	21.73	21.75	21.53			
15	16QAM	1	74	21.66	21.71	21.57			
15	16QAM	36	0	20.69	20.74	20.71	22	2	
15	16QAM	36	20	20.63	20.71	20.62			
15	16QAM	36	39	20.68	20.77	20.58			
15	16QAM	75	0	20.71	20.75	20.62	22	2	
15	64QAM	1	0	20.68	20.68	20.72			
15	64QAM	1	37	20.69	20.71	20.58			
15	64QAM	1	74	20.70	20.73	20.60	21	3	
15	64QAM	36	0	19.66	19.75	19.75			
15	64QAM	36	20	19.59	19.65	19.56			
15	64QAM	36	39	19.65	19.80	19.52	19	5	
15	64QAM	75	0	19.80	19.65	19.63			
15	256QAM	1	0	17.78	17.77	17.64			
15	256QAM	1	37	17.76	17.66	17.64	19	5	
15	256QAM	1	74	17.76	17.75	17.57			
15	256QAM	36	0	17.70	17.68	17.70			
15	256QAM	36	20	17.75	17.71	17.72	19	5	
15	256QAM	36	39	17.66	17.75	17.54			
15	256QAM	75	0	17.72	17.73	17.61			
Channel				42140	42590	43040	24	0	
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	22.77	22.81	22.66	23	1	
10	QPSK	1	25	22.61	22.74	22.63			
10	QPSK	1	49	22.63	22.67	22.56			
10	QPSK	25	0	21.70	21.82	21.72	23	1	
10	QPSK	25	12	21.72	21.70	21.64			
10	QPSK	25	25	21.72	21.78	21.50			
10	QPSK	50	0	21.73	21.70	21.65	23	1	
10	16QAM	1	0	21.77	21.68	21.77			
10	16QAM	1	25	21.74	21.73	21.56			
10	16QAM	1	49	21.63	21.72	21.58	22	2	
10	16QAM	25	0	20.74	20.68	20.74			
10	16QAM	25	12	20.58	20.72	20.72			
10	16QAM	25	25	20.62	20.85	20.55	22	2	
10	16QAM	50	0	20.78	20.72	20.61			
10	64QAM	1	0	20.67	20.77	20.73			
10	64QAM	1	25	20.66	20.70	20.68	21	3	
10	64QAM	1	49	20.71	20.75	20.61			
10	64QAM	25	0	19.71	19.76	19.74			
10	64QAM	25	12	19.64	19.64	19.52	19	5	
10	64QAM	25	25	19.65	19.77	19.47			
10	64QAM	50	0	19.76	19.70	19.60			
10	256QAM	1	0	17.73	17.71	17.74	19	5	
10	256QAM	1	25	17.67	17.73	17.63			
10	256QAM	1	49	17.65	17.86	17.49			
10	256QAM	25	0	17.72	17.74	17.65	19	5	
10	256QAM	25	12	17.72	17.76	17.77			
10	256QAM	25	25	17.67	17.75	17.49			
10	256QAM	50	0	17.69	17.75	17.60	Tune-up limit (dBm)	MPR (dB)	
Channel				42115	42590	43065			
Frequency (MHz)				3242.5	3300	3357.5	24	0	
5	QPSK	1	0	22.70	22.79	22.66			
5	QPSK	1	12	22.72	22.76	22.55	23	1	
5	QPSK	1	24	22.61	22.70	22.63			
5	QPSK	12	0	21.70	21.79	21.78			
5	QPSK	12	7	21.70	21.77	21.62	23	1	
5	QPSK	12	13	21.73	21.61	21.49			
5	QPSK	25	0	21.90	21.76	21.60			
5	16QAM	1	0	21.72	21.79	21.78	23	1	
5	16QAM	1	12	21.74	21.72	21.52			
5	16QAM	1	24	21.68	21.71	21.51			
5	16QAM	12	0	20.67	20.78	20.67	22	2	
5	16QAM	12	7	20.57	20.71	20.62			
5	16QAM	12	13	20.66	20.81	20.50			
5	16QAM	25	0	20.77	20.77	20.67	22	2	
5	64QAM	1	0	20.74	20.76	20.74			
5	64QAM	1	12	20.64	20.68	20.68			
5	64QAM	1	24	20.66	20.75	20.57	21	3	
5	64QAM	12	0	19.67	19.63	19.72			
5	64QAM	12	7	19.57	19.63	19.53			
5	64QAM	12	13	19.64	19.77	19.56	19	5	
5	64QAM	25	0	19.79	19.69	19.66			
5	256QAM	1	0	17.80	17.73	17.80			
5	256QAM	1	12	17.71	17.76	17.55	19	5	
5	256QAM	1	24	17.73	17.77	17.53			
5	256QAM	12	0	17.74	17.73	17.70			
5	256QAM	12	7	17.69	17.79	17.76	19	5	
5	256QAM	12	13	17.73	17.80	17.55			
5	256QAM	25	0	17.70	17.75	17.60			

Band 48 Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Low Middle Ch. / Freq	Power High Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				35520	3609	3641	3690		
20	QPSK	1	0	22.15	22.23	22.20	22.16	23.5	0
20	QPSK	1	49	22.05	22.16	22.12	22.06		
20	QPSK	1	99	22.03	22.12	22.16	22.10		
20	QPSK	50	0	21.18	21.25	21.15	21.16		
20	QPSK	50	24	21.08	21.12	21.15	21.09	22.5	1
20	QPSK	50	50	21.02	21.15	21.21	21.05		
20	QPSK	100	0	21.11	21.21	21.19	21.19		
20	16QAM	1	0	21.19	21.18	21.24	21.15		
20	16QAM	1	49	21.03	21.17	21.08	21.01	22.5	1
20	16QAM	1	99	21.00	21.17	21.22	21.15		
20	16QAM	50	0	20.15	20.22	20.15	20.13		
20	16QAM	50	24	20.03	20.16	20.15	20.08		
20	16QAM	50	20	19.97	20.20	20.17	20.01	21.5	2
20	16QAM	100	0	20.14	20.20	20.24	20.14		
20	64QAM	1	0	20.19	20.13	20.26	20.17		
20	64QAM	1	49	20.07	20.14	20.21	20.16		
20	64QAM	1	99	19.99	20.14	20.26	20.17	21.5	2
20	64QAM	50	0	19.17	19.23	19.18	19.13		
20	64QAM	50	24	19.00	19.11	19.20	19.02		
20	64QAM	50	50	19.01	19.12	19.25	19.07		
20	64QAM	100	0	19.08	19.16	19.20	19.13	20.5	3
20	256QAM	1	0	17.17	17.24	17.12	17.19		
20	256QAM	1	49	17.06	17.13	17.15	17.04		
20	256QAM	1	99	16.98	17.20	17.17	17.00		
20	256QAM	50	0	17.10	17.22	17.20	17.21	18.5	5
20	256QAM	50	24	17.25	17.24	17.24	17.14		
20	256QAM	50	50	16.99	17.18	17.03	17.04		
20	256QAM	100	0	16.99	17.19	17.26	17.19		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	22.04	22.20	22.10	22.10	23.5	0
15	QPSK	1	37	22.02	22.13	21.99	21.87		
15	QPSK	1	74	21.90	22.01	22.07	22.02		
15	QPSK	36	0	21.13	21.19	21.10	21.11		
15	QPSK	36	20	21.02	21.08	21.14	21.06	22.5	1
15	QPSK	36	39	20.89	21.03	21.19	20.94		
15	QPSK	75	0	21.04	21.15	21.16	21.05		
15	16QAM	1	0	21.07	21.16	21.20	21.08		
15	16QAM	1	37	20.96	21.05	20.97	20.86	22.5	1
15	16QAM	1	74	20.91	21.10	21.16	21.04		
15	16QAM	36	0	20.06	20.11	20.08	20.08		
15	16QAM	36	20	19.92	20.03	20.01	19.98		
15	16QAM	36	39	19.89	20.13	20.08	19.91	21.5	2
15	16QAM	36	74	20.11	20.06	20.21	20.03		
15	64QAM	1	0	20.16	0	20.19	20.06		
15	64QAM	1	37	19.98	20.09	20.09	19.91		
15	64QAM	1	74	19.90	20.01	20.22	20.05	21.5	2
15	64QAM	36	0	19.11	19.12	19.04	19.01		
15	64QAM	36	20	18.91	19.98	19.18	18.90		
15	64QAM	36	39	18.91	19.03	19.15	19.02		
15	64QAM	75	0	18.98	19.08	19.17	19.01	20.5	3
15	256QAM	1	0	17.04	17.18	17.03	17.11		
15	256QAM	1	37	16.94	17.00	17.10	17.01		
15	256QAM	1	74	16.90	17.10	17.10	16.94		
15	256QAM	36	0	17.00	17.17	17.12	17.00	18.5	5
15	256QAM	36	20	17.22	17.18	17.16	17.10		
15	256QAM	36	39	16.90	17.11	16.90	16.99		
15	256QAM	75	0	16.88	17.16	17.24	17.10		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3553	3607.5	3642.5	3695		
10	QPSK	1	0	22.11	22.18	22.09	22.09	23.5	0
10	QPSK	1	49	21.96	22.09	22.03	21.98		
10	QPSK	25	0	21.11	21.17	21.13	21.11		
10	QPSK	25	12	21.00	21.05	21.06	21.01		
10	QPSK	25	26	20.98	21.11	21.15	20.97	22.5	1
10	QPSK	50	0	21.07	21.10	21.12	21.06		
10	16QAM	1	0	21.14	21.06	21.13	21.04		
10	16QAM	1	25	20.99	21.12	21.04	20.92		
10	16QAM	1	49	20.95	21.10	21.10	21.05	21.5	2
10	16QAM	25	0	20.05	20.15	20.06	20.05		
10	16QAM	25	12	20.00	20.05	20.12	20.00		
10	16QAM	25	25	19.93	20.11	20.04	19.90		
10	16QAM	50	0	20.09	20.15	20.13	20.08	20.5	2
10	64QAM	1	0	20.16	20.01	20.16	20.04		
10	64QAM	1	25	19.93	20.03	20.03	19.84		
10	64QAM	1	49	19.93	20.08	20.20	19.12		
10	64QAM	25	12	19.12	19.13	19.08	19.11	20.5	3
10	64QAM	25	25	18.87	19.07	19.11	18.98		
10	64QAM	50	0	18.92	19.04	19.23	19.05		
10	64QAM	50	0	18.96	19.14	19.08	19.11		
10	256QAM	1	0	17.14	17.17	17.02	17.17	18.5	5
10	256QAM	25	0	17.00	17.08	17.12	16.98		
10	256QAM	25	16	16.97	17.09	17.17	16.95		
10	256QAM	25	0	16.97	17.17	17.14	17.08		
10	256QAM	25	12	16.97	17.10	17.16	17.07	18.5	5
10	256QAM	25	25	16.96	17.04	16.92	16.90		
10	256QAM	50	0	16.90	17.07	17.14	17.14		
10	256QAM	50	0	16.90	17.07	17.14	17.14		
Channel				55815	56170	56170	56697	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	22.10	22.11	22.13	22.08	23.5	0
5	QPSK	1	12	21.95	22.08	22.05	21.98		
5	QPSK	1	24	22.00	22.04	22.12	22.08		
5	QPSK	12	0	21.05	21.23	21.06	21.08		
5	QPSK	12	13	20.95	21.10	21.03	20.94	22.5	1
5	QPSK	12	13	20.94	21.03	21.18	20.92		
5	QPSK	25	0	21.09	21.16	21.08	21.16		
5	16QAM	1	0	21.13	21.14	21.20	21.09		
5	16QAM	1	12	20.99	21.08	21.07	20.91	22.5	1
5	16QAM	1	24	20.89	21.06	21.17	20.85		
5	16QAM	12	0	20.09	20.11	20.08	20.10		
5	16QAM	12	7	19.92	20.05	20.08	19.97		
5	16QAM	12	13	19.94	20.08	20.08	19.87	21.5	2
5	16QAM	25	0	20.04	20.11	20.14	20.08		
5	64QAM	1	0	20.14	20.11	20.23	20.08		
5	64QAM	1	12	20.04	20.04	20.20	19.95		
5	64QAM	1	24	19.94	20.01	20.23	20.15	21.5	2
5	64QAM	12	0	19.14	19.14	19.13	19.04		
5	64QAM	12	7	18.97	18.98	19.09	18.97		
5	64QAM	12	13	18.89	19.09	19.14	18.96		
5	256QAM	1	0	19.01	19.05	19.07	18.97	20.5	3
5	256QAM	1	0	17.05	17.18	17.08	17.16		
5	256QAM	1	12	16.95	17.18	17.04	16.91		
5	256QAM	1	24	16.90	17.08	17.06	16.86		
5	256QAM	12	0	16.97	17.17	17.14	17.07	18.5	5
5	256QAM	12	7	17.21	17.17	17.14	17.05		
5	256QAM	12	13	16.92	17.12	16.95	16.98		
5	256QAM	25	0	16.99	17.17	17.12	17.17		

Reduced Power Mode for Main PA DSI1

GSM850 Ant 1 DSI1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8	824.2	836.4	848.8		
Frequency (MHz)	824.2	836.4	848.8	824.2	836.4	848.8		
GSM 1 Tx slot	32.26	32.29	32.28	33.50	23.26	23.29	23.28	24.50
GPRS 1 Tx slot	32.24	32.26	32.24	33.50	23.24	23.26	23.24	24.50
GPRS 2 Tx slots	31.43	31.53	31.51	32.50	25.43	25.53	25.51	26.50
GPRS 3 Tx slots	29.67	29.75	29.77	31.00	25.41	25.49	25.51	26.74
GPRS 4 Tx slots	26.63	26.87	26.73	30.00	25.63	25.87	25.73	27.00
EDGE 1 Tx slot	26.87	26.99	26.94	28.00	17.87	17.99	17.94	19.00
EDGE 2 Tx slots	23.95	23.99	23.90	25.00	17.95	17.99	17.90	19.00
EDGE 3 Tx slots	22.09	22.15	22.13	23.20	17.83	17.89	17.87	18.94
EDGE 4 Tx slots	20.63	20.98	20.94	22.00	17.83	17.98	17.94	19.00

GSM1900 Ant 1 DSI1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8	1850.2	1880	1909.8		
Frequency (MHz)	1850.2	1880	1909.8	1850.2	1880	1909.8		
GSM 1 Tx slot	29.18	29.45	29.43	30.50	20.18	20.45	20.43	21.50
GPRS 1 Tx slot	29.31	29.38	29.36	30.50	20.31	20.38	20.36	21.50
GPRS 2 Tx slots	28.46	28.47	28.36	29.50	22.46	22.47	22.36	23.50
GPRS 3 Tx slots	26.74	26.73	26.67	28.00	22.48	22.47	22.41	23.74
GPRS 4 Tx slots	25.60	25.61	25.59	27.00	22.60	22.61	22.59	24.00
EDGE 1 Tx slot	25.84	25.90	25.81	27.00	16.84	16.90	16.81	18.00
EDGE 2 Tx slots	22.85	22.88	22.80	24.00	16.85	16.88	16.80	18.00
EDGE 3 Tx slots	21.02	21.08	21.01	22.20	16.76	16.82	16.75	17.94
EDGE 4 Tx slots	19.82	19.87	19.82	21.00	16.82	16.87	16.82	18.00

Band		WCDMA II Ant 1 DSI1			Tune-up Limit (dBm)	WCDMA IV Ant 1 DSI1			Tune-up Limit (dBm)	WCDMA V Ant 1 DSI1			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.8	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	22.88	22.94	22.83	24.00	23.83	23.89	23.80	25.00	24.38	24.46	24.35	25.50
3GPP Rel 99	AMR 12.2Kbps	22.91	22.98	22.93	24.00	23.91	23.96	23.92	25.00	24.48	24.50	24.44	25.50
3GPP Rel 6	HSDPA Subtest-1	21.92	21.96	21.87	23.00	22.91	22.91	22.94	24.00	23.52	23.54	23.46	24.50
3GPP Rel 6	HSDPA Subtest-2	21.88	21.96	21.97	23.00	22.93	22.93	22.94	24.00	23.50	23.47	23.43	24.50
3GPP Rel 6	HSDPA Subtest-3	21.36	21.43	21.47	22.50	22.38	22.45	22.38	23.50	22.94	23.01	22.90	24.00
3GPP Rel 6	HSDPA Subtest-4	21.37	21.53	21.43	22.50	22.46	22.47	22.40	23.50	23.01	22.98	22.91	24.00
3GPP Rel 6	DC-HSDPA Subtest-1	21.89	22.04	21.88	23.00	22.89	23.02	22.91	24.00	23.46	23.56	23.41	24.50
3GPP Rel 8	DC-HSDPA Subtest-2	21.90	22.01	21.94	23.00	22.94	22.98	22.96	24.00	23.47	23.53	23.48	24.50
3GPP Rel 8	DC-HSDPA Subtest-3	21.38	21.44	21.45	22.50	22.40	22.51	22.45	23.50	23.01	23.04	22.94	24.00
3GPP Rel 8	DC-HSDPA Subtest-4	21.46	21.48	21.45	22.50	22.42	22.41	22.46	23.50	23.01	23.01	22.97	24.00
3GPP Rel 6	HSUPA Subtest-1	21.87	22.02	21.99	23.00	22.95	22.98	22.95	24.00	23.49	23.52	23.42	24.50
3GPP Rel 6	HSUPA Subtest-2	19.88	19.99	19.98	21.00	20.96	20.95	20.94	22.00	21.48	21.50	21.41	22.50
3GPP Rel 6	HSUPA Subtest-3	20.96	21.03	20.94	22.00	21.90	21.93	21.89	23.00	22.51	22.48	22.38	23.50
3GPP Rel 6	HSUPA Subtest-4	19.86	19.93	19.88	21.00	20.88	20.99	20.91	22.00	21.46	21.51	21.45	22.50
3GPP Rel 6	HSUPA Subtest-5	21.91	22.00	21.96	23.00	22.92	22.98	22.95	24.00	23.45	23.49	23.49	24.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.38	19.49	19.46	20.50	20.38	20.42	20.39	21.50	20.96	21.01	20.97	22.00



Band 2 Ant 1 DS1i										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq.	Power High Ch./F.Freq.	Power High Ch./F.Freq.	Turn-up Time (sec)	MPE (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.95	22.98	22.92			24	0
20	QPSK	1	6	22.83	22.82	22.84				
20	QPSK	1	12	22.95	22.98	22.92			23	1
20	QPSK	50	0	21.93	22.00	21.97				
20	QPSK	50	24	21.83	21.86	21.88			23	1
20	QPSK	50	30	21.84	21.90	21.88				
20	QPSK	50	36	21.83	21.86	21.88			23	1
20	QPSK	50	42	21.82	21.88	21.86				
20	QPSK	100	0	21.84	21.94	21.87			23	1
20	QPSK	100	6	21.87	21.84	21.87				
20	QPSK	100	12	21.86	21.89	21.87			22	2
20	QPSK	100	18	21.86	21.91	21.86				
20	QPSK	100	24	21.85	21.90	21.88			22	2
20	QPSK	100	30	21.86	21.94	21.86				
20	QPSK	100	36	21.87	21.94	21.85			21	3
20	QPSK	100	42	21.86	21.93	21.85				
20	QPSK	1	48	21.86	21.93	21.85			19	
20	QPSK	1	54	21.86	21.93	21.85				
20	QPSK	1	60	21.86	21.93	21.85			19	
20	QPSK	1	66	21.86	21.93	21.85				
20	QPSK	1	72	21.86	21.93	21.85			19	
20	QPSK	1	78	21.86	21.93	21.85				
20	QPSK	1	84	21.86	21.93	21.85			19	
20	QPSK	1	90	21.86	21.93	21.85				
20	QPSK	1	96	21.86	21.93	21.85			19	
20	QPSK	1	102	21.86	21.93	21.85				
20	QPSK	1	108	21.86	21.93	21.85			19	
20	QPSK	1	114	21.86	21.93	21.85				
20	QPSK	1	120	21.86	21.93	21.85			19	
20	QPSK	1	126	21.86	21.93	21.85				
20	QPSK	1	132	21.86	21.93	21.85			19	
20	QPSK	1	138	21.86	21.93	21.85				
20	QPSK	1	144	21.86	21.93	21.85			19	
20	QPSK	1	150	21.86	21.93	21.85				
20	QPSK	1	156	21.86	21.93	21.85			19	
20	QPSK	1	162	21.86	21.93	21.85				
20	QPSK	1	168	21.86	21.93	21.85			19	
20	QPSK	1	174	21.86	21.93	21.85				
20	QPSK	1	180	21.86	21.93	21.85			19	
20	QPSK	1	186	21.86	21.93	21.85				
20	QPSK	1	192	21.86	21.93	21.85			19	
20	QPSK	1	198	21.86	21.93	21.85				
20	QPSK	1	204	21.86	21.93	21.85			19	
20	QPSK	1	210	21.86	21.93	21.85				
20	QPSK	1	216	21.86	21.93	21.85			19	
20	QPSK	1	222	21.86	21.93	21.85				
20	QPSK	1	228	21.86	21.93	21.85			19	
20	QPSK	1	234	21.86	21.93	21.85				
20	QPSK	1	240	21.86	21.93	21.85			19	
20	QPSK	1	246	21.86	21.93	21.85				
20	QPSK	1	252	21.86	21.93	21.85			19	
20	QPSK	1	258	21.86	21.93	21.85				
20	QPSK	1	264	21.86	21.93	21.85			19	
20	QPSK	1	270	21.86	21.93	21.85				
20	QPSK	1	276	21.86	21.93	21.85			19	
20	QPSK	1	282	21.86	21.93	21.85				
20	QPSK	1	288	21.86	21.93	21.85			19	
20	QPSK	1	294	21.86	21.93	21.85				
20	QPSK	1	300	21.86	21.93	21.85			19	
20	QPSK	1	306	21.86	21.93	21.85				
20	QPSK	1	312	21.86	21.93	21.85			19	
20	QPSK	1	318	21.86	21.93	21.85				
20	QPSK	1	324	21.86	21.93	21.85			19	
20	QPSK	1	330	21.86	21.93	21.85				
20	QPSK	1	336	21.86	21.93	21.85			19	
20	QPSK	1	342	21.86	21.93	21.85				
20	QPSK	1	348	21.86	21.93	21.85			19	
20	QPSK	1	354	21.86	21.93	21.85				
20	QPSK	1	360	21.86	21.93	21.85			19	
20	QPSK	1	366	21.86	21.93	21.85				
20	QPSK	1	372	21.86	21.93	21.85			19	
20	QPSK	1	378	21.86	21.93	21.85				
20	QPSK	1	384	21.86	21.93	21.85			19	
20	QPSK	1	390	21.86	21.93	21.85				
20	QPSK	1	396	21.86	21.93	21.85			19	
20	QPSK	1	402	21.86	21.93	21.85				
20	QPSK	1	408	21.86	21.93	21.85			19	
20	QPSK	1	414	21.86	21.93	21.85				
20	QPSK	1	420	21.86	21.93	21.85			19	
20	QPSK	1	426	21.86	21.93	21.85				
20	QPSK	1	432	21.86	21.93	21.85			19	
20	QPSK	1	438	21.86	21.93	21.85				
20	QPSK	1	444	21.86	21.93	21.85			19	
20	QPSK	1	450	21.86	21.93	21.85				
20	QPSK	1	456	21.86	21.93	21.85			19	
20	QPSK	1	462	21.86	21.93	21.85				
20	QPSK	1	468	21.86	21.93	21.85			19	
20	QPSK	1	474	21.86	21.93	21.85				
20	QPSK	1	480	21.86	21.93	21.85			19	
20	QPSK	1	486	21.86	21.93	21.85				
20	QPSK	1	492	21.86	21.93	21.85			19	
20	QPSK	1	498	21.86	21.93	21.85				
20	QPSK	1	504	21.86	21.93	21.85			19	
20	QPSK	1	510	21.86	21.93	21.85				
20	QPSK	1	516	21.86	21.93	21.85			19	
20	QPSK	1	522	21.86	21.93	21.85				
20	QPSK	1	528	21.86	21.93	21.85			19	
20	QPSK	1	534	21.86	21.93	21.85				
20	QPSK	1	540	21.86	21.93	21.85			19	
20	QPSK	1	546	21.86	21.93	21.85				
20	QPSK	1	552	21.86	21.93	21.85			19	
20	QPSK	1	558	21.86	21.93	21.85				
20	QPSK	1	564	21.86	21.93	21.85			19	
20	QPSK	1	570	21.86	21.93	21.85				
20	QPSK	1	576	21.86	21.93	21.85			19	
20	QPSK	1	582	21.86	21.93	21.85				
20	QPSK	1	588	21.86	21.93	21.85			19	
20	QPSK	1	594	21.86	21.93	21.85				
20	QPSK	1	600	21.86	21.93	21.85			19	
20	QPSK	1	606	21.86	21.93	21.85				
20	QPSK	1	612	21.86	21.93	21.85			19	
20	QPSK	1	618	21.86	21.93	21.85				
20	QPSK	1	624	21.86	21.93	21.85			19	
20	QPSK	1	630	21.86	21.93	21.85				
20	QPSK	1	636	21.86	21.93	21.85			19	
20	QPSK	1	642	21.86	21.93	21.85				
20	QPSK	1	648	21.86	21.93	21.85			19	
20	QPSK	1	654	21.86	21.93	21.85				
20	QPSK	1	660	21.86	21.93	21.85			19	
20	QPSK	1	666	21.86	21.93	21.85				
20	QPSK	1	672	21.86	21.93	21.85			19	
20	QPSK	1	678	21.86	21.93	21.85				
20	QPSK	1	684	21.86	21.93	21.85			19	
20	QPSK	1	690	21.86	21.93	21.85				
20	QPSK	1	696	21.86	21.93	21.85			19	
20	QPSK	1	702	21.86	21.93	21.85				
20	QPSK	1	708	21.86	21.93	21.85			19	
20	QPSK	1	714	21.86	21.93	21.85				
20	QPSK	1	720	21.86	21.93	21.85			19	
20	QPSK	1	726	21.86	21.93	21.85				
20	QPSK	1	732	21.86	21.93	21.85			19	
20	QPSK	1	738	21.86	21.93	21.85				
20	QPSK	1	744	21.86	21.93	21.85			19	
20	QPSK	1	750	21.86	21.93	21.85				
20	QPSK	1	756	21.86	21.93	21.85			19	
20	QPSK	1	762	21.86	21.93	21.85				
20	QPSK	1	768	21.86	21.93	21.85			19	
20	QPSK	1	774	21.86	21.93	21.85				
20	QPSK	1	780	21.86	21.93	21.85			19	
20	QPSK	1	786	21.86	21.93	21.85				
20	QPSK	1	792	21.86	21.93	21.85			19	
20	QPSK	1	798	21.86	21.93	21.85				
20	QPSK	1	804	21.86	21.93	21.85			19	
20	QPSK	1	810	21.86	21.93	21.85				
20	QPSK	1	816	21.86	21.93	21.85			19	
20	QPSK	1	822	21.86	21.93	21.85				
20	QPSK	1	828	21.86	21.93	21.85			19	
20	QPSK	1	834	21.86	21.93	21.85				
20	QPSK	1	840	21.86	21.93	21.85			19	
20	QPSK	1	846	21.86	21.93	21.85				
20	QPSK	1	852	21.86	21.93	21.85			19	
20	QPSK	1	858	21.86	21.93	21.85				
20	QPSK	1	864	21.86	21.93	21.85			19	
20	QPSK	1	870	21.86</						

Band 12 Ant 1 DS11										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Turn-up time (sec)	MPE (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	24.30	24.45	24.37			25.5	0
10	QPSK	1	25	24.36	24.42	24.24				
10	QPSK	1	49	24.31	24.34	24.25			24.5	1
10	QPSK	25	0	23.42	23.45	23.37				
10	QPSK	25	0	23.32	23.35	23.26			24.5	1
10	QPSK	25	25	23.34	23.37	23.28				
10	16QAM	1	0	23.37	23.40	23.40			24.5	1
10	16QAM	1	25	23.35	23.38	23.25				
10	16QAM	25	0	22.47	22.41	22.35			23.5	2
10	16QAM	25	12	22.33	22.42	22.23				
10	16QAM	25	25	22.49	22.57	22.28			23.5	2
10	16QAM	50	0	22.30	22.45	22.31				
10	64QAM	1	0	22.39	22.42	22.35			23.5	2
10	64QAM	1	25	22.42	22.51	22.28				
10	64QAM	1	49	22.36	22.35	22.23			22.5	3
10	64QAM	25	0	21.41	21.48	21.34				
10	64QAM	25	12	21.28	21.36	21.24			22.5	3
10	64QAM	25	25	21.35	21.38	21.17				
10	64QAM	50	0	21.29	21.45	21.34			20.5	5
10	256QAM	1	0	19.44	19.43	19.42				
10	256QAM	1	25	19.30	19.40	19.27			20.5	5
10	256QAM	1	49	19.39	19.32	19.28				
10	256QAM	25	0	19.30	19.38	19.37			20.5	5
10	256QAM	25	12	19.35	19.39	19.34				
10	256QAM	25	25	19.41	19.45	19.28			20.5	5
10	256QAM	50	0	19.36	19.36	19.26				
Channel										
Frequency (MHz)										
5	QPSK	1	0	24.35	24.43	24.29			25.5	0
5	QPSK	1	12	24.31	24.37	24.12				
5	QPSK	12	0	23.38	23.31	23.27			24.5	1
5	QPSK	12	7	23.19	23.30	23.18				
5	QPSK	12	13	23.31	23.28	23.13			24.5	1
5	QPSK	25	0	23.22	23.34	23.32				
5	16QAM	1	0	23.36	23.34	23.38			24.5	1
5	16QAM	1	12	23.30	23.27	23.15				
5	16QAM	12	0	22.37	22.34	22.23			23.5	2
5	16QAM	12	7	22.30	22.31	22.12				
5	16QAM	25	0	22.22	22.41	22.26			23.5	2
5	64QAM	1	0	22.28	22.34	22.23				
5	64QAM	1	24	22.25	22.21	22.17			22.5	3
5	64QAM	12	0	21.38	21.28	21.15				
5	64QAM	12	13	21.29	21.27	21.15			22.5	3
5	64QAM	25	0	21.28	21.33	21.25				
5	256QAM	1	0	19.31	19.31	19.19			20.5	5
5	256QAM	1	12	19.28	19.31	19.23				
5	256QAM	1	24	19.32	19.24	19.17			20.5	5
5	256QAM	12	0	19.32	19.28	19.27				
5	256QAM	12	7	19.32	19.28	19.27			20.5	5
5	256QAM	12	13	19.38	19.36	19.13				
5	256QAM	25	0	19.35	19.35	19.15				
Channel										
Frequency (MHz)										
3	QPSK	1	0	24.32	24.37	24.13			25.5	0
3	QPSK	1	8	24.28	24.32	24.20				
3	QPSK	1	14	24.21	24.27	24.18			24.5	1
3	QPSK	8	0	23.39	23.32	23.26				
3	QPSK	8	7	23.25	23.35	23.21			24.5	1
3	QPSK	8	14	23.27	23.30	23.14				
3	16QAM	1	0	23.32	23.34	23.34			24.5	1
3	16QAM	1	8	23.35	23.27	23.25				
3	16QAM	8	0	22.33	22.27	22.25			23.5	2
3	16QAM	8	4	22.25	22.30	22.18				
3	16QAM	16	0	22.21	22.40	22.24			23.5	2
3	64QAM	1	0	22.27	22.30	22.25				
3	64QAM	1	8	22.28	22.27	22.15			22.5	3
3	64QAM	1	14	22.29	22.18	22.11				
3	64QAM	8	0	21.39	21.44	21.32			22.5	3
3	64QAM	8	4	21.22	21.24	21.20				
3	64QAM	8	7	21.26	21.33	21.10			20.5	5
3	64QAM	15	0	21.16	21.25	21.28				
3	256QAM	1	0	19.30	19.45	19.40			20.5	5
3	256QAM	1	8	19.22	19.29	19.18				
3	256QAM	1	14	19.37	19.25	19.19			20.5	5
3	256QAM	8	0	19.24	19.28	19.21				
3	256QAM	8	4	19.28	19.27	19.27			20.5	5
3	256QAM	8	7	19.34	19.41	19.14				
3	256QAM	15	0	19.24	19.24	19.21				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	24.32	24.33	24.13			25.5	0
1.4	QPSK	1	3	24.24	24.31	24.13				
1.4	QPSK	1	5	24.38	24.24	24.12			24.5	1
1.4	QPSK	3	0	24.22	24.24	24.32				
1.4	QPSK	3	1	24.17	24.26	24.07			24.5	1
1.4	QPSK	3	3	24.25	24.15	24.05				
1.4	16QAM	1	0	23.28	23.32	23.32			24.5	1
1.4	16QAM	1	3	23.30	23.31	23.36				
1.4	16QAM	3	0	23.24	23.25	23.19			23.5	2
1.4	16QAM	3	1	23.14	23.28	23.28				
1.4	16QAM	3	6	23.15	23.26	23.21			23.5	2
1.4	64QAM	1	0	22.25	22.38	22.28				
1.4	64QAM	1	3	22.35	22.24	22.19			23.5	2
1.4	64QAM	1	6	22.31	22.17	22.15				
1.4	64QAM	3	0	22.08	22.29	22.09			22.5	3
1.4	64QAM	3	3	22.18	22.32	22.15				
1.4	64QAM	3	5	22.23	22.12	22.15			22.5	3
1.4	64QAM	6	0	21.19	21.32	21.27				
1.4	256QAM	1	0	19.40	19.38	19.31			20.5	5
1.4	256QAM	1	3	19.19	19.37	19.17				
1.4	256QAM	1	5	19.25	19.25	19.24			20.5	5
1.4	256QAM	3	1	19.24	19.36	19.25				
1.4	256QAM	3	3	19.39	19.41	19.14			20.5	5
1.4	256QAM	6	0	19.21	19.15	19.16				

Band 13 Ant 1 DS11									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch 23005	Power Mid Ch 23230	Power High Ch 23505	Turn-up time (sec)	MPE (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	24.49					25.5
10	QPSK	1	25	24.38					
10	QPSK	1	49	24.37					24.5
10	QPSK	25	0	23.46					
10	QPSK	25	12	23.42					24.5
10	QPSK	25	25	23.34					
10	QPSK	50	0	23.41					24.5
10	16QAM	1	0	23.34					
10	16QAM	1	25	23.42					24.5
10	16QAM	1	49	23.32					
10	16QAM	25	0	22.43					23.5
10	16QAM	25	12	22.40					
10	16QAM	25	25	22.28					23.5
10	16QAM	50	0	22.48					
10	16QAM	50	12	22.39					23.5
10	16QAM	1	25	22.33					
10	16QAM	1	49	22.27					22.5
10	16QAM	25	12	21.46					
10	16QAM	25	25	21.31					22.5
10	16QAM	50	0	21.30					
10	16QAM	50	12	21.40					20.5
10	16QAM	1	25	19.43					
10	16QAM	1	49	19.35					20.5
10	16QAM	25	0	19.35					
10	16QAM	25	12	19.40					20.5
10	16QAM	25	25	19.28					
10	16QAM	50	0	19.33					20.5
10	16QAM	50	12	19.33					
Channel									
Frequency (MHz)									
5	QPSK	1	0	24.50	24.40	24.30			25.5
5	QPSK	1	12	24.34	24.30	24.30			
5	QPSK	1	24	24.25	24.31	24.34			24.5
5	QPSK	1	48	24.19	24.44	23.95			
5	QPSK	12	7	23.33	23.29	23.38			24.5
5	QPSK	12	19	23.24	23.28	23.28			
5	QPSK	12	31	23.17	23.31	23.38			24.5
5	16QAM	1	0	23.21	23.24	23.20			
5	16QAM	1	12	23.24	23.39	23.38			24.5
5	16QAM	1	24	23.25	23.19	23.40			
5	16QAM	12	7	22.29	22.33	22.38			23.5
5	16QAM	12	19	22.37	22.33	22.28			
5	16QAM	12	31	22.33	22.27	22.33			23.5
5	16QAM	25	0	22.43	22.41	22.43			
5	16QAM	1	0	22.27	22.29	22.31			23.5
5	16QAM	1	12	22.29	22.29	22.27			
5	16QAM	1	24	22.24	22.27	22.10			22.5
5	16QAM	12	7	21.33	21.37	21.38			
5	16QAM	12	19	21.22	21.25	21.18			22.5
5	16QAM	12	31	21.24	21.18	21.24			
5	16QAM	25	0	21.28	21.29	21.28			20.5
5	16QAM	25	12	19.38	19.32	19.39			
5	16QAM	1	12	19.36	19.38	19.32			20.5
5	16QAM	1	24	19.25	19.28	19.25			
5	16QAM	1	48	19.31	19.25	19.27			20.5
5	16QAM	12	7	19.37	19.33	19.28			
5	16QAM	12	19	19.37	19.45	19.43			20.5
5	16QAM	12	31	19.37	19.45	19.43			

Band 66 Ant 1 DSI1												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up limit (dB)	APRS (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	23.83	23.93	23.93			25	0		
20	QPSK	1	49	23.89	23.88	23.80						
20	QPSK	1	99	23.73	23.88	23.78						
20	QPSK	50	0	22.83	22.98	22.87						
20	QPSK	50	24	22.89	22.86	22.82						
20	QPSK	50	50	22.89	22.84	22.77			24	1		
20	QPSK	100	0	22.84	22.89	22.94						
20	HQDM	1	0	22.89	22.90	22.88						
20	HQDM	1	49	22.77	22.79	22.78						
20	HQDM	1	99	22.72	22.80	22.75						
20	HQDM	50	0	21.79	21.93	21.88			23	2		
20	HQDM	50	24	21.90	21.77	21.75						
20	HQDM	50	50	21.72	21.87	21.78						
20	HQDM	100	0	21.96	21.85	21.93						
20	HQDM	1	0	21.85	21.94	21.86						
20	HQDM	1	49	21.80	21.88	21.75			23	2		
20	HQDM	1	99	21.80	21.83	21.75						
20	HQDM	50	24	20.86	20.82	20.85						
20	HQDM	50	50	20.78	20.87	20.85						
20	HQDM	50	99	20.69	20.80	20.82						
20	HQDM	100	0	20.89	20.89	20.95			20	5		
20	HQDM	1	0	18.84	18.83	18.98						
20	HQDM	1	49	18.85	18.88	18.83						
20	HQDM	1	99	18.77	18.81	18.79						
20	HQDM	50	0	18.89	18.89	18.85						
20	HQDM	50	24	18.87	18.90	18.89			20	5		
20	HQDM	50	50	18.83	18.95	18.82						
20	HQDM	100	0	18.77	18.74	18.85						
Channel												
Frequency (MHz)												
15	QPSK	1	0	23.78	23.82	23.81			25	0		
15	QPSK	1	37	23.77	23.84	23.72						
15	QPSK	1	74	23.62	23.74	23.67						
15	QPSK	36	0	22.80	22.89	22.80						
15	QPSK	36	20	22.83	22.83	22.78						
15	QPSK	36	36	22.60	22.79	22.68			24	1		
15	QPSK	75	0	22.76	22.83	22.80						
15	HQDM	1	0	22.78	22.84	22.85						
15	HQDM	1	37	22.68	22.67	22.78						
15	HQDM	1	74	22.64	22.66	22.65						
15	HQDM	36	0	21.75	21.91	21.81			23	2		
15	HQDM	36	20	21.79	21.72	21.70						
15	HQDM	36	36	21.64	21.82	21.72						
15	HQDM	75	0	21.88	21.72	21.89						
15	HQDM	1	0	21.71	21.87	21.79						
15	HQDM	1	37	21.78	21.77	21.67			23	2		
15	HQDM	1	74	21.74	21.81	21.59						
15	HQDM	36	0	20.77	20.91	20.89						
15	HQDM	36	20	20.77	20.71	20.81						
15	HQDM	36	36	20.72	20.80	20.51						
15	HQDM	75	0	20.81	20.78	20.85			22	3		
15	HQDM	1	0	18.81	18.72	18.86						
15	HQDM	1	37	18.77	18.78	18.76						
15	HQDM	1	74	18.64	18.79	18.67						
15	HQDM	36	0	18.82	18.77	18.83						
15	HQDM	36	20	18.85	18.88	18.78			20	5		
15	HQDM	36	36	18.78	18.81	18.64						
15	HQDM	36	75	18.76	18.81	18.62						
Channel												
Frequency (MHz)												
10	QPSK	1	0	23.72	23.87	23.83			25	0		
10	QPSK	1	25	23.79	23.75	23.68						
10	QPSK	1	49	23.68	23.77	23.73						
10	QPSK	25	0	22.78	22.94	22.78						
10	QPSK	25	12	22.77	22.77	22.75						
10	QPSK	25	25	22.66	22.77	22.64			24	1		
10	QPSK	50	0	22.70	22.86	22.85						
10	HQDM	1	0	22.89	22.83	22.85						
10	HQDM	1	25	22.73	22.74	22.64						
10	HQDM	1	49	22.68	22.72	22.68						
10	HQDM	25	0	21.70	21.83	21.77			23	2		
10	HQDM	25	12	21.80	21.69	21.73						
10	HQDM	25	25	21.67	21.74	21.75						
10	HQDM	50	0	21.84	21.80	21.90						
10	HQDM	1	0	21.78	21.88	21.74						
10	HQDM	1	25	21.66	21.80	21.68			23	2		
10	HQDM	1	49	21.74	21.76	21.62						
10	HQDM	25	0	20.75	20.95	20.88						
10	HQDM	25	12	20.72	20.78	20.75						
10	HQDM	25	25	20.73	20.79	20.81						
10	HQDM	50	0	20.75	20.79	20.84			22	3		
10	HQDM	1	0	18.79	18.78	18.85						
10	HQDM	1	25	18.71	18.73	18.71						
10	HQDM	1	49	18.63	18.88	18.71						
10	HQDM	25	0	18.83	18.77	18.87						
10	HQDM	25	12	18.79	18.81	18.78			20	5		
10	HQDM	25	25	18.71	18.91	18.68						
10	HQDM	50	0	18.75	18.68	18.80						
Channel												
Frequency (MHz)												
5	QPSK	1	0	23.79	23.95	23.92			25	0		
5	QPSK	1	12	23.81	23.78	23.75						
5	QPSK	1	24	23.59	23.84	23.65						
5	QPSK	11	0	22.77	22.90	22.80						
5	QPSK	12	7	22.81	22.76	22.73						
5	QPSK	12	13	22.68	22.82	22.72			24	1		
5	QPSK	26	0	22.71	22.80	22.87						
5	HQDM	1	0	22.87	22.78	22.78						
5	HQDM	1	12	22.64	22.71	22.72						
5	HQDM	1	24	22.65	22.73	22.62						
5	HQDM	12	0	21.87	21.88	21.78			23	2		
5	HQDM	12	7	21.84	21.74	21.71						
5	HQDM	12	13	21.63	21.81	21.74						
5	HQDM	26	0	21.93	21.72	21.88						
5	HQDM	1	0	21.78	21.90	21.81						
5	HQDM	1	12	21.75	21.80	21.65			23	2		
5	HQDM	1	24	21.70	21.70	21.73						
5	HQDM	12	0	20.84	20.73	20.82						
5	HQDM	12	7	20.84	20.73	20.82						
5	HQDM	12	13	20.86	20.80	20.77						
5	HQDM	26	0	20.85	20.89	20.80			22	3		
5	HQDM	1	0	18.72	18.75	18.84						
5	HQDM	1	12	18.72	18.81	18.79						
5	HQDM	1	24	18.73	18.89	18.74						
5	HQDM	12	0	18.91	18.83	18.91						
5	HQDM	12	7	18.79	18.80	18.85			20	5		
5	HQDM	12	13	18.77	18.92	18.85						
5	HQDM	26	0	18.72	18.71	18.80						
Channel												
Frequency (MHz)												
3	QPSK	1	0	23.78	23.80	23.87			25	0		
3	QPSK	1	8	23.80	23.80	23.69						
3	QPSK	1	14	23.62	23.79	23.76						
3	QPSK	8	0	22.74	22.88	22.75						
3	QPSK	8	4	22.80	22.83	22.78						
3	QPSK	8	7	22.61	22.80	22.64			24	1		
3	QPSK	16	0	22.78	22.81	22.88						
3	HQDM	1	0	22.75	22.83	22.79						
3	HQDM	1	8	22.69	22.73	22.68						
3	HQDM	1	14	22.60	22.74	22.71						
3	HQDM	8	0	21.73	21.86	21.79			23	2		
3	HQDM	8	4	21.85	21.65	21.82						
3	HQDM	8	7	21.68	21.70	21.71			23	2		
3	HQDM	16	0	21.90	21.82	21.80						
3	HQDM	1	0	21.79	21.89	21.77						
3	HQDM	1	8	21.66	21.81	21.62						
3	HQDM	1	14	21.57	21.75	21.65						
3	HQDM	8	0	20.88	20.98	20.96			22	3		
3	HQDM	8	4	20.80	20.79	20.83						
3	HQDM	8	7	20.76	20.78	20.75						
3	HQDM	16	0	20.74	20.75	20.84						
3	HQDM	1	0	18.75	18.73	18.85						
3	HQDM	1	8	18.78	18.86	18.75			20	5		
3	HQDM	1	14	18.69	18.91	18.77						
3	HQDM	8	0	18.95	18.77	18.81						
3	HQDM	8	4	18.74	18.84	18.74						
3	HQDM	8	7	18.71	18.87	18.60						
3	HQDM	16	0	18.70	18.65	18.75			20	5		
Channel												
Frequency (MHz)												
1.5	QPSK	1	0	23.80	23.83	23.88					25	0
1.5	QPSK	1	8	23.80	23.75	23.72						
1.5	QPSK	1	14	23.62	23.75	23.72						
1.5	QPSK	8	0	22.74	22.81	22.85						
1.5	QPSK	8	4	22.68	22.78	22.75						
1.5	QPSK	8	7	22.55	22.73	22.65			24	1		
1.5	QPSK	16	0	22.81	22.78	22.86						
1.5	HQDM	1	0	22.78	22.82	22.82						
1.5	HQDM	1	8	22.68	22.71	22.76						
1.5	HQDM	1	14	22.60	22.70	22.64						
1.5	HQDM	8	0	21.73	21.86	21.79			23	2		
1.5	HQDM	8	4	21.85	21.65	21.82						
1.5	HQDM	8	7	21.68	21.77	21.72			23	2		
1.5	HQDM	16	0	21.90	21.82	21.80						
1.5	HQDM	1	0	21.79	21.89	21.77						
1.5	HQDM	1	8	21.66	21.81	21.62						
1.5	HQDM	1	14	21.57	21.75	21.65						
1.5	HQDM	8	0	20.88	20.98	20.96			22	3		
1.5	HQDM	8	4	20.80	20.79	20.83						
1.5	HQDM	8	7	20.76	20.78	20.75						
1.5	HQDM	16	0	20.74	20.75	20.84						
1.5	HQDM	1	0	18.75	18.73	18.85						
1.5	HQDM	1	8	18.78	18.86	18.75			20	5		
1.5	HQDM	1	14	18.69	18.91	18.77						
1.5	HQDM	8	0	18.95	18.77	18.81						
1.5</												

GSM850 Ant 4 DSI1		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	833.4	843.8	(dBm)	824.2	833.4	843.8	(dBm)
GSM 1 Tx slot		32.40	32.46	32.45	33.50	23.40	23.46	23.45	24.50
GPRS 1 Tx slot		32.40	32.41	32.38	33.50	23.40	23.41	23.38	24.50
GPRS 2 Tx slots		29.39	29.41	29.35	30.50	23.39	23.41	23.35	24.50
GPRS 3 Tx slots		27.47	27.52	27.43	28.70	23.21	23.26	23.17	24.44
GPRS 4 Tx slots		26.19	26.26	26.16	27.50	23.19	23.26	23.16	24.50
EDGE 1 Tx slot		26.86	26.93	26.89	28.00	17.86	17.93	17.89	19.00
EDGE 2 Tx slots		23.82	23.96	23.90	25.00	17.82	17.96	17.90	19.00
EDGE 3 Tx slots		22.08	22.11	22.07	23.20	17.82	17.85	17.81	18.94
EDGE 4 Tx slots		20.89	20.93	20.84	22.00	17.89	17.93	17.84	19.00

GSM1900 Ant 4 DSI1		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	(dBm)	1850.2	1880	1909.8	(dBm)
GSM 1 Tx slot		24.46	24.59	24.56	25.50	15.46	15.59	15.56	16.50
GPRS 1 Tx slot		24.34	24.50	24.47	25.50	15.34	15.50	15.47	16.50
GPRS 2 Tx slots		21.61	21.60	21.53	22.50	15.61	15.60	15.53	16.50
GPRS 3 Tx slots		19.49	19.57	19.50	20.70	15.23	15.31	15.24	16.44
GPRS 4 Tx slots		18.33	18.37	18.32	19.50	15.33	15.37	15.32	16.50
EDGE 1 Tx slot		23.33	23.42	23.33	24.50	14.33	14.42	14.33	15.50
EDGE 2 Tx slots		20.33	20.37	20.27	21.50	14.33	14.37	14.27	15.50
EDGE 3 Tx slots		18.55	18.55	18.52	19.70	14.29	14.29	14.26	15.44
EDGE 4 Tx slots		17.33	17.35	17.40	18.50	14.33	14.35	14.40	15.50

Band		WCDMA II Ant 4 DSI1			Tune-up Limit (dBm)	WCDMA IV Ant 4 DSI1			Tune-up Limit (dBm)	WCDMA V Ant 4 DSI1			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938	(dBm)	1537	1638	1738	(dBm)	4357	4407	4458	(dBm)
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	15.49	15.58	15.50	16.50	14.64	14.75	14.67	15.50	22.78	22.88	22.76	24.00
3GPP Rel 99	AMR 12.2Kbps	15.55	15.65	15.58	16.50	14.77	14.90	14.71	15.50	22.90	22.97	22.86	24.00
3GPP Rel 6	HSDPA Subtest-1	14.61	14.61	14.60	15.50	13.72	13.76	13.75	14.50	21.88	21.93	22.00	23.00
3GPP Rel 6	HSDPA Subtest-2	14.55	14.60	14.58	15.50	13.82	13.75	13.67	14.50	21.91	21.98	21.95	23.00
3GPP Rel 6	HSDPA Subtest-3	14.09	14.17	14.12	15.00	13.31	13.27	13.27	14.00	21.44	21.43	21.45	22.50
3GPP Rel 6	HSDPA Subtest-4	14.02	14.20	14.13	15.00	13.25	13.33	13.25	14.00	21.43	21.45	21.49	22.50
3GPP Rel 8	DCHSDPA Subtest-1	14.50	14.60	14.57	15.50	13.73	13.85	13.66	14.50	21.94	22.02	22.01	23.00
3GPP Rel 8	DCHSDPA Subtest-2	14.51	14.62	14.52	15.50	13.73	13.82	13.72	14.50	21.92	21.97	21.99	23.00
3GPP Rel 8	DCHSDPA Subtest-3	14.02	14.15	14.06	15.00	13.33	13.34	13.19	14.00	21.44	21.45	21.61	22.50
3GPP Rel 8	DCHSDPA Subtest-4	14.06	14.10	14.03	15.00	13.27	13.31	13.20	14.00	21.43	21.52	21.50	22.50
3GPP Rel 6	HSUPA Subtest-1	14.61	14.65	14.61	15.50	13.80	13.77	13.75	14.50	21.85	21.94	21.98	23.00
3GPP Rel 6	HSUPA Subtest-2	12.61	12.67	12.53	13.50	11.81	11.81	11.67	12.50	19.88	19.95	19.93	21.00
3GPP Rel 6	HSUPA Subtest-3	13.58	13.66	13.62	14.50	12.81	12.74	12.66	13.50	20.94	20.93	20.92	22.00
3GPP Rel 6	HSUPA Subtest-4	12.51	12.69	12.64	13.50	11.74	11.81	11.66	12.50	19.88	20.01	19.96	21.00
3GPP Rel 6	HSUPA Subtest-5	14.61	14.66	14.63	15.50	13.77	13.78	13.75	14.50	21.86	22.02	21.98	23.00
3GPP Rel 7	HSPA+ (HSPA) Subtest-1	12.00	12.14	12.13	13.00	11.28	11.27	11.20	12.00	18.38	19.51	19.42	20.50

Band 7 Ant 3 DS11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350	23	0	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	22.20	22.29	22.21	23	0	
20	QPSK	1	49	22.14	22.18	22.15			
20	QPSK	1	99	22.14	22.21	22.16			
20	QPSK	50	0	22.13	22.25	22.11			
20	QPSK	50	24	22.13	22.23	22.19	23	0	
20	QPSK	50	50	22.15	22.18	22.16			
20	QPSK	100	0	22.11	22.19	22.08			
20	16QAM	1	0	22.05	22.17	22.08			
20	16QAM	1	49	22.09	22.13	22.08	23	0	
20	16QAM	1	99	22.12	22.13	22.06			
20	16QAM	50	0	21.63	21.78	21.63			
20	16QAM	50	24	21.67	21.77	21.70	22.5	0.5	
20	16QAM	50	50	21.68	21.64	21.66			
20	16QAM	100	0	21.55	21.71	21.55			
20	64QAM	1	0	21.55	21.67	21.60			
20	64QAM	1	49	21.53	21.62	21.57	22.5	0.5	
20	64QAM	1	99	21.62	21.57	21.51			
20	64QAM	50	0	20.58	20.76	20.64			
20	64QAM	50	24	20.62	20.72	20.74	21.5	1.5	
20	64QAM	50	50	20.60	20.68	20.64			
20	64QAM	100	0	20.57	20.65	20.53			
20	256QAM	1	0	18.67	18.76	18.66	19.5	3.5	
20	256QAM	1	49	18.61	18.78	18.69			
20	256QAM	1	99	18.63	18.66	18.63			
20	256QAM	50	0	18.62	18.67	18.61			
20	256QAM	50	24	18.56	18.64	18.60	19.5	3.5	
20	256QAM	50	50	18.58	18.62	18.62			
20	256QAM	100	0	18.63	18.69	18.55			
Channel				20825	21100	21375	23	0	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	22.13	22.20	22.15	23	0	
15	QPSK	1	37	22.03	22.08	22.05			
15	QPSK	1	74	22.06	22.16	22.10			
15	QPSK	36	0	22.08	22.15	22.01			
15	QPSK	36	20	22.06	22.20	22.07	23	0	
15	QPSK	36	39	22.03	22.11	22.13			
15	QPSK	75	0	22.08	22.16	21.96			
15	16QAM	1	0	21.95	22.07	22.05			
15	16QAM	1	37	22.04	22.07	21.97	23	0	
15	16QAM	1	74	22.09	22.06	21.97			
15	16QAM	36	0	21.57	21.70	21.53			
15	16QAM	36	20	21.56	21.70	21.58	22.5	0.5	
15	16QAM	36	39	21.63	21.55	21.60			
15	16QAM	75	0	21.41	21.68	21.49			
15	64QAM	1	0	21.44	21.64	21.48			
15	64QAM	1	37	21.42	21.56	21.48	22.5	0.5	
15	64QAM	1	74	21.48	21.52	21.45			
15	64QAM	36	0	20.44	20.69	20.55			
15	64QAM	36	20	20.49	20.64	20.68	21.5	1.5	
15	64QAM	36	39	20.49	20.56	20.61			
15	64QAM	75	0	20.48	20.60	20.43			
15	256QAM	1	0	18.56	18.71	18.54			
15	256QAM	1	37	18.52	18.69	18.58	19.5	3.5	
15	256QAM	1	74	18.54	18.55	18.57			
15	256QAM	36	0	18.56	18.57	18.52			
15	256QAM	36	20	18.54	18.57	18.55	19.5	3.5	
15	256QAM	36	39	18.52	18.48	18.56			
15	256QAM	75	0	18.53	18.66	18.48			
Channel				20800	21100	21400	23	0	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	22.13	22.19	22.17	23	0	
10	QPSK	1	25	22.12	22.10	22.05			
10	QPSK	1	49	22.08	22.15	22.02			
10	QPSK	25	0	22.01	22.16	22.08			
10	QPSK	25	12	22.00	22.15	22.06	23	0	
10	QPSK	25	25	22.01	22.15	22.08			
10	QPSK	50	0	22.07	22.13	22.04			
10	16QAM	1	0	22.00	22.08	21.96			
10	16QAM	1	25	22.01	22.00	21.98	23	0	
10	16QAM	1	49	22.01	21.99	21.95			
10	16QAM	25	0	21.54	21.68	21.57			
10	16QAM	25	12	21.56	21.69	21.65	22.5	0.5	
10	16QAM	25	25	21.56	21.51	21.58			
10	16QAM	50	0	21.48	21.63	21.45			
10	64QAM	1	0	21.44	21.57	21.58			
10	64QAM	1	25	21.40	21.49	21.43	22.5	0.5	
10	64QAM	1	49	21.48	21.54	21.37			
10	64QAM	25	0	20.54	20.67	20.56			
10	64QAM	25	12	20.53	20.66	20.69	21.5	1.5	
10	64QAM	25	25	20.47	20.57	20.52			
10	64QAM	50	0	20.53	20.61	20.43			
10	256QAM	1	0	18.58	18.69	18.60			
10	256QAM	1	25	18.58	18.71	18.60	19.5	3.5	
10	256QAM	1	49	18.56	18.63	18.57			
10	256QAM	25	0	18.48	18.61	18.51			
10	256QAM	25	12	18.53	18.54	18.49	19.5	3.5	
10	256QAM	25	25	18.48	18.51	18.52			
10	256QAM	50	0	18.59	18.61	18.48			
Channel				20775	21100	21425	23	0	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	22.06	22.18	22.13	23	0	
5	QPSK	1	12	22.00	22.13	22.02			
5	QPSK	1	24	22.04	22.12	22.11			
5	QPSK	12	0	22.09	22.14	22.00			
5	QPSK	12	7	22.09	22.20	22.08	23	0	
5	QPSK	12	13	22.05	22.05	22.03			
5	QPSK	25	0	22.05	22.11	21.95			
5	16QAM	1	0	21.92	22.07	22.00			
5	16QAM	1	12	21.97	22.05	21.95	23	0	
5	16QAM	1	24	22.08	22.07	21.97			
5	16QAM	12	0	21.58	21.73	21.58			
5	16QAM	12	7	21.60	21.69	21.59	22.5	0.5	
5	16QAM	12	13	21.57	21.52	21.62			
5	16QAM	25	0	21.50	21.66	21.47			
5	64QAM	1	0	21.43	21.63	21.57			
5	64QAM	1	12	21.44	21.53	21.53	22.5	0.5	
5	64QAM	1	24	21.53	21.54	21.43			
5	64QAM	12	0	20.46	20.63	20.54			
5	64QAM	12	7	20.54	20.64	20.70	21.5	1.5	
5	64QAM	12	13	20.49	20.54	20.59			
5	64QAM	25	0	20.53	20.51	20.50			
5	256QAM	1	0	18.58	18.70	18.63	19.5	3.5	
5	256QAM	1	12	18.46	18.75	18.62			
5	256QAM	1	24	18.50	18.54	18.56			
5	256QAM	12	0	18.54	18.55	18.49			
5	256QAM	12	7	18.46	18.54	18.50	19.5	3.5	
5	256QAM	12	13	18.53	18.52	18.57			
5	256QAM	25	0	18.55	18.66	18.42			

Band 2 Ant 4 DSI1												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up Init (dB)	APR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	15.09	15.12	14.98						
20	QPSK	49	0	15.03	15.05	15.07	16	0				
20	QPSK	1	99	15.04	15.02	14.97						
20	QPSK	50	0	15.04	15.08	14.98						
20	QPSK	99	0	15.04	15.06	15.02						
20	QPSK	50	50	15.00	15.02	14.98	16	0				
20	QPSK	100	0	15.00	15.05	14.95						
20	HQAM	1	0	15.01	15.01	14.99						
20	HQAM	1	49	14.93	14.94	14.95	16	0				
20	HQAM	1	50	14.94	15.01	14.93						
20	HQAM	50	0	14.94	15.02	14.79						
20	HQAM	50	24	14.95	15.01	14.90	16	0				
20	HQAM	50	50	14.90	15.00	14.91						
20	HQAM	100	0	14.95	15.00	14.95						
20	HQAM	1	0	14.96	15.04	14.96						
20	HQAM	1	49	14.96	15.03	14.96	16	0				
20	HQAM	1	50	14.93	14.98	14.91						
20	HQAM	50	0	15.02	15.05	14.97						
20	HQAM	50	24	15.02	14.96	14.91	16	0				
20	HQAM	50	50	14.93	14.98	14.95						
20	HQAM	100	0	14.90	15.04	14.89						
20	25QAM	1	0	15.01	15.05	14.99						
20	25QAM	1	49	15.02	15.03	15.03	16	0				
20	25QAM	1	50	14.98	14.98	14.98						
20	25QAM	50	0	14.93	14.98	14.95						
20	25QAM	50	24	15.01	14.98	14.93	16	0				
20	25QAM	50	50	14.98	15.02	14.94						
20	25QAM	100	0	14.93	14.98	14.97						
Channel												
Frequency (MHz)												
15	QPSK	1	0	15.08	15.05	14.92						
15	QPSK	1	37	15.02	14.95	14.94	16	0				
15	QPSK	1	74	15.02	15.03	14.94						
15	QPSK	36	0	15.03	15.03	14.98						
15	QPSK	36	20	15.01	15.03	14.91	16	0				
15	QPSK	36	39	14.99	14.92	14.87						
15	QPSK	75	0	14.99	15.00	14.95						
15	HQAM	1	0	14.91	14.95	14.79						
15	HQAM	1	37	14.82	14.95	14.75	16	0				
15	HQAM	1	49	14.92	15.00	14.80						
15	HQAM	36	0	14.92	15.02	14.76						
15	HQAM	36	20	14.85	15.02	14.83	16	0				
15	25QAM	36	0	14.82	14.97	14.80						
15	HQAM	75	0	14.87	14.90	14.80						
15	HQAM	1	0	14.87	15.01	14.88						
15	HQAM	36	0	14.83	14.96	14.80	16	0				
15	HQAM	1	74	14.94	15.02	14.81						
15	HQAM	36	0	14.97	15.03	14.77						
15	HQAM	36	20	14.88	14.95	14.80	16	0				
15	HQAM	36	39	14.87	14.96	14.81						
15	HQAM	75	0	14.88	14.96	14.79						
15	25QAM	1	0	15.01	15.05	14.99						
15	25QAM	1	37	15.01	14.99	14.95	16	0				
15	25QAM	1	74	14.98	14.89	14.87						
15	25QAM	36	0	14.92	14.97	14.80						
15	25QAM	36	20	14.94	14.95	14.92	16	0				
15	25QAM	36	39	14.89	15.00	14.84						
15	25QAM	75	0	14.85	14.98	14.85						
Channel												
Frequency (MHz)												
10	QPSK	1	0	15.00	15.00	15.00						
10	QPSK	1	25	15.00	14.96	14.84	16	0				
10	QPSK	1	49	14.99	14.95	14.98						
10	QPSK	25	0	14.96	15.00	14.94						
10	QPSK	25	12	14.95	15.04	14.88	16	0				
10	QPSK	25	25	14.92	14.92	14.88						
10	QPSK	50	0	14.92	15.07	14.90						
10	HQAM	1	0	14.91	14.95	14.84						
10	HQAM	1	25	14.91	14.85	14.77	16	0				
10	HQAM	1	49	14.88	14.98	14.80						
10	HQAM	25	0	14.91	14.91	14.87						
10	HQAM	25	12	14.91	14.96	14.87	16	0				
10	HQAM	25	25	14.88	14.93	14.92						
10	HQAM	50	0	14.88	14.93	14.92						
10	HQAM	50	0	14.88	14.98	14.81	16	0				
10	HQAM	1	49	15.00	15.01	14.84						
10	HQAM	25	0	14.95	15.01	14.78						
10	HQAM	25	12	15.01	15.02	14.90	16	0				
10	HQAM	25	25	14.85	14.87	14.88						
10	HQAM	50	0	14.85	15.00	14.82						
10	25QAM	1	0	15.04	14.92	14.83	16	0				
10	25QAM	1	49	14.92	14.92	14.83						
10	25QAM	1	50	15.01	14.98	14.85						
10	25QAM	25	0	14.93	15.02	14.84						
10	25QAM	25	12	14.97	14.93	14.85	16	0				
10	25QAM	25	25	14.89	14.96	14.92						
10	25QAM	50	0	14.85	14.89	14.85						
Channel												
Frequency (MHz)												
5	QPSK	1	0	15.03	15.04	14.90						
5	QPSK	1	12	14.97	15.02	14.85	16	0				
5	QPSK	1	24	14.95	14.92	14.87						
5	QPSK	1	25	14.95	15.00	14.88						
5	QPSK	12	7	15.00	15.00	14.90	16	0				
5	QPSK	12	13	14.96	15.00	14.89						
5	QPSK	25	0	14.97	15.05	14.85						
5	HQAM	1	0	14.96	14.93	14.88						
5	HQAM	1	12	14.88	14.91	14.74	16	0				
5	HQAM	1	24	14.93	14.95	14.85						
5	HQAM	12	0	14.88	15.01	14.70						
5	HQAM	12	7	14.91	15.01	14.83	16	0				
5	HQAM	12	13	14.92	14.95	14.81						
5	HQAM	25	0	14.89	14.93	14.94						
5	HQAM	1	0	14.88	15.02	14.85	16	0				
5	HQAM	12	0	14.92	15.04	14.81						
5	HQAM	1	24	14.92	14.99	14.70						
5	HQAM	12	0	15.02	15.05	14.82						
5	HQAM	25	0	15.01	14.88	14.85	16	0				
5	HQAM	25	13	14.88	14.90	14.80						
5	HQAM	25	0	14.90	15.04	14.80						
5	25QAM	1	0	14.93	15.02	14.84						
5	25QAM	1	12	15.02	14.93	14.90	16	0				
5	25QAM	1	24	14.90	14.97	14.85						
5	25QAM	12	0	14.95	14.93	14.74						
5	25QAM	12	7	14.92	14.89	14.92	16	0				
5	25QAM	12	13	14.90	14.96	14.84						
5	25QAM	25	0	14.83	14.89	14.87						
Channel												
Frequency (MHz)												
3	QPSK	1	0	15.03	15.07	14.93						
3	QPSK	1	8	14.93	15.05	14.86	16	0				
3	QPSK	1	14	15.01	14.97	14.97						
3	QPSK	8	0	15.05	14.99	14.97						
3	QPSK	8	4	14.95	15.00	14.96	16	0				
3	QPSK	8	7	14.90	14.99	14.88						
3	QPSK	14	0	14.90	14.95	14.84						
3	HQAM	1	0	14.93	14.98	14.81						
3	HQAM	1	8	14.84	14.88	14.85	16	0				
3	HQAM	1	14	14.85	14.97	14.80						
3	HQAM	8	0	14.88	14.98	14.71						
3	HQAM	8	4	14.95	15.00	14.83	16	0				
3	HQAM	8	7	14.88	14.97	14.80						
3	HQAM	16	0	14.88	14.92	14.83						
3	HQAM	1	0	14.88	15.04	14.85	16	0				
3	HQAM	1	14	14.93	14.94	14.70						
3	HQAM	8	0	14.89	14.94	14.85						
3	HQAM	8	7	14.84	14.87	14.80	16	0				
3	25QAM	1	0	15.02	15.05	14.88						
3	25QAM	1	8	14.99	15.01	14.86	16	0				
3	25QAM	1	14	14.90	14.97	14.80						
3	25QAM	8	0	15.00	14.94	14.85						
3	25QAM	8	4	14.98	14.91	14.83	16	0				
3	25QAM	8	7	14.88	14.96	14.80						
3	25QAM	16	0	14.84	14.89							

Band 7 Ant 4 DS1i												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power High Ch / Freq.	Power High Ch / Freq.	Turn-up Int. (dB)	MPE (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	16.83	16.99	16.90			18.5	0		
20	QPSK	1	49	16.83	16.92	16.87						
20	QPSK	50	0	16.88	16.97	16.88			18.5	0		
20	QPSK	50	24	16.84	16.89	16.83						
20	QPSK	50	50	16.83	16.92	16.80			18.5	0		
20	QPSK	100	0	16.82	16.91	16.84						
20	HQAM	1	0	16.80	16.88	16.80			18.5	0		
20	HQAM	1	99	16.75	16.87	16.81						
20	HQAM	50	0	16.77	16.82	16.76			18.5	0		
20	HQAM	50	24	16.76	16.85	16.72						
20	HQAM	50	50	16.74	16.80	16.74			18.5	0		
20	HQAM	100	0	16.71	16.83	16.79						
20	HQAM	1	0	16.81	16.89	16.76			18.5	0		
20	HQAM	1	49	16.70	16.77	16.76						
20	HQAM	1	99	16.69	16.81	16.70			18.5	0		
20	HQAM	50	0	16.77	16.85	16.74						
20	HQAM	50	24	16.75	16.83	16.80			18.5	0		
20	HQAM	50	50	16.73	16.85	16.77						
20	HQAM	100	0	16.77	16.78	16.80			18.5	0		
20	ZSSBAM	1	49	16.71	16.84	16.74						
20	ZSSBAM	1	99	16.72	16.88	16.66			18.5	0		
20	ZSSBAM	50	0	16.72	16.80	16.74						
20	ZSSBAM	50	24	16.73	16.80	16.74			18.5	0		
20	ZSSBAM	50	50	16.71	16.88	16.68						
20	ZSSBAM	100	0	16.70	16.82	16.70			18.5	0		
Channel												
Frequency (MHz)												
16	QPSK	1	0	16.81	16.93	16.86					18.5	0
16	QPSK	1	37	16.72	16.83	16.81						
16	QPSK	1	74	16.76	16.87	16.66			18.5	0		
16	QPSK	36	0	16.80	16.88	16.73						
16	QPSK	36	36	16.72	16.82	16.67			18.5	0		
16	QPSK	36	36	16.79	16.86	16.76						
16	HQAM	1	0	16.67	16.78	16.77			18.5	0		
16	HQAM	1	37	16.61	16.78	16.76						
16	HQAM	1	74	16.69	16.75	16.69			18.5	0		
16	HQAM	36	0	16.74	16.88	16.70						
16	HQAM	36	20	16.64	16.82	16.63			18.5	0		
16	HQAM	75	0	16.62	16.71	16.71						
16	HQAM	1	0	16.77	16.80	16.64			18.5	0		
16	HQAM	1	37	16.69	16.75	16.69						
16	HQAM	1	74	16.56	16.72	16.62			18.5	0		
16	HQAM	36	0	16.65	16.73	16.70						
16	HQAM	36	39	16.68	16.75	16.68			18.5	0		
16	HQAM	75	0	16.74	16.69	16.78						
16	HQAM	1	0	16.69	16.75	16.69			18.5	0		
16	ZSSBAM	1	37	16.64	16.70	16.70						
16	ZSSBAM	1	74	16.65	16.76	16.61			18.5	0		
16	ZSSBAM	36	0	16.71	16.83	16.64						
16	ZSSBAM	36	20	16.67	16.73	16.63			18.5	0		
16	ZSSBAM	36	39	16.68	16.85	16.65						
16	ZSSBAM	75	0	16.68	16.75	16.69			18.5	0		
Channel												
Frequency (MHz)												
5	QPSK	1	0	16.83	16.93	16.86					18.5	0
5	QPSK	1	25	16.76	16.79	16.81						
5	QPSK	1	49	16.71	16.87	16.87			18.5	0		
5	QPSK	12	0	16.82	16.87	16.82						
5	QPSK	25	12	16.82	16.81	16.79			18.5	0		
5	QPSK	25	12	16.79	16.83	16.71						
5	QPSK	25	13	16.77	16.89	16.71			18.5	0		
5	QPSK	50	0	16.80	16.84	16.74						
5	HQAM	1	0	16.87	16.77	16.74			18.5	0		
5	HQAM	1	25	16.71	16.78	16.67						
5	HQAM	1	49	16.69	16.78	16.69			18.5	0		
5	HQAM	25	0	16.75	16.88	16.70						
5	HQAM	25	12	16.70	16.73	16.65			18.5	0		
5	HQAM	25	12	16.65	16.74	16.67						
5	HQAM	50	0	16.65	16.73	16.76			18.5	0		
5	HQAM	1	0	16.75	16.78	16.66						
5	HQAM	1	25	16.67	16.63	16.71			18.5	0		
5	HQAM	1	49	16.66	16.78	16.68						
5	HQAM	25	0	16.75	16.75	16.80			18.5	0		
5	HQAM	25	25	16.60	16.76	16.71						
5	HQAM	50	0	16.68	16.64	16.65			18.5	0		
5	HQAM	50	0	16.67	16.75	16.75						
5	ZSSBAM	1	25	16.68	16.78	16.65			18.5	0		
5	ZSSBAM	1	49	16.66	16.76	16.67						
5	ZSSBAM	12	0	16.72	16.87	16.65			18.5	0		
5	ZSSBAM	25	12	16.63	16.68	16.62						
5	ZSSBAM	25	25	16.63	16.70	16.65			18.5	0		
5	ZSSBAM	50	0	16.68	16.75	16.60						
Channel												
Frequency (MHz)												
5	QPSK	1	0	16.79	16.83	16.78			18.5	0		
5	QPSK	1	12	16.69	16.85	16.75						
5	QPSK	1	24	16.79	16.79	16.69			18.5	0		
5	QPSK	12	0	16.77	16.86	16.83						
5	QPSK	12	7	16.76	16.83	16.72			18.5	0		
5	QPSK	12	13	16.77	16.89	16.69						
5	QPSK	25	0	16.76	16.84	16.80			18.5	0		
5	HQAM	1	0	16.87	16.77	16.74						
5	HQAM	1	12	16.70	16.80	16.71			18.5	0		
5	HQAM	1	24	16.75	16.68	16.64						
5	HQAM	12	0	16.71	16.83	16.68			18.5	0		
5	HQAM	12	7	16.70	16.83	16.61						
5	HQAM	12	13	16.72	16.72	16.71			18.5	0		
5	HQAM	25	0	16.67	16.70	16.73						
5	HQAM	1	0	16.73	16.83	16.70			18.5	0		
5	HQAM	1	12	16.60	16.73	16.72						
5	HQAM	1	24	16.68	16.78	16.61			18.5	0		
5	HQAM	12	0	16.72	16.82	16.76						
5	HQAM	12	7	16.64	16.75	16.76			18.5	0		
5	HQAM	12	13	16.67	16.78	16.72						
5	HQAM	25	0	16.70	16.67	16.71			18.5	0		
5	HQAM	1	0	16.66	16.81	16.81						
5	ZSSBAM	1	12	16.69	16.79	16.67			18.5	0		
5	ZSSBAM	1	24	16.61	16.74	16.60						
5	ZSSBAM	12	0	16.70	16.80	16.61			18.5	0		
5	ZSSBAM	12	7	16.65	16.70	16.60						
5	ZSSBAM	12	13	16.69	16.70	16.57			18.5	0		
5	ZSSBAM	25	0	16.67	16.69	16.67						

Band 12 Ant 4 DS1i										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq. 21000	Power High Ch / Freq. 21009	Power High Ch / Freq. 21100	Turn-up Int. (dB)	MPE (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	24.41	24.55	24.37			20.5	0
10	QPSK	1	25	24.38	24.54	24.26				
10	QPSK	1	49	24.33	24.53	24.31			20.5	1
10	QPSK	25	0	23.43	23.53	23.34				
10	QPSK	25	12	23.42	23.49	23.32			24.5	1
10	QPSK	25	25	23.32	23.48	23.24				
10	QPSK	1	0	24.41	24.55	24.37			24.5	1
10	QPSK	1	25	24.38	24.54	24.26				
10	QPSK	1	49	24.33	24.53	24.31			23.5	2
10	QPSK	25	0	23.42	23.52	23.34				
10	QPSK	25	12	23.42	23.52	23.34			20.5	5
10	QPSK	25	25	23.32	23.52	23.34				
10	QPSK	1	0	24.41	24.55	24.37			20.5	5
10	QPSK	1	25	24.38	24.55	24.27				
10	QPSK	1	49	24.38	24.55	24.27			20.5	5
10	QPSK	25	0	23.32	23.52	23.34				
10	QPSK	25	12	23.32	23.52	23.34			20.5	5
10	QPSK	25	25	23.32	23.52	23.34				
10	QPSK	1	0	24.41	24.55	24.37			20.5	5
10	QPSK	1	25	24.38	24.55	24.27				
10	QPSK	1	49	24.38	24.55	24.27			20.5	5
10	QPSK	25	0	23.32	23.52	23.34				
10	QPSK	25	12	23.32	23.52	23.34			20.5	5
10	QPSK	25	25	23.32	23.52	23.34				
10	QPSK	1	0	24.41	24.55	24.37			20.5	5
10	QPSK	1	25	24.38	24.55	24.27				
10	QPSK	1	49	24.38	24.55	24.27			20.5	5
10	QPSK	25	0	23.32	23.52	23.34				
10	QPSK	25	12	23.32	23.52	23.34			20.5	5
10	QPSK	25	25	23.32	23.52	23.34				
10	QPSK	1	0	24.41	24.55	24.37			20.5	5
10	QPSK	1	25	24.38	24.55	24.27				
10	QPSK	1	49	24.38	24.55	24.27			20.5	5
10	QPSK	25	0	23.32	23.52	23.34				
10	QPSK	25	12	23.32	23.52	23.34			20.5	5
10	QPSK	25	25	23.32	23.52	23.34				
10	QPSK	1	0	24.41	24.55	24.37			20.5	5
10	QPSK	1	25	24.38	24.55	24.27				
10	QPSK	1	49	24.38	24.55	24.27			20.5	5
10	QPSK	25	0	23.32	23.52	23.34				
10	QPSK	25	12	23.32	23.52	23.34			20.5	5
10	QPSK	25	25	23.32	23.52	23.34				
10	QPSK	1	0	24.41	24.55	24.37			20.5	5
10	QPSK	1	25	24.38	24.55	24.27				
10	QPSK	1	49	24.38	24.55	24.27			20.5	5
10	QPSK	25	0	23.32	23.52	23.34				
10	QPSK	25	12	23.32	23.52	23.34			20.5	5
10	QPSK	25	25	23.32	23.52	23.34				
10	QPSK	1	0	24.41	24.55	24.37			20.5	5
10	QPSK	1	25	24.38	24.55	24.27				
10	QPSK	1	49	24.38	24.55	24.27			20.5	5
10	QPSK	25	0	23.32	23.52	23.34				
10	QPSK	25	12	23.32	23.52	23.34			20.5	5
10	QPSK	25	25	23.32	23.52	23.34				
10	QPSK	1	0	24.41	24.55	24.37			20.5	5
10	QPSK	1	25	24.38	24.55	24.27				
10	QPSK	1	49	24.38	24.55	24.27			20.5	5
10	QPSK	25	0	23.32	23.52	23.34				
10	QPSK	25	12	23.32	23.52	23.34			20.5	5
10	QPSK	25	25	23.32	23.52	23.34				
10	QPSK	1	0	24.41	24.55	24.37			20.5	5
10	QPSK	1	25	24.38	24.55	24.27				
10	QPSK	1	49	24.38	24.55	24.27			20.5	5
10	QPSK	25	0	23.32	23.52	23.34				
10	QPSK	25	12	23.32	23.52	23.34			20.5	5
10	QPSK	25	25	23.32	23.52	23.34				
10	QPSK	1	0	24.41	24.55	24.37			20.5	5
10	QPSK	1	25	24.38	24.55	24.27				
10	QPSK	1	49	24.38	24.55	24.27			20.5	5
10	QPSK	25	0	23.32	23.52	23.34				
10	QPSK	25	12	23.32	23.52	23.34			20.5	5
10	QPSK	25	25	23.32	23.52	23.34				
10	QPSK	1	0	24.41	24.55	24.37			20.5	5
10	QPSK	1	25	24.38	24.55	24.27				
10	QPSK	1	49	24.38	24.55	24.27			20.5	5
10	QPSK	25	0	23.32	23.52	23.34				
10	QPSK	25	12	23.32	23.52	23.34			20.5	5
10	QPSK	25	25	23.32	23.52	23.34				
10	QPSK	1	0	24.41	24.55	24.37			20.5	5
10	QPSK	1	25	24.38	24.55	24.27				
10	QPSK	1	49	24.38	24.55	24.27			20.5	5
10	QPSK	25	0	23.32	23.52	23.34				
10	QPSK	25	12	23.32	23.52	23.34			20.5	5
10	QPSK	25	25	23.32	23.52	23.34				
10	QPSK	1	0	24.41	24.55	24.37			20.5	5
10	QPSK	1	25	24.38	24.55	24.27				
10	QPSK	1	49	24.38	24.55	24.27			20.5	5
10	QPSK	25	0	23.32	23.52	23.34				
10	QPSK	25	12	23.32	23.52	23.34			20.5	5
10	QPSK	25	25	23.32	23.52	23.34				
10	QPSK	1	0	24.41	24.55	24.37			20.5	5
10	QPSK	1	25	24.38	24.55	24.27				
10	QPSK	1	49	24.38	24.55	24.27			20.5	5
10	QPSK	25	0	23.32	23.52	23.34				
10	QPSK	25	12	23.32	23.52	23.34			20.5	5
10	QPSK	25	25	23.32	23.52	23.34				
10	QPSK	1	0	24.41	24.55	24.37			20.5	5
10	QPSK	1	25	24.38	24.55	24.27				
10	QPSK	1	49	24.38	24.55	24.27			20.5	5
10	QPSK	25	0	23.32	23.52	23.34				
10	QPSK	25	12	23.32	23.52	23.34			20.5	5
10	QPSK	25	25	23.32	23.52	23.34				
10	QPSK	1	0	24.41	24.55	24.37			20.5	5
10	QPSK	1	25	24.38	24.55	24.27				
10	QPSK	1	49	24.38	24.55	24.27			20.5	5
10	QPSK	25	0	23.32	23.52	23.34				
10	QPSK	25	12	23.32	23.52	23.34			20.5	5
10	QPSK	25	25	23.32	23.52	23.34				
10	QPSK	1	0	24.41	24.55	24.37			20.5	5
10	QPSK	1	25	24.38	24.55	24.27				
10	QPSK	1	49	24.38	24.55	24.27			20.5	5
10	QPSK	25	0	23.32	23.52	23.34				
10	QPSK	25	12	23.32	23.52	23.34			20.5	5
10	QPSK	25	25	23.32	23.52	23.34				
10	QPSK	1	0	24.41	24.55	24.37			20.5	5
10	QPSK	1	25	24.38	24.55	24.27				
10	QPSK	1	49	24.38	24.55	24.27			20.5	5
10	QPSK	25	0	23.32	23.52	23.34				
10	QPSK	25	12	23.32	23.52	23.34			20.5	5
10	QPSK	25	25	23.32	23.52	23.34				
10	QPSK	1	0	24.41	24.55	24.37			20.5	5
10	QPSK	1	25	24.38	24.55	24.27				
10	QPSK	1	49	24.38	24.55	24.27			20.5	5
10	QPSK	25	0	23.32	23.52	23.34				
10	QPSK	25	12	23.32	23.52	23.34			20.5	5
10	QPSK	25	25	23.32	23.52	23.34				
10	QPSK	1	0	24.41	24.55	24.37			20.5	5
10	QPSK	1	25	24.38	24.55	24.27				
10	QPSK	1	49	24.38	24.55	24.27			20.5	5
10	QPSK	25	0	23.32	23.52	23.34				
10	QPSK	25	12	23.32	23.52	23.34			20.5	5
10	QPSK	25	25	23.32	23.52	23.34				
10	QPSK	1	0	24.41	24.55	24.37			20.5	5
10	QPSK	1	25	24.38	24.55	24.27				
10	QPSK	1	49	24.38	24.55	24.27			20.5	5
10	QPSK	25	0	23.32	23.52	23.34				
10	QPSK	25	12	23.32	23.52	23.34			20.5	5
10	QPSK	25	25	23.32	23.52	23.34				
10	QPSK	1	0	24.41	24.55	24.37			20.5	5
10	QPSK	1	25	24.38	24.55	24.27				
10	QPSK	1	49	24.38	24.55	24.27			20.5	5
10	QPSK	25	0	23.32	23.52	23.34				
10	QPSK	25	12	23.32	23.52	23.34			20.5	5
10	QPSK	25	25	23.32	23.52	23.34				
10	QPSK	1	0	24.41	24.55	24.37			20.5	5
10	QPSK	1	25	24.38	24.55	24.27				
10	QPSK	1	49	24.38	24.55	24.27			20.5	5
10	QPSK	25	0	23.32	23.52	23.34				
10	QPSK	25	12	23.32	23.52	23.34			20.5	5
10	QPSK	25	25	23.32	23.52	23.34				
10	QPSK	1	0	24.41	24.55	24.37			20.5	5
10	QPSK	1	2							

Band 26 Ant 4 DS11														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up Intvl (sec)	MPR (dB)						
Channel														
Frequency (MHz)														
15	QPSK	1	0	22.80	22.81	22.81	24	0						
15	QPSK	1	37	22.88	22.84	22.78								
15	QPSK	1	74	22.81	22.83	22.89								
15	QPSK	36	0	22.81	22.86	22.79								
15	QPSK	36	20	22.81	22.80	22.87	24	0						
15	QPSK	36	39	22.85	22.83	22.83								
15	QPSK	75	0	22.86	22.83	22.77								
15	HQAM	1	0	22.81	22.80	22.87								
15	HQAM	1	37	22.81	22.87	22.76	24	0						
15	HQAM	1	74	22.79	22.85	22.80								
15	HQAM	36	0	22.82	22.87	22.80								
15	HQAM	36	20	22.80	22.85	22.86								
15	HQAM	75	0	22.81	22.85	22.82	23.5	0.5						
15	HQAM	1	0	22.81	22.80	22.86								
15	HQAM	1	37	22.29	22.36	22.25								
15	HQAM	1	74	22.29	22.36	22.35								
15	HQAM	36	0	21.34	21.42	21.25	22.5	1.5						
15	HQAM	36	20	21.42	21.42	21.38								
15	HQAM	36	39	21.30	21.40	21.38								
15	HQAM	75	0	21.40	21.46	21.30								
15	HQAM	1	0	19.26	19.34	19.28	20.5	3.5						
15	HQAM	1	37	19.37	19.37	19.42								
15	HQAM	1	74	19.37	19.39	19.35								
15	HQAM	36	0	19.32	19.34	19.33								
15	HQAM	36	20	19.39	19.42	19.32	20.5	3.5						
15	HQAM	36	39	19.39	19.34	19.20								
15	HQAM	75	0	19.26	19.30	19.27								
Channel														
Frequency (MHz)														
10	QPSK	1	0	22.80	22.88	22.79	24	0						
10	QPSK	1	25	22.81	22.81	22.71								
10	QPSK	1	49	22.78	22.88	22.84								
10	QPSK	25	0	22.76	22.82	22.71								
10	QPSK	25	12	22.80	22.79	22.77	24	0						
10	QPSK	25	25	22.77	22.88	22.78								
10	QPSK	50	0	22.80	22.81	22.86								
10	HQAM	1	0	22.88	22.87	22.79								
10	HQAM	1	25	22.78	22.79	22.69	24	0						
10	HQAM	1	49	22.80	22.80	22.78								
10	HQAM	25	0	22.27	22.35	22.23								
10	HQAM	25	12	22.35	22.36	22.19								
10	HQAM	50	0	22.38	22.33	22.16	23.5	0.5						
10	HQAM	1	0	22.28	22.29	22.26								
10	HQAM	1	25	22.27	22.29	22.28								
10	HQAM	1	49	22.23	22.24	22.25								
10	HQAM	25	0	21.26	21.29	21.12	22.5	1.5						
10	HQAM	25	12	21.34	21.39	21.28								
10	HQAM	25	25	21.24	21.25	21.22								
10	HQAM	50	0	21.34	21.41	21.18								
10	HQAM	1	0	19.24	19.32	19.20	20.5	3.5						
10	HQAM	1	25	19.33	19.27	19.27								
10	HQAM	1	49	19.27	19.35	19.28								
10	HQAM	25	0	19.26	19.34	19.23								
10	HQAM	25	12	19.33	19.35	19.21	20.5	3.5						
10	HQAM	25	25	19.22	19.27	19.13								
10	HQAM	50	0	19.16	19.23	19.15								
Channel														
Frequency (MHz)														
5	QPSK	1	0	22.80	22.88	22.79	24	0						
5	QPSK	1	12	22.78	22.87	22.89								
5	QPSK	1	24	22.72	22.89	22.86								
5	QPSK	12	0	22.86	22.87	22.87								
5	QPSK	12	7	22.82	22.80	22.83	24	0						
5	QPSK	12	13	22.81	22.81	22.72								
5	QPSK	36	0	22.82	22.82	22.82								
5	HQAM	1	0	22.88	22.84	22.76								
5	HQAM	1	12	22.77	22.78	22.64	24	0						
5	HQAM	1	24	22.76	22.78	22.67								
5	HQAM	12	0	22.28	22.44	22.19								
5	HQAM	12	7	22.35	22.33	22.22								
5	HQAM	12	13	22.35	22.38	22.15	23.5	0.5						
5	HQAM	25	0	22.27	22.39	22.15								
5	HQAM	1	0	21.31	21.37	21.23								
5	HQAM	1	12	21.27	21.33	21.13								
5	HQAM	1	24	22.22	22.30	22.25	22.5	1.5						
5	HQAM	12	0	21.26	21.36	21.18								
5	HQAM	12	7	21.35	21.30	21.25								
5	HQAM	12	13	21.17	21.39	21.33								
5	HQAM	25	0	21.34	21.43	21.27	20.5	3.5						
5	HQAM	1	0	19.17	19.33	19.17								
5	HQAM	1	12	19.25	19.34	19.29								
5	HQAM	1	24	19.24	19.34	19.30								
5	HQAM	12	0	19.28	19.33	19.24	20.5	3.5						
5	HQAM	12	7	19.33	19.33	19.36								
5	HQAM	12	13	19.22	19.32	19.16								
5	HQAM	25	0	19.24	19.32	19.13								
Channel														
Frequency (MHz)														
3	QPSK	1	0	22.80	22.88	22.79	24	0						
3	QPSK	1	8	22.82	22.85	22.71								
3	QPSK	1	14	22.75	22.81	22.89								
3	QPSK	8	0	22.71	22.87	22.73								
3	QPSK	8	4	22.81	22.85	22.76	24	0						
3	QPSK	8	7	22.74	22.80	22.69								
3	QPSK	16	0	22.84	22.84	22.82								
3	HQAM	1	0	22.87	22.85	22.75								
3	HQAM	1	8	22.77	22.85	22.62	24	0						
3	HQAM	1	14	22.77	22.80	22.74								
3	HQAM	8	0	22.23	22.38	22.04								
3	HQAM	8	4	22.29	22.33	22.27								
3	HQAM	16	0	22.24	22.32	22.17	23.5	0.5						
3	HQAM	16	0	22.29	22.42	22.15								
3	HQAM	1	0	22.29	22.31	22.31								
3	HQAM	1	8	22.21	22.28	22.16								
3	HQAM	1	14	22.25	22.30	22.29	22.5	1.5						
3	HQAM	8	0	21.29	21.38	21.12								
3	HQAM	8	4	21.35	21.38	21.23								
3	HQAM	8	7	21.24	21.37	21.31								
3	HQAM	16	0	21.36	21.40	21.18	20.5	3.5						
3	HQAM	1	0	19.21	19.40	19.28								
3	HQAM	1	8	19.26	19.32	19.29								
3	HQAM	1	14	19.23	19.33	19.29								
3	HQAM	8	0	19.23	19.36	19.19	20.5	3.5						
3	HQAM	8	4	19.25	19.31	19.23								
3	HQAM	8	7	19.17	19.29	19.07								
3	HQAM	16	0	19.20	19.27	19.15								
Channel														
Frequency (MHz)														

Band 38 Ant 1 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	23.49	23.51	23.47	24.5	0	
20	QPSK	1	49	23.47	23.50	23.42			
20	QPSK	1	99	23.46	23.49	23.44			
20	QPSK	50	0	22.53	22.49	22.42	23.5	1	
20	QPSK	50	24	22.48	22.47	22.46			
20	QPSK	50	50	22.41	22.49	22.39			
20	QPSK	100	0	22.44	22.45	22.39	23.5	1	
20	16QAM	1	0	22.44	22.50	22.44			
20	16QAM	1	49	22.48	22.45	22.46			
20	16QAM	1	99	22.49	22.46	22.48	22.5	2	
20	16QAM	50	0	21.48	21.49	21.42			
20	16QAM	50	24	21.45	21.47	21.43			
20	16QAM	50	50	21.36	21.54	21.36	21.5	3	
20	16QAM	100	0	21.49	21.42	21.37			
20	64QAM	1	0	21.44	21.51	21.52			
20	64QAM	1	49	21.48	21.50	21.36	19.5	5	
20	64QAM	1	99	21.48	21.45	21.41			
20	64QAM	50	0	20.49	20.53	20.47			
20	64QAM	50	24	20.49	20.42	20.51	19.5	5	
20	64QAM	50	50	20.40	20.44	20.35			
20	64QAM	100	0	20.45	20.51	20.42			
20	256QAM	1	0	18.48	18.49	18.52	19.5	5	
20	256QAM	1	49	18.45	18.47	18.42			
20	256QAM	1	99	18.51	18.53	18.40			
20	256QAM	50	0	18.50	18.52	18.48	19.5	5	
20	256QAM	50	24	18.46	18.48	18.47			
20	256QAM	50	50	18.43	18.47	18.43			
20	256QAM	100	0	18.45	18.49	18.33	Tune-up limit (dBm)	MPR (dB)	
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	23.44	23.49	23.43	24.5	0	
15	QPSK	1	37	23.45	23.48	23.42			
15	QPSK	1	74	23.34	23.41	23.38			
15	QPSK	36	0	22.41	22.48	22.39	23.5	1	
15	QPSK	36	20	22.48	22.43	22.45			
15	QPSK	36	39	22.31	22.45	22.30			
15	QPSK	75	0	22.34	22.43	22.35	23.5	1	
15	16QAM	1	0	22.38	22.45	22.42			
15	16QAM	1	37	22.37	22.45	22.43			
15	16QAM	1	74	22.40	22.43	22.46	22.5	2	
15	16QAM	36	0	21.48	21.37	21.33			
15	16QAM	36	20	21.34	21.37	21.36			
15	16QAM	36	39	21.34	21.49	21.28	22.5	2	
15	16QAM	75	0	21.45	21.32	21.30			
15	64QAM	1	0	21.43	21.41	21.50			
15	64QAM	1	37	21.42	21.40	21.26	21.5	3	
15	64QAM	1	74	21.44	21.42	21.32			
15	64QAM	36	0	20.48	20.44	20.47			
15	64QAM	36	20	20.39	20.39	20.48	19.5	5	
15	64QAM	36	39	20.40	20.39	20.34			
15	64QAM	75	0	20.45	20.42	20.40			
15	256QAM	1	0	18.43	18.38	18.45	19.5	5	
15	256QAM	1	37	18.43	18.42	18.39			
15	256QAM	1	74	18.41	18.48	18.32			
15	256QAM	36	0	18.47	18.43	18.46	19.5	5	
15	256QAM	36	20	18.44	18.39	18.40			
15	256QAM	36	39	18.34	18.35	18.37			
15	256QAM	75	0	18.42	18.48	18.23	Tune-up limit (dBm)	MPR (dB)	
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	23.48	23.48	23.45	24.5	0	
10	QPSK	1	25	23.36	23.41	23.40			
10	QPSK	1	49	23.38	23.39	23.34			
10	QPSK	25	0	22.41	22.38	22.31	23.5	1	
10	QPSK	25	12	22.37	22.41	22.35			
10	QPSK	25	25	22.35	22.46	22.45			
10	QPSK	50	0	22.44	22.36	22.27	23.5	1	
10	16QAM	1	0	22.36	22.45	22.39			
10	16QAM	1	25	22.38	22.42	22.35			
10	16QAM	1	49	22.39	22.38	22.37	22.5	2	
10	16QAM	25	0	21.38	21.40	21.34			
10	16QAM	25	12	21.37	21.41	21.40			
10	16QAM	25	25	21.33	21.44	21.34	21.5	3	
10	16QAM	50	0	21.44	21.39	21.28			
10	64QAM	1	0	21.35	21.46	21.43			
10	64QAM	1	25	21.47	21.46	21.28	19.5	5	
10	64QAM	1	49	21.37	21.37	21.34			
10	64QAM	25	0	20.42	20.51	20.41			
10	64QAM	25	12	20.38	20.36	20.48	19.5	5	
10	64QAM	25	25	20.35	20.42	20.27			
10	64QAM	50	0	20.38	20.48	20.35			
10	256QAM	1	0	18.43	18.40	18.41	19.5	5	
10	256QAM	1	25	18.44	18.46	18.38			
10	256QAM	1	49	18.42	18.50	18.32			
10	256QAM	25	0	18.41	18.48	18.36	19.5	5	
10	256QAM	25	12	18.43	18.47	18.44			
10	256QAM	25	25	18.41	18.45	18.41			
10	256QAM	50	0	18.44	18.44	18.25	Tune-up limit (dBm)	MPR (dB)	
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	23.42	23.48	23.41	24.5	0	
5	QPSK	1	12	23.38	23.41	23.35			
5	QPSK	1	24	23.45	23.42	23.42			
5	QPSK	12	0	22.44	22.46	22.40	23.5	1	
5	QPSK	12	7	22.39	22.43	22.45			
5	QPSK	12	13	22.41	22.41	22.30			
5	QPSK	25	0	22.37	22.35	22.30	23.5	1	
5	16QAM	1	0	22.41	22.45	22.43			
5	16QAM	1	12	22.46	22.36	22.39			
5	16QAM	1	24	22.40	22.35	22.41	22.5	2	
5	16QAM	12	0	21.48	21.40	21.30			
5	16QAM	12	7	21.40	21.41	21.43			
5	16QAM	12	13	21.29	21.53	21.33	22.5	2	
5	16QAM	25	0	21.44	21.31	21.31			
5	64QAM	1	0	21.42	21.46	21.49			
5	64QAM	1	12	21.38	21.42	21.26	21.5	3	
5	64QAM	1	24	21.39	21.35	21.41			
5	64QAM	12	0	20.40	20.42	20.44			
5	64QAM	12	7	20.43	20.41	20.48	19.5	5	
5	64QAM	12	13	20.38	20.37	20.34			
5	64QAM	25	0	20.35	20.41	20.33			
5	256QAM	1	0	18.39	18.39	18.41	19.5	5	
5	256QAM	1	12	18.44	18.42	18.30			
5	256QAM	1	24	18.47	18.49	18.39			
5	256QAM	12	0	18.45	18.43	18.44	19.5	5	
5	256QAM	12	7	18.45	18.45	18.40			
5	256QAM	12	13	18.40	18.39	18.39			
5	256QAM	25	0	18.39	18.46	18.23	Tune-up limit (dBm)	MPR (dB)	

Band 41 Ant 1 DSI1											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Low Middle Ch / Freq.	Power Power Middle Ch / Freq.	Power High Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40620	41055	41490			
Frequency (MHz)				2506	2549.5	2593	2636.5	2680.5			
20	QPSK	1	0	23.44	23.56	23.60	23.55	23.54	24.5	0	
20	QPSK	1	49	23.42	23.47	23.56	23.46	23.53			
20	QPSK	1	99	23.40	23.46	23.54	23.47	23.49			
20	QPSK	50	0	22.40	22.43	22.54	22.42	22.47	23.5	1	
20	QPSK	50	24	22.37	22.49	22.53	22.44	22.48			
20	QPSK	50	50	22.36	22.42	22.46	22.34	22.37			
20	QPSK	100	0	22.32	22.41	22.49	22.35	22.41	23.5	1	
20	16QAM	1	0	22.49	22.57	22.59	22.56	22.57			
20	16QAM	1	49	22.44	22.41	22.51	22.49	22.55			
20	16QAM	1	99	22.44	22.49	22.59	22.48	22.46	22.5	2	
20	16QAM	50	0	21.38	21.48	21.53	21.44	21.44			
20	16QAM	50	24	21.35	21.50	21.58	21.38	21.51			
20	16QAM	50	50	21.36	21.37	21.46	21.32	21.31	22.5	2	
20	16QAM	100	0	21.28	21.39	21.53	21.39	21.42			
20	64QAM	1	0	21.43	21.53	21.58	21.51	21.51			
20	64QAM	1	49	21.45	21.44	21.55	21.40	21.49	22.5	2	
20	64QAM	1	99	21.38	21.50	21.53	21.45	21.54			
20	64QAM	50	0	20.43	20.47	20.55	20.38	20.43			
20	64QAM	50	24	20.39	20.47	20.58	20.48	20.46	21.5	3	
20	64QAM	50	50	20.36	20.46	20.43	20.29	20.38			
20	64QAM	100	0	20.31	20.44	20.51	20.32	20.43			
20	256QAM	1	0	18.41	18.52	18.58	18.57	18.49	19.5	5	
20	256QAM	1	49	18.44	18.44	18.58	18.40	18.55			
20	256QAM	1	99	18.44	18.48	18.50	18.44	18.49			
20	256QAM	50	0	18.39	18.41	18.52	18.47	18.47	19.5	5	
20	256QAM	50	24	18.36	18.53	18.53	18.45	18.43			
20	256QAM	50	50	18.36	18.39	18.41	18.28	18.32			
20	256QAM	100	0	18.31	18.45	18.47	18.31	18.39			
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5			
15	QPSK	1	0	23.35	23.49	23.55	23.52	23.49	24.50	0	
15	QPSK	1	37	23.35	23.42	23.48	23.36	23.46			
15	QPSK	1	74	23.34	23.42	23.54	23.46	23.46			
15	QPSK	36	0	22.32	22.39	22.53	22.34	22.44	23.5	1	
15	QPSK	36	20	22.32	22.48	22.50	22.35	22.38			
15	QPSK	36	39	22.28	22.38	22.44	22.33	22.34			
15	QPSK	36	0	22.32	22.37	22.47	22.30	22.33	23.5	1	
15	16QAM	1	0	22.47	22.51	22.56	22.49	22.50			
15	16QAM	1	37	22.32	22.40	22.39	22.40	22.49			
15	16QAM	1	74	22.41	22.41	22.50	22.38	22.41	22.5	2	
15	16QAM	36	0	21.28	21.42	21.41	21.39	21.33			
15	16QAM	36	20	21.29	21.38	21.54	21.29	21.50			
15	16QAM	36	39	21.26	21.27	21.43	21.20	21.25	22.5	2	
15	16QAM	75	0	21.18	21.37	21.50	21.32	21.40			
15	64QAM	1	0	21.43	21.48	21.55	21.49	21.40			
15	64QAM	1	37	21.44	21.41	21.45	21.33	21.48	22.5	2	
15	64QAM	1	74	21.30	21.50	21.43	21.44	21.43			
15	64QAM	36	0	20.40	20.43	20.44	20.27	20.41			
15	64QAM	36	20	20.39	20.46	20.53	20.40	20.38	21.5	3	
15	64QAM	36	39	20.35	20.42	20.39	20.20	20.27			
15	64QAM	75	0	20.30	20.44	20.47	20.25	20.33			
15	256QAM	1	0	18.37	18.44	18.56	18.49	18.42	19.5	5	
15	256QAM	1	37	18.38	18.37	18.51	18.39	18.49			
15	256QAM	1	74	18.40	18.38	18.44	18.36	18.38			
15	256QAM	36	0	18.35	18.36	18.49	18.40	18.40	19.5	5	
15	256QAM	36	20	18.27	18.47	18.43	18.36	18.35			
15	256QAM	36	39	18.25	18.37	18.34	18.25	18.27			
15	256QAM	75	0	18.29	18.35	18.41	18.22	18.29			
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501	2547	2593	2639	2685			
10	QPSK	1	0	23.37	23.53	23.57	23.48	23.50	24.50	0	
10	QPSK	1	25	23.39	23.36	23.47	23.35	23.50			
10	QPSK	1	49	23.40	23.42	23.42	23.41	23.48			
10	QPSK	25	0	22.34	22.37	22.53	22.34	22.38	23.5	1	
10	QPSK	25	12	22.32	22.42	22.42	22.35	22.37			
10	QPSK	25	25	22.29	22.42	22.40	22.34	22.31			
10	16QAM	50	0	22.22	22.37	22.48	22.24	22.21	23.5	1	
10	16QAM	1	0	22.39	22.50	22.48	22.50	22.54			
10	16QAM	1	25	22.41	22.30	22.49	22.45	22.50			
10	16QAM	1	49	22.41	22.45	22.58	22.44	22.38	22.5	2	
10	16QAM	25	0	21.28	21.40	21.53	21.34	21.39			
10	16QAM	25	12	21.33	21.41	21.54	21.31	21.45			
10	16QAM	25	25	21.28	21.30	21.41	21.24	21.23	22.5	2	
10	16QAM	50	0	21.22	21.37	21.43	21.37	21.38			
10	64QAM	1	0	21.37	21.43	21.49	21.47	21.41			
10	64QAM	1	25	21.44	21.38	21.44	21.34	21.41	22.5	2	
10	64QAM	1	49	21.37	21.48	21.49	21.43	21.49			
10	64QAM	25	0	20.42	20.39	20.49	20.32	20.38			
10	64QAM	25	12	20.34	20.36	20.56	20.43	20.38	21.5	3	
10	64QAM	25	25	20.28	20.38	20.32	20.26	20.29			
10	64QAM	50	0	20.22	20.37	20.42	20.22	20.39			
10	256QAM	1	0	18.34	18.47	18.55	18.53	18.39	19.5	5	
10	256QAM	1	25	18.44	18.44	18.56	18.36	18.53			
10	256QAM	1	49	18.37	18.37	18.41	18.33	18.38			
10	256QAM	25	0	18.31	18.39	18.48	18.37	18.43	19.5	5	
10	256QAM	25	12	18.31	18.53	18.43	18.35	18.38			
10	256QAM	25	25	18.24	18.37	18.39	18.21	18.31			
10	256QAM	50	0	18.23	18.34	18.36	18.19	18.30			
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5			
5	QPSK	1	0	23.35	23.52	23.57	23.52	23.47	24.50	0	
5	QPSK	1	12	23.30	23.46	23.55	23.44	23.46			
5	QPSK	1	24	23.30	23.45	23.54	23.44	23.41			
5	QPSK	12	0	22.33	22.41	22.50	22.35	22.44	23.5	1	
5	QPSK	12	7	22.37	22.46	22.51	22.41	22.44			
5	QPSK	12	13	22.27	22.38	22.40	22.32	22.30			
5	QPSK	25	0	22.30	22.39	22.38	22.33	22.32	23.5	1	
5	16QAM	1	0	22.39	22.48	22.52	22.54	22.54			
5	16QAM	1	12	22.32	22.41	22.40	22.39	22.44			
5	16QAM	1	24	22.33	22.46	22.57	22.47	22.42	22.5	2	
5	16QAM	12	0	21.26	21.41	21.47	21.42	21.38			
5	16QAM	12	7	21.29	21.43	21.58	21.27	21.44			
5	16QAM	12	13	21.32	21.31	21.39	21.22	21.31	22.5	2	
5	16QAM	25	0	21.26	21.36	21.45	21.39	21.39			
5	64QAM	1	0	21.33	21.44	21.50	21.40	21.45			
5	64QAM	1	12	21.44	21.42	21.45	21.28	21.47	22.5	2	
5	64QAM	1	24	21.36	21.39	21.42	21.39	21.49			
5	64QAM	12	0	20.32	20.40	20.48	20.31	20.32			
5	64QAM	12	7	20.37	20.37	20.49	20.43	20.39	21.5	3	
5	64QAM	12	13	20.31	20.41	20.37	20.20	20.31			
5	64QAM	25	0	20.24	20.34	20.51	20.27	20.35			
5	256QAM	1	0	18.32	18.47	18.48	18.47	18.42	19.5	5	
5	256QAM	1	12	18.37	18.38	18.48	18.37	18.55			
5	256QAM	1	24	18.42	18.43	18.41	18.33	18.43			
5	256QAM	12	0	18.36	18.30	18.51	18.43	18.45	19.5	5	
5	256QAM	12	7	18.25	18.44	18.43	18.37	18.33			
5	256QAM	12	13	18.27	18.35	18.39	18.23	18.30			
5	256QAM	25	0	18.20	18.33	18.36	18.21	18.30			

Band 42 Part 27Q Ant 2 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	19.06	19.15	19.09	20	0	
20	QPSK	1	49	18.98	19.10	18.99			
20	QPSK	1	99	18.96	19.06	19.02			
20	QPSK	50	0	18.05	18.18	18.04	19	1	
20	QPSK	50	24	17.97	18.09	18.00			
20	QPSK	50	50	17.95	18.10	18.07			
20	QPSK	100	0	18.11	18.15	18.14	19	1	
20	16QAM	1	0	18.11	18.14	18.05			
20	16QAM	1	49	18.03	18.16	18.04			
20	16QAM	1	99	17.96	18.03	18.01	18	2	
20	16QAM	50	0	17.07	17.16	17.09			
20	16QAM	50	24	17.01	17.06	17.01			
20	16QAM	50	50	16.97	17.05	17.13	18	2	
20	64QAM	1	0	17.07	17.18	17.00			
20	64QAM	1	49	17.06	17.22	17.08			
20	64QAM	1	99	17.01	17.02	17.03	17	3	
20	64QAM	50	0	16.02	16.16	15.98			
20	64QAM	50	24	16.03	16.12	16.02			
20	64QAM	50	50	15.92	16.12	16.12	15	5	
20	64QAM	100	0	16.11	16.16	16.15			
20	256QAM	1	0	14.07	14.14	14.04			
20	256QAM	1	49	13.92	14.08	13.99	15	5	
20	256QAM	1	99	13.93	14.12	14.01			
20	256QAM	50	0	14.06	14.17	14.16			
20	256QAM	50	24	14.06	14.18	14.03	15	5	
20	256QAM	50	50	14.02	14.20	14.02			
20	256QAM	100	0	13.92	14.05	14.01			
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	19.02	19.04	19.04	20	0	
15	QPSK	1	37	18.96	18.99	18.89			
15	QPSK	1	74	18.92	19.01	18.90			
15	QPSK	36	0	17.91	18.09	18.01	19	1	
15	QPSK	36	20	17.84	18.04	17.98			
15	QPSK	36	39	17.90	18.08	17.95			
15	QPSK	75	0	18.07	18.09	18.08	19	1	
15	16QAM	1	0	18.07	18.12	18.01			
15	16QAM	1	37	18.00	18.02	17.94			
15	16QAM	1	74	17.84	17.97	17.87	18	2	
15	16QAM	36	0	17.04	17.11	16.95			
15	16QAM	36	20	16.90	16.92	16.95			
15	16QAM	36	39	16.89	17.03	17.04	18	2	
15	16QAM	75	0	17.06	17.11	17.10			
15	64QAM	1	0	17.01	17.10	16.93			
15	64QAM	1	37	16.99	17.09	17.03	18	2	
15	64QAM	1	74	16.89	16.88	16.92			
15	64QAM	36	0	15.99	16.10	15.93	17	3	
15	64QAM	36	20	15.92	16.08	15.91			
15	64QAM	36	39	15.83	16.05	16.00			
15	64QAM	75	0	15.97	16.09	16.09	15	5	
15	256QAM	1	0	14.02	14.07	13.91			
15	256QAM	1	37	13.78	14.02	13.96			
15	256QAM	1	74	13.83	14.07	13.89	15	5	
15	256QAM	36	0	14.04	14.11	14.11			
15	256QAM	36	20	14.00	14.04	13.94			
15	256QAM	36	39	13.90	14.10	13.93	Tune-up limit (dBm)	MPR (dB)	
15	256QAM	75	0	13.90	13.95	13.94			
Channel				42140	42590	43040			
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	18.98	19.02	19.06	20	0	
10	QPSK	1	25	18.93	18.96	18.96			
10	QPSK	1	49	18.90	18.96	18.93			
10	QPSK	25	0	17.99	18.05	17.92	19	1	
10	QPSK	25	12	17.88	18.05	17.96			
10	QPSK	25	25	17.88	18.06	17.97			
10	QPSK	50	0	18.02	18.05	18.12	19	1	
10	16QAM	1	0	18.00	18.06	17.97			
10	16QAM	1	25	17.97	18.03	17.98			
10	16QAM	1	49	17.91	17.92	17.91	18	2	
10	16QAM	25	0	17.00	17.10	16.99			
10	16QAM	25	12	16.90	17.00	16.89			
10	16QAM	25	25	16.91	16.96	17.06	18	2	
10	16QAM	50	0	17.07	17.10	17.08			
10	64QAM	1	0	17.02	17.15	16.91			
10	64QAM	1	25	17.03	17.15	16.99	18	2	
10	64QAM	1	49	16.91	16.91	16.95			
10	64QAM	25	0	15.99	16.10	15.90			
10	64QAM	25	12	15.96	16.09	15.97	17	3	
10	64QAM	25	25	15.85	16.06	15.99			
10	64QAM	50	0	16.02	16.10	16.01			
10	256QAM	1	0	13.99	14.11	13.92	15	5	
10	256QAM	1	25	13.86	13.95	13.89			
10	256QAM	1	49	13.87	14.04	13.87			
10	256QAM	25	0	13.97	14.14	14.03	15	5	
10	256QAM	25	12	13.98	14.07	13.95			
10	256QAM	25	25	13.96	14.15	13.90			
10	256QAM	50	0	13.85	13.94	13.98	Tune-up limit (dBm)	MPR (dB)	
Channel				42115	42590	43065			
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	19.00	19.05	18.98	20	0	
5	QPSK	1	12	18.93	19.01	18.96			
5	QPSK	1	24	18.86	18.99	18.96			
5	QPSK	12	0	17.94	18.13	17.98	19	1	
5	QPSK	12	7	17.88	18.02	17.88			
5	QPSK	12	13	17.86	18.00	17.95			
5	QPSK	25	0	18.01	18.12	18.08	19	1	
5	16QAM	1	0	18.06	18.10	17.94			
5	16QAM	1	12	17.89	18.11	18.01			
5	16QAM	1	24	17.87	17.97	17.95	18	2	
5	16QAM	12	0	17.03	17.03	16.99			
5	16QAM	12	7	16.97	17.03	16.90			
5	16QAM	12	13	16.88	17.00	17.04	18	2	
5	16QAM	25	0	17.00	17.12	17.07			
5	64QAM	1	0	16.96	17.10	16.91			
5	64QAM	1	12	16.96	17.16	17.02	18	2	
5	64QAM	1	24	16.92	16.92	16.95			
5	64QAM	12	0	15.89	16.11	15.91			
5	64QAM	12	7	15.90	16.05	15.95	17	3	
5	64QAM	12	13	15.88	16.05	16.00			
5	64QAM	25	0	15.97	16.06	16.01			
5	256QAM	1	0	14.02	14.06	13.90	15	5	
5	256QAM	1	12	13.79	14.04	13.89			
5	256QAM	1	24	13.86	14.09	13.88			
5	256QAM	12	0	13.92	14.08	14.05	15	5	
5	256QAM	12	7	13.99	14.14	13.98			
5	256QAM	12	13	13.97	14.13	13.97			
5	256QAM	25	0	13.85	13.94	13.97			

Band 48 Ant 2 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	19.03	19.12	19.01	19.10	20	0
20	QPSK	1	49	19.01	19.06	18.94	19.00		
20	QPSK	1	99	19.01	19.11	18.93	19.09		
20	QPSK	50	0	18.08	18.13	17.99	18.09		
20	QPSK	50	24	18.05	18.04	18.00	17.99	19	1
20	QPSK	50	50	18.01	18.11	17.87	18.04		
20	QPSK	100	0	18.02	18.14	17.92	18.01	19	1
20	16QAM	1	0	18.02	18.11	17.97	18.06		
20	16QAM	1	49	17.95	18.03	17.91	18.04		
20	16QAM	1	99	17.97	18.05	17.90	18.05		
20	16QAM	50	0	17.07	17.16	17.05	17.05	18	2
20	16QAM	50	24	17.00	17.03	17.03	16.93		
20	16QAM	50	50	16.96	17.10	16.89	17.03		
20	16QAM	100	0	16.98	17.16	16.93	17.02		
20	64QAM	1	0	17.03	17.06	17.03	17.11	18	2
20	64QAM	1	49	17.02	17.04	16.94	16.96		
20	64QAM	1	99	17.00	17.08	16.92	17.14		
20	64QAM	50	0	16.03	16.14	16.00	16.07		
20	64QAM	50	24	16.08	16.03	16.03	15.95	17	3
20	64QAM	50	50	15.95	16.15	15.90	16.03		
20	64QAM	100	0	16.01	16.17	15.91	16.01	15	5
20	256QAM	1	0	14.04	14.06	14.06	14.15		
20	256QAM	1	49	14.06	14.05	13.96	14.01		
20	256QAM	1	99	14.03	14.05	13.95	14.11		
20	256QAM	50	0	14.08	14.15	13.97	14.09	15	5
20	256QAM	50	24	14.01	14.07	13.98	13.94		
20	256QAM	50	50	14.06	14.08	13.86	14.08		
20	256QAM	100	0	14.05	14.10	13.93	14.04		
Channel				55315	55820	56160	56655	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	18.97	19.10	18.98	19.03		
15	QPSK	1	37	18.95	19.01	18.87	18.89		
15	QPSK	1	74	18.95	19.08	18.83	19.02		
15	QPSK	36	0	18.06	18.08	17.89	18.06		
15	QPSK	36	20	18.01	18.07	17.97	17.99	19	1
15	QPSK	36	39	17.93	18.09	17.84	17.99		
15	QPSK	75	0	17.94	18.03	17.89	17.98		
15	16QAM	1	0	17.92	18.00	17.92	18.04		
15	16QAM	1	37	17.91	18.02	17.85	18.00	19	1
15	16QAM	1	74	17.86	17.94	17.81	17.98		
15	16QAM	36	0	16.97	17.06	17.01	16.93		
15	16QAM	36	20	16.98	16.93	16.91	16.83		
15	16QAM	36	39	16.86	17.03	16.79	17.01	18	2
15	16QAM	75	0	16.94	17.04	16.86	17.01		
15	64QAM	1	0	16.94	16.94	17.00	17.09		
15	64QAM	1	37	16.91	16.94	16.83	16.95		
15	64QAM	1	74	16.91	17.00	16.81	17.11	18	2
15	64QAM	36	0	15.95	16.14	15.99	16.05		
15	64QAM	36	20	16.01	15.94	15.95	15.91		
15	64QAM	36	39	15.89	16.07	15.89	16.00		
15	64QAM	75	0	15.96	16.09	15.90	15.89	17	3
15	256QAM	1	0	14.01	14.02	14.00	14.04		
15	256QAM	1	37	14.02	13.97	13.89	13.95		
15	256QAM	1	74	14.00	13.96	13.83	14.05		
15	256QAM	36	0	14.06	14.03	13.93	13.98	15	5
15	256QAM	36	20	13.99	13.96	13.89	13.86		
15	256QAM	36	39	13.99	14.02	13.78	14.07		
15	256QAM	75	0	13.94	14.03	13.90	13.97		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	18.97	19.10	18.98	19.07		
10	QPSK	1	25	18.94	18.95	18.92	18.98		
10	QPSK	1	49	18.95	19.10	18.86	19.04		
10	QPSK	25	0	18.07	18.13	17.95	17.99		
10	QPSK	25	12	18.01	17.98	17.99	17.88	19	1
10	QPSK	25	25	17.95	18.03	17.76	17.94		
10	QPSK	50	0	17.99	18.13	17.90	17.94		
10	16QAM	1	0	17.92	18.04	17.93	17.95		
10	16QAM	1	25	17.94	18.00	17.88	18.04	19	1
10	16QAM	1	49	17.88	18.00	17.88	17.99		
10	16QAM	25	0	16.96	17.14	16.98	17.00		
10	16QAM	25	12	16.93	16.98	17.02	16.85		
10	16QAM	25	25	16.93	17.01	16.87	16.98	18	2
10	16QAM	50	0	16.88	17.09	16.90	16.92		
10	64QAM	1	0	16.94	17.04	16.92	17.07		
10	64QAM	1	25	17.02	16.93	16.92	16.97		
10	64QAM	1	49	16.93	17.06	16.82	17.13	18	2
10	64QAM	25	0	15.97	16.04	15.95	16.05		
10	64QAM	25	12	16.05	15.99	15.97	15.84		
10	64QAM	25	25	15.84	16.13	15.79	15.99		
10	64QAM	50	0	15.96	16.15	15.83	15.96	17	3
10	256QAM	1	0	14.04	14.03	13.95	14.07		
10	256QAM	1	25	14.02	13.98	13.93	14.00		
10	256QAM	1	49	13.96	14.03	13.88	14.10		
10	256QAM	25	0	13.97	14.11	13.89	13.98	15	5
10	256QAM	25	12	13.90	14.05	13.86	13.89		
10	256QAM	25	25	13.99	13.97	13.76	14.07		
10	256QAM	50	0	13.99	14.02	13.83	13.94		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3532.5	3607	3643	3697.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	18.93	19.11	18.96	19.07		
5	QPSK	1	12	18.98	18.94	18.93	18.96		
5	QPSK	1	24	18.97	19.06	18.96	19.03		
5	QPSK	12	0	18.03	18.12	17.93	18.04		
5	QPSK	12	7	17.95	17.98	17.91	17.88	19	1
5	QPSK	12	13	17.95	18.01	17.76	17.94		
5	QPSK	25	0	17.92	18.12	17.82	17.95		
5	16QAM	1	0	17.91	18.00	17.92	18.06		
5	16QAM	1	12	17.86	17.92	17.81	18.02	19	1
5	16QAM	1	24	17.87	18.02	17.81	18.00		
5	16QAM	12	0	16.96	17.06	17.04	16.97		
5	16QAM	12	7	16.99	16.98	16.96	16.83		
5	16QAM	12	13	16.91	17.10	16.85	17.03	18	2
5	16QAM	25	0	16.90	17.05	16.81	16.96		
5	64QAM	1	0	16.95	17.04	16.92	17.11		
5	64QAM	1	12	17.01	16.96	16.84	16.86		
5	64QAM	1	24	16.98	17.03	16.92	17.04	18	2
5	64QAM	12	0	15.98	16.03	15.94	15.98		
5	64QAM	12	7	16.00	15.94	15.97	15.84		
5	64QAM	12	13	15.87	16.08	15.81	15.99		
5	64QAM	25	0	16.00	16.16	15.85	15.97	17	3
5	256QAM	1	0	13.93	13.94	13.98	14.15		
5	256QAM	1	12	14.05	13.98	13.95	13.94		
5	256QAM	1	24	13.99	13.94	13.85	14.03		
5	256QAM	12	0	14.01	14.07	13.94	14.03	15	5
5	256QAM	12	7	13.97	14.05	13.94	13.84		
5	256QAM	12	13	14.00	13.98	13.86	13.99		
5	256QAM	25	0	14.03	14.09	13.83	14.02		

Band 38 Ant 3 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	23.43	23.52	23.48	24.5	0	
20	QPSK	1	49	23.38	23.45	23.38			
20	QPSK	1	99	23.40	23.40	23.37			
20	QPSK	50	0	22.37	22.57	22.43	23.5	1	
20	QPSK	50	24	22.34	22.49	22.37			
20	QPSK	50	50	22.41	22.42	22.33			
20	QPSK	100	0	22.46	22.52	22.50	23.5	1	
20	16QAM	1	0	22.44	22.54	22.47			
20	16QAM	1	49	22.38	22.51	22.36			
20	16QAM	1	99	22.39	22.39	22.34	22.5	2	
20	16QAM	50	0	21.36	21.56	21.37			
20	16QAM	50	24	21.36	21.54	21.35			
20	16QAM	50	50	21.42	21.43	21.29	22.5	2	
20	16QAM	100	0	21.40	21.53	21.47			
20	64QAM	1	0	21.50	21.56	21.43			
20	64QAM	1	49	21.43	21.52	21.36	22.5	2	
20	64QAM	1	99	21.33	21.41	21.31			
20	64QAM	50	0	20.39	20.58	20.44			
20	64QAM	50	24	20.35	20.54	20.32	21.5	3	
20	64QAM	50	50	20.41	20.47	20.31			
20	64QAM	100	0	20.48	20.58	20.45			
20	256QAM	1	0	18.32	18.52	18.37	19.5	5	
20	256QAM	1	49	18.40	18.48	18.40			
20	256QAM	1	99	18.44	18.37	18.35			
20	256QAM	50	0	18.46	18.48	18.46	19.5	5	
20	256QAM	50	24	18.45	18.58	18.42			
20	256QAM	50	50	18.43	18.54	18.34			
20	256QAM	100	0	18.38	18.42	18.29	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	23.29	23.45	23.45	24.5	0	
15	QPSK	1	37	23.31	23.38	23.27			
15	QPSK	1	74	23.36	23.27	23.34			
15	QPSK	36	0	22.25	22.47	22.32	23.5	1	
15	QPSK	36	20	22.31	22.41	22.29			
15	QPSK	36	39	22.27	22.36	22.22			
15	QPSK	75	0	22.42	22.47	22.40	23.5	1	
15	16QAM	1	0	22.33	22.40	22.39			
15	16QAM	1	37	22.31	22.38	22.25			
15	16QAM	1	74	22.27	22.31	22.25	22.5	2	
15	16QAM	36	0	21.27	21.45	21.27			
15	16QAM	36	20	21.28	21.45	21.28			
15	16QAM	36	39	21.29	21.37	21.24	22.5	2	
15	16QAM	75	0	21.32	21.43	21.45			
15	64QAM	1	0	21.41	21.49	21.30			
15	64QAM	1	37	21.35	21.39	21.32	22.5	2	
15	64QAM	1	74	21.25	21.29	21.26			
15	64QAM	36	0	20.32	20.51	20.32			
15	64QAM	36	20	20.32	20.48	20.23	21.5	3	
15	64QAM	36	39	20.37	20.36	20.20			
15	64QAM	75	0	20.40	20.51	20.37			
15	256QAM	1	0	18.20	18.41	18.33	19.5	5	
15	256QAM	1	37	18.30	18.38	18.34			
15	256QAM	1	74	18.32	18.28	18.30			
15	256QAM	36	0	18.39	18.41	18.43	19.5	5	
15	256QAM	36	20	18.35	18.50	18.32			
15	256QAM	36	39	18.39	18.44	18.23			
15	256QAM	75	0	18.27	18.35	18.25	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	23.34	23.39	23.43	24.5	0	
10	QPSK	1	25	23.27	23.39	23.32			
10	QPSK	1	49	23.38	23.33	23.25			
10	QPSK	25	0	22.24	22.46	22.36	23.5	1	
10	QPSK	25	12	22.24	22.37	22.31			
10	QPSK	25	25	22.37	22.37	22.20			
10	QPSK	50	0	22.39	22.46	22.43	23.5	1	
10	16QAM	1	0	22.33	22.48	22.35			
10	16QAM	1	25	22.27	22.45	22.22			
10	16QAM	1	49	22.35	22.31	22.27	22.5	2	
10	16QAM	25	0	21.32	21.53	21.31			
10	16QAM	25	12	21.32	21.50	21.27			
10	16QAM	25	25	21.28	21.40	21.17	22.5	2	
10	16QAM	50	0	21.30	21.42	21.40			
10	64QAM	1	0	21.43	21.53	21.34			
10	64QAM	1	25	21.34	21.44	21.27	22.5	2	
10	64QAM	1	49	21.19	21.35	21.29			
10	64QAM	25	0	20.34	20.52	20.41			
10	64QAM	25	12	20.27	20.50	20.19	21.5	3	
10	64QAM	25	25	20.38	20.36	20.25			
10	64QAM	50	0	20.43	20.52	20.32			
10	256QAM	1	0	18.28	18.50	18.33	19.5	5	
10	256QAM	1	25	18.27	18.39	18.36			
10	256QAM	1	49	18.39	18.27	18.33			
10	256QAM	25	0	18.39	18.35	18.39	19.5	5	
10	256QAM	25	12	18.34	18.50	18.31			
10	256QAM	25	25	18.34	18.47	18.23			
10	256QAM	50	0	18.34	18.32	18.26	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	23.38	23.39	23.37	24.5	0	
5	QPSK	1	12	23.28	23.36	23.29			
5	QPSK	1	24	23.30	23.26	23.27			
5	QPSK	12	0	22.23	22.51	22.34	23.5	1	
5	QPSK	12	7	22.29	22.36	22.35			
5	QPSK	12	13	22.31	22.30	22.27			
5	QPSK	25	0	22.43	22.48	22.46	23.5	1	
5	16QAM	1	0	22.41	22.46	22.40			
5	16QAM	1	12	22.29	22.41	22.31			
5	16QAM	1	24	22.26	22.28	22.22	22.5	2	
5	16QAM	12	0	21.25	21.43	21.29			
5	16QAM	12	7	21.28	21.41	21.24			
5	16QAM	12	13	21.34	21.32	21.22	22.5	2	
5	16QAM	25	0	21.31	21.43	21.34			
5	64QAM	1	0	21.42	21.47	21.32			
5	64QAM	1	12	21.36	21.42	21.27	22.5	2	
5	64QAM	1	24	21.21	21.33	21.22			
5	64QAM	12	0	20.35	20.54	20.37			
5	64QAM	12	7	20.31	20.50	20.25	21.5	3	
5	64QAM	12	13	20.33	20.44	20.22			
5	64QAM	25	0	20.43	20.47	20.37			
5	256QAM	1	0	18.23	18.38	18.26	19.5	5	
5	256QAM	1	12	18.33	18.34	18.33			
5	256QAM	1	24	18.30	18.25	18.24			
5	256QAM	12	0	18.44	18.38	18.33	19.5	5	
5	256QAM	12	7	18.38	18.55	18.30			
5	256QAM	12	13	18.39	18.42	18.21			
5	256QAM	25	0	18.24	18.31	18.18			

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2649.5	2693	2636.5	2680		
20	QPSK	1	0	22.98	23.00	23.10	23.08	23.04	24	0
20	QPSK	1	49	22.85	22.96	22.96	22.95	22.94		
20	QPSK	1	99	22.89	22.88	23.00	22.98	22.92		
20	QPSK	50	0	22.49	22.47	22.63	22.61	22.59		
20	QPSK	50	24	22.37	22.48	22.47	22.50	22.41	23.5	0.5
20	QPSK	50	50	22.42	22.32	22.45	22.45	22.51		
20	QPSK	100	0	22.45	22.54	22.60	22.61	22.59		
20	16QAM	1	0	22.53	22.53	22.58	22.61	22.59		
20	16QAM	1	49	22.32	22.46	22.40	22.49	22.44	23.5	0.5
20	16QAM	1	99	22.42	22.41	22.50	22.45	22.48		
20	16QAM	50	0	21.46	21.45	21.57	21.58	21.58		
20	16QAM	50	24	21.38	21.46	21.43	21.45	21.40		
20	16QAM	50	50	21.43	21.30	21.51	21.45	21.54	22.5	1.5
20	16QAM	100	0	21.44	21.53	21.56	21.60	21.58		
20	64QAM	1	0	21.55	21.49	21.63	21.58	21.60		
20	64QAM	1	49	21.26	21.50	21.40	21.55	21.49		
20	64QAM	1	99	21.43	21.37	21.47	21.40	21.44	22.5	1.5
20	64QAM	50	0	20.50	20.42	20.58	20.59	20.51		
20	64QAM	50	24	20.37	20.48	20.42	20.52	20.38		
20	64QAM	50	50	20.42	20.27	20.43	20.50	20.53		
20	64QAM	100	0	20.43	20.54	20.63	20.57	20.53	21.5	2.5
20	256QAM	1	0	18.47	18.53	18.57	18.62	18.54		
20	256QAM	1	49	18.38	18.47	18.45	18.52	18.37		
20	256QAM	1	99	18.36	18.36	18.40	18.47	18.56		
20	256QAM	50	0	18.51	18.54	18.56	18.59	18.60	19.5	4.5
20	256QAM	50	24	18.58	18.52	18.56	18.55	18.62		
20	256QAM	50	50	18.28	18.41	18.37	18.44	18.48		
20	256QAM	100	0	18.48	18.43	18.54	18.49	18.52		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2648.3	2593	2637.8	2682.5		
15	QPSK	1	0	22.92	22.97	23.05	22.94	22.94	24.00	0
15	QPSK	1	37	22.76	22.90	22.86	22.85	22.91		
15	QPSK	1	74	22.82	22.79	22.89	22.88	22.96		
15	QPSK	36	0	22.38	22.42	22.57	22.48	22.48		
15	QPSK	36	20	22.29	22.28	22.35	22.42	22.37	23.5	0.5
15	QPSK	36	39	22.30	22.42	22.42	22.42	22.49		
15	QPSK	75	0	22.38	22.41	22.53	22.53	22.51		
15	16QAM	1	0	22.44	22.50	22.55	22.51	22.49		
15	16QAM	1	37	22.18	22.39	22.27	22.43	22.34	23.5	0.5
15	16QAM	1	74	22.32	22.29	22.38	22.40	22.43		
15	16QAM	36	0	21.36	21.34	21.43	21.55	21.45		
15	16QAM	36	20	21.30	21.42	21.37	21.36	21.29		
15	16QAM	36	39	21.32	21.16	21.46	21.31	21.49	22.5	1.5
15	16QAM	75	0	21.30	21.42	21.50	21.46	21.46		
15	64QAM	1	0	21.45	21.46	21.58	21.55	21.48		
15	64QAM	1	37	21.15	21.39	21.30	21.50	21.43		
15	64QAM	1	74	21.34	21.35	21.39	21.38	21.42	22.5	1.5
15	64QAM	36	0	20.44	20.33	20.45	20.50	20.48		
15	64QAM	36	20	20.32	20.36	20.34	20.40	20.27		
15	64QAM	36	39	20.36	20.14	20.38	20.41	20.48		
15	64QAM	75	0	20.38	20.49	20.50	20.44	20.41	21.5	2.5
15	256QAM	1	0	18.34	18.40	18.46	18.56	18.43		
15	256QAM	1	37	18.31	18.34	18.32	18.44	18.25		
15	256QAM	1	74	18.25	18.30	18.33	18.35	18.43		
15	256QAM	36	0	18.44	18.44	18.47	18.58	18.52	19.5	4.5
15	256QAM	36	20	18.47	18.43	18.49	18.48	18.51		
15	256QAM	36	39	18.16	18.29	18.34	18.37	18.42		
15	256QAM	75	0	18.37	18.30	18.52	18.44	18.49		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	22.85	22.92	23.02	23.00	22.94	24.00	0
10	QPSK	1	25	22.77	22.85	22.83	22.91	22.90		
10	QPSK	1	49	22.80	22.78	22.91	22.91	22.91		
10	QPSK	25	0	22.41	22.36	22.57	22.58	22.43		
10	QPSK	25	12	22.30	22.39	22.33	22.44	22.37	23.5	0.5
10	QPSK	25	25	22.28	22.25	22.89	22.38	22.42		
10	QPSK	50	0	22.32	22.48	22.49	22.47	22.54		
10	16QAM	1	0	22.40	22.48	22.47	22.59	22.46		
10	16QAM	1	25	22.25	22.43	22.37	22.36	22.35	23.5	0.5
10	16QAM	1	49	22.34	22.37	22.48	22.34	22.36		
10	16QAM	25	0	21.34	21.42	21.50	21.51	21.51		
10	16QAM	25	12	21.32	21.38	21.41	21.36	21.38		
10	16QAM	25	25	21.30	21.22	21.46	21.34	21.42	22.5	1.5
10	16QAM	50	0	21.32	21.44	21.43	21.48	21.46		
10	64QAM	1	0	21.44	21.35	21.54	21.53	21.53		
10	64QAM	1	25	21.15	21.43	21.29	21.42	21.41		
10	64QAM	1	49	21.35	21.33	21.39	21.29	21.34	22.5	1.5
10	64QAM	25	0	20.41	20.34	20.51	20.51	20.38		
10	64QAM	25	12	20.34	20.35	20.33	20.49	20.31		
10	64QAM	25	25	20.36	20.23	20.30	20.37	20.40		
10	64QAM	50	0	20.39	20.48	20.57	20.53	20.49	21.5	2.5
10	256QAM	1	0	18.37	18.39	18.55	18.54	18.49		
10	256QAM	1	25	18.24	18.40	18.42	18.38	18.30		
10	256QAM	1	49	18.23	18.31	18.36	18.36	18.44		
10	256QAM	25	0	18.47	18.44	18.46	18.55	18.47	19.5	4.5
10	256QAM	25	12	18.46	18.41	18.45	18.47	18.55		
10	256QAM	25	25	18.16	18.32	18.32	18.36	18.44		
10	256QAM	50	0	18.40	18.30	18.41	18.44	18.39		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	22.87	22.93	23.02	22.96	23.00	24.00	0
5	QPSK	1	12	22.81	22.86	22.93	22.88	22.82		
5	QPSK	1	24	22.81	22.86	22.97	22.85	22.94		
5	QPSK	12	0	22.39	22.39	22.49	22.51	22.39		
5	QPSK	12	7	22.27	22.39	22.43	22.40	22.32	23.5	0.5
5	QPSK	12	13	22.35	22.19	22.33	22.36	22.46		
5	QPSK	25	0	22.41	22.40	22.53	22.49	22.57		
5	16QAM	1	0	22.47	22.51	22.47	22.54	22.54		
5	16QAM	1	12	22.29	22.34	22.34	22.42	22.34	23.5	0.5
5	16QAM	1	24	22.39	22.34	22.44	22.35	22.44		
5	16QAM	12	0	21.41	21.40	21.47	21.53	21.48		
5	16QAM	12	7	21.27	21.34	21.40	21.36	21.37		
5	16QAM	12	13	21.35	21.21	21.41	21.41	21.42	22.5	1.5
5	16QAM	25	0	21.34	21.42	21.48	21.52	21.48		
5	64QAM	1	0	21.49	21.45	21.56	21.54	21.57		
5	64QAM	1	12	21.15	21.44	21.35	21.41	21.43		
5	64QAM	1	24	21.33	21.30	21.33	21.27	21.35	22.5	1.5
5	64QAM	12	0	20.40	20.34	20.45	20.50	20.43		
5	64QAM	12	7	20.29	20.34	20.32	20.49	20.28		
5	64QAM	12	13	20.30	20.24	20.30	20.38	20.40		
5	64QAM	25	0	20.40	20.50	20.51	20.51	20.39	21.5	2.5
5	256QAM	1	0	18.33	18.42	18.45	18.47	18.49		
5	256QAM	1	12	18.31	18.41	18.39	18.40	18.24		
5	256QAM	1	24	18.28	18.24	18.30	18.42	18.49		
5	256QAM	12	0	18.39	18.49	18.47	18.49	18.53	19.5	4.5
5	256QAM	12	7	18.46	18.43	18.48	18.52	18.56		
5	256QAM	12	13	18.24	18.36	18.26	18.39	18.42		
5	256QAM	25	0	18.42	18.37	18.48	18.45	18.47		

Band 42 Part 27Q Ant 3 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990	21.5	0	
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	20.46	20.47	20.22			
20	QPSK	1	49	20.42	20.41	20.19			
20	QPSK	1	99	20.42	20.46	20.19	20.5	1	
20	QPSK	50	0	19.47	19.47	19.21			
20	QPSK	50	24	19.44	19.42	19.23			
20	QPSK	50	50	19.46	19.42	19.20			
20	QPSK	100	0	19.37	19.41	19.16	20.5	1	
20	16QAM	1	0	19.41	19.41	19.19			
20	16QAM	1	49	19.46	19.47	19.19			
20	16QAM	1	99	19.46	19.50	19.23			
20	16QAM	50	0	18.51	18.45	18.26	19.5	2	
20	16QAM	50	24	18.41	18.43	18.25			
20	16QAM	50	50	18.46	18.44	18.24			
20	16QAM	100	0	18.38	18.36	18.19			
20	64QAM	1	0	18.38	18.43	18.08	19.5	2	
20	64QAM	1	49	18.32	18.35	18.13			
20	64QAM	1	99	18.37	18.35	18.08			
20	64QAM	50	0	17.35	17.41	17.16			
20	64QAM	50	24	17.29	17.30	17.12	18.5	3	
20	64QAM	50	50	17.35	17.34	17.16			
20	64QAM	100	0	17.22	17.36	17.03			
20	256QAM	1	0	15.40	15.43	15.27			
20	256QAM	1	49	15.37	15.42	15.24	16.5	5	
20	256QAM	1	99	15.39	15.42	15.23			
20	256QAM	50	0	15.37	15.39	15.05			
20	256QAM	50	24	15.37	15.33	15.16			
20	256QAM	50	50	15.40	15.30	15.16	16.5	5	
20	256QAM	100	0	15.27	15.32	15.08			
Channel				42165	42590	43015	21.5	0	
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	20.46	20.46	20.18			
15	QPSK	1	37	20.39	20.39	20.11			
15	QPSK	1	74	20.32	20.39	20.14	20.5	1	
15	QPSK	36	0	19.46	19.45	19.20			
15	QPSK	36	20	19.39	19.32	19.12			
15	QPSK	36	39	19.41	19.34	19.09			
15	QPSK	75	0	19.28	19.40	19.06	20.5	1	
15	16QAM	1	0	19.41	19.40	19.14			
15	16QAM	1	37	19.42	19.39	19.17			
15	16QAM	1	74	19.36	19.47	19.19			
15	16QAM	36	0	18.41	18.41	18.25	19.5	2	
15	16QAM	36	20	18.29	18.39	18.19			
15	16QAM	36	39	18.37	18.34	18.21			
15	16QAM	75	0	18.27	18.32	18.14			
15	64QAM	1	0	18.28	18.36	18.01	19.5	2	
15	64QAM	1	37	18.30	18.30	18.02			
15	64QAM	1	74	18.36	18.28	18.07			
15	64QAM	36	0	17.26	17.32	17.08			
15	64QAM	36	20	17.25	17.27	17.04	18.5	3	
15	64QAM	36	39	17.27	17.31	17.05			
15	64QAM	75	0	17.13	17.26	17.00			
15	256QAM	1	0	15.31	15.37	15.24			
15	256QAM	1	37	15.27	15.37	15.18	16.5	5	
15	256QAM	1	74	15.32	15.34	15.12			
15	256QAM	36	0	15.33	15.37	14.98			
15	256QAM	36	20	15.33	15.22	15.07			
15	256QAM	36	39	15.40	15.27	15.07	16.5	5	
15	256QAM	75	0	15.24	15.23	15.00			
Channel				42140	42590	43040	21.5	0	
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	20.38	20.42	20.16			
10	QPSK	1	25	20.31	20.31	20.15			
10	QPSK	1	49	20.33	20.43	20.12	20.5	1	
10	QPSK	25	0	19.41	19.38	19.18			
10	QPSK	25	12	19.41	19.37	19.21			
10	QPSK	25	25	19.36	19.41	19.11			
10	QPSK	50	0	19.27	19.39	19.06	20.5	1	
10	16QAM	1	0	19.40	19.33	19.17			
10	16QAM	1	25	19.39	19.36	19.14			
10	16QAM	1	49	19.35	19.48	19.16			
10	16QAM	25	0	18.41	18.39	18.17	19.5	2	
10	16QAM	25	12	18.40	18.40	18.18			
10	16QAM	25	25	18.44	18.38	18.15			
10	16QAM	50	0	18.29	18.36	18.12			
10	64QAM	1	0	18.28	18.35	18.00	19.5	2	
10	64QAM	1	25	18.29	18.29	18.02			
10	64QAM	1	49	18.29	18.28	18.02			
10	64QAM	25	0	17.35	17.37	17.07			
10	64QAM	25	12	17.17	17.25	17.04	18.5	3	
10	64QAM	25	25	17.27	17.30	17.14			
10	64QAM	50	0	17.13	17.24	16.96			
10	256QAM	1	0	15.37	15.40	15.15			
10	256QAM	1	25	15.27	15.32	15.18	16.5	5	
10	256QAM	1	49	15.32	15.34	15.19			
10	256QAM	25	0	15.33	15.29	14.99			
10	256QAM	25	12	15.36	15.21	15.13			
10	256QAM	25	25	15.32	15.24	15.09	16.5	5	
10	256QAM	50	0	15.25	15.26	15.00			
Channel				42115	42590	43065	21.5	0	
Frequency (MHz)				3452	3500	3547.5			
5	QPSK	1	0	20.42	20.43	20.22			
5	QPSK	1	12	20.38	20.33	20.11			
5	QPSK	1	24	20.39	20.34	20.09	20.5	1	
5	QPSK	12	0	19.43	19.37	19.17			
5	QPSK	12	7	19.41	19.38	19.13			
5	QPSK	12	13	19.40	19.35	19.10			
5	QPSK	25	0	19.29	19.32	19.09	20.5	1	
5	16QAM	1	0	19.37	19.34	19.08			
5	16QAM	1	12	19.42	19.44	19.19			
5	16QAM	1	24	19.42	19.40	19.13			
5	16QAM	12	0	18.47	18.40	18.23	19.5	2	
5	16QAM	12	7	18.30	18.42	18.22			
5	16QAM	12	13	18.37	18.43	18.12			
5	16QAM	25	0	18.31	18.30	18.08			
5	64QAM	1	0	18.36	18.41	18.02	19.5	2	
5	64QAM	1	12	18.23	18.27	18.06			
5	64QAM	1	24	18.30	18.25	18.04			
5	64QAM	12	0	17.26	17.41	17.10			
5	64QAM	12	7	17.23	17.19	17.01	18.5	3	
5	64QAM	12	13	17.33	17.24	17.09			
5	64QAM	25	0	17.16	17.24	16.95			
5	256QAM	1	0	15.32	15.33	15.16			
5	256QAM	1	12	15.26	15.38	15.22	16.5	5	
5	256QAM	1	24	15.37	15.34	15.17			
5	256QAM	12	0	15.37	15.27	15.02			
5	256QAM	12	7	15.25	15.29	15.16			
5	256QAM	12	13	15.33	15.29	15.12	16.5	5	
5	256QAM	25	0	15.22	15.24	15.06			

Band 48 Ant 3 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640	21.5	0
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	20.44	20.46	20.39	20.38	21.5	0
20	QPSK	1	49	20.33	20.45	20.29	20.36		
20	QPSK	1	99	20.36	20.45	20.32	20.32		
20	QPSK	50	0	19.40	19.47	19.41	19.38		
20	QPSK	50	24	19.48	19.48	19.33	19.34	20.5	1
20	QPSK	50	50	19.37	19.42	19.36	19.34		
20	QPSK	100	0	19.32	19.47	19.37	19.32	20.5	1
20	16QAM	1	0	19.41	19.48	19.37	19.35		
20	16QAM	1	49	19.35	19.43	19.30	19.30		
20	16QAM	1	99	19.37	19.51	19.28	19.36		
20	16QAM	50	0	18.42	18.50	18.40	18.33	19.5	2
20	16QAM	50	24	18.50	18.47	18.32	18.31		
20	16QAM	50	50	18.35	18.40	18.38	18.34		
20	16QAM	100	0	18.37	18.49	18.32	18.34		
20	64QAM	1	0	18.50	18.40	18.38	18.32	19.5	2
20	64QAM	1	49	18.38	18.46	18.25	18.30		
20	64QAM	1	99	18.32	18.42	18.34	18.37	18.5	3
20	64QAM	50	0	17.37	17.49	17.41	17.33		
20	64QAM	50	24	17.44	17.48	17.39	17.33		
20	64QAM	50	50	17.35	17.40	17.35	17.29		
20	64QAM	100	0	17.32	17.41	17.31	17.34	16.5	5
20	256QAM	1	0	15.40	15.44	15.34	15.35		
20	256QAM	1	49	15.31	15.46	15.32	15.32		
20	256QAM	1	99	15.41	15.51	15.29	15.31		
20	256QAM	50	0	15.40	15.43	15.37	15.40	16.5	5
20	256QAM	50	24	15.51	15.50	15.39	15.38		
20	256QAM	50	50	15.37	15.41	15.41	15.36		
20	256QAM	100	0	15.30	15.46	15.34	15.32		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5	21.5	0
15	QPSK	1	0	20.41	20.43	20.37	20.33		
15	QPSK	1	37	20.23	20.34	20.28	20.35	20.5	1
15	QPSK	1	74	20.32	20.33	20.28	20.31		
15	QPSK	36	0	19.39	19.41	19.35	19.29		
15	QPSK	36	36	19.40	19.47	19.25	19.33		
15	QPSK	36	39	19.29	19.38	19.32	19.33	20.5	1
15	QPSK	75	0	19.21	19.38	19.34	19.31		
15	16QAM	1	0	19.37	19.48	19.32	19.35		
15	16QAM	1	37	19.26	19.38	19.23	19.24		
15	16QAM	1	74	19.35	19.39	19.25	19.27	19.5	2
15	16QAM	36	0	18.40	18.41	18.36	18.25		
15	16QAM	36	20	18.45	18.44	18.28	18.20		
15	16QAM	36	39	18.34	18.30	18.34	18.33		
15	16QAM	75	0	18.29	18.39	18.21	18.24	19.5	2
15	64QAM	1	0	18.42	18.34	18.28	18.24		
15	64QAM	1	37	18.32	18.37	18.23	18.28		
15	64QAM	1	74	18.29	18.37	18.30	18.34		
15	64QAM	36	0	17.36	17.49	17.31	17.33	18.5	3
15	64QAM	36	20	17.36	17.46	17.35	17.25		
15	64QAM	36	39	17.27	17.37	17.28	17.19		
15	64QAM	75	0	17.30	17.38	17.22	17.33		
15	256QAM	1	0	15.32	15.36	15.30	15.30	16.5	5
15	256QAM	1	37	15.30	15.45	15.24	15.24		
15	256QAM	1	74	15.31	15.47	15.20	15.23		
15	256QAM	36	0	15.33	15.38	15.32	15.33		
15	256QAM	36	20	15.47	15.42	15.36	15.30	16.5	5
15	256QAM	36	39	15.25	15.33	15.31	15.33		
15	256QAM	75	0	15.25	15.41	15.26	15.26		
Channel				55290	55815	56165	56680		
Frequency (MHz)				3555	3607.5	3642.5	3695	21.5	0
10	QPSK	1	0	20.43	20.45	20.34	20.31		
10	QPSK	1	25	20.28	20.39	20.24	20.33	20.5	1
10	QPSK	1	49	20.29	20.37	20.22	20.31		
10	QPSK	25	0	19.35	19.42	19.35	19.30		
10	QPSK	25	12	19.48	19.41	19.25	19.34		
10	QPSK	25	25	19.25	19.38	19.24	19.31	20.5	1
10	QPSK	50	0	19.25	19.39	19.35	19.26		
10	16QAM	1	0	19.41	19.40	19.35	19.27		
10	16QAM	1	25	19.30	19.35	19.23	19.19		
10	16QAM	1	49	19.30	19.44	19.22	19.36	19.5	2
10	16QAM	25	0	18.34	18.41	18.31	18.26		
10	16QAM	25	12	18.50	18.36	18.29	18.24		
10	16QAM	25	25	18.35	18.37	18.21	18.29		
10	16QAM	50	0	18.35	18.46	18.28	18.29	19.5	2
10	64QAM	1	0	18.50	18.29	18.26	18.24		
10	64QAM	1	25	18.29	18.37	18.13	18.27		
10	64QAM	1	49	18.24	18.37	18.28	18.27		
10	64QAM	25	0	17.31	17.43	17.31	17.25	18.5	3
10	64QAM	25	12	17.33	17.44	17.35	17.25		
10	64QAM	25	25	17.35	17.38	17.30	17.24		
10	64QAM	50	0	17.28	17.31	17.29	17.32		
10	256QAM	1	0	15.37	15.42	15.33	15.27	16.5	5
10	256QAM	1	25	15.20	15.39	15.28	15.31		
10	256QAM	1	49	15.31	15.48	15.23	15.28		
10	256QAM	25	0	15.28	15.35	15.27	15.30		
10	256QAM	25	12	15.49	15.39	15.33	15.27	16.5	5
10	256QAM	25	25	15.28	15.33	15.38	15.28		
10	256QAM	50	0	15.25	15.43	15.28	15.23		
Channel				55265	55810	56170	56175		
Frequency (MHz)				3552.5	3607	3643	3697.5	21.5	0
5	QPSK	1	0	20.42	20.43	20.38	20.32		
5	QPSK	1	12	20.28	20.35	20.24	20.26	20.5	1
5	QPSK	1	24	20.33	20.40	20.30	20.30		
5	QPSK	12	0	19.38	19.44	19.38	19.35		
5	QPSK	12	7	19.39	19.45	19.25	19.26		
5	QPSK	12	13	19.33	19.34	19.25	19.29	20.5	1
5	QPSK	25	0	19.23	19.39	19.26	19.23		
5	16QAM	1	0	19.32	19.41	19.31	19.24		
5	16QAM	1	12	19.32	19.35	19.27	19.24		
5	16QAM	1	24	19.25	19.42	19.22	19.31	19.5	2
5	16QAM	12	0	18.38	18.48	18.37	18.25		
5	16QAM	12	7	18.41	18.39	18.26	18.25		
5	16QAM	12	13	18.28	18.37	18.37	18.33		
5	16QAM	25	0	18.26	18.42	18.24	18.29	19.5	2
5	64QAM	1	0	18.41	18.30	18.36	18.23		
5	64QAM	1	12	18.37	18.44	18.22	18.24		
5	64QAM	1	24	18.25	18.38	18.31	18.29		
5	64QAM	12	0	17.32	17.42	17.33	17.22	18.5	3
5	64QAM	12	7	17.39	17.38	17.32	17.21		
5	64QAM	12	13	17.32	17.29	17.31	17.24		
5	64QAM	25	0	17.31	17.40	17.24	17.24		
5	256QAM	1	0	15.39	15.42	15.26	15.24	16.5	5
5	256QAM	1	12	15.29	15.41	15.24	15.28		
5	256QAM	1	24	15.30	15.50	15.24	15.21		
5	256QAM	12	0	15.30	15.34	15.34	15.33		
5	256QAM	12	7	15.46	15.41	15.39	15.33	16.5	5
5	256QAM	12	13	15.33	15.31	15.30	15.35		
5	256QAM	25	0	15.28	15.38	15.32	15.24		

Band 38 Ant 4 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	19.12	19.19	19.07	20.5	0	
20	QPSK	1	49	19.08	19.17	19.03			
20	QPSK	1	99	18.98	19.05	18.98			
20	QPSK	50	0	19.09	19.13	18.96	20.5	0	
20	QPSK	50	24	18.98	19.17	18.99			
20	QPSK	50	50	19.09	19.06	18.94			
20	QPSK	100	0	18.99	19.08	19.01	20.5	0	
20	16QAM	1	0	19.06	19.06	18.96			
20	16QAM	1	49	19.03	19.06	18.92			
20	16QAM	1	99	18.86	19.00	18.91	20.5	0	
20	16QAM	50	0	19.05	19.08	18.90			
20	16QAM	50	24	18.92	19.14	18.97			
20	16QAM	50	50	18.99	18.92	18.84	20.5	0	
20	16QAM	100	0	18.94	18.98	18.90			
20	64QAM	1	0	19.07	19.07	18.99			
20	64QAM	1	49	19.03	19.07	19.00	20.5	0	
20	64QAM	1	99	18.85	18.97	18.87			
20	64QAM	50	0	19.00	19.06	18.85			
20	64QAM	50	24	18.91	19.13	18.89	20.5	0	
20	64QAM	50	50	18.97	18.95	18.88			
20	64QAM	100	0	18.94	18.97	18.92			
20	256QAM	1	0	18.08	18.18	18.11	19.5	1	
20	256QAM	1	49	18.13	18.20	18.03			
20	256QAM	1	99	18.03	18.01	17.94			
20	256QAM	50	0	18.05	18.14	17.90	19.5	1	
20	256QAM	50	24	17.93	18.13	17.97			
20	256QAM	50	50	18.15	18.08	17.88			
20	256QAM	100	0	18.05	18.09	17.98	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	19.01	19.09	18.98	20.5	0	
15	QPSK	1	37	18.98	19.07	18.92			
15	QPSK	1	74	18.88	18.92	18.91			
15	QPSK	36	0	19.00	19.01	18.85	20.5	0	
15	QPSK	36	20	18.94	19.13	18.90			
15	QPSK	36	39	18.95	18.95	18.90			
15	QPSK	75	0	18.96	19.01	18.93	20.5	0	
15	16QAM	1	0	18.96	18.96	18.93			
15	16QAM	1	37	18.99	18.96	18.80			
15	16QAM	1	74	18.76	18.87	18.79	20.5	0	
15	16QAM	36	0	18.97	19.02	18.84			
15	16QAM	36	20	18.87	19.05	18.89			
15	16QAM	36	39	18.91	18.83	18.76	20.5	0	
15	16QAM	75	0	18.83	18.94	18.86			
15	64QAM	1	0	18.96	18.95	18.92			
15	64QAM	1	37	18.95	19.04	18.93	20.5	0	
15	64QAM	1	74	18.83	18.88	18.78			
15	64QAM	36	0	18.95	19.02	18.77			
15	64QAM	36	20	18.87	19.09	18.82	20.5	0	
15	64QAM	36	39	18.93	18.87	18.77			
15	64QAM	75	0	18.90	18.86	18.78			
15	256QAM	1	0	18.02	18.12	18.08	19.5	1	
15	256QAM	1	37	18.05	18.13	18.00			
15	256QAM	1	74	17.94	17.91	17.84			
15	256QAM	36	0	17.91	18.06	17.83	19.5	1	
15	256QAM	36	20	17.85	18.09	17.94			
15	256QAM	36	39	18.05	18.04	17.82			
15	256QAM	75	0	17.96	18.04	17.91	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	19.06	19.05	19.01	20.5	0	
10	QPSK	1	25	18.95	19.08	18.98			
10	QPSK	1	49	18.90	19.00	18.90			
10	QPSK	25	0	18.98	19.05	18.89	20.5	0	
10	QPSK	25	12	18.90	19.08	18.93			
10	QPSK	25	25	19.02	19.00	18.92			
10	QPSK	50	0	18.89	18.95	18.87	20.5	0	
10	16QAM	1	0	19.03	19.00	18.86			
10	16QAM	1	25	18.95	18.95	18.80			
10	16QAM	1	49	18.72	18.86	18.86	20.5	0	
10	16QAM	25	0	18.96	19.02	18.79			
10	16QAM	25	12	18.80	19.10	18.89			
10	16QAM	25	25	18.88	18.83	18.79	20.5	0	
10	16QAM	50	0	18.85	18.85	18.82			
10	64QAM	1	0	19.02	18.96	18.93			
10	64QAM	1	25	18.95	18.98	18.88	20.5	0	
10	64QAM	1	49	18.72	18.87	18.73			
10	64QAM	25	0	18.87	18.94	18.75			
10	64QAM	25	12	18.85	19.08	18.75	20.5	0	
10	64QAM	25	25	18.87	18.86	18.78			
10	64QAM	50	0	18.91	18.86	18.80			
10	256QAM	1	0	17.97	18.16	18.05	19.5	1	
10	256QAM	1	25	18.03	18.12	17.94			
10	256QAM	1	49	17.93	17.88	17.86			
10	256QAM	25	0	17.99	18.12	17.78	19.5	1	
10	256QAM	25	12	17.81	18.05	17.90			
10	256QAM	25	25	18.10	17.99	17.85			
10	256QAM	50	0	17.95	18.01	17.93	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	19.09	19.10	19.05	20.5	0	
5	QPSK	1	12	18.98	19.13	18.89			
5	QPSK	1	24	18.96	19.00	18.93			
5	QPSK	12	0	18.98	19.09	18.92	20.5	0	
5	QPSK	12	7	18.96	19.13	18.93			
5	QPSK	12	13	19.07	19.00	18.91			
5	QPSK	25	0	18.95	18.94	18.88	20.5	0	
5	16QAM	1	0	18.95	19.00	18.91			
5	16QAM	1	12	18.98	18.93	18.87			
5	16QAM	1	24	18.83	18.96	18.78	20.5	0	
5	16QAM	12	0	18.97	19.03	18.76			
5	16QAM	12	7	18.88	19.05	18.85			
5	16QAM	12	13	18.86	18.88	18.79	20.5	0	
5	16QAM	25	0	18.87	18.89	18.78			
5	64QAM	1	0	18.99	18.97	18.96			
5	64QAM	1	12	18.91	19.05	18.88	20.5	0	
5	64QAM	1	24	18.79	18.84	18.82			
5	64QAM	12	0	18.94	19.02	18.81			
5	64QAM	12	7	18.82	19.07	18.85	20.5	0	
5	64QAM	12	13	18.88	18.92	18.78			
5	64QAM	25	0	18.84	18.87	18.89			
5	256QAM	1	0	17.96	18.11	17.98	19.5	1	
5	256QAM	1	12	18.08	18.16	17.90			
5	256QAM	1	24	18.00	17.94	17.88			
5	256QAM	12	0	17.97	18.11	17.77	19.5	1	
5	256QAM	12	7	17.80	18.09	17.90			
5	256QAM	12	13	18.02	18.02	17.75			
5	256QAM	25	0	18.02	18.04	17.92	Tune-up limit (dBm)	MPR (dB)	
Channel				37750	38000	38150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2570	2595	2615			

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	19.18	19.14	19.24	19.12	19.17	20.5	0
20	QPSK	1	49	19.12	19.18	19.20	19.05	19.12		
20	QPSK	1	99	19.00	19.03	19.09	19.02	19.05		
20	QPSK	50	0	19.11	19.18	19.13	19.02	19.08	20.5	0
20	QPSK	50	24	19.10	19.05	19.19	18.99	19.10		
20	QPSK	50	50	19.02	19.16	19.10	18.95	19.07		
20	QPSK	100	0	19.06	19.05	19.17	19.04	19.15	20.5	0
20	16QAM	1	0	19.00	19.11	19.06	19.07	19.03		
20	16QAM	1	49	19.09	19.11	19.10	18.99	19.09		
20	16QAM	1	99	19.00	18.86	19.04	18.90	19.02	20.5	0
20	16QAM	50	0	19.17	19.09	19.17	18.90	19.13		
20	16QAM	50	24	19.18	19.00	19.21	19.08	19.15		
20	16QAM	50	50	18.92	19.03	18.94	18.87	18.91	20.5	0
20	16QAM	100	0	19.05	19.04	19.08	18.95	19.04		
20	64QAM	1	0	19.03	19.08	19.12	19.06	19.06		
20	64QAM	1	49	19.00	19.04	19.07	18.94	18.99	20.5	0
20	64QAM	1	99	18.93	18.96	19.02	18.87	18.92		
20	64QAM	50	0	19.09	19.07	19.09	18.91	19.02		
20	64QAM	50	24	19.15	19.01	19.18	18.92	19.14	20.5	0
20	64QAM	50	50	18.93	19.07	19.03	18.92	18.93		
20	64QAM	100	0	18.91	19.02	19.00	18.92	19.00		
20	256QAM	1	0	18.29	18.17	18.28	18.17	18.24	19.5	1
20	256QAM	1	49	18.18	18.16	18.28	18.07	18.26		
20	256QAM	1	99	18.08	18.12	18.09	17.95	18.10		
20	256QAM	50	0	18.10	18.11	18.17	17.90	18.15	19.5	1
20	256QAM	50	24	18.13	17.97	18.15	17.98	18.07		
20	256QAM	50	50	18.08	18.23	18.12	17.96	18.09		
20	256QAM	100	0	18.05	18.09	18.11	18.06	18.00		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	19.09	19.09	19.20	19.11	19.11	20.50	0
15	QPSK	1	37	19.01	19.14	19.14	18.95	19.12		
15	QPSK	1	74	18.90	18.99	19.00	18.93	19.00		
15	QPSK	36	0	19.07	19.15	19.07	18.96	19.09	20.5	0
15	QPSK	36	20	19.04	19.01	19.17	18.94	19.00		
15	QPSK	36	39	18.94	19.15	19.00	18.87	18.98		
15	QPSK	75	0	18.97	19.04	19.13	18.98	19.10	20.5	0
15	16QAM	1	0	18.91	19.03	19.01	19.02	18.92		
15	16QAM	1	37	19.06	19.06	19.03	18.97	19.07		
15	16QAM	1	74	18.93	18.77	19.01	18.81	18.98	20.5	0
15	16QAM	36	0	19.13	19.07	19.18	18.80	19.05		
15	16QAM	36	20	19.11	18.96	19.14	19.00	19.14		
15	16QAM	36	39	18.83	18.94	18.85	18.87	18.81	20.5	0
15	16QAM	75	0	18.98	18.98	19.07	18.95	19.00		
15	64QAM	1	0	18.97	19.05	19.10	19.03	18.94		
15	64QAM	1	37	18.97	18.98	18.97	19.06	18.98	20.5	0
15	64QAM	1	74	18.90	18.94	18.98	18.77	18.91		
15	64QAM	36	0	19.06	19.05	19.07	18.84	19.00		
15	64QAM	36	20	19.06	18.96	19.14	18.85	19.14	20.5	0
15	64QAM	36	39	18.90	19.03	19.01	18.92	18.96		
15	64QAM	75	0	18.80	19.00	18.96	18.87	18.97		
15	256QAM	1	0	18.19	18.12	18.21	18.07	18.18	19.5	1
15	256QAM	1	37	18.18	18.08	18.18	17.99	18.24		
15	256QAM	1	74	17.98	18.05	18.00	17.85	18.02		
15	256QAM	36	0	18.93	18.99	19.11	17.82	18.13	19.5	1
15	256QAM	36	20	18.07	17.94	18.08	17.98	18.07		
15	256QAM	36	39	18.01	18.12	18.10	17.96	18.01		
15	256QAM	75	0	18.02	17.99	18.09	18.06	17.90		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	19.14	19.06	19.16	19.09	19.14	20.50	0
10	QPSK	1	25	19.06	19.10	19.11	19.03	19.13		
10	QPSK	1	49	18.94	19.02	19.03	19.00	18.97		
10	QPSK	25	0	19.07	19.09	19.09	19.01	19.01	20.5	0
10	QPSK	25	12	19.05	19.02	19.10	18.98	19.07		
10	QPSK	25	25	18.94	19.16	19.05	18.96	19.03		
10	QPSK	50	0	19.03	19.00	19.15	18.93	19.15	20.5	0
10	16QAM	1	0	18.96	19.03	19.00	19.06	18.96		
10	16QAM	1	25	19.06	19.10	19.10	18.90	19.01		
10	16QAM	1	49	18.92	18.77	19.01	18.89	18.91	20.5	0
10	16QAM	25	0	19.09	19.01	19.16	18.86	19.04		
10	16QAM	25	12	19.18	18.98	19.15	19.06	19.07		
10	16QAM	25	25	18.86	19.00	18.85	18.81	18.92	20.5	0
10	16QAM	50	0	19.04	19.04	19.04	18.90	18.95		
10	64QAM	1	0	19.01	19.08	19.03	19.07	19.04		
10	64QAM	1	25	18.93	18.94	19.06	19.03	18.90	20.5	0
10	64QAM	1	49	18.86	18.89	19.02	18.84	18.91		
10	64QAM	25	0	19.03	19.05	19.05	18.83	18.91		
10	64QAM	25	12	19.10	18.93	19.08	18.89	19.11	20.5	0
10	64QAM	25	25	18.88	19.04	19.02	18.92	18.83		
10	64QAM	50	0	18.89	18.99	18.92	18.86	18.91		
10	256QAM	1	0	18.29	18.07	18.18	18.14	18.23	19.5	1
10	256QAM	1	25	18.09	18.07	18.24	17.97	18.26		
10	256QAM	1	49	18.05	18.01	17.98	17.89	18.07		
10	256QAM	25	0	18.05	18.05	18.18	17.86	18.08	19.5	1
10	256QAM	25	12	18.11	17.95	18.16	17.91	18.02		
10	256QAM	25	25	18.06	18.23	18.01	17.95	18.02		
10	256QAM	50	0	17.96	18.01	18.08	18.06	17.90		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	19.14	19.09	19.15	19.13	19.07	20.50	0
5	QPSK	1	12	19.10	19.17	19.10	19.04	19.12		
5	QPSK	1	24	18.92	19.03	19.03	19.00	19.06		
5	QPSK	12	0	19.02	19.09	19.05	19.00	19.01	20.5	0
5	QPSK	12	7	19.08	19.01	19.16	18.92	19.06		
5	QPSK	12	13	18.91	19.10	19.11	18.84	19.03		
5	QPSK	25	0	19.03	18.96	19.17	19.00	19.11	20.5	0
5	16QAM	1	0	18.99	19.05	18.96	19.02	19.03		
5	16QAM	1	12	19.04	19.03	19.08	18.99	19.02		
5	16QAM	1	24	18.95	18.77	18.98	18.84	18.95	20.5	0
5	16QAM	12	0	19.15	19.00	19.08	18.89	19.11		
5	16QAM	12	7	19.17	18.92	19.19	19.05	19.08		
5	16QAM	12	13	18.87	18.96	18.91	18.87	18.89	20.5	0
5	16QAM	25	0	19.04	18.98	18.99	18.92	18.99		
5	64QAM	1	0	19.02	19.02	19.01	19.03	19.01		
5	64QAM	1	12	18.94	18.96	19.07	19.01	18.93	20.5	0
5	64QAM	1	24	18.85	18.92	19.02	18.84	18.86		
5	64QAM	12	0	19.08	19.03	19.04	18.81	18.93		
5	64QAM	12	7	19.11	18.96	19.09	18.91	19.10	20.5	0
5	64QAM	12	13	18.88	19.04	18.96	18.89	18.85		
5	64QAM	25	0	18.84	18.94	18.96	18.82	18.93		
5	256QAM	1	0	18.27	18.18	18.17	18.10	18.23	19.5	1
5	256QAM	1	12	18.13	18.14	18.20	18.05	18.19		
5	256QAM	1	24	17.98	18.02	18.00	17.87	18.09		
5	256QAM	12	0	18.04	18.06	18.07	17.85	18.15	19.5	1
5	256QAM	12	7	18.13	17.94	18.16	17.93	17.99		
5	256QAM	12	13	18.06	18.13	18.13	17.93	17.98		
5	256QAM	25	0	18.00	17.99	18.04	18.05	17.95		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	18.51	18.56	18.52	19.5	0	
20	QPSK	1	49	18.47	18.45	18.44			
20	QPSK	1	99	18.48	18.49	18.43			
20	QPSK	50	0	18.43	18.54	18.39	19.5	0	
20	QPSK	50	24	18.43	18.49	18.38			
20	QPSK	50	50	18.44	18.48	18.45			
20	QPSK	100	0	18.48	18.52	18.46	19.5	0	
20	16QAM	1	0	18.41	18.47	18.40			
20	16QAM	1	49	18.44	18.39	18.35			
20	16QAM	1	99	18.44	18.45	18.40	19.5	0	
20	16QAM	50	0	18.37	18.47	18.27			
20	16QAM	50	24	18.38	18.46	18.27			
20	16QAM	50	50	18.32	18.35	18.33	19.5	0	
20	16QAM	100	0	18.34	18.46	18.39			
20	64QAM	1	0	18.44	18.50	18.45	19.5	0	
20	64QAM	1	49	18.43	18.41	18.40			
20	64QAM	1	99	18.43	18.47	18.37			
20	64QAM	50	0	18.35	18.46	18.37	19.5	0	
20	64QAM	50	24	18.40	18.44	18.33			
20	64QAM	50	50	18.39	18.39	18.39			
20	64QAM	100	0	18.41	18.40	18.34	19.5	0	
20	256QAM	1	0	18.44	18.48	18.45			
20	256QAM	1	49	18.34	18.41	18.40			
20	256QAM	1	99	18.36	18.37	18.35	19.5	0	
20	256QAM	50	0	18.40	18.47	18.32			
20	256QAM	50	24	18.35	18.37	18.33			
20	256QAM	50	50	18.39	18.39	18.39	19.5	0	
20	256QAM	100	0	18.42	18.40	18.33			
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	18.46	18.49	18.39	19.5	0	
15	QPSK	1	37	18.36	18.41	18.36			
15	QPSK	1	74	18.41	18.40	18.30			
15	QPSK	36	0	18.32	18.43	18.35	19.5	0	
15	QPSK	36	20	18.39	18.44	18.30			
15	QPSK	36	39	18.37	18.36	18.32			
15	QPSK	75	0	18.34	18.48	18.36	19.5	0	
15	16QAM	1	0	18.32	18.42	18.29			
15	16QAM	1	37	18.35	18.33	18.24			
15	16QAM	1	74	18.38	18.35	18.31	19.5	0	
15	16QAM	36	0	18.30	18.42	18.25			
15	16QAM	36	20	18.36	18.42	18.16			
15	16QAM	36	39	18.18	18.22	18.30	19.5	0	
15	16QAM	75	0	18.29	18.39	18.31			
15	64QAM	1	0	18.35	18.48	18.40	19.5	0	
15	64QAM	1	37	18.33	18.30	18.28			
15	64QAM	1	74	18.30	18.39	18.28			
15	64QAM	36	0	18.33	18.40	18.31	19.5	0	
15	64QAM	36	20	18.29	18.38	18.21			
15	64QAM	36	39	18.33	18.27	18.31			
15	64QAM	75	0	18.35	18.28	18.24	19.5	0	
15	256QAM	1	0	18.41	18.40	18.36			
15	256QAM	1	37	18.32	18.30	18.29			
15	256QAM	1	74	18.33	18.27	18.27	19.5	0	
15	256QAM	36	0	18.36	18.38	18.22			
15	256QAM	36	20	18.24	18.35	18.24			
15	256QAM	36	39	18.32	18.36	18.33	19.5	0	
15	256QAM	75	0	18.30	18.37	18.26			
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	18.40	18.43	18.44	19.5	0	
10	QPSK	1	25	18.36	18.33	18.37			
10	QPSK	1	49	18.41	18.40	18.33			
10	QPSK	25	0	18.41	18.50	18.33	19.5	0	
10	QPSK	25	12	18.35	18.38	18.25			
10	QPSK	25	25	18.33	18.44	18.43			
10	QPSK	50	0	18.36	18.44	18.41	19.5	0	
10	16QAM	1	0	18.31	18.39	18.32			
10	16QAM	1	25	18.30	18.31	18.22			
10	16QAM	1	49	18.32	18.36	18.31	19.5	0	
10	16QAM	25	0	18.25	18.38	18.19			
10	16QAM	25	12	18.36	18.38	18.13			
10	16QAM	25	25	18.25	18.21	18.25	19.5	0	
10	16QAM	50	0	18.24	18.38	18.32			
10	64QAM	1	0	18.30	18.37	18.41			
10	64QAM	1	25	18.36	18.36	18.27	19.5	0	
10	64QAM	1	49	18.29	18.43	18.34			
10	64QAM	25	0	18.29	18.42	18.23			
10	64QAM	25	12	18.28	18.40	18.27	19.5	0	
10	64QAM	25	25	18.34	18.33	18.35			
10	64QAM	50	0	18.30	18.27	18.27			
10	256QAM	1	0	18.41	18.39	18.41	19.5	0	
10	256QAM	1	25	18.24	18.33	18.32			
10	256QAM	1	49	18.26	18.24	18.23			
10	256QAM	25	0	18.28	18.41	18.21	19.5	0	
10	256QAM	25	12	18.28	18.34	18.23			
10	256QAM	25	25	18.34	18.27	18.35			
10	256QAM	50	0	18.40	18.32	18.26	Tune-up limit (dBm)	MPR (dB)	
Channel				42115	42590	43065			
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	18.41	18.44	18.42	19.5	0	
5	QPSK	1	12	18.41	18.34	18.36			
5	QPSK	1	24	18.42	18.47	18.37			
5	QPSK	12	0	18.34	18.51	18.29	19.5	0	
5	QPSK	12	7	18.35	18.38	18.30			
5	QPSK	12	13	18.37	18.46	18.38			
5	QPSK	25	0	18.41	18.47	18.38	19.5	0	
5	16QAM	1	0	18.32	18.43	18.37			
5	16QAM	1	12	18.35	18.33	18.26			
5	16QAM	1	24	18.41	18.34	18.37	19.5	0	
5	16QAM	12	0	18.30	18.37	18.13			
5	16QAM	12	7	18.32	18.41	18.24			
5	16QAM	12	13	18.21	18.25	18.22	19.5	0	
5	16QAM	25	0	18.31	18.43	18.31			
5	64QAM	1	0	18.37	18.37	18.31			
5	64QAM	1	12	18.33	18.27	18.35	19.5	0	
5	64QAM	1	24	18.37	18.39	18.24			
5	64QAM	12	0	18.26	18.37	18.33			
5	64QAM	12	7	18.29	18.37	18.24	19.5	0	
5	64QAM	12	13	18.36	18.31	18.33			
5	64QAM	25	0	18.34	18.32	18.26			
5	256QAM	1	0	18.32	18.38	18.36	19.5	0	
5	256QAM	1	12	18.22	18.29	18.29			
5	256QAM	1	24	18.31	18.33	18.30			
5	256QAM	12	0	18.34	18.35	18.21	19.5	0	
5	256QAM	12	7	18.28	18.25	18.31			
5	256QAM	12	13	18.34	18.35	18.32			
5	256QAM	25	0	18.35	18.34	18.23			

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	17.88	17.95	17.87	17.88	19	0
20	QPSK	1	49	17.83	17.81	17.81	17.83		
20	QPSK	1	99	17.75	17.83	17.82	17.82		
20	QPSK	50	0	17.82	17.91	17.84	17.77		
20	QPSK	50	24	17.77	17.85	17.84	17.76	19	0
20	QPSK	50	50	17.80	17.82	17.82	17.81		
20	QPSK	100	0	17.76	17.87	17.83	17.81		
20	16QAM	1	0	17.74	17.86	17.77	17.75		
20	16QAM	1	49	17.80	17.72	17.67	17.77	19	0
20	16QAM	1	99	17.68	17.74	17.78	17.69		
20	16QAM	50	0	17.74	17.82	17.72	17.75		
20	16QAM	50	24	17.64	17.78	17.79	17.64		
20	16QAM	50	50	17.74	17.72	17.71	17.69	19	0
20	16QAM	100	0	17.64	17.85	17.71	17.78		
20	64QAM	1	0	17.81	17.85	17.77	17.86		
20	64QAM	1	49	17.80	17.72	17.70	17.79		
20	64QAM	1	99	17.72	17.76	17.78	17.80	19	0
20	64QAM	50	0	17.78	17.84	17.80	17.71		
20	64QAM	50	24	17.68	17.80	17.71	17.71		
20	64QAM	50	50	17.71	17.69	17.73	17.71		
20	64QAM	100	0	17.64	17.81	17.77	17.70	19	0
20	256QAM	1	0	17.84	17.82	17.73	17.75		
20	256QAM	1	49	17.70	17.77	17.68	17.78		
20	256QAM	1	99	17.62	17.76	17.70	17.79		
20	256QAM	50	0	17.71	17.85	17.72	17.74	19	0
20	256QAM	50	24	17.75	17.72	17.79	17.72		
20	256QAM	50	50	17.75	17.79	17.71	17.74		
20	256QAM	100	0	17.67	17.78	17.71	17.70		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	17.74	17.89	17.84	17.78	19	0
15	QPSK	1	37	17.79	17.78	17.70	17.71		
15	QPSK	1	74	17.63	17.76	17.71	17.77		
15	QPSK	36	0	17.70	17.78	17.79	17.70		
15	QPSK	36	36	17.64	17.72	17.77	17.62	19	0
15	QPSK	36	39	17.69	17.75	17.71	17.71		
15	QPSK	75	0	17.66	17.82	17.73	17.73		
15	16QAM	1	0	17.70	17.76	17.65	17.61		
15	16QAM	1	37	17.74	17.60	17.62	17.68	19	0
15	16QAM	1	74	17.64	17.69	17.76	17.57		
15	16QAM	36	0	17.64	17.72	17.67	17.71		
15	16QAM	36	20	17.53	17.67	17.67	17.62		
15	16QAM	36	39	17.63	17.58	17.62	17.64	19	0
15	16QAM	75	0	17.55	17.72	17.66	17.67		
15	64QAM	1	0	17.74	17.81	17.75	17.75		
15	64QAM	1	37	17.75	17.70	17.66	17.61		
15	64QAM	1	74	17.60	17.66	17.73	17.70	19	0
15	64QAM	36	0	17.69	17.71	17.74	17.58		
15	64QAM	36	20	17.57	17.75	17.67	17.61		
15	64QAM	36	39	17.61	17.63	17.67	17.62		
15	64QAM	75	0	17.53	17.75	17.71	17.67	19	0
15	256QAM	1	0	17.81	17.77	17.68	17.72		
15	256QAM	1	37	17.62	17.72	17.61	17.75		
15	256QAM	1	74	17.54	17.70	17.64	17.55		
15	256QAM	36	0	17.68	17.78	17.69	17.68	19	0
15	256QAM	36	20	17.67	17.67	17.73	17.68		
15	256QAM	36	39	17.68	17.76	17.67	17.64		
15	256QAM	75	0	17.54	17.70	17.61	17.63		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	17.76	17.87	17.83	17.76	19	0
10	QPSK	1	25	17.75	17.76	17.78	17.77		
10	QPSK	1	49	17.68	17.71	17.69	17.74		
10	QPSK	25	0	17.80	17.85	17.77	17.66		
10	QPSK	25	12	17.68	17.73	17.74	17.63	19	0
10	QPSK	25	25	17.69	17.78	17.71	17.69		
10	QPSK	50	0	17.71	17.81	17.70	17.74		
10	16QAM	1	0	17.83	17.79	17.74	17.67		
10	16QAM	1	25	17.72	17.59	17.62	17.73	19	0
10	16QAM	1	49	17.65	17.71	17.76	17.67		
10	16QAM	25	0	17.65	17.75	17.61	17.66		
10	16QAM	25	12	17.58	17.70	17.74	17.60		
10	16QAM	25	25	17.67	17.65	17.62	17.65	19	0
10	16QAM	50	0	17.56	17.72	17.59	17.67		
10	64QAM	0	0	17.76	17.72	17.72	17.74		
10	64QAM	1	25	17.67	17.64	17.65	17.65		
10	64QAM	1	49	17.70	17.63	17.73	17.72	19	0
10	64QAM	25	0	17.72	17.79	17.69	17.62		
10	64QAM	25	12	17.56	17.76	17.57	17.69		
10	64QAM	25	25	17.68	17.66	17.64	17.60		
10	64QAM	50	0	17.59	17.77	17.63	17.63	19	0
10	256QAM	1	0	17.79	17.70	17.62	17.66		
10	256QAM	1	25	17.67	17.64	17.60	17.66		
10	256QAM	1	49	17.60	17.70	17.56	17.75		
10	256QAM	25	0	17.63	17.82	17.63	17.68	19	0
10	256QAM	25	12	17.68	17.64	17.65	17.61		
10	256QAM	25	25	17.72	17.70	17.64	17.66		
10	256QAM	50	0	17.55	17.70	17.58	17.63		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3532.5	3607	3643	3697.5		
5	QPSK	1	0	17.77	17.82	17.75	17.77	19	0
5	QPSK	1	12	17.69	17.72	17.76	17.77		
5	QPSK	1	24	17.63	17.74	17.76	17.69		
5	QPSK	12	0	17.75	17.81	17.81	17.73		
5	QPSK	12	7	17.70	17.73	17.78	17.72	19	0
5	QPSK	12	13	17.76	17.70	17.70	17.73		
5	QPSK	25	0	17.64	17.74	17.77	17.77		
5	16QAM	1	0	17.72	17.73	17.63	17.68		
5	16QAM	1	12	17.75	17.59	17.59	17.64	19	0
5	16QAM	1	24	17.55	17.64	17.64	17.56		
5	16QAM	12	0	17.63	17.73	17.58	17.62		
5	16QAM	12	7	17.55	17.74	17.66	17.60		
5	16QAM	12	13	17.72	17.69	17.62	17.58	19	0
5	16QAM	25	0	17.54	17.73	17.67	17.74		
5	64QAM	1	0	17.78	17.72	17.71	17.80		
5	64QAM	1	12	17.70	17.61	17.59	17.67		
5	64QAM	1	24	17.66	17.72	17.68	17.77	19	0
5	64QAM	12	0	17.68	17.78	17.76	17.61		
5	64QAM	12	7	17.62	17.68	17.65	17.60		
5	64QAM	12	13	17.61	17.60	17.59	17.59		
5	64QAM	25	0	17.54	17.77	17.69	17.62	19	0
5	256QAM	1	0	17.73	17.78	17.76	17.71		
5	256QAM	1	12	17.65	17.64	17.54	17.67		
5	256QAM	1	24	17.51	17.63	17.67	17.72		
5	256QAM	12	0	17.62	17.78	17.58	17.63	19	0
5	256QAM	12	7	17.66	17.59	17.69	17.59		
5	256QAM	12	13	17.62	17.70	17.60	17.71		
5	256QAM	25	0	17.62	17.72	17.60	17.56		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	22.83	22.86	22.75	24	0	
20	QPSK	1	49	22.75	22.82	22.68			
20	QPSK	1	99	22.70	22.80	22.66			
20	QPSK	50	0	21.82	21.86	21.80	23	1	
20	QPSK	50	24	21.74	21.80	21.70			
20	QPSK	50	50	21.76	21.85	21.61			
20	QPSK	100	0	21.82	21.82	21.70	23	1	
20	16QAM	1	0	21.80	21.81	21.81			
20	16QAM	1	49	21.76	21.80	21.66			
20	16QAM	1	99	21.76	21.84	21.63	22	2	
20	16QAM	50	0	20.80	20.81	20.80			
20	16QAM	50	24	20.70	20.76	20.75			
20	16QAM	50	50	20.73	20.87	20.63	22	2	
20	16QAM	100	0	20.82	20.82	20.72			
20	64QAM	1	0	20.79	20.80	20.80			
20	64QAM	1	49	20.76	20.75	20.71	22	2	
20	64QAM	1	99	20.76	20.80	20.67			
20	64QAM	50	0	19.78	19.85	19.85			
20	64QAM	50	24	19.71	19.76	19.64	21	3	
20	64QAM	50	50	19.75	19.86	19.61			
20	64QAM	100	0	19.82	19.76	19.74			
20	256QAM	1	0	17.85	17.81	17.82	19	5	
20	256QAM	1	49	17.79	17.80	17.68			
20	256QAM	1	99	17.79	17.88	17.61			
20	256QAM	50	0	17.83	17.81	17.73	19	5	
20	256QAM	50	24	17.79	17.83	17.83			
20	256QAM	50	50	17.79	17.85	17.62			
20	256QAM	100	0	17.75	17.84	17.67	Tune-up limit (dBm)	MPR (dB)	
Channel				42165	42590	43015			
Frequency (MHz)				3457.5	3500	3542.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	22.72	22.78	22.67		24	
15	QPSK	1	37	22.70	22.79	22.66	23	1	
15	QPSK	1	74	22.64	22.76	22.56			
15	QPSK	36	0	21.71	21.83	21.72			
15	QPSK	36	20	21.71	21.67	21.61	23	1	
15	QPSK	36	39	21.69	21.80	21.47			
15	QPSK	75	0	21.77	21.71	21.62			
15	16QAM	1	0	21.69	21.72	21.75	23	1	
15	16QAM	1	37	21.73	21.75	21.53			
15	16QAM	1	74	21.66	21.71	21.57			
15	16QAM	36	0	20.69	20.74	20.71	22	2	
15	16QAM	36	20	20.63	20.71	20.62			
15	16QAM	36	39	20.68	20.77	20.58			
15	16QAM	75	0	20.71	20.75	20.62	22	2	
15	64QAM	1	0	20.68	20.68	20.72			
15	64QAM	1	37	20.69	20.71	20.58			
15	64QAM	1	74	20.70	20.78	20.60	21	3	
15	64QAM	36	0	19.66	19.75	19.75			
15	64QAM	36	20	19.59	19.65	19.56			
15	64QAM	36	39	19.65	19.80	19.52	19	5	
15	64QAM	75	0	19.80	19.65	19.63			
15	256QAM	1	0	17.78	17.77	17.74			
15	256QAM	1	37	17.76	17.66	17.64	19	5	
15	256QAM	1	74	17.76	17.75	17.57			
15	256QAM	36	0	17.70	17.68	17.70			
15	256QAM	36	20	17.75	17.71	17.72	19	5	
15	256QAM	36	39	17.66	17.75	17.54			
15	256QAM	75	0	17.72	17.73	17.61			
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	22.77	22.81	22.66	24	0	
10	QPSK	1	25	22.61	22.74	22.63			
10	QPSK	1	49	22.63	22.67	22.58			
10	QPSK	25	0	21.70	21.82	21.72	23	1	
10	QPSK	25	12	21.72	21.70	21.64			
10	QPSK	25	25	21.72	21.78	21.50			
10	QPSK	50	0	21.73	21.70	21.65	23	1	
10	16QAM	1	0	21.77	21.68	21.77			
10	16QAM	1	25	21.74	21.73	21.56			
10	16QAM	1	49	21.63	21.72	21.58	22	2	
10	16QAM	25	0	20.74	20.68	20.74			
10	16QAM	25	12	20.58	20.72	20.72			
10	16QAM	25	25	20.62	20.85	20.65	22	2	
10	16QAM	50	0	20.78	20.72	20.51			
10	64QAM	1	0	20.67	20.77	20.73			
10	64QAM	1	25	20.66	20.70	20.68	21	3	
10	64QAM	1	49	20.71	20.75	20.61			
10	64QAM	25	0	19.71	19.76	19.74			
10	64QAM	25	12	19.64	19.64	19.52	19	5	
10	64QAM	25	25	19.65	19.77	19.47			
10	64QAM	50	0	19.76	19.70	19.60			
10	256QAM	1	0	17.73	17.71	17.74	19	5	
10	256QAM	1	25	17.67	17.73	17.63			
10	256QAM	1	49	17.65	17.86	17.49			
10	256QAM	25	0	17.72	17.74	17.65	19	5	
10	256QAM	25	12	17.72	17.76	17.77			
10	256QAM	25	25	17.67	17.75	17.49			
10	256QAM	50	0	17.69	17.75	17.60	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	22.70	22.79	22.66		24	
5	QPSK	1	12	22.62	22.76	22.55	23	1	
5	QPSK	1	24	22.71	22.70	22.63			
5	QPSK	12	0	21.70	21.79	21.78			
5	QPSK	12	7	21.70	21.77	21.62	23	1	
5	QPSK	12	13	21.73	21.81	21.49			
5	QPSK	25	0	21.80	21.76	21.60			
5	16QAM	1	0	21.72	21.79	21.78	23	1	
5	16QAM	1	12	21.74	21.72	21.52			
5	16QAM	1	24	21.68	21.71	21.51			
5	16QAM	12	0	20.67	20.78	20.67	22	2	
5	16QAM	12	7	20.57	20.71	20.62			
5	16QAM	12	13	20.66	20.81	20.50			
5	16QAM	25	0	20.77	20.77	20.67	22	2	
5	64QAM	1	0	20.74	20.76	20.74			
5	64QAM	1	12	20.64	20.68	20.68			
5	64QAM	1	24	20.66	20.75	20.57	21	3	
5	64QAM	12	0	19.67	19.83	19.72			
5	64QAM	12	7	19.57	19.63	19.53			
5	64QAM	12	13	19.64	19.77	19.56	19	5	
5	64QAM	25	0	19.79	19.69	19.66			
5	256QAM	1	0	17.80	17.73	17.80			
5	256QAM	1	12	17.71	17.78	17.55	19	5	
5	256QAM	1	24	17.73	17.77	17.53			
5	256QAM	12	0	17.74	17.73	17.70			
5	256QAM	12	7	17.69	17.79	17.76	19	5	
5	256QAM	12	13	17.73	17.80	17.55			
5	256QAM	25	0	17.70	17.75	17.60			

Band 48 Ant 7 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560	3609	3641	3690		

Reduced Power Mode for Main PA DS1 ENDC										
Band 7 Ant 3 DS1 for ENDC										
BW [MHz]	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)				20850 2510	21100 2535	21350 2560				
20	QPSK	1	0	19.11	19.22	19.14	20	0		
20	QPSK	1	49	19.09	19.02	19.10				
20	QPSK	1	99	19.01	19.08	19.07				
20	QPSK	50	0	19.07	19.21	19.12	20	0		
20	QPSK	50	24	19.07	19.19	19.10				
20	QPSK	50	50	19.03	19.06	19.09				
20	QPSK	100	0	19.03	19.05	19.01	20	0		
20	16QAM	1	0	18.96	19.04	18.98				
20	16QAM	1	49	19.02	19.09	19.00				
20	16QAM	1	99	19.07	19.04	18.90	20	0		
20	16QAM	50	0	19.04	19.18	19.04				
20	16QAM	50	24	19.09	19.14	19.12				
20	16QAM	50	50	19.16	19.05	19.07	20	0		
20	16QAM	100	0	19.05	19.11	18.97				
20	64QAM	1	0	18.98	19.18	19.03				
20	64QAM	1	49	19.00	19.09	19.00	20	0		
20	64QAM	1	99	19.06	19.00	19.00				
20	64QAM	50	0	19.04	19.19	19.04				
20	64QAM	50	24	19.08	19.13	19.12	20	0		
20	64QAM	50	50	19.04	19.17	19.03				
20	64QAM	100	0	19.05	19.11	19.04				
20	256QAM	1	0	18.67	18.76	18.66	19.5	0.5		
20	256QAM	1	49	18.61	18.78	18.69				
20	256QAM	1	99	18.63	18.66	18.63				
20	256QAM	50	0	18.62	18.67	18.61	19.5	0.5		
20	256QAM	50	24	18.56	18.64	18.60				
20	256QAM	50	50	18.58	18.62	18.62				
20	256QAM	100	0	18.63	18.69	18.55				
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2507.5	2535	2562.5				
15	QPSK	1	0	19.09	19.18	19.07	20	0		
15	QPSK	1	37	19.02	18.96	19.05				
15	QPSK	1	74	18.95	19.04	19.02				
15	QPSK	36	0	19.00	19.11	19.11	20	0		
15	QPSK	36	20	19.04	19.08	19.07				
15	QPSK	36	39	18.96	18.99	19.06				
15	QPSK	75	0	19.00	18.95	18.96	20	0		
15	16QAM	1	0	18.85	19.01	18.87				
15	16QAM	1	37	18.95	19.03	18.88				
15	16QAM	1	74	19.00	18.99	18.83	20	0		
15	16QAM	36	0	18.94	19.08	19.02				
15	16QAM	36	20	19.00	19.05	19.05				
15	16QAM	36	39	19.08	18.95	19.00	20	0		
15	16QAM	75	0	18.95	19.04	18.95				
15	64QAM	1	0	18.97	19.10	19.00				
15	64QAM	1	37	18.92	19.03	18.88	20	0		
15	64QAM	1	74	19.01	18.92	18.99				
15	64QAM	36	0	18.98	19.10	18.99				
15	64QAM	36	20	18.97	19.10	19.07	20	0		
15	64QAM	36	39	18.93	19.12	18.95				
15	64QAM	75	0	18.98	19.05	19.02				
15	256QAM	1	0	18.56	18.71	18.54	19.5	0.5		
15	256QAM	1	37	18.52	18.69	18.58				
15	256QAM	1	74	18.54	18.55	18.57				
15	256QAM	36	0	18.56	18.57	18.52	19.5	0.5		
15	256QAM	36	20	18.54	18.57	18.55				
15	256QAM	36	39	18.52	18.48	18.56				
15	256QAM	75	0	18.53	18.66	18.48				
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2505	2535	2565				
10	QPSK	1	0	19.06	19.20	19.04	20	0		
10	QPSK	1	25	19.04	18.95	19.05				
10	QPSK	1	49	19.00	19.02	19.04				
10	QPSK	25	0	18.98	19.11	19.08	20	0		
10	QPSK	25	12	18.99	19.09	19.00				
10	QPSK	25	25	18.98	19.01	19.04				
10	QPSK	50	0	18.98	19.04	18.93	20	0		
10	16QAM	1	0	18.85	19.00	18.95				
10	16QAM	1	25	18.96	18.97	18.97				
10	16QAM	1	49	19.06	18.92	18.84	20	0		
10	16QAM	25	0	18.99	19.11	18.98				
10	16QAM	25	12	19.06	19.14	19.09				
10	16QAM	25	25	19.10	18.96	19.00	20	0		
10	16QAM	50	0	19.00	19.02	18.87				
10	64QAM	1	0	18.92	19.07	18.93				
10	64QAM	1	25	18.95	19.01	18.90	20	0		
10	64QAM	1	49	19.06	18.96	18.98				
10	64QAM	25	0	18.97	19.09	18.97				
10	64QAM	25	12	19.03	19.08	19.05	20	0		
10	64QAM	25	25	18.97	19.05	19.01				
10	64QAM	50	0	19.04	19.03	18.99				
10	256QAM	1	0	18.58	18.69	18.60	19.5	0.5		
10	256QAM	1	25	18.58	18.71	18.60				
10	256QAM	1	49	18.56	18.63	18.57				
10	256QAM	25	0	18.48	18.61	18.51	19.5	0.5		
10	256QAM	25	12	18.53	18.54	18.49				
10	256QAM	25	25	18.48	18.51	18.52				
10	256QAM	50	0	18.59	18.61	18.48				
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2502.5	2535	2567.5				
5	QPSK	1	0	19.07	19.18	19.07	20	0		
5	QPSK	1	12	19.00	18.96	19.05				
5	QPSK	1	24	18.90	18.98	19.00				
5	QPSK	12	0	18.97	19.16	19.12	20	0		
5	QPSK	12	7	18.99	19.12	19.10				
5	QPSK	12	13	18.98	19.05	19.08				
5	QPSK	25	0	18.93	18.98	18.94	20	0		
5	16QAM	1	0	18.96	18.97	18.93				
5	16QAM	1	12	19.02	19.07	18.94				
5	16QAM	1	24	18.97	19.00	18.78	20	0		
5	16QAM	12	0	18.98	19.11	18.92				
5	16QAM	12	7	19.08	19.05	19.09				
5	16QAM	12	13	19.16	19.00	19.01	20	0		
5	16QAM	25	0	18.97	19.10	18.88				
5	64QAM	1	0	18.94	19.17	18.96				
5	64QAM	1	12	18.93	19.02	18.91	20	0		
5	64QAM	1	24	18.99	18.92	18.99				
5	64QAM	12	0	18.93	19.16	19.00				
5	64QAM	12	7	19.00	19.03	19.02	20	0		
5	64QAM	12	13	18.93	19.11	18.95				
5	64QAM	25	0	18.95	19.10	19.00				
5	256QAM	1	0	18.58	18.70	18.63	19.5	0.5		
5	256QAM	1	12	18.48	18.75	18.62				
5	256QAM	1	24	18.59	18.54	18.56				
5	256QAM	12	0	18.54	18.55	18.49	19.5	0.5		
5	256QAM	12	7	18.46	18.54	18.50				
5	256QAM	12	13	18.53	18.52	18.57				
5	256QAM	25	0	18.55	18.66	18.42				

Band 5 Ant 4 DSI1 for ENDC									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20450	20525	20600			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	19.50	19.55	19.51	20.5	0	
10	QPSK	1	25	19.48	19.51	19.40			
10	QPSK	1	49	19.36	19.40	19.44			
10	QPSK	25	0	19.37	19.49	19.37			
10	QPSK	25	12	19.39	19.42	19.43	20.5	0	
10	QPSK	25	25	19.37	19.44	19.46			
10	QPSK	50	0	19.37	19.42	19.37			
10	16QAM	1	0	19.42	19.41	19.37			
10	16QAM	1	25	19.36	19.43	19.37	20.5	0	
10	16QAM	1	49	19.33	19.40	19.36			
10	16QAM	25	0	19.31	19.52	19.20			
10	16QAM	25	12	19.39	19.24	19.34			
10	16QAM	25	25	19.32	19.43	19.43	20.5	0	
10	16QAM	50	0	19.27	19.38	19.27			
10	64QAM	1	0	19.36	19.38	19.39			
10	64QAM	1	25	19.42	19.40	19.38			
10	64QAM	1	49	19.34	19.34	19.32	20.5	0	
10	64QAM	25	0	19.43	19.53	19.44			
10	64QAM	25	12	19.42	19.49	19.51			
10	64QAM	25	25	19.47	19.35	19.35			
10	64QAM	50	0	19.49	19.46	19.40	20.5	0	
10	256QAM	1	0	19.42	19.50	19.43			
10	256QAM	1	25	19.43	19.44	19.42			
10	256QAM	1	49	19.47	19.43	19.44			
10	256QAM	25	0	19.40	19.52	19.48	20.5	0	
10	256QAM	25	12	19.40	19.46	19.42			
10	256QAM	25	25	19.38	19.48	19.43			
10	256QAM	50	0	19.42	19.49	19.47			
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	0	19.47	19.52	19.43		20.5	
5	QPSK	1	12	19.40	19.48	19.31			
5	QPSK	1	24	19.34	19.29	19.39			
5	QPSK	12	0	19.33	19.38	19.31			
5	QPSK	12	7	19.34	19.34	19.41	20.5	0	
5	QPSK	12	13	19.31	19.34	19.39			
5	QPSK	25	0	19.32	19.33	19.27			
5	16QAM	1	0	19.37	19.31	19.26			
5	16QAM	1	12	19.26	19.31	19.30	20.5	0	
5	16QAM	1	24	19.31	19.39	19.26			
5	16QAM	12	0	19.20	19.41	19.12			
5	16QAM	12	7	19.35	19.21	19.32			
5	16QAM	12	13	19.29	19.32	19.37	20.5	0	
5	16QAM	25	0	19.18	19.36	19.17			
5	64QAM	1	0	19.27	19.28	19.28			
5	64QAM	1	12	19.30	19.34	19.37			
5	64QAM	1	24	19.25	19.23	19.23	20.5	0	
5	64QAM	12	0	19.31	19.43	19.43			
5	64QAM	12	7	19.34	19.47	19.42			
5	64QAM	12	13	19.42	19.23	19.23			
5	64QAM	25	0	19.46	19.38	19.38	20.5	0	
5	256QAM	1	0	19.37	19.43	19.33			
5	256QAM	1	12	19.41	19.35	19.33			
5	256QAM	1	24	19.41	19.35	19.34			
5	256QAM	12	0	19.31	19.40	19.38	20.5	0	
5	256QAM	12	7	19.30	19.44	19.41			
5	256QAM	12	13	19.28	19.40	19.33			
5	256QAM	25	0	19.33	19.48	19.42			
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				825.5	836.5	847.5			
3	QPSK	1	0	19.42	19.51	19.43		20.5	
3	QPSK	1	8	19.48	19.46	19.31			
3	QPSK	1	14	19.28	19.39	19.37			
3	QPSK	8	0	19.32	19.42	19.26			
3	QPSK	8	4	19.28	19.33	19.42	20.5	0	
3	QPSK	8	7	19.33	19.33	19.36			
3	QPSK	15	0	19.36	19.36	19.34			
3	16QAM	1	0	19.32	19.34	19.32			
3	16QAM	1	8	19.33	19.35	19.26	20.5	0	
3	16QAM	1	14	19.23	19.37	19.34			
3	16QAM	8	0	19.22	19.50	19.14			
3	16QAM	8	4	19.31	19.13	19.32			
3	16QAM	8	7	19.31	19.33	19.36	20.5	0	
3	16QAM	15	0	19.18	19.38	19.26			
3	64QAM	1	0	19.24	19.36	19.34			
3	64QAM	1	8	19.30	19.28	19.34			
3	64QAM	1	14	19.31	19.28	19.21	20.5	0	
3	64QAM	8	0	19.34	19.46	19.37			
3	64QAM	8	4	19.32	19.46	19.41			
3	64QAM	8	7	19.36	19.32	19.32			
3	64QAM	15	0	19.41	19.36	19.30	20.5	0	
3	256QAM	1	0	19.32	19.40	19.39			
3	256QAM	1	8	19.38	19.40	19.41			
3	256QAM	1	14	19.41	19.42	19.37			
3	256QAM	8	0	19.30	19.43	19.37	20.5	0	
3	256QAM	8	4	19.38	19.36	19.35			
3	256QAM	8	7	19.32	19.46	19.40			
3	256QAM	15	0	19.31	19.40	19.45			
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	19.40	19.53	19.50		20.5	
1.4	QPSK	1	3	19.47	19.50	19.29			
1.4	QPSK	1	5	19.30	19.38	19.38			
1.4	QPSK	3	0	19.32	19.38	19.30			
1.4	QPSK	3	1	19.34	19.40	19.38	20.5	0	
1.4	QPSK	3	3	19.30	19.41	19.39			
1.4	QPSK	6	0	19.27	19.34	19.36			
1.4	16QAM	1	0	19.31	19.38	19.31			
1.4	16QAM	1	3	19.35	19.35	19.36	20.5	0	
1.4	16QAM	1	5	19.25	19.31	19.28			
1.4	16QAM	3	0	19.27	19.51	19.14			
1.4	16QAM	3	1	19.35	19.16	19.32			
1.4	16QAM	3	3	19.31	19.42	19.42	20.5	0	
1.4	16QAM	6	0	19.19	19.35	19.20			
1.4	64QAM	1	0	19.35	19.38	19.31			
1.4	64QAM	1	3	19.41	19.38	19.29			
1.4	64QAM	1	5	19.32	19.34	19.22	20.5	0	
1.4	64QAM	3	0	19.42	19.42	19.40			
1.4	64QAM	3	1	19.31	19.46	19.47			
1.4	64QAM	3	3	19.43	19.29	19.24			
1.4	64QAM	6	0	19.46	19.35	19.36	20.5	0	
1.4	256QAM	1	0	19.41	19.47	19.42			
1.4	256QAM	1	3	19.33	19.38	19.33			
1.4	256QAM	1	5	19.41	19.40	19.36			
1.4	256QAM	3	0	19.31	19.45	19.48	20.5	0	
1.4	256QAM	3	1	19.28	19.35	19.40			
1.4	256QAM	3	3	19.36	19.37	19.32			
1.4	256QAM	6	0	19.40	19.38	19.44			

Reduced Power Mode for Main PA DSI2

GSM850 Ant 1 DSI 2		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	836.4	848.8	(dBm)	824.2	836.4	848.8	(dBm)
GSM 1 Tx slot		32.26	32.29	32.28		33.50	33.36	33.28	
GPRS 1 Tx slot		32.24	32.26	32.24	33.50	23.24	23.25	23.24	24.50
GPRS 2 Tx slots		31.43	31.53	31.51	32.50	25.43	25.53	25.51	26.50
GPRS 3 Tx slots		29.67	29.75	29.77	31.00	25.41	25.49	25.51	26.74
GPRS 4 Tx slots		28.63	28.87	28.73	30.00	25.63	25.87	25.73	27.00
EDGE 1 Tx slot		26.87	26.99	26.94	28.00	17.87	17.99	17.94	19.00
EDGE 2 Tx slots		23.95	23.99	23.90	25.00	17.95	17.99	17.90	19.00
EDGE 3 Tx slots		22.09	22.15	22.13	23.20	17.83	17.89	17.87	18.94
EDGE 4 Tx slots		20.83	20.98	20.94	22.00	17.83	17.98	17.94	19.00

GSM1900 Ant 1 DSI 2		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1860	1909.8	(dBm)	1850.2	1860	1909.8	(dBm)
GSM 1 Tx slot		29.18	29.45	29.43		20.18	20.45	20.43	
GPRS 1 Tx slot		29.31	29.38	29.36	30.50	20.31	20.38	20.36	21.50
GPRS 2 Tx slots		28.46	28.47	28.36	29.50	22.46	22.47	22.36	23.50
GPRS 3 Tx slots		26.74	26.73	26.67	28.00	22.48	22.47	22.41	23.74
GPRS 4 Tx slots		25.60	25.61	25.59	27.00	22.60	22.61	22.59	24.00
EDGE 1 Tx slot		25.84	25.90	25.81	27.00	16.84	16.90	16.81	18.00
EDGE 2 Tx slots		22.85	22.88	22.80	24.00	16.85	16.88	16.80	18.00
EDGE 3 Tx slots		21.02	21.08	21.01	22.20	16.76	16.82	16.75	17.94
EDGE 4 Tx slots		19.82	19.87	19.82	21.00	16.82	16.87	16.82	18.00

Band		WCDMA II Ant 1 DSI 2			Tune-up Limit (dBm)	WCDMA IV Ant 1 DSI 2			Tune-up Limit (dBm)	WCDMA V Ant 1 DSI 2			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938	(dBm)	1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1860	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	22.88	22.94	22.83	24.00	22.80	22.84	22.86	24.00	24.38	24.46	24.35	25.50
3GPP Rel 99	AMR 12.2Kbps	22.91	22.98	22.93	24.00	22.87	22.99	22.88	24.00	24.48	24.50	24.44	25.50
3GPP Rel 6	HSDPA Subtest-1	21.92	21.96	21.87	23.00	21.89	21.94	21.87	23.00	23.52	23.54	23.46	24.50
3GPP Rel 6	HSDPA Subtest-2	21.88	21.96	21.97	23.00	21.92	21.91	21.84	23.00	23.50	23.47	23.43	24.50
3GPP Rel 6	HSDPA Subtest-3	21.36	21.43	21.47	22.50	21.33	21.41	21.43	22.50	22.94	23.01	22.90	24.00
3GPP Rel 6	HSDPA Subtest-4	21.37	21.53	21.43	22.50	21.41	21.41	21.43	22.50	23.01	22.98	22.91	24.00
3GPP Rel 6	DC-HSDPA Subtest-1	21.89	22.04	21.88	23.00	21.85	21.93	21.83	23.00	23.46	23.56	23.41	24.50
3GPP Rel 6	DC-HSDPA Subtest-2	21.90	22.01	21.94	23.00	21.88	21.89	21.83	23.00	23.47	23.53	23.48	24.50
3GPP Rel 6	DC-HSDPA Subtest-3	21.38	21.44	21.45	22.50	21.32	21.40	21.33	22.50	23.01	23.04	22.94	24.00
3GPP Rel 6	DC-HSDPA Subtest-4	21.46	21.48	21.45	22.50	21.36	21.42	21.38	22.50	23.01	23.01	22.97	24.00
3GPP Rel 6	HSUPA Subtest-1	21.87	22.02	21.99	23.00	21.92	21.85	21.82	23.00	23.49	23.52	23.42	24.50
3GPP Rel 6	HSUPA Subtest-2	19.88	19.99	19.98	21.00	19.85	19.96	19.94	21.00	21.48	21.50	21.41	22.50
3GPP Rel 6	HSUPA Subtest-3	20.96	21.03	20.94	22.00	20.82	20.91	20.87	22.00	22.51	22.48	22.38	23.50
3GPP Rel 6	HSUPA Subtest-4	19.86	19.93	19.88	21.00	19.85	19.92	19.85	21.00	21.46	21.51	21.45	22.50
3GPP Rel 6	HSUPA Subtest-5	21.91	22.00	21.96	23.00	21.84	21.95	21.85	23.00	23.45	23.49	23.49	24.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.38	19.49	19.46	20.50	19.39	19.43	19.41	20.50	20.96	21.01	20.97	22.00

Band 2 Ant 1 DSI 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power (W)	Power (W) Ch / Freq.	Power (W) Ch / Freq.	Turn-up time (sec)	MFR (dB)		
Channel										
Frequency (MHz)	1	6	1860	1860	1900					
20	QPSK	1	6	22.95	22.95	22.92				
20	QPSK	1	6	22.95	22.95	22.94	24	0		
20	QPSK	1	6	22.98	22.98	22.98				
20	QPSK	1	6	21.93	22.00	21.97				
20	QPSK	1	6	21.93	21.98	21.98	23	1		
20	QPSK	50	50	21.83	21.99	21.84				
20	QPSK	100	0	21.92	21.98	21.89				
20	QPSK	1	6	21.84	21.94	21.87				
20	QPSK	1	49	21.82	21.87	21.84	23	1		
20	QPSK	1	59	21.80	21.89	21.77				
20	QPSK	1	59	20.96	21.01	21.00				
20	QPSK	50	24	20.87	21.00	20.88	22	2		
20	QPSK	50	50	20.78	21.04	20.80				
20	QPSK	100	0	20.87	20.99	20.88				
20	QPSK	1	0	20.80	20.96	20.90				
20	QPSK	1	49	20.79	20.85	20.80	22	2		
20	QPSK	1	59	20.86	20.84	20.82				
20	QPSK	50	0	19.98	19.96	20.01				
20	QPSK	50	24	19.80	19.95	19.83	21	3		
20	QPSK	50	50	19.80	20.03	19.82				
20	QPSK	100	0	19.91	19.95	19.95				
20	QPSK	1	0	17.87	17.91	17.87				
20	QPSK	1	49	17.78	17.90	17.85	19	5		
20	QPSK	1	59	17.82	18.00	17.82				
20	QPSK	50	24	17.80	17.90	17.90	19	5		
20	QPSK	50	50	17.82	17.93	17.85				
20	QPSK	100	0	17.88	17.93	17.78				
Channel										
Frequency (MHz)	1867.5	1860	1860	1900	1900	1900	Turn-up time (sec)	MFR (dB)		
15	QPSK	1	0	22.82	22.83	22.88				
15	QPSK	1	0	22.82	22.82	22.77	24	0		
15	QPSK	1	74	22.84	22.85	22.84				
15	QPSK	36	0	21.82	21.85	21.88				
15	QPSK	36	0	21.74	21.69	21.84	23	1		
15	QPSK	36	36	21.87	21.78	21.78				
15	QPSK	75	0	21.80	21.84	21.75				
15	QPSK	75	0	21.80	21.84	21.78	23	1		
15	QPSK	1	37	21.73	21.85	21.76				
15	QPSK	1	74	21.75	21.81	21.77				
15	QPSK	36	24	20.84	20.88	20.86	22	2		
15	QPSK	36	24	20.77	20.87	20.75				
15	QPSK	75	0	20.78	20.87	20.82				
15	QPSK	75	0	20.78	20.87	20.82	22	2		
15	QPSK	1	0	20.70	20.86	20.85				
15	QPSK	1	0	20.70	20.86	20.85	22	2		
15	QPSK	1	74	20.77	20.82	20.74				
15	QPSK	36	0	19.85	19.91	19.86				
15	QPSK	36	0	19.85	19.94	19.74	21	3		
15	QPSK	36	36	19.87	19.95	19.75				
15	QPSK	75	0	19.77	19.91	19.82				
15	QPSK	75	0	17.85	17.91	17.86				
15	QPSK	1	37	17.88	17.82	17.81	19	5		
15	QPSK	1	74	17.89	17.88	17.75				
15	QPSK	36	24	17.86	17.85	17.86	19	5		
15	QPSK	36	24	17.80	17.83	17.83				
15	QPSK	36	36	17.68	17.85	17.78				
15	QPSK	75	0	17.72	17.73	17.72				
Channel										
Frequency (MHz)	1860	1860	1860	1900	1900	1900	Turn-up time (sec)	MFR (dB)		
10	QPSK	1	0	22.81	22.81	22.81				
10	QPSK	1	26	22.74	22.80	22.74	24	0		
10	QPSK	1	49	22.82	22.82	22.73				
10	QPSK	1	49	21.83	21.87	21.80				
10	QPSK	25	12	21.71	21.94	21.80	23	1		
10	QPSK	25	25	21.70	21.86	21.72				
10	QPSK	25	25	21.81	21.86	21.83	23	1		
10	QPSK	1	26	21.72	21.82	21.81				
10	QPSK	1	26	20.78	20.84	20.75	22	2		
10	QPSK	25	12	20.75	20.90	20.95				
10	QPSK	25	12	20.74	20.90	20.85				
10	QPSK	25	12	20.74	20.90	20.85	22	2		
10	QPSK	25	12	20.70	20.89	20.77				
10	QPSK	25	12	20.68	20.85	20.71	22	2		
10	QPSK	1	49	20.72	20.78	20.70				
10	QPSK	25	0	19.93	19.91	19.90				
10	QPSK	25	0	19.93	19.93	19.80	21	3		
10	QPSK	25	25	19.75	19.98	19.74				
10	QPSK	25	25	19.82	19.90	19.88				
10	QPSK	25	25	17.83	17.78	17.72	19	5		
10	QPSK	25	25	17.72	17.78	17.75				
10	QPSK	25	25	17.67	17.80	17.77	19	5		
10	QPSK	25	25	17.67	17.80	17.77				
Channel										
Frequency (MHz)	1860	1860	1860	1900	1900	1900	Turn-up time (sec)	MFR (dB)		
5	QPSK	1	0	22.82	22.85	22.78				
5	QPSK	1	0	22.72	22.81	22.72	24	0		
5	QPSK	1	14	22.78	22.87	22.76				
5	QPSK	1	24	22.86	22.88	22.88				
5	QPSK	12	6	21.84	21.87	21.82	23	1		
5	QPSK	12	6	21.75	21.82	21.80				
5	QPSK	12	13	21.73	21.80	21.80				
5	QPSK	26	13	21.68	21.67	21.76	23	1		
5	QPSK	1	0	21.81	21.86	21.79				
5	QPSK	1	12	21.78	21.80	21.72	23	1		
5	QPSK	1	12	21.73	21.83	21.68				
5	QPSK	12	0	20.83	20.90	20.82				
5	QPSK	12	7	20.85	20.96	20.83	22	2		
5	QPSK	12	0	20.60	20.87	20.87				
5	QPSK	25	0	20.85	20.91	20.89				
5	QPSK	1	0	20.70	20.87	20.80	22	2		
5	QPSK	1	0	20.70	20.82	20.77				
5	QPSK	1	24	20.74	20.71	20.80				
5	QPSK	12	0	19.94	19.93	19.90				
5	QPSK	12	0	19.75	19.91	19.80	21	3		
5	QPSK	12	13	19.74	19.90	19.76				
5	QPSK	25	0	19.88	19.86	19.88				
5	QPSK	25	0	17.80	17.81	17.80	19	5		
5	QPSK	25	12	17.79	17.84	17.82				
5	QPSK	25	12	17.75	17.84	17.73				
5	QPSK	25	12	17.75	17.80	17.72	19	5		
5	QPSK	25	12	17.67	17.80	17.72				
5	QPSK	25	12	17.67	17.80	17.72				
Channel										
Frequency (MHz)	1860	1860	1860	1900	1900	1900	Turn-up time (sec)	MFR (dB)		
1.4	QPSK	1	0	22.80	22.85	22.78				
1.4	QPSK	1	0	22.72	22.81	22.72	24	0		
1.4	QPSK	1	0	22.80	22.80	22.72				
1.4	QPSK	1	0	22.80	22.80	22.72	24	0		
1.4	QPSK	3	1	22.59	22.68	22.52				
1.4	QPSK	3	0	22.68	22.68	22.62	23	1		
1.4	QPSK	3	0	21.79	21.86	21.74				
1.4	QPSK	1	0	21.70	21.86	21.80	23	1		
1.4	QPSK	1	0	21.72	21.83	21.72				
1.4	QPSK	1	0	21.68	21.85	21.74	23	1		
1.4	QPSK	1	0	20.70	20.90	20.96				
1.4	QPSK	1	4	20.74	20.87	20.83	22	2		
1.4	QPSK	1	0	20.68	20.91	20.87				
1.4	QPSK	15	0	20.74	20.88	20.82				
1.4	QPSK	1	0	20.71	20.81	20.68	22	2		
1.4	QPSK	1	0	20.68	20.73	20.73				
1.4	QPSK	1	14	20.75	20.71	20.79				
1.4	QPSK	1	0	19.87	19.98	19.85				
1.4	QPSK	1	0	19.80	19.84	19.77	21	3		
1.4	QPSK	1	0	19.76	19.96	19.78				
1.4	QPSK	1	0	17.88	17.89	17.80	19	5		
1.4	QPSK	1	0	17.84	17.88	17.87				
1.4	QPSK	1	0	17.88	17.85	17.82				
1.4	QPSK	1	0	17.87	17.89	17.74				
1.4	QPSK	15	0	17.80	17.75	17.72	19	5		
Channel										
Frequency (MHz)	1860	1860	1860	1900	1900	1900	Turn-up time (sec)	MFR (dB)		
1.4	QPSK	1	0	22.80	22.85	22.78		</		

Band 12 Ant 1 DSI 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq. 25000	Power Mid Ch / Freq. 25005	Power High Ch / Freq. 25100	Turn-up Int. (dB)	MPE (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	24.39	24.45	24.37			25.5	0
10	QPSK	1	25	24.36	24.42	24.24				
10	QPSK	1	49	24.31	24.34	24.25			24.5	1
10	QPSK	25	0	23.42	23.45	23.28				
10	QPSK	25	12	23.32	23.35	23.28			24.5	1
10	QPSK	25	25	23.34	23.37	23.29				
10	16QAM	1	0	23.35	23.42	23.35			24.5	1
10	16QAM	1	25	23.37	23.49	23.40				
10	16QAM	1	49	23.35	23.28	23.25			23.5	2
10	16QAM	25	0	22.47	22.51	22.32				
10	16QAM	25	12	22.33	22.42	22.23			23.5	2
10	16QAM	25	25	22.49	22.57	22.28				
10	64QAM	1	0	22.30	22.45	22.31			23.5	2
10	64QAM	1	25	22.42	22.57	22.38				
10	64QAM	1	49	22.36	22.25	22.23			22.5	3
10	64QAM	25	0	21.41	21.48	21.34				
10	64QAM	25	12	21.28	21.36	21.24			22.5	3
10	64QAM	25	25	21.35	21.38	21.17				
10	256QAM	1	0	19.44	19.43	19.27			20.5	5
10	256QAM	1	25	19.39	19.40	19.27				
10	256QAM	1	49	19.39	19.39	19.34			20.5	5
10	256QAM	25	0	19.35	19.39	19.34				
10	256QAM	25	12	19.41	19.45	19.28				
Channel										
Frequency (MHz)										
5	QPSK	1	0	24.35	24.43	24.29			25.5	0
5	QPSK	1	24	24.31	24.37	24.12				
5	QPSK	12	0	23.38	23.31	23.27			24.5	0
5	QPSK	12	13	23.39	23.30	23.18				
5	QPSK	12	13	23.31	23.28	23.13			24.5	1
5	QPSK	25	0	23.22	23.24	23.12				
5	16QAM	1	0	23.33	23.34	23.38			24.5	1
5	16QAM	1	12	23.30	23.27	23.15				
5	16QAM	12	0	22.47	22.38	22.23			23.5	2
5	16QAM	12	7	22.30	22.31	22.12				
5	16QAM	25	0	22.22	22.41	22.26			23.5	2
5	64QAM	1	0	22.28	22.34	22.23				
5	64QAM	1	24	22.25	22.21	22.17			22.5	3
5	64QAM	12	7	21.18	21.28	21.15				
5	64QAM	12	13	21.33	21.27	21.13			22.5	3
5	64QAM	25	0	21.28	21.23	21.25				
5	256QAM	1	0	19.41	19.37	19.25			20.5	5
5	256QAM	1	12	19.28	19.31	19.23				
5	256QAM	1	24	19.32	19.26	19.28			20.5	5
5	256QAM	12	0	19.32	19.28	19.15				
5	256QAM	12	7	19.32	19.28	19.15				
Channel										
Frequency (MHz)										
3	QPSK	1	0	24.32	24.39	24.13			25.5	0
3	QPSK	1	14	24.21	24.27	24.18				
3	QPSK	8	0	23.39	23.32	23.26			24.5	0
3	QPSK	8	7	23.27	23.39	23.29				
3	QPSK	8	7	23.25	23.30	23.14			24.5	1
3	QPSK	16	0	23.21	23.30	23.24				
3	16QAM	1	0	23.32	23.34	23.34			24.5	1
3	16QAM	1	8	23.35	23.27	23.25				
3	16QAM	8	0	22.33	22.27	22.25			23.5	2
3	16QAM	8	4	22.25	22.30	22.18				
3	64QAM	1	0	22.27	22.30	22.25			23.5	2
3	64QAM	1	14	22.29	22.18	22.11				
3	64QAM	8	0	21.39	21.44	21.32			22.5	3
3	64QAM	8	4	21.22	21.24	21.20				
3	64QAM	8	7	21.26	21.33	21.10			20.5	5
3	256QAM	1	0	19.30	19.45	19.40				
3	256QAM	1	8	19.22	19.29	19.18			20.5	5
3	256QAM	1	14	19.37	19.25	19.19				
3	256QAM	8	0	19.24	19.38	19.31			20.5	5
3	256QAM	8	4	19.28	19.27	19.27				
3	256QAM	8	7	19.34	19.41	19.14			20.5	5
3	256QAM	15	0	19.24	19.24	19.21				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	24.32	24.33	24.13			25.5	0
1.4	QPSK	1	3	24.24	24.31	24.13				
1.4	QPSK	1	5	24.38	24.24	24.12			24.5	0
1.4	QPSK	3	0	24.22	24.24	24.32				
1.4	QPSK	3	1	24.17	24.26	24.07			24.5	1
1.4	QPSK	3	3	24.25	24.15	24.05				
1.4	16QAM	1	0	23.28	23.32	23.32			24.5	1
1.4	16QAM	1	0	23.28	23.31	23.38				
1.4	16QAM	1	3	23.30	23.30	23.19			23.5	2
1.4	16QAM	1	3	23.24	23.25	23.19				
1.4	16QAM	3	0	23.15	23.26	23.21			23.5	2
1.4	16QAM	3	1	23.14	23.28	23.28				
1.4	64QAM	1	0	22.17	22.40	22.21			22.5	3
1.4	64QAM	1	0	22.25	22.38	22.28				
1.4	64QAM	1	3	22.18	22.32	22.15			20.5	5
1.4	64QAM	3	0	22.23	22.12	22.15				
1.4	64QAM	3	3	22.23	22.12	22.15			22.5	3
1.4	64QAM	3	0	21.19	21.32	21.27				
1.4	256QAM	1	0	19.40	19.38	19.31			20.5	5
1.4	256QAM	1	3	19.19	19.37	19.17				
1.4	256QAM	1	5	19.25	19.29	19.24			20.5	5
1.4	256QAM	3	0	19.24	19.29	19.26				
1.4	256QAM	3	0	19.39	19.38	19.25			20.5	5
1.4	256QAM	5	0	19.39	19.41	19.14				

Band 13 Ant 1 DSI 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Turn-up Int. (dB)	MPE (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	24.49			25.5	0		
10	QPSK	1	25	24.38						
10	QPSK	1	49	24.37			24.5	1		
10	QPSK	25	0	23.46						
10	QPSK	25	12	23.42			24.5	1		
10	QPSK	25	25	23.34						
10	QPSK	50	0	23.41			24.5	1		
10	16QAM	1	0	23.34						
10	16QAM	1	25	23.42			23.5	2		
10	16QAM	1	49	23.32						
10	16QAM	25	0	22.43			23.5	2		
10	16QAM	25	12	22.40						
10	16QAM	25	25	22.28			23.5	2		
10	16QAM	50	0	22.48						
10	64QAM	1	0	22.39			23.5	2		
10	64QAM	1	25	22.33						
10	64QAM	1	49	22.27			22.5	3		
10	64QAM	25	0	21.44						
10	64QAM	25	12	21.31			22.5	3		
10	64QAM	25	25	21.30						
10	64QAM	50	0	21.40			20.5	5		
10	256QAM	1	25	19.43						
10	256QAM	1	49	19.32			20.5	5		
10	256QAM	25	0	19.38						
10	256QAM	25	12	19.30			20.5	5		
10	256QAM	25	25	19.25						
10	256QAM	50	0	19.33			20.5	5		
10	256QAM	50	25	19.27						
Channel										
Frequency (MHz)										
5	QPSK	1	0	24.00	23.26	23.05	24.5	0		
5	QPSK	1	24	24.33	24.00	24.38				
5	QPSK	1	12	24.33	24.00	24.38	25.0	0		
5	QPSK	1	24	24.20	24.31	24.34				
5	QPSK	12	0	23.39	23.44	23.39	24.5	1		
5	QPSK	12	7	23.33	23.29	23.38				
5	QPSK	12	13	23.24	23.28	23.28	24.5	1		
5	QPSK	25	0	23.27	23.31	23.28				
5	16QAM	1	0	23.21	23.24	23.29	24.5	1		
5	16QAM	1	12	23.34	23.39	23.36				
5	16QAM	1	24	23.25	23.38	23.24	23.5	2		
5	16QAM	12	0	22.29	22.33	22.38				
5	16QAM	12	7	22.37	22.33	22.26	23.5	2		
5	16QAM	12	13	22.33	22.28	22.27				
5	16QAM	25	0	22.43	22.41	22.43	23.5	2		
5	16QAM	25	12	22.27	22.29	22.29				
5	16QAM	1	12	22.23	22.29	22.21	23.5	2		
5	64QAM	1	24	22.24	22.17	22.10				
5	64QAM	12	0	21.33	21.27	21.38	22.5	3		
5	64QAM	12	7	21.22	21.26	21.18				
5	64QAM	12	13	21.28	21.18	21.24	22.5	3		
5	64QAM	25	0	21.06	21.20	21.26				
5	256QAM	1	12	19.38	19.38	19.26	20.5	5		
5	256QAM	1	24	19.36	19.39	19.32				
5	256QAM	1	12	19.26	19.26	19.20	20.5	5		
5	256QAM	12	0	19.31	19.26	19.21				
5	256QAM	12	7	19.37	19.33	19.28	20.5	5		
5	256QAM	12	13	19.37	19.40	19.43				
5	256QAM	25	0	19.27	19.30	19.25	20.5	5		
5	256QAM	25	12	19.30	19.33	19.28				

Band 66 Ant 1 DSI 2												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up (dB)	APRS (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	22.84	22.91	22.95			24	0		
20	QPSK	1	49	22.70	22.85	22.75						
20	QPSK	1	99	22.73	22.76	22.87						
20	QPSK	50	0	22.71	22.83	22.88						
20	QPSK	50	24	22.78	22.78	22.84			24	0		
20	QPSK	50	50	22.73	22.75	22.83						
20	QPSK	100	0	22.68	22.85	22.75						
20	HQDM	1	0	22.68	22.79	22.76						
20	HQDM	1	49	22.83	22.66	22.86			24	0		
20	HQDM	1	99	22.73	22.71	22.73						
20	HQDM	50	0	21.85	21.80	21.88						
20	HQDM	50	24	21.70	21.70	21.83			23	1		
20	HQDM	50	50	21.83	21.79	21.81						
20	HQDM	100	0	21.80	21.82	21.78						
20	SAQDM	1	0	21.84	21.84	21.79						
20	SAQDM	1	49	21.84	21.71	21.76			23	1		
20	SAQDM	1	99	21.78	21.74	21.75						
20	SAQDM	50	0	20.78	20.95	20.90						
20	SAQDM	50	24	20.86	20.79	20.84			22	2		
20	SAQDM	50	50	20.85	20.77	20.87						
20	SAQDM	100	0	20.68	20.83	20.82						
20	25SQDM	1	0	18.76	18.76	18.86			20	4		
20	25SQDM	1	49	18.76	18.76	18.78						
20	25SQDM	1	99	18.89	18.88	18.82						
20	25SQDM	50	0	18.75	18.91	18.75						
20	25SQDM	50	24	18.65	18.78	18.75			20	4		
20	25SQDM	50	50	18.67	18.74	18.67						
20	25SQDM	100	0	18.72	18.68	18.80						
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.80	22.77	22.86			24	0		
15	QPSK	1	37	22.83	22.74	22.71						
15	QPSK	1	74	22.81	22.67	22.81						
15	QPSK	36	0	22.65	22.77	22.78						
15	QPSK	36	20	22.72	22.71	22.80			24	0		
15	QPSK	36	39	22.60	22.64	22.74						
15	QPSK	75	0	22.56	22.77	22.71						
15	HQDM	1	0	22.54	22.73	22.75						
15	HQDM	1	37	22.60	22.53	22.54			24	0		
15	HQDM	1	74	22.70	22.83	22.71						
15	HQDM	36	0	21.54	21.87	21.77						
15	HQDM	36	20	21.64	21.64	21.75			23	1		
15	HQDM	36	39	21.75	21.74	21.73						
15	HQDM	75	0	21.77	21.79	21.64						
15	SAQDM	1	0	21.43	21.70	21.69						
15	SAQDM	1	37	21.57	21.66	21.68			23	1		
15	SAQDM	1	74	21.85	21.65	21.73						
15	SAQDM	36	0	20.88	20.88	20.76						
15	SAQDM	36	20	20.73	20.58	20.77			22	2		
15	SAQDM	36	39	20.52	20.67	20.74						
15	SAQDM	75	0	20.56	20.78	20.76						
15	25SQDM	1	0	18.59	18.54	18.80						
15	25SQDM	1	37	18.74	18.78	18.74			20	4		
15	25SQDM	1	74	18.83	18.74	18.78						
15	25SQDM	36	0	18.72	18.85	18.83						
15	25SQDM	36	20	18.59	18.68	18.65						
15	25SQDM	36	39	18.44	18.68	18.62			20	4		
15	25SQDM	36	75	18.67	18.60	18.73						
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.74	22.68	22.77			24	0		
10	QPSK	1	25	22.66	22.81	22.63						
10	QPSK	1	49	22.70	22.64	22.83						
10	QPSK	25	0	22.63	22.78	22.77						
10	QPSK	25	12	22.71	22.70	22.75			24	0		
10	QPSK	25	25	22.80	22.69	22.80						
10	QPSK	50	0	22.80	22.73	22.71						
10	HQDM	1	0	22.55	22.68	22.67						
10	HQDM	1	25	22.54	22.58	22.62			24	0		
10	HQDM	1	49	22.86	22.51	22.68						
10	HQDM	25	0	21.82	21.73	21.80						
10	HQDM	25	12	21.67	21.63	21.77			23	1		
10	HQDM	25	25	21.74	21.68	21.73						
10	HQDM	50	0	21.74	21.79	21.69						
10	SAQDM	1	0	21.48	21.74	21.68						
10	SAQDM	1	25	21.51	21.62	21.62			23	1		
10	SAQDM	1	49	21.85	21.61	21.73						
10	SAQDM	25	0	20.75	20.88	20.80						
10	SAQDM	25	12	20.72	20.60	20.61			22	2		
10	SAQDM	25	25	20.82	20.68	20.81						
10	SAQDM	50	0	20.64	20.77	20.78						
10	25SQDM	1	0	18.65	18.65	18.83						
10	25SQDM	1	25	18.62	18.72	18.69			20	4		
10	25SQDM	1	49	18.87	18.85	18.75						
10	25SQDM	25	0	18.72	18.80	18.85						
10	25SQDM	25	12	18.59	18.68	18.64						
10	25SQDM	25	25	18.53	18.60	18.55			20	4		
10	25SQDM	50	0	18.68	18.50	18.80						
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.79	22.78	22.72			24	0		
5	QPSK	1	12	22.58	22.71	22.73						
5	QPSK	1	24	22.67	22.62	22.84						
5	QPSK	11	0	22.59	22.74	22.78						
5	QPSK	12	7	22.73	22.65	22.77			24	0		
5	QPSK	12	13	22.70	22.62	22.80						
5	QPSK	26	0	22.81	22.81	22.70						
5	HQDM	1	0	22.56	22.69	22.67						
5	HQDM	1	12	22.62	22.53	22.55			24	0		
5	HQDM	1	24	22.71	22.65	22.71						
5	HQDM	12	0	21.83	21.69	21.78						
5	HQDM	12	7	21.64	21.61	21.71			23	1		
5	HQDM	12	13	21.76	21.77	21.70						
5	HQDM	26	0	21.66	21.70	21.78						
5	SAQDM	1	0	21.50	21.75	21.67						
5	SAQDM	1	12	21.51	21.62	21.62			23	1		
5	SAQDM	1	24	21.86	21.64	21.68						
5	SAQDM	12	0	20.69	20.92	20.82						
5	SAQDM	12	7	20.75	20.62	20.81			22	2		
5	SAQDM	12	13	20.76	20.71	20.79						
5	SAQDM	26	0	20.59	20.70	20.70						
5	25SQDM	1	0	18.68	18.70	18.82						
5	25SQDM	1	12	18.65	18.67	18.79			20	4		
5	25SQDM	1	24	18.85	18.80	18.77						
5	25SQDM	12	0	18.64	18.78	18.64						
5	25SQDM	12	7	18.63	18.75	18.63						
5	25SQDM	12	13	18.44	18.62	18.85			20	4		
5	25SQDM	26	0	18.50	18.81	18.77						
Channel												
Frequency (MHz)												
3	QPSK	1	0	22.73	22.65	22.71			24	0		
3	QPSK	1	8	22.62	22.81	22.68						
3	QPSK	1	14	22.61	22.64	22.76						
3	QPSK	8	0	22.60	22.70	22.77						
3	QPSK	8	4	22.67	22.70	22.80			24	0		
3	QPSK	8	7	22.63	22.63	22.76						
3	QPSK	16	0	22.59	22.80	22.72						
3	HQDM	1	0	22.65	22.74	22.66						
3	HQDM	1	8	22.63	22.62	22.64			24	0		
3	HQDM	1	14									

GSM850 Ant 4 DSI 2		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	834.4	844.6		824.2	834.4	844.6	
GSM1 Tx slot		32.40	32.46	32.45	33.50	23.40	23.46	23.45	24.50
GPRS 1 Tx slot		32.40	32.41	32.38	33.50	23.40	23.41	23.38	24.50
GPRS 2 Tx slots		31.45	31.36	31.31	32.50	25.45	25.36	25.31	26.50
GPRS 3 Tx slots		29.67	29.61	29.61	31.00	25.41	25.35	25.35	26.74
GPRS 4 Tx slots		28.73	28.79	28.68	30.00	25.73	25.79	25.68	27.00
EDGE 1 Tx slot		26.86	26.93	26.89	28.00	17.86	17.93	17.89	19.00
EDGE 2 Tx slots		23.82	23.96	23.90	25.00	17.82	17.96	17.90	19.00
EDGE 3 Tx slots		22.08	22.11	22.07	23.20	17.82	17.85	17.81	18.94
EDGE 4 Tx slots		20.89	20.93	20.84	22.00	17.89	17.93	17.84	19.00

GSM1900 Ant 4 DSI 2		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)		1650.2	1680	1909.8		1650.2	1680	1909.8	
GSM1 Tx slot		28.42	28.54	28.51	29.50	19.42	19.54	19.51	20.50
GPRS 1 Tx slot		28.38	28.50	28.46	29.50	19.38	19.50	19.46	20.50
GPRS 2 Tx slots		27.64	27.59	27.73	28.50	21.64	21.59	21.73	22.50
GPRS 3 Tx slots		25.83	25.83	25.95	27.00	21.57	21.57	21.69	22.74
GPRS 4 Tx slots		24.80	24.89	24.87	26.00	21.80	21.89	21.87	23.00
EDGE 1 Tx slot		24.82	24.87	24.83	26.00	15.82	15.87	15.83	17.00
EDGE 2 Tx slots		21.81	21.92	21.79	23.00	15.81	15.92	15.79	17.00
EDGE 3 Tx slots		20.03	20.07	20.02	21.20	15.77	15.81	15.76	16.94
EDGE 4 Tx slots		18.88	18.87	18.87	20.00	15.88	15.87	15.87	17.00

Band		WCDMA II Ant 4 DSI 2			Tune-up Limit (dBm)	WCDMA IV Ant 4 DSI 2			Tune-up Limit (dBm)	WCDMA V Ant 4 DSI 2			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1652.4	1680	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	22.51	22.53	22.45	23.50	22.65	22.75	22.66	23.50	24.31	24.44	24.29	25.50
3GPP Rel 99	AMR 12.2Kbps	22.58	22.66	22.57	23.50	22.80	22.81	22.74	23.50	24.45	24.48	24.41	25.50
3GPP Rel 6	HSDPA Subtest-1	21.52	21.66	21.61	22.50	21.79	21.81	21.76	22.50	23.48	23.50	23.39	24.50
3GPP Rel 6	HSDPA Subtest-2	21.58	21.64	21.59	22.50	21.77	21.83	21.79	22.50	23.50	23.49	23.35	24.50
3GPP Rel 6	HSDPA Subtest-3	21.08	21.21	21.02	22.00	21.29	21.37	21.26	22.00	22.92	23.04	22.94	24.00
3GPP Rel 6	HSDPA Subtest-4	21.06	21.11	21.09	22.00	21.27	21.28	21.26	22.00	22.91	22.93	22.90	24.00
3GPP Rel 8	DC-HSDPA Subtest-1	21.60	21.62	21.56	22.50	21.85	21.76	21.79	22.50	23.40	23.48	23.44	24.50
3GPP Rel 8	DC-HSDPA Subtest-2	21.53	21.62	21.61	22.50	21.86	21.80	21.75	22.50	23.46	23.45	23.45	24.50
3GPP Rel 8	DC-HSDPA Subtest-3	21.04	21.22	21.02	22.00	21.27	21.37	21.24	22.00	23.00	22.94	22.87	24.00
3GPP Rel 8	DC-HSDPA Subtest-4	21.10	21.13	21.08	22.00	21.29	21.33	21.22	22.00	22.99	22.93	22.95	24.00
3GPP Rel 6	HSUPA Subtest-1	21.62	21.71	21.56	22.50	21.79	21.77	21.72	22.50	23.49	23.48	23.44	24.50
3GPP Rel 6	HSUPA Subtest-2	19.57	19.72	19.55	20.50	19.84	19.81	19.76	20.50	21.44	21.48	21.44	22.50
3GPP Rel 6	HSUPA Subtest-3	20.59	20.66	20.55	21.50	20.79	20.81	20.76	21.50	22.48	22.53	22.43	23.50
3GPP Rel 6	HSUPA Subtest-4	19.60	19.70	19.57	20.50	19.78	19.80	19.79	20.50	21.50	21.49	21.35	22.50
3GPP Rel 6	HSUPA Subtest-5	21.56	21.71	21.60	22.50	21.80	21.81	21.73	22.50	23.44	23.52	23.41	24.50
3GPP Rel 7	HSPA+ (HQCAM) Subtest-1	19.09	19.14	19.06	20.00	19.25	19.36	19.25	20.00	20.93	21.04	20.95	22.00

Band 7 Ant 3 DSI 2									
Band	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350	24.5	0	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	23.68	23.75	23.66	23.5	1	
20	QPSK	1	49	23.56	23.71	23.63			
20	QPSK	1	99	23.61	23.66	23.57			
20	QPSK	50	0	22.69	22.76	22.71			
20	QPSK	50	24	22.56	22.68	22.63	23.5	1	
20	QPSK	50	50	22.62	22.64	22.62			
20	QPSK	100	0	22.63	22.75	22.64			
20	16QAM	1	0	22.64	22.73	22.69			
20	16QAM	1	49	22.50	22.73	22.62	22.5	2	
20	16QAM	1	99	22.59	22.69	22.58			
20	16QAM	50	0	21.69	21.80	21.67			
20	16QAM	50	24	21.58	21.66	21.67			
20	16QAM	50	50	21.60	21.64	21.58	22.5	2	
20	16QAM	100	0	21.62	21.80	21.60			
20	64QAM	1	0	21.67	21.79	21.65			
20	64QAM	1	49	21.52	21.78	21.63			
20	64QAM	1	99	21.67	21.72	21.61	21.5	3	
20	64QAM	50	0	20.71	20.75	20.74			
20	64QAM	50	24	20.51	20.74	20.67			
20	64QAM	50	50	20.65	20.59	20.64			
20	64QAM	100	0	20.59	20.73	20.66	19.5	5	
20	256QAM	1	0	18.73	18.72	18.68			
20	256QAM	1	49	18.55	18.66	18.67			
20	256QAM	1	99	18.59	18.65	18.62			
20	256QAM	50	0	18.67	18.70	18.64	19.5	5	
20	256QAM	50	24	18.64	18.71	18.74			
20	256QAM	50	50	18.46	18.77	18.67			
20	256QAM	100	0	18.56	18.71	18.58			
Channel				20825	21100	21375	24.5	0	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	23.56	23.63	23.57	23.5	1	
15	QPSK	1	37	23.48	23.58	23.53			
15	QPSK	1	74	23.54	23.54	23.48			
15	QPSK	36	0	22.67	22.66	22.61			
15	QPSK	36	20	22.50	22.57	22.51	23.5	1	
15	QPSK	36	39	22.53	22.57	22.49			
15	QPSK	75	0	22.55	22.65	22.59			
15	16QAM	1	0	22.56	22.69	22.63			
15	16QAM	1	37	22.42	22.65	22.55	22.5	2	
15	16QAM	1	74	22.46	22.65	22.53			
15	16QAM	36	0	21.60	21.74	21.57			
15	16QAM	36	20	21.56	21.63	21.56			
15	16QAM	36	39	21.47	21.61	21.44	22.5	2	
15	16QAM	75	0	21.52	21.76	21.50			
15	64QAM	1	0	21.61	21.71	21.59			
15	64QAM	1	37	21.49	21.68	21.58			
15	64QAM	1	74	21.46	21.65	21.47	21.5	3	
15	64QAM	36	0	20.62	20.69	20.72			
15	64QAM	36	20	20.48	20.63	20.54			
15	64QAM	36	39	20.54	20.49	20.53			
15	64QAM	75	0	20.49	20.64	20.60	19.5	5	
15	256QAM	1	0	18.60	18.70	18.62			
15	256QAM	1	37	18.45	18.58	18.57			
15	256QAM	1	74	18.55	18.63	18.51			
15	256QAM	36	0	18.65	18.61	18.61	19.5	5	
15	256QAM	36	20	18.51	18.57	18.69			
15	256QAM	36	39	18.41	18.67	18.61			
15	256QAM	75	0	18.46	18.61	18.49			
Channel				20800	21100	21400	24.5	0	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	23.57	23.71	23.52	23.5	1	
10	QPSK	1	25	23.48	23.63	23.52			
10	QPSK	1	49	23.56	23.62	23.44			
10	QPSK	25	0	22.62	22.65	22.60			
10	QPSK	25	12	22.54	22.64	22.59	23.5	1	
10	QPSK	25	25	22.56	22.52	22.58			
10	QPSK	50	0	22.56	22.69	22.62			
10	16QAM	1	0	22.52	22.60	22.66			
10	16QAM	1	25	22.39	22.65	22.57	22.5	2	
10	16QAM	1	49	22.54	22.67	22.49			
10	16QAM	25	0	21.60	21.73	21.60			
10	16QAM	25	12	21.48	21.57	21.64			
10	16QAM	25	25	21.57	21.57	21.55	22.5	2	
10	16QAM	50	0	21.62	21.78	21.48			
10	64QAM	1	0	21.64	21.67	21.60			
10	64QAM	1	25	21.49	21.74	21.59			
10	64QAM	1	49	21.43	21.63	21.57	21.5	3	
10	64QAM	25	0	20.68	20.73	20.70			
10	64QAM	25	12	20.39	20.61	20.64			
10	64QAM	25	25	20.58	20.47	20.61			
10	256QAM	1	0	18.71	18.62	18.59	19.5	5	
10	256QAM	1	25	18.53	18.56	18.64			
10	256QAM	1	49	18.47	18.54	18.48			
10	256QAM	25	0	18.55	18.58	18.62			
10	256QAM	25	12	18.62	18.68	18.69	19.5	5	
10	256QAM	25	25	18.44	18.65	18.54			
10	256QAM	50	0	18.49	18.69	18.51			
Channel				20775	21100	21425	24.5	0	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	23.65	23.72	23.61	23.5	1	
5	QPSK	1	12	23.48	23.67	23.51			
5	QPSK	1	24	23.54	23.61	23.44			
5	QPSK	12	0	22.59	22.65	22.67			
5	QPSK	12	7	22.46	22.56	22.57	23.5	1	
5	QPSK	12	13	22.53	22.57	22.50			
5	QPSK	25	0	22.53	22.62	22.61			
5	16QAM	1	0	22.56	22.61	22.65			
5	16QAM	1	12	22.41	22.61	22.56	22.5	2	
5	16QAM	1	24	22.47	22.56	22.46			
5	16QAM	12	0	21.60	21.71	21.64			
5	16QAM	12	7	21.45	21.53	21.59			
5	16QAM	12	13	21.55	21.61	21.55	22.5	2	
5	16QAM	25	0	21.49	21.72	21.47			
5	64QAM	1	0	21.63	21.66	21.53			
5	64QAM	1	12	21.40	21.71	21.53			
5	64QAM	1	24	21.50	21.61	21.53	21.5	3	
5	64QAM	12	0	20.57	20.73	20.70			
5	64QAM	12	7	20.40	20.64	20.54			
5	64QAM	12	13	20.53	20.47	20.51			
5	256QAM	1	0	18.71	18.65	18.62	19.5	5	
5	256QAM	1	12	18.62	18.55	18.57			
5	256QAM	1	24	18.64	18.63	18.53			
5	256QAM	12	0	18.62	18.65	18.59			
5	256QAM	12	7	18.50	18.64	18.65	19.5	5	
5	256QAM	12	13	18.34	18.74	18.63			
5	256QAM	25	0	18.46	18.60	18.47			



Band 2 Ant 4 DSI 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Turn-up (dBm)	MPE (dB)	
Channel	Frequency (MHz)	1800	1800	1800	1800	1800	1800	1800	1800	
20	QPSK	1	0	22.08	22.13	21.97				
20	QPSK	1	66	22.03	22.13	21.83				
20	QPSK	1	99	22.03	22.13	21.97				
20	QPSK	50	0	21.96	21.98	21.92				
20	QPSK	50	24	21.94	21.98	21.94				
20	QPSK	50	50	21.92	21.98	21.97				
20	QPSK	100	0	21.95	21.97	21.95				
20	QPSK	1	49	21.10	21.11	20.97				
20	QPSK	1	99	21.07	21.08	20.87				
20	QPSK	1	99	20.92	20.98	19.97				
20	QPSK	50	24	19.99	19.98	19.95				
20	QPSK	50	50	19.98	19.98	19.93				
20	QPSK	100	0	19.99	19.98	19.95				
20	QPSK	1	0	20.96	20.94	19.95				
20	QPSK	1	49	20.11	20.12	19.98				
20	QPSK	1	99	20.02	20.05	19.98				
20	QPSK	50	0	19.99	19.98	19.92				
20	QPSK	50	24	19.92	19.96	19.87				
20	QPSK	50	50	19.99	19.91	19.96				
20	QPSK	100	0	19.99	19.97	19.99				
20	QPSK	1	0	17.05	17.07	16.95				
20	QPSK	1	49	16.99	17.07	16.96				
20	QPSK	50	0	16.99	16.98	16.95				
20	QPSK	50	24	16.92	16.96	16.87				
20	QPSK	50	50	16.99	16.91	16.96				
20	QPSK	100	0	16.99	16.97	16.99				
20	QPSK	1	0	15.02	15.03	14.92				
20	QPSK	1	49	14.96	15.02	14.92				
20	QPSK	50	0	14.99	14.98	14.95				
20	QPSK	50	24	14.92	14.96	14.87				
20	QPSK	50	50	14.99	14.91	14.96				
20	QPSK	100	0	14.99	14.97	14.99				
20	QPSK	1	0	12.05	12.06	11.95				
20	QPSK	1	49	11.99	12.07	11.96				
20	QPSK	50	0	11.99	11.98	11.95				
20	QPSK	50	24	11.92	11.96	11.87				
20	QPSK	50	50	11.99	11.91	11.96				
20	QPSK	100	0	11.99	11.97	11.99				
20	QPSK	1	0	9.02	9.03	8.92				
20	QPSK	1	49	8.96	9.02	8.92				
20	QPSK	50	0	8.99	8.98	8.95				
20	QPSK	50	24	8.92	8.96	8.87				
20	QPSK	50	50	8.99	8.91	8.96				
20	QPSK	100	0	8.99	8.97	8.99				
20	QPSK	1	0	7.05	7.06	6.95				
20	QPSK	1	49	6.99	7.07	6.96				
20	QPSK	50	0	6.99	6.98	6.95				
20	QPSK	50	24	6.92	6.96	6.87				
20	QPSK	50	50	6.99	6.91	6.96				
20	QPSK	100	0	6.99	6.97	6.99				
20	QPSK	1	0	4.02	4.03	3.92				
20	QPSK	1	49	3.96	4.02	3.92				
20	QPSK	50	0	3.99	3.98	3.95				
20	QPSK	50	24	3.92	3.96	3.87				
20	QPSK	50	50	3.99	3.91	3.96				
20	QPSK	100	0	3.99	3.97	3.99				
20	QPSK	1	0	2.05	2.06	1.95				
20	QPSK	1	49	1.99	2.07	1.96				
20	QPSK	50	0	1.99	1.98	1.95				
20	QPSK	50	24	1.92	1.96	1.87				
20	QPSK	50	50	1.99	1.91	1.96				
20	QPSK	100	0	1.99	1.97	1.99				
20	QPSK	1	0	0.02	0.03	-0.08				
20	QPSK	1	49	-0.04	0.02	-0.08				
20	QPSK	50	0	-0.04	-0.02	-0.05				
20	QPSK	50	24	-0.11	-0.07	-0.12				
20	QPSK	50	50	-0.04	-0.06	-0.09				
20	QPSK	100	0	-0.04	-0.02	-0.05				
20	QPSK	1	0	-2.05	-2.06	-2.15				
20	QPSK	1	49	-2.09	-2.07	-2.12				
20	QPSK	50	0	-2.09	-2.08	-2.05				
20	QPSK	50	24	-2.16	-2.12	-2.17				
20	QPSK	50	50	-2.09	-2.01	-2.06				
20	QPSK	100	0	-2.09	-2.07	-2.09				
20	QPSK	1	0	-4.02	-4.03	-4.12				
20	QPSK	1	49	-4.06	-4.02	-4.07				
20	QPSK	50	0	-4.09	-4.08	-4.05				
20	QPSK	50	24	-4.16	-4.12	-4.17				
20	QPSK	50	50	-4.09	-4.01	-4.06				
20	QPSK	100	0	-4.09	-4.07	-4.09				
20	QPSK	1	0	-6.02	-6.03	-6.12				
20	QPSK	1	49	-6.06	-6.02	-6.07				
20	QPSK	50	0	-6.09	-6.08	-6.05				
20	QPSK	50	24	-6.16	-6.12	-6.17				
20	QPSK	50	50	-6.09	-6.01	-6.06				
20	QPSK	100	0	-6.09	-6.07	-6.09				
20	QPSK	1	0	-8.02	-8.03	-8.12				
20	QPSK	1	49	-8.06	-8.02	-8.07				
20	QPSK	50	0	-8.09	-8.08	-8.05				
20	QPSK	50	24	-8.16	-8.12	-8.17				
20	QPSK	50	50	-8.09	-8.01	-8.06				
20	QPSK	100	0	-8.09	-8.07	-8.09				
20	QPSK	1	0	-10.02	-10.03	-10.12				
20	QPSK	1	49	-10.06	-10.02	-10.07				
20	QPSK	50	0	-10.09	-10.08	-10.05				
20	QPSK	50	24	-10.16	-10.12	-10.17				
20	QPSK	50	50	-10.09	-10.01	-10.06				
20	QPSK	100	0	-10.09	-10.07	-10.09				
20	QPSK	1	0	-12.02	-12.03	-12.12				
20	QPSK	1	49	-12.06	-12.02	-12.07				
20	QPSK	50	0	-12.09	-12.08	-12.05				
20	QPSK	50	24	-12.16	-12.12	-12.17				
20	QPSK	50	50	-12.09	-12.01	-12.06				
20	QPSK	100	0	-12.09	-12.07	-12.09				
20	QPSK	1	0	-14.02	-14.03	-14.12				
20	QPSK	1	49	-14.06	-14.02	-14.07				
20	QPSK	50	0	-14.09	-14.08	-14.05				
20	QPSK	50	24	-14.16	-14.12	-14.17				
20	QPSK	50	50	-14.09	-14.01	-14.06				
20	QPSK	100	0	-14.09	-14.07	-14.09				
20	QPSK	1	0	-16.02	-16.03	-16.12				
20	QPSK	1	49	-16.06	-16.02	-16.07				
20	QPSK	50	0	-16.09	-16.08	-16.05				
20	QPSK	50	24	-16.16	-16.12	-16.17				
20	QPSK	50	50	-16.09	-16.01	-16.06				
20	QPSK	100	0	-16.09	-16.07	-16.09				
20	QPSK	1	0	-18.02	-18.03	-18.12				
20	QPSK	1	49	-18.06	-18.02	-18.07				
20	QPSK	50	0	-18.09	-18.08	-18.05				
20	QPSK	50	24	-18.16	-18.12	-18.17				
20	QPSK	50	50	-18.09	-18.01	-18.06				
20	QPSK	100	0	-18.09	-18.07	-18.09				
20	QPSK	1	0	-20.02	-20.03	-20.12				
20	QPSK	1	49	-20.06	-20.02	-20.07				
20	QPSK	50	0	-20.09	-20.08	-20.05				
20	QPSK	50	24	-20.16	-20.12	-20.17				
20	QPSK	50	50	-20.09	-20.01	-20.06				
20	QPSK	100	0	-20.09	-20.07	-20.09				
20	QPSK	1	0	-22.02	-22.03	-22.12				
20	QPSK	1	49	-22.06	-22.02	-22.07				
20	QPSK	50	0	-22.09	-22.08	-22.05				
20	QPSK	50	24	-22.16	-22.12	-22.17				
20	QPSK	50	50	-22.09	-22.01	-22.06				
20	QPSK	100	0	-22.09	-22.07	-22.09				
20	QPSK	1	0	-24.02	-24.03	-24.12				
20	QPSK	1	49	-24.06	-24.02	-24.07				
20	QPSK	50	0	-24.09	-24.08	-24.05				
20	QPSK	50	24	-24.16	-24.12	-24.17				
20	QPSK	50	50	-24.09	-24.01	-24.06				
20	QPSK	100	0	-24.09	-24.07	-24.09				
20	QPSK	1	0	-26.02	-26.03	-26.12				
20	QPSK	1	49	-26.06	-26.02	-26.07				
20	QPSK	50	0	-26.09	-26.08	-26.05				
20	QPSK	50	24	-26.16	-26.12	-26.17				
20	QPSK	50	50	-26.09	-26.01	-26.06				
20	QPSK	100	0	-26.09	-26.07	-26.09				
20	QPSK	1	0	-28.02	-28.03	-28.12				
20	QPSK	1	49	-28.06	-28.02	-28.07				
20	QPSK	50	0	-28.09	-28.08	-28.05				
20	QPSK	50	24	-28.16	-28.12	-28.17				
20	QPSK	50	50	-28.09	-28.01	-28.06				
20	QPSK	100	0	-28.09	-28.07	-28.09				
20	QPSK	1	0	-30.02	-30.03	-30.12				
20	QPSK	1	49	-30.06	-30.02	-30.07				
20	QPSK	50	0	-30						

Band 12 Ant 4 DSI 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Med Ch / Freq.	Power High Ch / Freq.	Tune-up Int. (dB)	MPE (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	24.41	24.35	24.37			25.5	0
10	QPSK	1	25	24.35	24.34	24.36				
10	QPSK	25	12	23.40	23.49	23.32			24.5	1
10	QPSK	25	0	23.43	23.53	23.34				
10	QPSK	50	0	23.35	23.51	23.29			24.5	1
10	16QAM	1	25	23.43	23.51	23.33				
10	16QAM	1	25	23.39	23.54	23.30			23.5	2
10	16QAM	1	49	23.28	23.51	23.27				
10	16QAM	50	0	22.32	22.56	22.34			23.5	2
10	64QAM	1	25	22.38	22.50	22.27				
10	64QAM	1	49	22.28	22.52	22.38			22.5	3
10	64QAM	25	12	22.42	22.58	22.38				
10	64QAM	25	25	21.40	21.47	21.33			20.5	5
10	64QAM	50	0	21.38	21.57	21.32				
10	256QAM	1	0	19.45	19.59	19.39			20.5	5
10	256QAM	1	25	19.32	19.55	19.29				
10	256QAM	1	49	19.33	19.54	19.26			20.5	5
10	256QAM	25	12	19.43	19.48	19.37				
10	256QAM	25	25	19.31	19.46	19.19			20.5	5
10	256QAM	50	0	19.39	19.52	19.33				
Channel										
Frequency (MHz)										
5	QPSK	1	0	24.36	24.34	24.27			25.5	0
5	QPSK	1	24	24.37	24.31	24.19				
5	QPSK	12	0	23.37	23.51	23.29			24.5	1
5	QPSK	12	7	23.33	23.42	23.30				
5	QPSK	12	13	23.28	23.41	23.23			24.5	1
5	QPSK	25	0	23.39	23.49	23.28				
5	16QAM	1	24	23.42	23.41	23.22			24.5	1
5	16QAM	1	12	23.39	23.47	23.24				
5	16QAM	12	0	22.40	22.52	22.35			23.5	2
5	16QAM	12	7	22.37	22.47	22.35				
5	16QAM	25	0	22.23	22.46	22.30			23.5	2
5	16QAM	25	0	22.38	22.46	22.37				
5	64QAM	1	0	22.38	22.46	22.37			22.5	3
5	64QAM	1	24	22.17	22.47	22.31				
5	64QAM	12	7	21.31	21.38	21.28			22.5	3
5	64QAM	12	0	21.27	22.07	22.18				
5	64QAM	25	13	21.24	21.44	21.10			20.5	5
5	64QAM	25	0	21.34	21.46	21.31				
5	256QAM	1	0	19.45	19.50	19.29			20.5	5
5	256QAM	1	12	19.22	19.49	19.22				
5	256QAM	1	24	19.24	19.49	19.18			20.5	5
5	256QAM	12	0	19.31	19.51	19.25				
5	256QAM	12	7	19.42	19.41	19.30			20.5	5
5	256QAM	12	13	19.31	19.37	19.08				
5	256QAM	25	0	19.35	19.48	19.28				
Channel										
Frequency (MHz)										
3	QPSK	1	0	24.32	24.33	24.31			25.5	0
3	QPSK	1	8	24.33	24.42	24.16				
3	QPSK	1	14	24.23	24.33	24.22			24.5	1
3	QPSK	8	0	23.38	23.43	23.28				
3	QPSK	8	4	23.34	23.42	23.23			24.5	1
3	QPSK	8	7	23.24	23.41	23.14				
3	16QAM	1	8	23.31	23.50	23.17			24.5	1
3	16QAM	1	8	23.40	23.50	23.25				
3	16QAM	8	0	22.30	22.49	22.26			23.5	2
3	16QAM	8	4	22.33	22.51	22.30				
3	16QAM	8	7	22.30	22.37	22.26			23.5	2
3	64QAM	1	0	22.31	22.51	22.27				
3	64QAM	1	8	22.35	22.47	22.42			23.5	2
3	64QAM	1	14	22.22	22.49	22.27				
3	64QAM	8	0	21.37	21.46	21.37			22.5	3
3	64QAM	8	4	21.30	21.43	21.23				
3	64QAM	8	7	21.22	21.45	21.08			20.5	5
3	64QAM	15	0	21.28	21.48	21.27				
3	256QAM	1	0	19.43	19.55	19.33			20.5	5
3	256QAM	1	8	19.32	19.52	19.18				
3	256QAM	1	14	19.31	19.43	19.25			20.5	5
3	256QAM	8	0	19.33	19.46	19.26				
3	256QAM	8	4	19.40	19.46	19.26			20.5	5
3	256QAM	8	7	19.25	19.46	19.12				
3	256QAM	15	0	19.30	19.46	19.25				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	24.32	24.33	24.31			25.5	0
1.4	QPSK	1	5	24.33	24.46	24.21				
1.4	QPSK	3	0	24.33	24.43	24.38			24.5	1
1.4	QPSK	3	1	24.27	24.49	24.15				
1.4	QPSK	3	3	24.34	24.48	24.22			24.5	1
1.4	16QAM	1	0	23.38	23.53	23.29				
1.4	16QAM	1	3	23.38	23.50	23.27			24.5	1
1.4	16QAM	3	0	23.28	23.40	23.22				
1.4	16QAM	3	1	23.31	23.48	23.19			23.5	2
1.4	16QAM	3	0	23.42	23.46	23.30				
1.4	16QAM	6	0	22.44	22.52	22.27			23.5	2
1.4	64QAM	1	0	22.32	22.54	22.34				
1.4	64QAM	1	5	22.30	22.43	22.20			23.5	2
1.4	64QAM	1	5	22.23	22.50	22.28				
1.4	64QAM	3	0	22.41	22.49	22.38			22.5	3
1.4	64QAM	3	0	22.28	22.48	22.21				
1.4	64QAM	3	3	22.23	22.48	22.32			22.5	3
1.4	64QAM	6	0	21.39	21.54	21.21				
1.4	256QAM	1	0	19.40	19.50	19.33			20.5	5
1.4	256QAM	1	3	19.28	19.53	19.28				
1.4	256QAM	1	5	19.21	19.51	19.19			20.5	5
1.4	256QAM	3	0	19.30	19.45	19.35				
1.4	256QAM	3	1	19.40	19.45	19.28			20.5	5
1.4	256QAM	3	0	19.28	19.44	19.07				
1.4	256QAM	6	0	19.38	19.40	19.24				

Band 13 Ant 4 DSI 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq. (dBm)	Power Med Ch / Freq. (dBm)	Power High Ch / Freq. (dBm)	Tune-up Int. (dB)	MPE (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	24.50			25.5	0		
10	QPSK	1	25	24.46						
10	QPSK	1	49	24.47	24.39		24.5	1		
10	QPSK	25	0	23.54						
10	QPSK	25	12	23.46			24.5	1		
10	QPSK	25	25	23.48						
10	QPSK	50	0	23.51			24.5	1		
10	16QAM	1	25	23.54						
10	16QAM	1	49	23.52			23.5	2		
10	16QAM	25	0	22.53						
10	16QAM	25	12	22.48			23.5	2		
10	16QAM	25	25	22.49						
10	16QAM	50	0	22.48			23.5	2		
10	64QAM	1	25	22.49						
10	64QAM	1	49	22.47			23.5	2		
10	64QAM	25	0	21.52						
10	64QAM	25	12	21.48			22.5	3		
10	64QAM	25	25	21.45						
10	64QAM	50	0	21.51			22.5	3		
10	256QAM	1	25	19.50						
10	256QAM	1	25	19.48			20.5	5		
10	256QAM	1	19.48	19.50						
10	256QAM	25	12	19.53			20.5	5		
10	256QAM	25	12	19.50						
10	256QAM	50	0	19.50			20.5	5		
10	256QAM	50	0	19.48						
Channel										
Frequency (MHz)										
5	QPSK	1	0	24.00	23.26	23.05	24.5	MPE (dB)		
5	QPSK	1	24	24.00	24.48	24.41				
5	QPSK	1	24	24.37	24.37	24.35	25.0	0		
5	QPSK	12	0	24.44	24.41	24.39				
5	QPSK	12	0	23.48	23.46	23.42	24.5	1		
5	QPSK	12	7	23.36	23.45	23.40				
5	QPSK	12	13	23.38	23.38	23.45	24.5	1		
5	QPSK	25	0	23.41	23.42	23.43				
5	16QAM	1	0	23.51	23.48	23.46	23.5	2		
5	16QAM	1	12	23.43	23.40	23.47				
5	16QAM	12	0	22.51	22.49	22.50	23.5	2		
5	16QAM	12	7	22.40	22.42	22.35				
5	16QAM	12	13	22.48	22.48	22.42	23.5	2		
5	16QAM	25	0	22.42	22.37	22.40				
5	64QAM	1	0	22.47	22.44	22.43	22.5	2		
5	64QAM	1	12	22.38	22.39	22.35				
5	64QAM	1	24	22.39	22.35	22.46	22.5	3		
5	64QAM	12	0	21.51	21.47	21.47				
5	64QAM	12	0	21.40	21.46	21.48	22.5	3		
5	64QAM	12	13	21.42	21.43	21.39				
5	64QAM	25	0	21.49	21.46	21.47	20.5	5		
5	256QAM	1	0	19.45	19.50	19.54				
5	256QAM	1	12	19.38	19.37	19.47	20.5	5		
5	256QAM	1	24	19.47	19.47	19.45				
5	256QAM	12	0	19.48	19.56	19.58	20.5	5		
5	256QAM	12	7	19.45	19.51	19.50				
5	256QAM	12	13	19.45	19.54	19.54	20.5	5		
5	256QAM	25	0	19.58	19.50	19.52				

Band 66 Ant 4 DSI 2														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq (dBm)	Power Mid Ch / Freq (dBm)	Power High Ch / Freq (dBm)	Turn-up (dB)	MPE (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	22.58	22.69	22.37	23.5	0	23	0.5				
20	QPSK	1	49	22.48	22.64	22.35								
20	QPSK	1	99	22.41	22.61	22.31								
20	QPSK	50	0	22.58	22.23	21.85	23	0.5			23	0.5		
20	QPSK	50	24	21.97	22.09	21.61								
20	QPSK	50	50	21.93	22.14	21.65								
20	QPSK	100	0	22.12	22.21	21.62	23	0.5	23	0.5				
20	HQDM	1	0	22.00	22.17	21.71								
20	HQDM	1	49	21.89	21.99	21.59								
20	HQDM	1	99	21.81	22.09	21.75	22	1.5			22	1.5		
20	HQDM	50	0	21.12	21.18	20.99								
20	HQDM	50	24	21.01	21.12	20.99								
20	HQDM	50	50	20.92	21.18	20.91	21	2.5	21	2.5				
20	HQDM	100	0	21.13	21.19	20.92								
20	SAQDM	1	0	21.05	21.17	20.75								
20	SAQDM	1	49	20.88	20.98	20.86	22	1.5			22	1.5		
20	SAQDM	1	99	20.78	21.13	20.89								
20	SAQDM	50	0	20.07	20.19	19.85								
20	SAQDM	50	24	20.03	20.07	19.98	21	2.5	21	2.5				
20	SAQDM	50	50	19.99	20.18	19.98								
20	SAQDM	100	0	20.18	20.12	19.79								
20	SSQDM	1	0	18.04	18.16	17.68	19	4.5			19	4.5		
20	SSQDM	1	49	18.03	18.13	17.82								
20	SSQDM	1	99	17.94	18.09	17.82								
20	SSQDM	50	0	18.07	18.13	17.79	19	4.5	19	4.5				
20	SSQDM	50	24	18.01	18.19	17.75								
20	SSQDM	50	50	17.94	18.02	17.82								
20	SSQDM	100	0	17.76	18.10	17.71	Channel	135047	135322	135697				
Channel														
Frequency (MHz)														
15	QPSK	1	0	22.54	22.58	22.24	23.5	0	23	0.5				
15	QPSK	1	37	22.41	22.60	22.54								
15	QPSK	1	74	22.35	22.57	22.28								
15	QPSK	36	0	21.89	22.21	21.71	23	0.5			23	0.5		
15	QPSK	36	20	21.83	22.04	21.84								
15	QPSK	36	39	21.87	22.01	21.76								
15	QPSK	75	0	22.09	22.19	21.78	23	0.5	23	0.5				
15	HQDM	1	0	21.88	22.14	21.68								
15	HQDM	1	37	21.89	21.91	21.78								
15	HQDM	1	74	21.72	21.97	21.68	22	1.5			22	1.5		
15	HQDM	36	0	21.09	21.05	20.73								
15	HQDM	36	20	20.91	20.98	20.78								
15	HQDM	36	39	20.87	21.13	20.74	21	2.5	21	2.5				
15	HQDM	75	0	21.09	21.13	20.75								
15	SAQDM	1	0	20.97	21.10	20.68								
15	SAQDM	1	37	20.77	20.98	20.61	21	2.5			21	2.5		
15	SAQDM	1	74	20.71	21.01	20.71								
15	SAQDM	36	0	20.04	20.11	19.81								
15	SAQDM	36	20	19.98	20.04	19.88	19	4.5	19	4.5				
15	SAQDM	36	39	19.84	20.07	19.85								
15	SAQDM	75	0	20.06	20.15	19.68								
15	SSQDM	1	0	18.01	18.16	17.65	19	4.5			19	4.5		
15	SSQDM	1	37	18.00	18.05	17.85								
15	SSQDM	1	74	17.85	18.01	17.71								
15	SSQDM	36	0	17.04	18.15	17.75	19	4.5	19	4.5				
15	SSQDM	36	20	17.95	18.15	17.74								
15	SSQDM	36	39	17.84	17.89	17.81								
15	SSQDM	75	0	17.65	18.04	17.67	Channel	135022	135322	135697				
Channel														
Frequency (MHz)														
10	QPSK	1	0	22.44	22.59	22.28	23.5	0	23	0.5				
10	QPSK	1	25	22.41	22.52	22.23								
10	QPSK	1	49	22.30	22.56	22.17								
10	QPSK	25	0	21.99	22.20	21.73	23	0.5			23	0.5		
10	QPSK	25	12	21.93	22.05	21.77								
10	QPSK	25	25	21.83	22.08	21.78								
10	QPSK	50	0	22.02	22.10	21.71	23	0.5	23	0.5				
10	HQDM	1	0	21.93	22.04	21.68								
10	HQDM	1	25	21.78	21.96	21.75								
10	HQDM	1	49	21.73	21.95	21.68	22	1.5			22	1.5		
10	HQDM	25	0	21.09	21.02	20.73								
10	HQDM	25	12	20.89	21.08	20.88								
10	HQDM	25	25	20.85	21.08	20.69	21	2.5	21	2.5				
10	HQDM	50	0	21.09	21.08	20.78								
10	SAQDM	1	0	20.97	21.13	20.65								
10	SAQDM	1	25	20.78	20.83	20.61	21	2.5			21	2.5		
10	SAQDM	1	49	20.72	21.04	20.78								
10	SAQDM	25	0	20.03	20.07	19.78								
10	SAQDM	25	12	19.99	20.02	19.80	19	4.5	19	4.5				
10	SAQDM	25	25	19.82	20.08	19.79								
10	SAQDM	50	0	20.02	20.12	19.69								
10	SSQDM	1	0	17.83	18.14	17.65	19	4.5	19	4.5				
10	SSQDM	1	25	17.93	18.08	17.82								
10	SSQDM	1	49	17.82	18.05	17.75								
10	SSQDM	25	0	18.01	18.02	17.67	19	4.5	19	4.5				
10	SSQDM	25	12	17.96	18.12	17.67								
10	SSQDM	25	25	17.85	17.89	17.84								
10	SSQDM	50	0	17.73	18.00	17.63	Channel	131997	132322	132697				
Channel														
Frequency (MHz)														
5	QPSK	1	0	22.40	22.54	22.24	23.5	0	23	0.5				
5	QPSK	1	12	22.40	22.60	22.23								
5	QPSK	1	24	22.29	22.59	22.26								
5	QPSK	12	0	22.00	22.11	21.78	23	0.5			23	0.5		
5	QPSK	12	7	21.91	22.03	21.89								
5	QPSK	12	13	21.85	22.08	21.71								
5	QPSK	26	0	22.03	22.19	21.78	23	0.5	23	0.5				
5	HQDM	1	0	21.90	22.04	21.68								
5	HQDM	1	12	21.78	21.88	21.78								
5	HQDM	1	24	21.73	22.04	21.72	22	1.5			22	1.5		
5	HQDM	12	0	21.05	21.02	20.78								
5	HQDM	12	7	20.91	21.91	20.86								
5	HQDM	12	13	20.84	21.12	20.71	21	2.5	21	2.5				
5	HQDM	26	0	21.06	21.05	20.69								
5	HQDM	1	0	20.97	21.10	20.71								
5	HQDM	1	12	20.77	20.84	20.65	21	2.5			21	2.5		
5	HQDM	1	24	20.74	21.06	20.68								
5	HQDM	12	0	20.04	20.08	19.78								
5	HQDM	12	7	19.97	19.99	19.85	19	4.5	19	4.5				
5	HQDM	12	13	19.77	20.07	19.75								
5	HQDM	26	0	20.11	20.11	19.88								
5	SSQDM	1	0	17.82	18.02	17.81	19	4.5	19	4.5				
5	SSQDM	1	12	17.84	18.00	17.82								

Band 38 Ant 1 DSI 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	23.49	23.51	23.47	24.5	0	
20	QPSK	1	49	23.47	23.50	23.42			
20	QPSK	1	99	23.46	23.49	23.44			
20	QPSK	50	0	22.53	22.49	22.42	23.5	1	
20	QPSK	50	24	22.48	22.47	22.46			
20	QPSK	50	50	22.41	22.49	22.39			
20	QPSK	100	0	22.44	22.45	22.39	23.5	1	
20	16QAM	1	0	22.44	22.50	22.44			
20	16QAM	1	49	22.48	22.45	22.46			
20	16QAM	1	99	22.49	22.46	22.48	22.5	2	
20	16QAM	50	0	21.48	21.49	21.42			
20	16QAM	50	24	21.45	21.47	21.43			
20	16QAM	50	50	21.36	21.54	21.36	21.5	3	
20	16QAM	100	0	21.49	21.42	21.37			
20	64QAM	1	0	21.44	21.51	21.52			
20	64QAM	1	49	21.48	21.50	21.36	19.5	5	
20	64QAM	1	99	21.48	21.45	21.41			
20	64QAM	50	0	20.49	20.53	20.47			
20	64QAM	50	24	20.49	20.42	20.51	19.5	5	
20	64QAM	50	50	20.40	20.44	20.35			
20	64QAM	100	0	20.45	20.51	20.42			
20	256QAM	1	0	18.48	18.49	18.52	19.5	5	
20	256QAM	1	49	18.45	18.47	18.42			
20	256QAM	1	99	18.51	18.53	18.40			
20	256QAM	50	0	18.50	18.52	18.48	19.5	5	
20	256QAM	50	24	18.46	18.48	18.47			
20	256QAM	50	50	18.43	18.47	18.43			
20	256QAM	100	0	18.45	18.49	18.33	Tune-up limit (dBm)	MPR (dB)	
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	23.44	23.49	23.43	24.5	0	
15	QPSK	1	37	23.45	23.48	23.42			
15	QPSK	1	74	23.34	23.41	23.38			
15	QPSK	36	0	22.41	22.48	22.39	23.5	1	
15	QPSK	36	20	22.48	22.43	22.45			
15	QPSK	36	39	22.31	22.45	22.30			
15	QPSK	75	0	22.34	22.43	22.35	23.5	1	
15	16QAM	1	0	22.38	22.45	22.42			
15	16QAM	1	37	22.37	22.45	22.43			
15	16QAM	1	74	22.40	22.43	22.46	22.5	2	
15	16QAM	36	0	21.48	21.37	21.33			
15	16QAM	36	20	21.34	21.37	21.36			
15	16QAM	36	39	21.34	21.49	21.28	22.5	2	
15	16QAM	75	0	21.45	21.32	21.30			
15	64QAM	1	0	21.43	21.41	21.50			
15	64QAM	1	37	21.42	21.40	21.26	21.5	3	
15	64QAM	1	74	21.44	21.42	21.32			
15	64QAM	36	0	20.48	20.44	20.47			
15	64QAM	36	20	20.39	20.39	20.48	19.5	5	
15	64QAM	36	39	20.40	20.39	20.34			
15	64QAM	75	0	20.45	20.42	20.40			
15	256QAM	1	0	18.43	18.38	18.45	19.5	5	
15	256QAM	1	37	18.43	18.42	18.39			
15	256QAM	1	74	18.41	18.48	18.32			
15	256QAM	36	0	18.47	18.43	18.46	19.5	5	
15	256QAM	36	20	18.44	18.39	18.40			
15	256QAM	36	39	18.34	18.35	18.37			
15	256QAM	75	0	18.42	18.48	18.23	Tune-up limit (dBm)	MPR (dB)	
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	23.48	23.48	23.45	24.5	0	
10	QPSK	1	25	23.36	23.41	23.40			
10	QPSK	1	49	23.38	23.39	23.34			
10	QPSK	25	0	22.41	22.38	22.31	23.5	1	
10	QPSK	25	12	22.37	22.41	22.35			
10	QPSK	25	25	22.35	22.46	22.45			
10	QPSK	50	0	22.44	22.36	22.27	23.5	1	
10	16QAM	1	0	22.36	22.45	22.39			
10	16QAM	1	25	22.38	22.42	22.35			
10	16QAM	1	49	22.39	22.38	22.37	22.5	2	
10	16QAM	25	0	21.38	21.40	21.34			
10	16QAM	25	12	21.37	21.41	21.40			
10	16QAM	25	25	21.33	21.44	21.34	21.5	3	
10	16QAM	50	0	21.44	21.39	21.28			
10	64QAM	1	0	21.35	21.46	21.43			
10	64QAM	1	25	21.47	21.46	21.28	19.5	5	
10	64QAM	1	49	21.37	21.37	21.34			
10	64QAM	25	0	20.42	20.51	20.41			
10	64QAM	25	12	20.38	20.36	20.48	19.5	5	
10	64QAM	25	25	20.35	20.42	20.27			
10	64QAM	50	0	20.38	20.48	20.35			
10	256QAM	1	0	18.43	18.40	18.41	19.5	5	
10	256QAM	1	25	18.44	18.46	18.38			
10	256QAM	1	49	18.42	18.50	18.32			
10	256QAM	25	0	18.41	18.48	18.36	19.5	5	
10	256QAM	25	12	18.43	18.47	18.44			
10	256QAM	25	25	18.41	18.45	18.41			
10	256QAM	50	0	18.44	18.44	18.25	Tune-up limit (dBm)	MPR (dB)	
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	23.42	23.48	23.41	24.5	0	
5	QPSK	1	12	23.38	23.41	23.35			
5	QPSK	1	24	23.45	23.42	23.42			
5	QPSK	12	0	22.44	22.46	22.40	23.5	1	
5	QPSK	12	7	22.39	22.43	22.45			
5	QPSK	12	13	22.41	22.41	22.30			
5	QPSK	25	0	22.37	22.35	22.30	23.5	1	
5	16QAM	1	0	22.41	22.45	22.43			
5	16QAM	1	12	22.46	22.36	22.39			
5	16QAM	1	24	22.40	22.35	22.41	22.5	2	
5	16QAM	12	0	21.48	21.40	21.30			
5	16QAM	12	7	21.40	21.41	21.43			
5	16QAM	12	13	21.29	21.53	21.33	22.5	2	
5	16QAM	25	0	21.44	21.31	21.31			
5	64QAM	1	0	21.42	21.46	21.49			
5	64QAM	1	12	21.38	21.42	21.26	21.5	3	
5	64QAM	1	24	21.39	21.35	21.41			
5	64QAM	12	0	20.40	20.42	20.44			
5	64QAM	12	7	20.43	20.41	20.48	19.5	5	
5	64QAM	12	13	20.38	20.37	20.34			
5	64QAM	25	0	20.35	20.41	20.33			
5	256QAM	1	0	18.39	18.39	18.41	19.5	5	
5	256QAM	1	12	18.44	18.42	18.30			
5	256QAM	1	24	18.47	18.49	18.39			
5	256QAM	12	0	18.45	18.43	18.44	19.5	5	
5	256QAM	12	7	18.45	18.45	18.40			
5	256QAM	12	13	18.40	18.39	18.39			
5	256QAM	25	0	18.39	18.46	18.23	Tune-up limit (dBm)	MPR (dB)	

Band 41 Ant 1 DSI 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.44	23.56	23.60	23.55	23.54	24.5	0
20	QPSK	1	49	23.42	23.47	23.56	23.46	23.53		
20	QPSK	1	99	23.40	23.46	23.54	23.47	23.49		
20	QPSK	50	0	22.40	22.43	22.54	22.42	22.47	23.5	1
20	QPSK	50	24	22.37	22.49	22.53	22.44	22.48		
20	QPSK	50	50	22.36	22.42	22.46	22.34	22.37		
20	QPSK	100	0	22.32	22.41	22.49	22.35	22.41	23.5	1
20	16QAM	1	0	22.49	22.57	22.59	22.56	22.57		
20	16QAM	1	49	22.44	22.41	22.51	22.49	22.55		
20	16QAM	1	99	22.44	22.49	22.59	22.48	22.46	22.5	2
20	16QAM	50	0	21.38	21.48	21.53	21.44	21.44		
20	16QAM	50	24	21.35	21.50	21.58	21.38	21.51		
20	16QAM	50	50	21.36	21.37	21.46	21.32	21.31	22.5	2
20	16QAM	100	0	21.28	21.39	21.53	21.39	21.42		
20	16QAM	1	0	21.43	21.53	21.58	21.51	21.51		
20	64QAM	1	49	21.45	21.45	21.55	21.40	21.49	22.5	2
20	64QAM	1	99	21.38	21.50	21.53	21.45	21.54		
20	64QAM	50	0	20.43	20.47	20.55	20.38	20.43		
20	64QAM	50	24	20.39	20.47	20.58	20.48	20.46	21.5	3
20	64QAM	50	50	20.36	20.46	20.43	20.29	20.38		
20	64QAM	100	0	20.31	20.44	20.51	20.32	20.43		
20	256QAM	1	0	18.41	18.52	18.58	18.57	18.49	19.5	5
20	256QAM	1	49	18.44	18.44	18.58	18.40	18.55		
20	256QAM	1	99	18.44	18.48	18.50	18.44	18.49		
20	256QAM	50	0	18.39	18.41	18.52	18.47	18.47	19.5	5
20	256QAM	50	24	18.36	18.53	18.53	18.45	18.43		
20	256QAM	50	50	18.36	18.39	18.41	18.28	18.32		
20	256QAM	100	0	18.31	18.45	18.47	18.31	18.39		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	23.35	23.49	23.55	23.52	23.49	24.50	0
15	QPSK	1	37	23.35	23.42	23.48	23.36	23.46		
15	QPSK	1	74	23.34	23.42	23.54	23.46	23.46		
15	QPSK	36	0	22.32	22.39	22.53	22.34	22.44	23.5	1
15	QPSK	36	20	22.32	22.48	22.44	22.33	22.38		
15	QPSK	36	39	22.32	22.38	22.44	22.33	22.34		
15	QPSK	75	0	22.32	22.37	22.37	22.32	22.33	23.5	1
15	16QAM	1	0	22.47	22.51	22.56	22.49	22.50		
15	16QAM	1	37	22.32	22.40	22.39	22.40	22.49		
15	16QAM	1	74	22.41	22.41	22.50	22.38	22.41	22.5	2
15	16QAM	36	0	21.28	21.42	21.41	21.39	21.33		
15	16QAM	36	20	21.29	21.38	21.54	21.29	21.50		
15	16QAM	36	39	21.26	21.27	21.43	21.20	21.25	22.5	2
15	16QAM	75	0	21.18	21.37	21.50	21.32	21.40		
15	64QAM	1	0	21.43	21.48	21.55	21.49	21.40		
15	64QAM	1	37	21.44	21.41	21.45	21.33	21.48	22.5	2
15	64QAM	1	74	21.30	21.50	21.43	21.44	21.43		
15	64QAM	36	0	20.40	20.43	20.44	20.27	20.41		
15	64QAM	36	20	20.39	20.46	20.53	20.40	20.38	21.5	3
15	64QAM	36	39	20.35	20.42	20.39	20.20	20.27		
15	64QAM	75	0	20.30	20.44	20.47	20.25	20.33		
15	256QAM	1	0	18.37	18.44	18.56	18.49	18.42	19.5	5
15	256QAM	1	37	18.38	18.37	18.51	18.39	18.49		
15	256QAM	1	74	18.40	18.44	18.36	18.36	18.38		
15	256QAM	36	0	18.35	18.36	18.49	18.40	18.34	19.5	5
15	256QAM	36	20	18.27	18.47	18.43	18.36	18.35		
15	256QAM	36	39	18.25	18.37	18.34	18.25	18.27		
15	256QAM	75	0	18.29	18.35	18.41	18.22	18.29		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	23.37	23.53	23.57	23.48	23.50	24.50	0
10	QPSK	1	25	23.39	23.36	23.47	23.35	23.50		
10	QPSK	1	49	23.40	23.42	23.42	23.41	23.48		
10	QPSK	25	0	22.34	22.37	22.53	22.34	22.38	23.5	1
10	QPSK	25	12	22.32	22.42	22.42	22.35	22.37		
10	QPSK	25	25	22.29	22.42	22.40	22.34	22.31		
10	QPSK	50	0	22.22	22.37	22.48	22.24	22.41	23.5	1
10	16QAM	1	0	22.39	22.50	22.48	22.50	22.50		
10	16QAM	1	25	22.41	22.30	22.49	22.45	22.54		
10	16QAM	1	49	22.41	22.45	22.58	22.44	22.38	22.5	2
10	16QAM	25	0	21.28	21.40	21.53	21.34	21.39		
10	16QAM	25	12	21.33	21.41	21.54	21.31	21.45		
10	16QAM	25	25	21.28	21.30	21.41	21.24	21.23	22.5	2
10	16QAM	50	0	21.22	21.37	21.43	21.37	21.40		
10	64QAM	1	0	21.37	21.43	21.49	21.47	21.41		
10	64QAM	1	25	21.44	21.38	21.44	21.34	21.41	22.5	2
10	64QAM	1	49	21.37	21.48	21.49	21.43	21.49		
10	64QAM	25	0	20.42	20.39	20.49	20.32	20.38		
10	64QAM	25	12	20.34	20.36	20.56	20.43	20.38	21.5	3
10	64QAM	25	25	20.28	20.38	20.32	20.26	20.29		
10	64QAM	50	0	20.22	20.37	20.42	20.22	20.39		
10	256QAM	1	0	18.34	18.47	18.55	18.53	18.39	19.5	5
10	256QAM	1	25	18.44	18.44	18.56	18.36	18.53		
10	256QAM	1	49	18.37	18.37	18.41	18.33	18.38		
10	256QAM	25	0	18.31	18.39	18.48	18.37	18.43	19.5	5
10	256QAM	25	12	18.31	18.53	18.43	18.35	18.38		
10	256QAM	25	25	18.24	18.37	18.39	18.21	18.31		
10	256QAM	50	0	18.23	18.34	18.36	18.19	18.30		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	23.35	23.52	23.57	23.52	23.47	24.50	0
5	QPSK	1	12	23.30	23.46	23.55	23.44	23.46		
5	QPSK	1	24	23.30	23.45	23.51	23.44	23.41		
5	QPSK	12	0	22.33	22.41	22.50	22.35	22.44	23.5	1
5	QPSK	12	7	22.37	22.46	22.51	22.41	22.44		
5	QPSK	12	13	22.27	22.38	22.40	22.32	22.30		
5	QPSK	25	0	22.30	22.39	22.38	22.23	22.32	23.5	1
5	16QAM	1	0	22.39	22.48	22.52	22.54	22.54		
5	16QAM	1	12	22.32	22.41	22.40	22.39	22.44		
5	16QAM	1	24	22.33	22.46	22.57	22.47	22.42	22.5	2
5	16QAM	12	0	21.26	21.41	21.47	21.42	21.38		
5	16QAM	12	7	21.29	21.43	21.58	21.27	21.41		
5	16QAM	12	13	21.32	21.31	21.39	21.22	21.31	22.5	2
5	16QAM	25	0	21.26	21.36	21.45	21.39	21.39		
5	64QAM	1	0	21.33	21.44	21.50	21.40	21.45		
5	64QAM	1	12	21.44	21.42	21.45	21.28	21.47	22.5	2
5	64QAM	1	24	21.36	21.39	21.42	21.39	21.49		
5	64QAM	12	0	20.32	20.40	20.48	20.31	20.32		
5	64QAM	12	7	20.37	20.37	20.49	20.43	20.39	21.5	3
5	64QAM	12	13	20.31	20.41	20.37	20.20	20.31		
5	64QAM	25	0	20.24	20.34	20.51	20.27	20.35		
5	256QAM	1	0	18.32	18.47	18.48	18.47	18.42	19.5	5
5	256QAM	1	12	18.37	18.38	18.46	18.37	18.55		
5	256QAM	1	24	18.42	18.43	18.41	18.33	18.43		
5	256QAM	12	0	18.36	18.30	18.51	18.43	18.45	19.5	5
5	256QAM	12	7	18.25	18.44	18.43	18.37	18.33		
5	256QAM	12	13	18.27	18.35	18.39	18.23	18.30		
5	256QAM	25	0	18.20	18.33	18.36	18.21	18.30		

Band 42 Part 27Q Ant 2 DSI 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	19.06	19.15	19.09	20	0	
20	QPSK	1	49	18.98	19.10	18.99			
20	QPSK	1	99	18.96	19.06	19.02			
20	QPSK	50	0	18.05	18.18	18.04	19	1	
20	QPSK	50	24	17.97	18.09	18.00			
20	QPSK	50	50	17.95	18.10	18.07			
20	QPSK	100	0	18.11	18.15	18.14	19	1	
20	16QAM	1	0	18.11	18.14	18.05			
20	16QAM	1	49	18.03	18.16	18.04			
20	16QAM	1	99	17.96	18.03	18.01	18	2	
20	16QAM	50	0	17.07	17.16	17.09			
20	16QAM	50	24	17.01	17.06	17.01			
20	16QAM	50	50	16.97	17.05	17.13	18	2	
20	16QAM	100	0	17.09	17.20	17.13			
20	64QAM	1	0	17.07	17.18	17.00			
20	64QAM	1	49	17.06	17.22	17.08	18	2	
20	64QAM	1	99	17.01	17.02	17.03			
20	64QAM	50	0	16.02	16.16	15.98			
20	64QAM	50	24	16.03	16.12	16.02	17	3	
20	64QAM	50	50	15.92	16.12	16.12			
20	64QAM	100	0	16.11	16.16	16.15			
20	256QAM	1	0	14.07	14.14	14.04	15	5	
20	256QAM	1	49	13.92	14.08	13.99			
20	256QAM	1	99	13.93	14.12	14.01			
20	256QAM	50	0	14.06	14.17	14.16	15	5	
20	256QAM	50	24	14.06	14.18	14.03			
20	256QAM	50	50	14.02	14.20	14.02			
20	256QAM	100	0	13.92	14.05	14.01	Tune-up limit (dBm)	MPR (dB)	
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	19.02	19.04	19.04	20	0	
15	QPSK	1	37	18.96	18.99	18.89			
15	QPSK	1	74	18.92	19.01	18.90			
15	QPSK	36	0	17.91	18.09	18.01	19	1	
15	QPSK	36	20	17.84	18.04	17.98			
15	QPSK	36	39	17.90	18.08	17.95			
15	QPSK	75	0	18.07	18.09	18.08	19	1	
15	16QAM	1	0	18.07	18.12	18.01			
15	16QAM	1	37	18.00	18.02	17.94			
15	16QAM	1	74	17.84	17.97	17.87	18	2	
15	16QAM	36	0	17.04	17.11	16.95			
15	16QAM	36	20	16.90	16.92	16.95			
15	16QAM	36	39	16.89	17.03	17.04	18	2	
15	16QAM	75	0	17.06	17.11	17.10			
15	64QAM	1	0	17.01	17.10	16.93			
15	64QAM	1	37	16.99	17.09	17.03	18	2	
15	64QAM	1	74	16.89	16.88	16.92			
15	64QAM	36	0	15.99	16.10	15.93	17	3	
15	64QAM	36	20	15.92	16.08	15.91			
15	64QAM	36	39	15.83	16.05	16.00			
15	64QAM	75	0	15.97	16.09	16.09	15	5	
15	256QAM	1	0	14.02	14.07	13.91			
15	256QAM	1	37	13.78	14.02	13.96			
15	256QAM	1	74	13.83	14.07	13.89	15	5	
15	256QAM	36	0	14.04	14.11	14.11			
15	256QAM	36	20	14.00	14.04	13.94			
15	256QAM	36	39	13.90	14.10	13.93	15	5	
15	256QAM	75	0	13.90	13.95	13.94	Tune-up limit (dBm)	MPR (dB)	
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	18.98	19.02	19.06	20	0	
10	QPSK	1	25	18.93	18.96	18.96			
10	QPSK	1	49	18.90	18.96	18.93			
10	QPSK	25	0	17.99	18.05	17.92	19	1	
10	QPSK	25	12	17.88	18.05	17.96			
10	QPSK	25	25	17.88	18.06	17.97			
10	QPSK	50	0	18.02	18.05	18.12	19	1	
10	16QAM	1	0	18.00	18.06	17.97			
10	16QAM	1	25	17.97	18.03	17.98			
10	16QAM	1	49	17.91	17.92	17.91	18	2	
10	16QAM	25	0	17.00	17.10	16.99			
10	16QAM	25	12	16.90	17.00	16.89			
10	16QAM	25	25	16.91	16.96	17.06	18	2	
10	16QAM	50	0	17.07	17.10	17.08			
10	64QAM	1	0	17.02	17.15	16.91			
10	64QAM	1	25	17.03	17.15	16.99	18	2	
10	64QAM	1	49	16.91	16.91	16.95			
10	64QAM	25	0	15.99	16.10	15.90			
10	64QAM	25	12	15.96	16.09	15.97	17	3	
10	64QAM	25	25	15.85	16.06	15.99			
10	64QAM	50	0	16.02	16.10	16.01			
10	256QAM	1	0	13.99	14.11	13.92	15	5	
10	256QAM	1	25	13.86	13.95	13.89			
10	256QAM	1	49	13.87	14.04	13.87			
10	256QAM	25	0	13.97	14.14	14.03	15	5	
10	256QAM	25	12	13.98	14.07	13.95			
10	256QAM	25	25	13.96	14.15	13.90			
10	256QAM	50	0	13.85	13.94	13.98	Tune-up limit (dBm)	MPR (dB)	
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	19.00	19.05	18.98	20	0	
5	QPSK	1	12	18.93	19.01	18.96			
5	QPSK	1	24	18.86	18.99	18.96			
5	QPSK	12	0	17.94	18.13	17.98	19	1	
5	QPSK	12	7	17.88	18.02	17.88			
5	QPSK	12	13	17.86	18.00	17.95			
5	QPSK	25	0	18.01	18.12	18.08	19	1	
5	16QAM	1	0	18.06	18.10	17.94			
5	16QAM	1	12	17.89	18.11	18.01			
5	16QAM	1	24	17.87	17.97	17.95	18	2	
5	16QAM	12	0	17.03	17.03	16.99			
5	16QAM	12	7	16.97	17.03	16.90			
5	16QAM	12	13	16.88	17.00	17.04	18	2	
5	16QAM	25	0	17.00	17.12	17.07			
5	64QAM	1	0	16.96	17.10	16.91			
5	64QAM	1	12	16.96	17.16	17.02	18	2	
5	64QAM	1	24	16.92	16.92	16.95			
5	64QAM	12	0	15.89	16.11	15.91			
5	64QAM	12	7	15.90	16.05	15.95	17	3	
5	64QAM	12	13	15.88	16.05	16.00			
5	64QAM	25	0	15.97	16.06	16.01			
5	256QAM	1	0	14.02	14.06	13.90	15	5	
5	256QAM	1	12	13.79	14.04	13.89			
5	256QAM	1	24	13.86	14.09	13.88			
5	256QAM	12	0	13.92	14.08	14.05	15	5	
5	256QAM	12	7	13.99	14.14	13.98			
5	256QAM	12	13	13.97	14.13	13.97			
5	256QAM	25	0	13.85	13.94	13.97			

Band 48 Ant 2 DSI 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	19.03	19.12	19.01	19.10	20	0
20	QPSK	1	49	19.01	19.06	18.94	19.00		
20	QPSK	1	99	19.01	19.11	18.93	19.09		
20	QPSK	50	0	18.08	18.13	17.99	18.09		
20	QPSK	50	24	18.05	18.04	18.00	17.99	19	1
20	QPSK	50	50	18.01	18.11	17.87	18.04		
20	QPSK	100	0	18.02	18.14	17.92	18.01		
20	16QAM	1	0	18.02	18.11	17.97	18.06		
20	16QAM	1	49	17.95	18.03	17.91	18.04	19	1
20	16QAM	1	99	17.97	18.05	17.90	18.05		
20	16QAM	50	0	17.07	17.16	17.05	17.05		
20	16QAM	50	24	17.00	17.03	17.03	16.93		
20	16QAM	50	50	16.96	17.10	16.89	17.03	18	2
20	16QAM	100	0	16.98	17.16	16.93	17.02		
20	64QAM	1	0	17.03	17.06	17.03	17.11		
20	64QAM	1	49	17.02	17.04	16.94	16.96		
20	64QAM	1	99	17.00	17.08	16.92	17.14	18	2
20	64QAM	50	0	16.03	16.14	16.00	16.07		
20	64QAM	50	24	16.08	16.03	16.03	15.95		
20	64QAM	50	50	15.95	16.15	15.90	16.03		
20	64QAM	100	0	16.01	16.17	15.91	16.01	17	3
20	256QAM	1	0	14.04	14.06	14.06	14.15		
20	256QAM	1	49	14.06	14.05	13.96	14.01		
20	256QAM	1	99	14.03	14.05	13.95	14.11		
20	256QAM	50	0	14.08	14.15	13.97	14.09	15	5
20	256QAM	50	24	14.01	14.07	13.98	13.94		
20	256QAM	50	50	14.06	14.08	13.86	14.08		
20	256QAM	100	0	14.05	14.10	13.93	14.04		
Channel				55315	55820	56160	56655	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	18.97	19.10	18.98	19.03		
15	QPSK	1	37	18.95	19.01	18.87	18.89		
15	QPSK	1	74	18.95	19.08	18.83	19.02		
15	QPSK	36	0	18.06	18.08	17.89	18.06		
15	QPSK	36	20	18.01	18.07	17.97	17.99	19	1
15	QPSK	36	39	17.93	18.09	17.84	17.99		
15	QPSK	75	0	17.94	18.03	17.89	17.98		
15	16QAM	1	0	17.92	18.00	17.92	18.04		
15	16QAM	1	37	17.91	18.02	17.85	18.00	19	1
15	16QAM	1	74	17.86	17.94	17.81	17.98		
15	16QAM	36	0	16.97	17.06	17.01	16.93		
15	16QAM	36	20	16.98	16.93	16.91	16.83		
15	16QAM	36	39	16.86	17.03	16.79	17.01	18	2
15	16QAM	75	0	16.94	17.04	16.86	17.01		
15	64QAM	1	0	16.94	16.94	17.00	17.09		
15	64QAM	1	37	16.91	16.94	16.83	16.95		
15	64QAM	1	74	16.91	17.00	16.81	17.11	18	2
15	64QAM	36	0	15.95	16.14	15.99	16.05		
15	64QAM	36	20	16.01	15.94	15.95	15.91		
15	64QAM	36	39	15.89	16.07	15.89	16.00		
15	64QAM	75	0	15.96	16.09	15.90	15.89	17	3
15	256QAM	1	0	14.01	14.02	14.00	14.04		
15	256QAM	1	37	14.02	13.97	13.89	13.95		
15	256QAM	1	74	14.00	13.96	13.83	14.05		
15	256QAM	36	0	14.06	14.03	13.93	13.98	15	5
15	256QAM	36	20	13.99	13.96	13.89	13.86		
15	256QAM	36	39	13.99	14.02	13.78	14.07		
15	256QAM	75	0	13.94	14.03	13.90	13.97		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	18.97	19.10	18.98	19.07		
10	QPSK	1	25	18.94	18.95	18.92	18.98		
10	QPSK	1	49	18.95	19.10	18.86	19.04		
10	QPSK	25	0	18.07	18.13	17.95	17.99		
10	QPSK	25	12	18.01	17.98	17.99	17.88	19	1
10	QPSK	25	25	17.95	18.03	17.76	17.94		
10	QPSK	50	0	17.99	18.13	17.90	17.94		
10	16QAM	1	0	17.92	18.04	17.93	17.95		
10	16QAM	1	25	17.94	18.00	17.88	18.04	19	1
10	16QAM	1	49	17.88	18.00	17.88	17.99		
10	16QAM	25	0	16.96	17.14	16.98	17.00		
10	16QAM	25	12	16.93	16.98	17.02	16.85		
10	16QAM	25	25	16.93	17.01	16.87	16.98	18	2
10	16QAM	50	0	16.88	17.09	16.90	16.92		
10	64QAM	1	0	16.94	17.04	16.92	17.07		
10	64QAM	1	25	17.02	16.93	16.92	16.97		
10	64QAM	1	49	16.93	17.06	16.82	17.13	18	2
10	64QAM	25	0	15.97	16.04	15.95	16.05		
10	64QAM	25	12	16.05	15.99	15.97	15.84		
10	64QAM	25	25	15.84	16.13	15.79	15.99		
10	64QAM	50	0	15.96	16.15	15.83	15.96	17	3
10	256QAM	1	0	14.04	14.03	13.95	14.07		
10	256QAM	1	25	14.02	13.98	13.93	14.00		
10	256QAM	1	49	13.96	14.03	13.88	14.10		
10	256QAM	25	0	13.97	14.11	13.89	13.98	15	5
10	256QAM	25	12	13.90	14.05	13.86	13.89		
10	256QAM	25	25	13.99	13.97	13.76	14.07		
10	256QAM	50	0	13.99	14.02	13.83	13.94		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	18.93	19.11	18.96	19.07		
5	QPSK	1	12	18.98	18.94	18.93	18.96		
5	QPSK	1	24	18.97	19.06	18.96	18.98		
5	QPSK	12	0	18.03	18.12	17.93	18.04		
5	QPSK	12	7	17.95	17.98	17.91	17.88	19	1
5	QPSK	12	13	17.95	18.01	17.76	17.94		
5	QPSK	25	0	17.92	18.12	17.82	17.95		
5	16QAM	1	0	17.91	18.00	17.92	18.02		
5	16QAM	1	12	17.86	17.92	17.81	18.06	19	1
5	16QAM	1	24	17.87	18.02	17.81	18.00		
5	16QAM	12	0	16.96	17.06	17.04	16.97		
5	16QAM	12	7	16.99	16.98	16.96	16.83		
5	16QAM	12	13	16.91	17.10	16.85	17.03	18	2
5	16QAM	25	0	16.90	17.05	16.81	16.96		
5	64QAM	1	0	16.95	17.04	16.92	17.11		
5	64QAM	1	12	17.01	16.96	16.84	16.86		
5	64QAM	1	24	16.98	17.03	16.92	17.04	18	2
5	64QAM	12	0	15.98	16.03	15.94	15.98		
5	64QAM	12	7	16.00	15.94	15.97	15.84		
5	64QAM	12	13	15.87	16.08	15.81	15.99		
5	64QAM	25	0	16.00	16.16	15.85	15.97	17	3
5	256QAM	1	0	13.93	13.94	13.98	14.15		
5	256QAM	1	12	14.05	13.98	13.95	13.94		
5	256QAM	1	24	13.99	13.94	13.85	14.03		
5	256QAM	12	0	14.01	14.07	13.94	14.03	15	5
5	256QAM	12	7	13.97	14.05	13.94	13.84		
5	256QAM	12	13	14.00	13.98	13.86	13.99		
5	256QAM	25	0	14.03	14.09	13.83	14.02		

Band 38 Ant 3 DSI 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	23.43	23.52	23.48	24.5	0	
20	QPSK	1	49	23.38	23.45	23.38			
20	QPSK	1	99	23.40	23.40	23.37			
20	QPSK	50	0	22.37	22.57	22.43	23.5	1	
20	QPSK	50	24	22.34	22.49	22.37			
20	QPSK	50	50	22.41	22.42	22.33			
20	QPSK	100	0	22.46	22.52	22.50	23.5	1	
20	16QAM	1	0	22.44	22.54	22.47			
20	16QAM	1	49	22.38	22.51	22.36			
20	16QAM	1	99	22.39	22.39	22.34	22.5	2	
20	16QAM	50	0	21.36	21.56	21.37			
20	16QAM	50	24	21.36	21.54	21.35			
20	16QAM	50	50	21.42	21.43	21.29	22.5	2	
20	16QAM	100	0	21.40	21.53	21.47			
20	64QAM	1	0	21.50	21.56	21.43			
20	64QAM	1	49	21.43	21.52	21.36	21.5	3	
20	64QAM	1	99	21.33	21.41	21.31			
20	64QAM	50	0	20.39	20.58	20.44			
20	64QAM	50	24	20.35	20.54	20.32	19.5	5	
20	64QAM	50	50	20.41	20.47	20.31			
20	64QAM	100	0	20.48	20.58	20.45			
20	256QAM	1	0	18.32	18.52	18.37	19.5	5	
20	256QAM	1	49	18.40	18.48	18.40			
20	256QAM	1	99	18.44	18.37	18.35			
20	256QAM	50	0	18.46	18.48	18.46	19.5	5	
20	256QAM	50	24	18.45	18.58	18.42			
20	256QAM	50	50	18.43	18.54	18.34			
20	256QAM	100	0	18.38	18.42	18.29			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	23.29	23.45	23.45	24.5	0	
15	QPSK	1	37	23.31	23.38	23.27			
15	QPSK	1	74	23.36	23.27	23.34			
15	QPSK	36	0	22.25	22.47	22.32	23.5	1	
15	QPSK	36	20	22.31	22.41	22.29			
15	QPSK	36	39	22.27	22.36	22.22			
15	QPSK	75	0	22.42	22.47	22.40	23.5	1	
15	16QAM	1	0	22.33	22.40	22.39			
15	16QAM	1	37	22.31	22.38	22.25			
15	16QAM	1	74	22.27	22.31	22.25	22.5	2	
15	16QAM	36	0	21.27	21.45	21.27			
15	16QAM	36	20	21.28	21.45	21.28			
15	16QAM	36	39	21.29	21.37	21.24	22.5	2	
15	16QAM	75	0	21.32	21.43	21.45			
15	64QAM	1	0	21.41	21.49	21.30			
15	64QAM	1	37	21.35	21.39	21.32	22.5	2	
15	64QAM	1	74	21.25	21.29	21.26			
15	64QAM	36	0	20.32	20.51	20.32			
15	64QAM	36	20	20.32	20.48	20.23	21.5	3	
15	64QAM	36	39	20.37	20.36	20.20			
15	64QAM	75	0	20.40	20.51	20.37			
15	256QAM	1	0	18.20	18.41	18.33	19.5	5	
15	256QAM	1	37	18.30	18.38	18.34			
15	256QAM	1	74	18.32	18.28	18.30			
15	256QAM	36	0	18.39	18.41	18.43	19.5	5	
15	256QAM	36	20	18.35	18.50	18.32			
15	256QAM	36	39	18.39	18.44	18.23			
15	256QAM	75	0	18.27	18.35	18.25			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	23.34	23.39	23.43	24.5	0	
10	QPSK	1	25	23.27	23.39	23.32			
10	QPSK	1	49	23.38	23.33	23.25			
10	QPSK	25	0	22.24	22.46	22.36	23.5	1	
10	QPSK	25	12	22.24	22.37	22.31			
10	QPSK	25	25	22.37	22.37	22.20			
10	QPSK	50	0	22.39	22.46	22.43	23.5	1	
10	16QAM	1	0	22.33	22.48	22.35			
10	16QAM	1	25	22.27	22.45	22.22			
10	16QAM	1	49	22.35	22.31	22.27	22.5	2	
10	16QAM	25	0	21.32	21.53	21.31			
10	16QAM	25	12	21.32	21.50	21.27			
10	16QAM	25	25	21.28	21.40	21.17	21.5	3	
10	16QAM	50	0	21.30	21.42	21.40			
10	64QAM	1	0	21.43	21.53	21.34			
10	64QAM	1	25	21.34	21.44	21.27	22.5	2	
10	64QAM	1	49	21.19	21.35	21.29			
10	64QAM	25	0	20.34	20.52	20.41			
10	64QAM	25	12	20.27	20.50	20.19	21.5	3	
10	64QAM	25	25	20.38	20.36	20.25			
10	64QAM	50	0	20.43	20.52	20.32			
10	256QAM	1	0	18.28	18.50	18.33	19.5	5	
10	256QAM	1	25	18.27	18.39	18.36			
10	256QAM	1	49	18.39	18.27	18.33			
10	256QAM	25	0	18.39	18.35	18.39	19.5	5	
10	256QAM	25	12	18.34	18.50	18.31			
10	256QAM	25	25	18.34	18.47	18.23			
10	256QAM	50	0	18.34	18.32	18.26			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	23.38	23.39	23.37	24.5	0	
5	QPSK	1	12	23.28	23.36	23.29			
5	QPSK	1	24	23.30	23.26	23.27			
5	QPSK	12	0	22.23	22.51	22.34	23.5	1	
5	QPSK	12	7	22.29	22.36	22.35			
5	QPSK	12	13	22.31	22.30	22.27			
5	QPSK	25	0	22.43	22.48	22.46	23.5	1	
5	16QAM	1	0	22.41	22.46	22.40			
5	16QAM	1	12	22.29	22.41	22.31			
5	16QAM	1	24	22.26	22.28	22.22	22.5	2	
5	16QAM	12	0	21.25	21.43	21.29			
5	16QAM	12	7	21.28	21.41	21.24			
5	16QAM	12	13	21.34	21.32	21.22	22.5	2	
5	16QAM	25	0	21.31	21.43	21.34			
5	64QAM	1	0	21.42	21.47	21.32			
5	64QAM	1	12	21.36	21.42	21.27	22.5	2	
5	64QAM	1	24	21.21	21.33	21.22			
5	64QAM	12	0	20.35	20.54	20.37			
5	64QAM	12	7	20.31	20.50	20.25	21.5	3	
5	64QAM	12	13	20.33	20.44	20.22			
5	64QAM	25	0	20.43	20.47	20.37			
5	256QAM	1	0	18.23	18.38	18.26	19.5	5	
5	256QAM	1	12	18.33	18.34	18.33			
5	256QAM	1	24	18.30	18.25	18.24			
5	256QAM	12	0	18.44	18.38	18.33	19.5	5	
5	256QAM	12	7	18.38	18.55	18.30			
5	256QAM	12	13	18.39	18.42	18.21			
5	256QAM	25	0	18.24	18.31	18.18			

Band 42 Part 27Q Ant 3 DSI 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				42190	42590	42990				
Frequency (MHz)				3460	3500	3540				
20	QPSK	1	0	20.46	20.47	20.22	21.5	0		
20	QPSK	1	49	20.42	20.41	20.19				
20	QPSK	1	99	20.42	20.46	20.19				
20	QPSK	50	0	19.47	19.47	19.21	20.5	1		
20	QPSK	50	24	19.44	19.42	19.23				
20	QPSK	50	50	19.46	19.42	19.20				
20	QPSK	100	0	19.37	19.41	19.16	20.5	1		
20	16QAM	1	0	19.41	19.41	19.19				
20	16QAM	1	49	19.46	19.47	19.19				
20	16QAM	1	99	19.46	19.50	19.23	19.5	2		
20	16QAM	50	0	18.51	18.45	18.26				
20	16QAM	50	24	18.41	18.43	18.25				
20	16QAM	50	50	18.46	18.44	18.24	19.5	2		
20	16QAM	100	0	18.38	18.36	18.19				
20	64QAM	1	0	18.38	18.43	18.08				
20	64QAM	1	49	18.32	18.35	18.13	19.5	2		
20	64QAM	1	99	18.37	18.35	18.08				
20	64QAM	50	0	17.35	17.41	17.16				
20	64QAM	50	24	17.29	17.30	17.12	18.5	3		
20	64QAM	50	50	17.35	17.34	17.16				
20	64QAM	100	0	17.22	17.36	17.03				
20	256QAM	1	0	15.40	15.43	15.27	16.5	5		
20	256QAM	1	49	15.37	15.42	15.24				
20	256QAM	1	99	15.39	15.42	15.23				
20	256QAM	50	0	15.37	15.39	15.05	16.5	5		
20	256QAM	50	24	15.37	15.33	15.16				
20	256QAM	50	50	15.40	15.30	15.16				
20	256QAM	100	0	15.27	15.32	15.08				
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3457.5	3500	3542.5				
15	QPSK	1	0	20.46	20.46	20.18	21.5	0		
15	QPSK	1	37	20.39	20.39	20.11				
15	QPSK	1	74	20.32	20.39	20.14				
15	QPSK	36	0	19.46	19.45	19.20	20.5	1		
15	QPSK	36	20	19.39	19.32	19.12				
15	QPSK	36	39	19.41	19.34	19.09				
15	QPSK	75	0	19.28	19.40	19.06	20.5	1		
15	16QAM	1	0	19.41	19.40	19.14				
15	16QAM	1	37	19.42	19.39	19.17				
15	16QAM	1	74	19.36	19.47	19.19	19.5	2		
15	16QAM	36	0	18.41	18.41	18.25				
15	16QAM	36	20	18.29	18.39	18.19				
15	16QAM	36	39	18.37	18.34	18.21	19.5	2		
15	16QAM	75	0	18.27	18.32	18.14				
15	64QAM	1	0	18.28	18.36	18.01				
15	64QAM	1	37	18.30	18.30	18.02	19.5	2		
15	64QAM	1	74	18.36	18.28	18.07				
15	64QAM	36	0	17.26	17.32	17.08	18.5	3		
15	64QAM	36	20	17.25	17.27	17.04				
15	64QAM	36	39	17.27	17.31	17.05				
15	64QAM	75	0	17.13	17.26	17.00	16.5	5		
15	256QAM	1	0	15.31	15.37	15.24				
15	256QAM	1	37	15.27	15.37	15.18				
15	256QAM	1	74	15.32	15.34	15.12	16.5	5		
15	256QAM	36	0	15.33	15.37	14.98				
15	256QAM	36	20	15.33	15.22	15.07				
15	256QAM	36	39	15.40	15.27	15.07	15.00			
15	256QAM	75	0	15.24	15.23	15.00				
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3455	3500	3545				
10	QPSK	1	0	20.38	20.42	20.16	21.5	0		
10	QPSK	1	25	20.31	20.31	20.15				
10	QPSK	1	49	20.33	20.43	20.12				
10	QPSK	25	0	19.41	19.38	19.18	20.5	1		
10	QPSK	25	12	19.41	19.37	19.21				
10	QPSK	25	25	19.36	19.41	19.11				
10	QPSK	50	0	19.27	19.39	19.06	20.5	1		
10	16QAM	1	0	19.40	19.33	19.17				
10	16QAM	1	25	19.39	19.36	19.14				
10	16QAM	1	49	19.35	19.48	19.16	19.5	2		
10	16QAM	25	0	18.41	18.39	18.17				
10	16QAM	25	12	18.40	18.40	18.18				
10	16QAM	25	25	18.44	18.38	18.15	19.5	2		
10	16QAM	50	0	18.29	18.36	18.12				
10	64QAM	1	0	18.28	18.35	18.00				
10	64QAM	1	25	18.29	18.29	18.02	19.5	2		
10	64QAM	1	49	18.29	18.28	18.02				
10	64QAM	25	0	17.35	17.37	17.07				
10	64QAM	25	12	17.17	17.25	17.04	18.5	3		
10	64QAM	25	25	17.27	17.30	17.14				
10	64QAM	50	0	17.13	17.24	16.96				
10	256QAM	1	0	15.37	15.40	15.15	16.5	5		
10	256QAM	1	25	15.27	15.32	15.18				
10	256QAM	1	49	15.32	15.34	15.19				
10	256QAM	25	0	15.33	15.29	14.99	16.5	5		
10	256QAM	25	12	15.36	15.21	15.13				
10	256QAM	25	25	15.32	15.24	15.09				
10	256QAM	50	0	15.25	15.26	15.00				
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3452.5	3500	3547.5				
5	QPSK	1	0	20.42	20.43	20.22	21.5	0		
5	QPSK	1	12	20.38	20.33	20.11				
5	QPSK	1	24	20.39	20.34	20.09				
5	QPSK	12	0	19.43	19.37	19.17	20.5	1		
5	QPSK	12	7	19.41	19.38	19.13				
5	QPSK	12	13	19.40	19.35	19.10				
5	QPSK	25	0	19.29	19.32	19.09	20.5	1		
5	16QAM	1	0	19.37	19.34	19.08				
5	16QAM	1	12	19.42	19.44	19.19				
5	16QAM	1	24	19.42	19.40	19.13	19.5	2		
5	16QAM	12	0	18.47	18.40	18.23				
5	16QAM	12	7	18.30	18.42	18.22				
5	16QAM	12	13	18.37	18.43	18.12	19.5	2		
5	16QAM	25	0	18.31	18.30	18.08				
5	64QAM	1	0	18.36	18.41	18.02				
5	64QAM	1	12	18.23	18.27	18.06	19.5	2		
5	64QAM	1	24	18.30	18.25	18.04				
5	64QAM	12	0	17.26	17.41	17.10				
5	64QAM	12	7	17.23	17.19	17.01	18.5	3		
5	64QAM	12	13	17.33	17.24	17.09				
5	64QAM	25	0	17.16	17.24	16.95				
5	256QAM	1	0	15.32	15.33	15.16	16.5	5		
5	256QAM	1	12	15.26	15.38	15.22				
5	256QAM	1	24	15.37	15.34	15.17				
5	256QAM	12	0	15.37	15.27	15.02	16.5	5		
5	256QAM	12	7	15.25	15.29	15.16				
5	256QAM	12	13	15.33	15.29	15.12				
5	256QAM	25	0	15.22	15.24	15.06				

Band 48 Ant 3 DSI 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	20.44	20.46	20.39	20.38	21.5	0
20	QPSK	1	49	20.33	20.45	20.29	20.36		
20	QPSK	1	99	20.36	20.45	20.32	20.32		
20	QPSK	50	0	19.40	19.47	19.41	19.38		
20	QPSK	50	24	19.48	19.48	19.33	19.34	20.5	1
20	QPSK	50	50	19.37	19.42	19.36	19.34		
20	QPSK	100	0	19.32	19.47	19.37	19.32		
20	16QAM	1	0	19.41	19.48	19.37	19.35		
20	16QAM	1	49	19.35	19.43	19.30	19.30	20.5	1
20	16QAM	1	99	19.37	19.51	19.28	19.36		
20	16QAM	50	0	18.42	18.50	18.40	18.33		
20	16QAM	50	24	18.50	18.47	18.32	18.31		
20	16QAM	50	50	18.35	18.40	18.38	18.34	19.5	2
20	16QAM	100	0	18.37	18.49	18.32	18.34		
20	64QAM	1	0	18.50	18.40	18.38	18.32		
20	64QAM	1	49	18.38	18.49	18.25	18.30		
20	64QAM	1	99	18.32	18.42	18.34	18.37	19.5	2
20	64QAM	50	0	17.37	17.48	17.41	17.33		
20	64QAM	50	24	17.44	17.48	17.39	17.33		
20	64QAM	50	50	17.35	17.40	17.35	17.29		
20	64QAM	100	0	17.32	17.41	17.31	17.34	18.5	3
20	256QAM	1	0	15.40	15.44	15.34	15.35		
20	256QAM	1	49	15.31	15.46	15.32	15.32		
20	256QAM	1	99	15.41	15.51	15.29	15.31		
20	256QAM	50	0	15.40	15.43	15.37	15.40	16.5	5
20	256QAM	50	24	15.51	15.50	15.39	15.38		
20	256QAM	50	50	15.37	15.41	15.41	15.36		
20	256QAM	100	0	15.30	15.46	15.34	15.32		
Channel				55315	55820	56160	56655	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	20.41	20.43	20.37	20.33	21.5	0
15	QPSK	1	37	20.23	20.34	20.28	20.35		
15	QPSK	1	74	20.32	20.33	20.28	20.31		
15	QPSK	36	0	19.39	19.41	19.35	19.29		
15	QPSK	36	20	19.40	19.47	19.25	19.33	20.5	1
15	QPSK	36	39	19.29	19.38	19.32	19.33		
15	QPSK	75	0	19.21	19.38	19.34	19.31		
15	16QAM	1	0	19.37	19.48	19.32	19.35		
15	16QAM	1	37	19.26	19.38	19.23	19.24	20.5	1
15	16QAM	1	74	19.35	19.39	19.25	19.27		
15	16QAM	36	0	18.40	18.41	18.36	18.25		
15	16QAM	36	20	18.45	18.44	18.28	18.20		
15	16QAM	36	39	18.34	18.30	18.34	18.33	19.5	2
15	16QAM	75	0	18.29	18.39	18.21	18.24		
15	64QAM	1	0	18.42	18.34	18.28	18.24		
15	64QAM	1	37	18.32	18.37	18.23	18.28		
15	64QAM	1	74	18.29	18.37	18.30	18.34	19.5	2
15	64QAM	36	0	17.36	17.49	17.31	17.33		
15	64QAM	36	20	17.36	17.46	17.35	17.25		
15	64QAM	36	39	17.27	17.37	17.28	17.19		
15	64QAM	75	0	17.30	17.38	17.22	17.33	18.5	3
15	256QAM	1	0	15.32	15.36	15.30	15.30		
15	256QAM	1	37	15.30	15.45	15.24	15.24		
15	256QAM	1	74	15.31	15.47	15.20	15.29		
15	256QAM	36	0	15.37	15.39	15.36	15.33	16.5	5
15	256QAM	36	20	15.47	15.42	15.36	15.33		
15	256QAM	36	39	15.25	15.33	15.31	15.30		
15	256QAM	75	0	15.25	15.41	15.26	15.28		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	20.43	20.45	20.34	20.31	21.5	0
10	QPSK	1	25	20.28	20.39	20.24	20.33		
10	QPSK	1	49	20.29	20.37	20.22	20.31		
10	QPSK	25	0	19.35	19.42	19.35	19.30		
10	QPSK	25	12	19.48	19.41	19.25	19.34	20.5	1
10	QPSK	25	25	19.25	19.38	19.24	19.31		
10	QPSK	50	0	19.25	19.39	19.35	19.26		
10	16QAM	1	0	19.41	19.40	19.35	19.27		
10	16QAM	1	25	19.30	19.35	19.23	19.19	20.5	1
10	16QAM	1	49	19.30	19.44	19.22	19.36		
10	16QAM	25	0	18.34	18.41	18.31	18.26		
10	16QAM	25	12	18.50	18.36	18.29	18.24		
10	16QAM	25	25	18.35	18.37	18.31	18.29	19.5	2
10	16QAM	50	0	18.35	18.46	18.28	18.29		
10	64QAM	1	0	18.50	18.29	18.26	18.24		
10	64QAM	1	25	18.25	18.37	18.13	18.27		
10	64QAM	1	49	18.24	18.37	18.28	18.27	19.5	2
10	64QAM	25	0	17.31	17.43	17.31	17.25		
10	64QAM	25	12	17.33	17.44	17.35	17.25		
10	64QAM	25	25	17.35	17.38	17.30	17.24		
10	64QAM	50	0	17.28	17.31	17.29	17.22	18.5	3
10	256QAM	1	0	15.37	15.42	15.33	15.27		
10	256QAM	1	25	15.20	15.39	15.28	15.31		
10	256QAM	1	49	15.31	15.48	15.23	15.28		
10	256QAM	25	0	15.28	15.35	15.27	15.30	16.5	5
10	256QAM	25	12	15.49	15.39	15.33	15.27		
10	256QAM	25	25	15.28	15.33	15.38	15.28		
10	256QAM	50	0	15.25	15.43	15.28	15.23		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	20.42	20.43	20.38	20.32	21.5	0
5	QPSK	1	12	20.28	20.35	20.24	20.26		
5	QPSK	1	24	20.33	20.40	20.30	20.30		
5	QPSK	12	0	19.38	19.44	19.36	19.35		
5	QPSK	12	7	19.39	19.37	19.45	19.26	20.5	1
5	QPSK	12	13	10.33	10.34	10.25	10.29		
5	QPSK	25	0	19.23	19.39	19.26	19.23		
5	16QAM	1	0	19.32	19.41	19.31	19.24		
5	16QAM	1	12	19.32	19.35	19.27	19.24	20.5	1
5	16QAM	1	24	19.25	19.42	19.22	19.31		
5	16QAM	12	0	18.38	18.48	18.37	18.25		
5	16QAM	12	7	18.41	18.39	18.26	18.25		
5	16QAM	12	13	18.28	18.37	18.37	18.33	19.5	2
5	16QAM	25	0	18.26	18.42	18.24	18.29		
5	64QAM	1	0	18.41	18.30	18.36	18.23		
5	64QAM	1	12	18.37	18.44	18.22	18.24		
5	64QAM	1	24	18.25	18.38	18.31	18.29	19.5	2
5	64QAM	12	0	17.32	17.42	17.33	17.22		
5	64QAM	12	7	17.39	17.38	17.32	17.21		
5	64QAM	12	13	17.32	17.29	17.31	17.24		
5	64QAM	25	0	17.31	17.40	17.24	17.24	18.5	3
5	256QAM	1	0	15.39	15.42	15.26	15.24		
5	256QAM	1	12	15.29	15.41	15.24	15.28		
5	256QAM	1	24	15.30	15.50	15.24	15.21		
5	256QAM	12	0	15.30	15.34	15.34	15.33	16.5	5
5	256QAM	12	7	15.46	15.41	15.39	15.33		
5	256QAM	12	13	15.33	15.31	15.30	15.35		
5	256QAM	25	0	15.28	15.38	15.32	15.24		

Band 38 Ant 4 DSI 2												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				37850	38000	38150	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				2580	2595	2610						
20	QPSK	1	0	23.11	23.16	23.12	24.5	0				
20	QPSK	1	49	23.09	23.15	23.05						
20	QPSK	1	99	23.03	23.14	23.05						
20	QPSK	50	0	22.10	22.20	22.15	23.5	1				
20	QPSK	50	24	22.05	22.18	22.13						
20	QPSK	50	50	22.11	22.15	22.07						
20	QPSK	100	0	22.14	22.18	22.14	23.5	1				
20	16QAM	1	0	22.10	22.16	22.15						
20	16QAM	1	49	22.09	22.11	22.04						
20	16QAM	1	99	22.05	22.13	22.06	22.5	2				
20	16QAM	50	0	21.08	21.15	21.05						
20	16QAM	50	24	21.07	21.17	21.15						
20	16QAM	50	50	21.17	21.17	21.07	21.5	3				
20	64QAM	1	0	21.09	21.17	21.09						
20	64QAM	1	49	21.05	21.14	21.03						
20	64QAM	1	99	21.08	21.11	21.07	19.5	5				
20	64QAM	50	0	20.12	20.17	20.08						
20	64QAM	50	24	20.08	20.24	20.11						
20	64QAM	50	50	20.16	20.16	20.11	19.5	5				
20	64QAM	100	0	19.97	20.14	20.05						
20	256QAM	1	0	18.05	18.20	18.06						
20	256QAM	1	49	18.10	18.18	18.04	19.5	5				
20	256QAM	1	99	18.04	18.11	18.00						
20	256QAM	50	0	18.08	18.19	18.04						
20	256QAM	50	24	18.05	18.14	18.12	19.5	5				
20	256QAM	50	50	18.06	18.17	18.04						
20	256QAM	100	0	18.02	18.18	18.08						
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)	MPR (dB)				
15	QPSK	1	0	23.09	23.14	23.02				24.5	0	
15	QPSK	1	37	23.08	23.08	23.02	23.5					
15	QPSK	1	74	22.92	23.10	23.03						
15	QPSK	36	0	22.02	22.09	22.07	23.5	1				
15	QPSK	36	20	21.98	22.07	22.12						
15	QPSK	36	39	22.10	22.15	22.02						
15	QPSK	75	0	22.11	22.12	22.05	23.5	1				
15	16QAM	1	0	21.99	22.06	22.10						
15	16QAM	1	37	22.09	22.07	21.98						
15	16QAM	1	74	21.96	22.10	21.98	22.5	2				
15	16QAM	36	0	21.05	21.10	20.99						
15	16QAM	36	20	21.05	21.12	21.06						
15	16QAM	36	39	21.12	21.11	21.02	22.5	2				
15	16QAM	75	0	20.97	21.03	20.91						
15	64QAM	1	0	21.02	21.10	21.03						
15	64QAM	1	37	20.95	21.08	21.02	21.5	3				
15	64QAM	1	74	21.02	21.09	20.99						
15	64QAM	36	0	20.07	20.13	19.99						
15	64QAM	36	20	20.06	20.12	20.07	19.5	5				
15	64QAM	36	39	20.16	20.06	20.05						
15	64QAM	75	0	19.85	20.11	20.02						
15	256QAM	1	0	17.96	18.12	18.04	19.5	5				
15	256QAM	1	37	18.01	18.11	17.99						
15	256QAM	1	74	18.04	18.03	17.93						
15	256QAM	36	0	18.06	18.19	17.95	19.5	5				
15	256QAM	36	20	18.04	18.09	18.12						
15	256QAM	36	39	18.05	18.15	18.03						
15	256QAM	75	0	17.99	18.13	17.99	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	23.10	23.14	23.09	24.5	0				
10	QPSK	1	25	23.00	23.09	22.95				23.5		
10	QPSK	1	49	22.93	23.12	22.99						
10	QPSK	25	0	22.09	22.16	22.10	23.5	1				
10	QPSK	25	12	21.96	22.07	22.04						
10	QPSK	25	25	22.05	22.13	22.05						
10	QPSK	50	0	22.13	22.13	22.12	23.5	1				
10	16QAM	1	0	22.04	22.14	22.13						
10	16QAM	1	25	22.07	22.05	22.01	22.5	2				
10	16QAM	1	49	21.96	22.04	22.01						
10	16QAM	25	0	21.00	21.14	20.99						
10	16QAM	25	12	21.00	21.11	21.14	22.5	2				
10	16QAM	25	25	21.05	21.15	21.01						
10	16QAM	50	0	20.98	21.11	20.92						
10	64QAM	1	0	21.02	21.16	21.09	22.5	2				
10	64QAM	1	25	20.96	21.12	20.97						
10	64QAM	1	49	21.05	21.01	20.99						
10	64QAM	25	0	20.10	20.06	20.05	21.5	3				
10	64QAM	25	12	20.02	20.16	20.06						
10	64QAM	25	25	20.05	20.13	20.10						
10	64QAM	50	0	19.91	20.04	19.94	19.5	5				
10	256QAM	1	0	17.99	18.09	18.01						
10	256QAM	1	25	18.03	18.11	18.01						
10	256QAM	1	49	18.03	18.05	17.94	19.5	5				
10	256QAM	25	0	17.96	18.10	18.02						
10	256QAM	25	12	18.03	18.05	18.08						
10	256QAM	25	25	17.97	18.06	17.95	Tune-up limit (dBm)	MPR (dB)				
10	256QAM	50	0	17.99	18.15	17.99						
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				2572.5	2595	2617.5						
5	QPSK	1	0	23.04	23.14	23.03	24.5	0				
5	QPSK	1	12	23.07	23.08	23.03				23.5		
5	QPSK	1	24	23.01	23.06	22.94						
5	QPSK	12	0	22.05	22.14	22.12	23.5	1				
5	QPSK	12	7	21.99	22.12	22.13						
5	QPSK	12	13	22.06	22.05	22.02						
5	QPSK	25	0	22.02	22.15	22.11	23.5	1				
5	16QAM	1	0	22.02	22.11	22.12						
5	16QAM	1	12	22.09	22.01	22.00						
5	16QAM	1	24	21.97	22.06	22.03	22.5	2				
5	16QAM	12	0	20.99	21.06	20.94						
5	16QAM	12	7	20.99	21.12	21.07						
5	16QAM	12	13	21.08	21.10	21.05	22.5	2				
5	16QAM	25	0	20.91	21.09	20.88						
5	64QAM	1	0	21.04	21.16	20.98						
5	64QAM	1	12	21.03	21.09	20.96	22.5	2				
5	64QAM	1	24	21.03	21.08	21.04						
5	64QAM	12	0	20.09	20.07	20.06						
5	64QAM	12	7	19.96	20.18	20.01	21.5	3				
5	64QAM	12	13	20.13	20.09	20.05						
5	64QAM	25	0	19.89	20.08	20.00						
5	256QAM	1	0	18.05	18.11	18.06	19.5	5				
5	256QAM	1	12	18.05	18.11	18.03						
5	256QAM	1	24	17.99	18.07	17.92						
5	256QAM	12	0	18.07	18.10	17.92	19.5	5				
5	256QAM	12	7	18.00	18.03	18.10						
5	256QAM	12	13	17.94	18.10	17.94						
5	256QAM	25	0	17.93	18.12	18.03						

Band 41 Ant 4 DSI 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.09	23.16	23.27	23.14	23.25	24.5	0
20	QPSK	1	49	23.02	23.14	23.25	23.09	23.17		
20	QPSK	1	99	23.01	23.15	23.22	23.09	23.17		
20	QPSK	50	0	22.07	22.12	22.27	22.15	22.29	23.5	1
20	QPSK	50	24	22.11	22.18	22.26	22.13	22.24		
20	QPSK	50	50	22.02	22.19	22.23	22.04	22.13		
20	QPSK	100	0	22.01	22.10	22.26	22.08	22.16	23.5	1
20	16QAM	1	0	22.14	22.12	22.24	22.11	22.24		
20	16QAM	1	49	21.98	22.16	22.20	22.11	22.20		
20	16QAM	1	99	21.97	22.19	22.18	22.04	22.21	22.5	2
20	16QAM	50	0	21.09	21.17	21.28	21.15	21.28		
20	16QAM	50	24	21.13	21.16	21.23	21.19	21.25		
20	16QAM	50	50	21.08	21.24	21.27	21.03	21.13	22.5	2
20	16QAM	100	0	21.05	21.10	21.22	21.09	21.15		
20	64QAM	1	0	21.04	21.21	21.26	21.19	21.21		
20	64QAM	1	49	21.03	21.08	21.24	21.07	21.15	21.5	3
20	64QAM	1	99	21.02	21.14	21.24	21.08	21.10		
20	64QAM	50	0	20.11	20.17	20.29	20.14	20.34		
20	64QAM	50	24	20.12	20.20	20.28	20.19	20.21	19.5	5
20	64QAM	50	50	20.00	20.23	20.27	20.05	20.10		
20	64QAM	100	0	19.95	20.13	20.29	20.13	20.20		
20	256QAM	1	0	17.97	18.12	18.19	18.03	18.12	19.5	5
20	256QAM	1	49	17.92	18.02	18.12	18.03	18.09		
20	256QAM	1	99	17.96	18.01	18.16	18.04	18.03		
20	256QAM	50	0	18.11	18.10	18.28	18.11	18.25	19.5	5
20	256QAM	50	24	18.17	18.15	18.23	18.08	18.23		
20	256QAM	50	50	18.04	18.24	18.26	17.98	18.18		
20	256QAM	100	0	17.96	18.12	18.21	18.06	18.19		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	23.07	23.11	23.23	23.05	23.22	24.50	0
15	QPSK	1	37	22.92	23.13	23.19	23.09	23.16		
15	QPSK	1	74	22.97	23.11	23.22	22.98	23.15		
15	QPSK	36	0	21.99	22.08	22.22	22.12	22.21	23.5	1
15	QPSK	36	20	21.99	22.08	22.14	22.11	22.15		
15	QPSK	36	39	22.02	22.17	22.23	21.96	22.05		
15	QPSK	75	0	21.89	21.99	22.21	22.03	22.09	23.5	1
15	16QAM	1	0	22.08	22.10	22.16	21.99	22.18		
15	16QAM	1	37	21.94	22.15	22.13	22.03	22.14		
15	16QAM	1	74	21.90	22.12	22.08	21.99	22.13	22.5	2
15	16QAM	36	0	21.08	21.12	21.19	21.04	21.22		
15	16QAM	36	20	21.01	21.10	21.17	21.16	21.15		
15	16QAM	36	39	21.05	21.21	21.23	21.03	21.07	22.5	2
15	16QAM	75	0	21.05	21.03	21.13	21.08	21.09		
15	64QAM	1	0	20.95	21.13	21.18	21.17	21.11		
15	64QAM	1	37	20.95	20.98	21.19	20.99	21.08	21.5	3
15	64QAM	1	74	20.98	21.04	21.21	20.99	21.08		
15	64QAM	36	0	20.00	20.06	20.20	20.07	20.23		
15	64QAM	36	20	20.09	20.14	20.27	20.15	20.19	19.5	5
15	64QAM	36	39	19.91	20.17	20.27	19.94	20.09		
15	64QAM	75	0	19.94	20.05	20.28	20.05	20.19		
15	256QAM	1	0	17.91	18.03	18.09	18.02	18.04	19.5	5
15	256QAM	1	37	17.89	17.97	18.07	17.98	18.07		
15	256QAM	1	74	17.96	17.89	18.14	18.03	17.97		
15	256QAM	36	0	18.03	17.99	18.20	18.06	18.21	19.5	5
15	256QAM	36	20	18.12	18.05	18.12	18.07	18.12		
15	256QAM	36	39	17.99	18.12	18.17	17.87	18.11		
15	256QAM	75	0	17.92	18.08	18.10	17.96	18.16		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	23.01	23.09	23.25	23.04	23.24	24.50	0
10	QPSK	1	25	22.93	23.08	23.24	23.06	23.05		
10	QPSK	1	49	22.92	23.12	23.19	23.01	23.16		
10	QPSK	25	0	22.05	22.07	22.22	22.06	22.25	23.5	1
10	QPSK	25	12	22.07	22.13	22.16	22.04	22.12		
10	QPSK	25	25	22.00	22.18	22.13	22.04	22.04		
10	QPSK	50	0	21.97	22.00	22.16	22.03	22.05	23.5	1
10	16QAM	1	0	22.08	22.07	22.17	22.02	22.22		
10	16QAM	1	25	21.92	22.10	22.16	22.07	22.12		
10	16QAM	1	49	21.93	22.17	22.11	22.02	22.13	22.5	2
10	16QAM	25	0	21.06	21.13	21.21	21.03	21.27		
10	16QAM	25	12	21.11	21.14	21.22	21.15	21.21		
10	16QAM	25	25	21.02	21.15	21.20	21.06	21.09	22.5	2
10	16QAM	50	0	20.95	21.08	21.19	21.08	21.21		
10	64QAM	1	0	20.97	21.19	21.17	21.14	21.18		
10	64QAM	1	25	21.02	21.09	21.23	21.01	21.05	21.5	3
10	64QAM	1	49	21.00	21.04	21.18	21.08	21.09		
10	64QAM	25	0	20.06	20.10	20.18	20.07	20.24		
10	64QAM	25	12	20.10	20.10	20.21	20.11	20.16	19.5	5
10	64QAM	25	25	19.94	20.19	20.23	20.04	20.03		
10	64QAM	50	0	19.90	20.11	20.28	20.10	20.18		
10	256QAM	1	0	17.96	18.10	18.08	17.92	18.03	19.5	5
10	256QAM	1	25	17.81	17.94	18.07	17.91	17.98		
10	256QAM	1	49	17.89	17.92	18.08	17.98	18.00		
10	256QAM	25	0	18.09	18.05	18.26	18.03	18.19	19.5	5
10	256QAM	25	12	18.14	18.09	18.16	18.02	18.16		
10	256QAM	25	25	17.94	18.20	18.16	17.94	18.09		
10	256QAM	50	0	17.90	18.09	18.15	18.02	18.07		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	22.97	23.05	23.24	23.02	23.14	24.50	0
5	QPSK	1	12	22.94	23.03	23.15	23.06	23.12		
5	QPSK	1	24	22.91	23.13	23.15	23.08	23.11		
5	QPSK	12	0	21.97	22.10	22.25	22.07	22.22	23.5	1
5	QPSK	12	7	22.05	22.11	22.25	22.06	22.22		
5	QPSK	12	13	21.98	22.12	22.20	21.97	22.05		
5	QPSK	25	0	21.92	21.98	22.18	22.02	22.05	23.5	1
5	16QAM	1	0	22.11	22.05	22.14	22.04	22.16		
5	16QAM	1	12	21.95	22.04	22.15	22.07	22.15		
5	16QAM	1	24	21.90	22.16	22.08	21.97	22.11	22.5	2
5	16QAM	12	0	21.00	21.14	21.18	21.04	21.28		
5	16QAM	12	7	21.02	21.08	21.14	21.16	21.19		
5	16QAM	12	13	21.01	21.16	21.23	20.94	21.04	21.5	3
5	16QAM	25	0	20.96	21.09	21.18	21.06	21.09		
5	64QAM	1	0	20.95	21.16	21.19	21.10	21.21		
5	64QAM	1	12	20.91	20.98	21.20	21.03	21.12	22.5	2
5	64QAM	1	24	20.94	21.12	21.16	21.04	21.08		
5	64QAM	12	0	20.05	20.15	20.23	20.08	20.27		
5	64QAM	12	7	20.08	20.16	20.28	20.08	20.10	19.5	5
5	64QAM	12	13	19.91	20.20	20.16	20.01	20.09		
5	64QAM	25	0	19.93	20.10	20.19	20.11	20.10		
5	256QAM	1	0	17.96	18.06	18.16	17.98	18.16	19.5	5
5	256QAM	1	12	17.90	17.93	18.01	17.93	17.98		
5	256QAM	1	24	17.90	17.97	18.12	18.01	18.01		
5	256QAM	12	0	18.10	18.07	18.24	17.99	18.16	19.5	5
5	256QAM	12	7	18.15	18.03	18.18	18.06	18.19		
5	256QAM	12	13	18.01	18.18	18.25	17.88	18.12		
5	256QAM	25	0	17.86	18.01	18.13	17.98	18.18		

Band 42 Part 27Q Ant 5 DSI 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990	25.5	0	
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	24.56	24.59	24.54	24.5	1	
20	QPSK	1	49	24.54	24.57	24.51			
20	QPSK	1	99	24.52	24.56	24.49			
20	QPSK	50	0	23.53	23.57	23.52	24.5	1	
20	QPSK	50	24	23.57	23.56	23.57			
20	QPSK	50	50	23.54	23.55	23.45			
20	QPSK	100	0	23.52	23.55	23.54	24.5	1	
20	16QAM	1	0	23.53	23.57	23.52			
20	16QAM	1	49	23.59	23.58	23.46			
20	16QAM	1	99	23.52	23.60	23.46	23.5	2	
20	16QAM	50	0	22.48	22.56	22.51			
20	16QAM	50	24	22.52	22.50	22.51			
20	16QAM	50	50	22.59	22.52	22.48	23.5	2	
20	16QAM	100	0	22.47	22.56	22.53			
20	64QAM	1	0	22.53	22.56	22.57			
20	64QAM	1	49	22.50	22.56	22.50	22.5	3	
20	64QAM	1	99	22.51	22.60	22.45			
20	64QAM	50	0	21.58	21.61	21.53			
20	64QAM	50	24	21.54	21.58	21.59	20.5	5	
20	64QAM	50	50	21.55	21.61	21.41			
20	64QAM	100	0	21.55	21.52	21.55			
20	256QAM	1	0	19.55	19.56	19.49	20.5	5	
20	256QAM	1	49	19.54	19.56	19.53			
20	256QAM	1	99	19.54	19.61	19.48			
20	256QAM	50	0	19.57	19.59	19.52	20.5	5	
20	256QAM	50	24	19.52	19.54	19.61			
20	256QAM	50	50	19.53	19.56	19.48			
20	256QAM	100	0	19.55	19.57	19.56	Tune-up limit (dBm)	MPR (dB)	
Channel				42165	42590	43015			
Frequency (MHz)				3457.5	3500	3542.5	25.5	0	
15	QPSK	1	0	24.46	24.56	24.47			
15	QPSK	1	37	24.46	24.47	24.39			
15	QPSK	1	74	24.40	24.48	24.48			
15	QPSK	36	0	23.44	23.45	23.51	24.5	1	
15	QPSK	36	20	23.52	23.49	23.54			
15	QPSK	36	39	23.49	23.45	23.41			
15	QPSK	75	0	23.40	23.46	23.46	24.5	1	
15	16QAM	1	0	23.46	23.56	23.40			
15	16QAM	1	37	23.48	23.47	23.36			
15	16QAM	1	74	23.49	23.50	23.36	23.5	2	
15	16QAM	36	0	22.36	22.50	22.47			
15	16QAM	36	20	22.51	22.46	22.49			
15	16QAM	36	39	22.48	22.50	22.42	23.5	2	
15	16QAM	75	0	22.45	22.51	22.46			
15	64QAM	1	0	22.50	22.51	22.46			
15	64QAM	1	37	22.40	22.46	22.47	23.5	2	
15	64QAM	1	74	22.46	22.57	22.43			
15	64QAM	36	0	21.51	21.59	21.52			
15	64QAM	36	20	21.47	21.46	21.57	22.5	3	
15	64QAM	36	39	21.51	21.54	21.33			
15	64QAM	75	0	21.50	21.45	21.48			
15	256QAM	1	0	19.52	19.51	19.41	20.5	5	
15	256QAM	1	37	19.43	19.56	19.51			
15	256QAM	1	74	19.46	19.57	19.40			
15	256QAM	36	0	19.56	19.57	19.40	20.5	5	
15	256QAM	36	20	19.46	19.45	19.57			
15	256QAM	36	39	19.50	19.50	19.40			
15	256QAM	75	0	19.51	19.51	19.45	Tune-up limit (dBm)	MPR (dB)	
Channel				42140	42590	43040			
Frequency (MHz)				3455	3500	3545	25.5	0	
10	QPSK	1	0	24.51	24.58	24.43			
10	QPSK	1	25	24.47	24.50	24.43			
10	QPSK	1	49	24.49	24.55	24.41			
10	QPSK	25	0	23.44	23.56	23.45	24.5	1	
10	QPSK	25	12	23.52	23.45	23.50			
10	QPSK	25	25	23.49	23.50	23.43			
10	QPSK	50	0	23.44	23.53	23.50	24.5	1	
10	16QAM	1	0	23.49	23.45	23.44			
10	16QAM	1	25	23.52	23.47	23.45			
10	16QAM	1	49	23.40	23.60	23.44	23.5	2	
10	16QAM	25	0	22.44	22.55	22.48			
10	16QAM	25	12	22.44	22.39	22.46			
10	16QAM	25	25	22.56	22.49	22.41	23.5	2	
10	16QAM	50	0	22.41	22.54	22.51			
10	64QAM	1	0	22.48	22.54	22.50			
10	64QAM	1	25	22.49	22.49	22.46	22.5	3	
10	64QAM	1	49	22.41	22.56	22.36			
10	64QAM	25	0	21.55	21.57	21.48			
10	64QAM	25	12	21.49	21.54	21.51	20.5	5	
10	64QAM	25	25	21.49	21.50	21.30			
10	64QAM	50	0	21.43	21.47	21.49			
10	256QAM	1	0	19.45	19.52	19.42	20.5	5	
10	256QAM	1	25	19.50	19.53	19.45			
10	256QAM	1	49	19.53	19.51	19.37			
10	256QAM	25	0	19.49	19.52	19.47	20.5	5	
10	256QAM	25	12	19.44	19.44	19.50			
10	256QAM	25	25	19.46	19.48	19.43			
10	256QAM	50	0	19.49	19.55	19.52	Tune-up limit (dBm)	MPR (dB)	
Channel				42115	42590	43065			
Frequency (MHz)				3452.5	3500	3547.5	25.5	0	
5	QPSK	1	0	24.50	24.54	24.49			
5	QPSK	1	12	24.44	24.54	24.47			
5	QPSK	1	24	24.50	24.52	24.39			
5	QPSK	12	0	23.44	23.46	23.44	24.5	1	
5	QPSK	12	7	23.45	23.45	23.46			
5	QPSK	12	13	23.48	23.45	23.38			
5	QPSK	25	0	23.43	23.49	23.50	24.5	1	
5	16QAM	1	0	23.53	23.51	23.42			
5	16QAM	1	12	23.54	23.48	23.37			
5	16QAM	1	24	23.44	23.59	23.38	23.5	2	
5	16QAM	12	0	22.45	22.48	22.44			
5	16QAM	12	7	22.45	22.45	22.48			
5	16QAM	12	13	22.47	22.50	22.42	23.5	2	
5	16QAM	25	0	22.36	22.51	22.44			
5	64QAM	1	0	22.48	22.49	22.53			
5	64QAM	1	12	22.42	22.53	22.47	22.5	3	
5	64QAM	1	24	22.45	22.49	22.42			
5	64QAM	12	0	21.50	21.57	21.45			
5	64QAM	12	7	21.52	21.54	21.57	20.5	5	
5	64QAM	12	13	21.48	21.54	21.30			
5	64QAM	25	0	21.54	21.45	21.47			
5	256QAM	1	0	19.47	19.44	19.38	20.5	5	
5	256QAM	1	12	19.52	19.55	19.51			
5	256QAM	1	24	19.52	19.59	19.40			
5	256QAM	12	0	19.51	19.53	19.44	20.5	5	
5	256QAM	12	7	19.40	19.42	19.59			
5	256QAM	12	13	19.42	19.46	19.39			
5	256QAM	25	0	19.55	19.45	19.54			

Band 48 Ant 5 DSI 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640	25.5	0
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	24.41	24.46	24.34	24.38	25.5	0
20	QPSK	1	49	24.37	24.46	24.28	24.33		
20	QPSK	1	99	24.38	24.43	24.32	24.35		
20	QPSK	50	0	23.43	23.46	23.34	23.36		
20	QPSK	50	24	23.46	23.51	23.32	23.33	24.5	1
20	QPSK	50	50	23.41	23.49	23.32	23.32		
20	QPSK	100	0	23.42	23.45	23.35	23.38		
20	16QAM	1	0	23.47	23.42	23.31	23.41		
20	16QAM	1	49	23.33	23.45	23.29	23.34	24.5	1
20	16QAM	1	99	23.35	23.39	23.30	23.40		
20	16QAM	50	0	22.47	22.52	22.33	22.34		
20	16QAM	50	24	22.46	22.49	22.27	22.27		
20	16QAM	50	50	22.42	22.52	22.36	22.28	23.5	2
20	16QAM	100	0	22.41	22.46	22.34	22.33		
20	64QAM	1	0	22.37	22.45	22.34	22.36		
20	64QAM	1	49	22.38	22.48	22.24	22.32		
20	64QAM	1	99	22.43	22.48	22.29	22.38	22.5	3
20	64QAM	50	0	21.44	21.50	21.36	21.40		
20	64QAM	50	24	21.47	21.48	21.30	21.32		
20	64QAM	50	50	21.40	21.52	21.33	21.29		
20	64QAM	100	0	21.43	21.47	21.30	21.38	20.5	5
20	256QAM	1	0	19.38	19.48	19.33	19.41		
20	256QAM	1	49	19.41	19.47	19.26	19.28		
20	256QAM	1	99	19.34	19.38	19.31	19.32		
20	256QAM	50	0	19.37	19.48	19.34	19.35	20.5	5
20	256QAM	50	24	19.47	19.47	19.31	19.32		
20	256QAM	50	50	19.40	19.44	19.32	19.35		
20	256QAM	100	0	19.40	19.44	19.35	19.35		
Channel				55315	55820	56160	56655	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5	25.5 <th rowspan="2">0</th>	0
15	QPSK	1	0	24.33	24.43	24.30	24.34		
15	QPSK	1	37	24.34	24.45	24.21	24.31	24.5	1
15	QPSK	1	74	24.29	24.40	24.25	24.29		
15	QPSK	36	0	23.36	23.44	23.32	23.30		
15	QPSK	36	20	23.39	23.47	23.30	23.32		
15	QPSK	36	39	23.34	23.45	23.24	23.22	24.5	1
15	QPSK	75	0	23.41	23.39	23.31	23.33		
15	16QAM	1	0	23.36	23.31	23.27	23.31		
15	16QAM	1	37	23.21	23.35	23.24	23.27		
15	16QAM	1	74	23.24	23.37	23.18	23.34	23.5	2
15	16QAM	36	0	22.42	22.48	22.29	22.22		
15	16QAM	36	20	22.46	22.47	22.17	22.23		
15	16QAM	36	39	22.34	22.50	22.32	22.24		
15	16QAM	75	0	22.38	22.38	22.24	22.23	23.5	2
15	64QAM	1	0	22.29	22.41	22.30	22.28		
15	64QAM	1	37	22.34	22.38	22.17	22.22		
15	64QAM	1	74	22.36	22.47	22.25	22.35		
15	64QAM	36	0	21.39	21.48	21.24	21.35	22.5	3
15	64QAM	36	20	21.43	21.36	21.25	21.28		
15	64QAM	36	39	21.35	21.47	21.25	21.21		
15	64QAM	75	0	21.34	21.43	21.28	21.35		
15	256QAM	1	0	19.29	19.42	19.24	19.37	20.5	5
15	256QAM	1	37	19.36	19.40	19.19	19.24		
15	256QAM	1	74	19.22	19.37	19.31	19.20		
15	256QAM	36	0	19.28	19.44	19.33	19.26		
15	256QAM	36	20	19.40	19.41	19.24	19.26	20.5	5
15	256QAM	36	39	19.34	19.33	19.32	19.34		
15	256QAM	75	0	19.38	19.41	19.34	19.24		
Channel				55290	55815	56165	56690		
Frequency (MHz)				3555 <th>3607.5<th>3642.5<th>3695</th><th rowspan="2">25.5<th rowspan="2">0</th></th></th></th>	3607.5 <th>3642.5<th>3695</th><th rowspan="2">25.5<th rowspan="2">0</th></th></th>	3642.5 <th>3695</th> <th rowspan="2">25.5<th rowspan="2">0</th></th>	3695	25.5 <th rowspan="2">0</th>	0
10	QPSK	1	0	24.37	24.46	24.27	24.26		
10	QPSK	1	25	24.34	24.37	24.19	24.22	24.5	1
10	QPSK	1	49	24.34	24.33	24.26	24.31		
10	QPSK	25	0	23.38	23.38	23.33	23.25		
10	QPSK	25	12	23.42	23.43	23.23	23.22		
10	QPSK	25	25	23.29	23.38	23.31	23.22	24.5	1
10	QPSK	50	0	23.35	23.37	23.34	23.32		
10	16QAM	1	0	23.40	23.31	23.28	23.34		
10	16QAM	1	25	23.33	23.40	23.26	23.34		
10	16QAM	1	49	23.24	23.27	23.26	23.35	23.5	2
10	16QAM	25	0	22.39	22.46	22.29	22.30		
10	16QAM	25	12	22.43	22.40	22.25	22.20		
10	16QAM	25	25	22.30	22.41	22.31	22.16		
10	16QAM	50	0	22.32	22.37	22.25	22.31	23.5	2
10	64QAM	1	0	22.37	22.45	22.29	22.30		
10	64QAM	1	25	22.34	22.41	22.22	22.30		
10	64QAM	1	49	22.41	22.37	22.25	22.31		
10	64QAM	25	0	21.40	21.48	21.35	21.30	22.5	3
10	64QAM	25	12	21.40	21.45	21.22	21.25		
10	64QAM	25	25	21.38	21.42	21.22	21.25		
10	64QAM	50	0	21.43	21.47	21.23	21.37		
10	256QAM	1	0	19.31	19.38	19.23	19.37	20.5	5
10	256QAM	1	25	19.36	19.41	19.25	19.28		
10	256QAM	1	49	19.30	19.38	19.25	19.32		
10	256QAM	25	0	19.33	19.42	19.31	19.23		
10	256QAM	25	12	19.38	19.40	19.28	19.22	20.5	5
10	256QAM	25	25	19.39	19.35	19.26	19.29		
10	256QAM	50	0	19.30	19.37	19.26	19.23		
Channel				55265	55810	56170	56715 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th>		
Frequency (MHz)				3532.5	3607	3643	3697.5	25.5 <th rowspan="2">0</th>	0
5	QPSK	1	0	24.30	24.42	24.33	24.32		
5	QPSK	1	12	24.30	24.34	24.16	24.29	24.5	1
5	QPSK	12	0	23.41	23.37	24.26	24.35		
5	QPSK	12	7	23.40	23.48	23.24	23.25		
5	QPSK	12	13	23.35	23.38	23.30	23.27		
5	QPSK	25	0	23.34	23.41	23.26	23.37	24.5	1
5	16QAM	1	0	23.46	23.36	23.23	23.30		
5	16QAM	1	12	23.24	23.36	23.17	23.29		
5	16QAM	1	24	23.30	23.32	23.29	23.35		
5	16QAM	12	0	22.43	22.43	22.31	22.33	23.5	2
5	16QAM	12	7	22.42	22.46	22.25	22.21		
5	16QAM	12	13	22.38	22.48	22.29	22.26		
5	16QAM	25	0	22.32	22.46	22.25	22.28		
5	64QAM	1	0	22.27	22.36	22.24	22.35	23.5	2
5	64QAM	1	12	22.30	22.40	22.19	22.21		
5	64QAM	1	24	22.38	22.45	22.18	22.36		
5	64QAM	12	0	21.34	21.46	21.29	21.36		
5	64QAM	12	7	21.37	21.41	21.29	21.26	22.5	3
5	64QAM	12	13	21.32	21.42	21.32	21.30		
5	64QAM	25	0	21.39	21.46	21.19	21.33		
5	256QAM	1	0	19.31	19.47	19.31	19.33		
5	256QAM	1	12	19.30	19.36	19.16	19.28	20.5	5
5	256QAM	1	24	19.32	19.30	19.22	19.25		
5	256QAM	12	0	19.33	19.46	19.27	19.28		
5	256QAM	12	7	19.39	19.46	19.20	19.30		
5	256QAM	12	13	19.30	19.38	19.31	19.28	20.5	5
5	256QAM	25	0	19.36	19.35	19.33	19.24		

Band 42 Part 27Q Ant 7 DSI 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	20.79	20.81	20.75	22	0	
20	QPSK	1	49	20.70	20.78	20.68			
20	QPSK	1	99	20.74	20.69	20.68			
20	QPSK	50	0	20.66	20.78	20.64	22	0	
20	QPSK	50	24	20.71	20.72	20.62			
20	QPSK	50	50	20.68	20.75	20.65			
20	QPSK	100	0	20.75	20.75	20.72	22	0	
20	16QAM	1	0	20.65	20.69	20.73			
20	16QAM	1	49	20.66	20.75	20.56			
20	16QAM	1	99	20.61	20.59	20.66	22	0	
20	16QAM	50	0	20.62	20.69	20.52			
20	16QAM	50	24	20.68	20.59	20.57			
20	16QAM	50	50	20.66	20.72	20.62	22	0	
20	16QAM	100	0	20.68	20.68	20.65			
20	64QAM	1	0	20.74	20.70	20.67			
20	64QAM	1	49	20.64	20.73	20.56	22	0	
20	64QAM	1	99	20.66	20.63	20.58			
20	64QAM	50	0	19.73	19.78	19.72			
20	64QAM	50	24	19.65	19.78	19.71	21	1	
20	64QAM	50	50	19.71	19.74	19.74			
20	64QAM	100	0	19.63	19.77	19.66			
20	256QAM	1	0	17.83	17.79	17.69	19	3	
20	256QAM	1	49	17.69	17.73	17.62			
20	256QAM	1	99	17.76	17.71	17.62			
20	256QAM	50	0	17.70	17.76	17.65	19	3	
20	256QAM	50	24	17.69	17.68	17.58			
20	256QAM	50	50	17.71	17.80	17.63			
20	256QAM	100	0	17.72	17.71	17.75	Tune-up limit (dBm)	MPR (dB)	
Channel				42165	42590	43015			
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	20.69	20.75	20.61	22	0	
15	QPSK	1	37	20.57	20.66	20.65			
15	QPSK	1	74	20.65	20.62	20.56			
15	QPSK	36	0	20.62	20.67	20.55	22	0	
15	QPSK	36	20	20.63	20.64	20.51			
15	QPSK	36	39	20.66	20.71	20.58			
15	QPSK	75	0	20.73	20.65	20.64	22	0	
15	16QAM	1	0	20.62	20.56	20.69			
15	16QAM	1	37	20.60	20.66	20.45			
15	16QAM	1	74	20.48	20.48	20.63	22	0	
15	16QAM	36	0	20.54	20.57	20.45			
15	16QAM	36	20	20.65	20.45	20.50			
15	16QAM	36	39	20.54	20.58	20.49	22	0	
15	16QAM	75	0	20.66	20.56	20.60			
15	64QAM	1	0	20.65	20.57	20.56			
15	64QAM	1	37	20.52	20.69	20.51	22	0	
15	64QAM	1	74	20.58	20.60	20.53			
15	64QAM	36	0	19.70	19.72	19.59			
15	64QAM	36	20	19.60	19.74	19.65	21	1	
15	64QAM	36	39	19.65	19.65	19.71			
15	64QAM	75	0	19.56	19.64	19.61			
15	256QAM	1	0	17.70	17.68	17.55	19	3	
15	256QAM	1	37	17.66	17.66	17.58			
15	256QAM	1	74	17.64	17.61	17.59			
15	256QAM	36	0	17.59	17.65	17.54	19	3	
15	256QAM	36	20	17.57	17.62	17.49			
15	256QAM	36	39	17.69	17.73	17.56			
15	256QAM	75	0	17.64	17.64	17.67	Tune-up limit (dBm)	MPR (dB)	
Channel				42140	42590	43040			
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	20.69	20.69	20.67	22	0	
10	QPSK	1	25	20.66	20.72	20.65			
10	QPSK	1	49	20.63	20.66	20.57			
10	QPSK	25	0	20.58	20.72	20.54	22	0	
10	QPSK	25	12	20.57	20.68	20.58			
10	QPSK	25	25	20.55	20.70	20.57			
10	QPSK	50	0	20.72	20.66	20.67	22	0	
10	16QAM	1	0	20.61	20.57	20.70			
10	16QAM	1	25	20.62	20.70	20.51			
10	16QAM	1	49	20.55	20.47	20.64	22	0	
10	16QAM	25	0	20.51	20.58	20.49			
10	16QAM	25	12	20.57	20.56	20.49			
10	16QAM	25	25	20.63	20.64	20.56	22	0	
10	16QAM	50	0	20.60	20.55	20.54			
10	64QAM	1	0	20.61	20.56	20.59			
10	64QAM	1	25	20.58	20.63	20.54	22	0	
10	64QAM	1	49	20.60	20.53	20.45			
10	64QAM	25	0	19.69	19.69	19.64			
10	64QAM	25	12	19.59	19.68	19.63	21	1	
10	64QAM	25	25	19.69	19.71	19.69			
10	64QAM	50	0	19.52	19.68	19.63			
10	256QAM	1	0	17.72	17.71	17.59	19	3	
10	256QAM	1	25	17.58	17.69	17.53			
10	256QAM	1	49	17.70	17.59	17.48			
10	256QAM	25	0	17.61	17.73	17.54	19	3	
10	256QAM	25	12	17.59	17.63	17.50			
10	256QAM	25	25	17.57	17.78	17.53			
10	256QAM	50	0	17.62	17.57	17.64	Tune-up limit (dBm)	MPR (dB)	
Channel				42115	42590	43065			
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	20.73	20.67	20.71	22	0	
5	QPSK	1	12	20.64	20.68	20.65			
5	QPSK	1	24	20.71	20.59	20.56			
5	QPSK	12	0	20.58	20.65	20.54	22	0	
5	QPSK	12	7	20.67	20.70	20.52			
5	QPSK	12	13	20.54	20.70	20.52			
5	QPSK	25	0	20.66	20.72	20.66	22	0	
5	16QAM	1	0	20.55	20.63	20.71			
5	16QAM	1	12	20.52	20.63	20.43			
5	16QAM	1	24	20.58	20.50	20.63	22	0	
5	16QAM	12	0	20.52	20.59	20.48			
5	16QAM	12	7	20.57	20.51	20.53			
5	16QAM	12	13	20.62	20.70	20.55	22	0	
5	16QAM	25	0	20.64	20.59	20.59			
5	64QAM	1	0	20.69	20.66	20.60			
5	64QAM	1	12	20.52	20.71	20.50	22	0	
5	64QAM	1	24	20.61	20.56	20.48			
5	64QAM	12	0	19.66	19.76	19.63			
5	64QAM	12	7	19.63	19.71	19.62	21	1	
5	64QAM	12	13	19.59	19.64	19.69			
5	64QAM	25	0	19.53	19.68	19.54			
5	256QAM	1	0	17.81	17.66	17.57	19	3	
5	256QAM	1	12	17.58	17.67	17.57			
5	256QAM	1	24	17.71	17.62	17.60			
5	256QAM	12	0	17.64	17.70	17.63	19	3	
5	256QAM	12	7	17.64	17.58	17.45			
5	256QAM	12	13	17.64	17.76	17.52			
5	256QAM	25	0	17.70	17.67	17.61			

Band 48 Ant 7 DSI 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	22.15	22.23	22.20	22.16	23.5	0
20	QPSK	1	49	22.05	22.16	22.12	22.06		
20	QPSK	1	99	22.03	22.12	22.16	22.10		
20	QPSK	50	0	21.18	21.25	21.15	21.16		
20	QPSK	50	24	21.06	21.12	21.17	21.06	22.5	1
20	QPSK	50	50	21.02	21.15	21.21	21.05		
20	QPSK	100	0	21.11	21.21	21.19	21.19	22.5	1
20	16QAM	1	0	21.19	21.18	21.24	21.15		
20	16QAM	1	49	21.03	21.17	21.08	21.01		
20	16QAM	1	99	21.00	21.17	21.22	21.15		
20	16QAM	50	0	20.16	20.22	20.15	20.13	21.5	2
20	16QAM	50	24	20.03	20.16	20.15	20.08		
20	16QAM	50	50	19.97	20.20	20.17	20.01		
20	16QAM	100	0	20.14	20.20	20.24	20.14		
20	16QAM	1	0	20.19	20.13	20.26	20.17	21.5	2
20	16QAM	1	49	20.07	20.14	20.12	19.96		
20	16QAM	1	99	19.99	20.14	20.26	20.17		
20	16QAM	50	0	19.17	19.23	19.18	19.13		
20	16QAM	50	24	19.00	19.11	19.20	19.02	20.5	3
20	16QAM	50	50	19.01	19.12	19.25	19.07		
20	16QAM	100	0	19.08	19.16	19.20	19.13		
20	256QAM	1	0	17.17	17.24	17.12	17.19		
20	256QAM	1	49	17.06	17.13	17.15	17.04	18.5	5
20	256QAM	1	99	16.98	17.20	17.17	17.00		
20	256QAM	50	0	17.10	17.22	17.20	17.21		
20	256QAM	50	24	17.25	17.24	17.24	17.14		
20	256QAM	50	50	16.99	17.18	17.03	17.04	18.5	5
20	256QAM	100	0	16.99	17.19	17.26	17.19		
Channel				55315	55820	56166	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	22.04	22.20	22.10	22.10	23.5	0
15	QPSK	1	37	22.02	22.13	21.99	21.97		
15	QPSK	1	74	21.90	22.01	22.07	22.02		
15	QPSK	36	0	21.13	21.19	21.10	21.11		
15	QPSK	36	20	21.02	21.08	21.14	21.06	22.5	1
15	QPSK	36	39	20.89	20.93	21.19	20.94		
15	QPSK	75	0	21.04	21.15	21.16	21.05		
15	16QAM	1	0	21.07	21.16	21.20	21.08		
15	16QAM	1	37	20.96	21.05	20.97	20.96	22.5	1
15	16QAM	1	74	20.91	21.10	21.16	21.04		
15	16QAM	36	0	20.06	20.11	20.08	20.08		
15	16QAM	36	20	19.92	20.03	20.01	19.98		
15	16QAM	36	39	19.89	20.13	20.08	19.91	21.5	2
15	16QAM	75	0	20.11	20.06	20.21	20.03		
15	16QAM	1	0	20.16	20.03	20.19	20.06		
15	16QAM	1	37	19.98	20.09	20.03	19.91		
15	16QAM	1	74	19.90	20.01	20.22	20.05	21.5	2
15	16QAM	36	0	19.11	19.12	19.04	19.01		
15	16QAM	36	20	18.91	18.98	19.18	18.90		
15	16QAM	36	39	18.91	19.03	19.15	18.92		
15	16QAM	75	0	18.98	19.08	19.17	19.01	20.5	3
15	256QAM	1	0	17.04	17.18	17.03	17.11		
15	256QAM	1	37	16.94	17.00	17.10	17.01		
15	256QAM	1	74	16.90	17.10	17.10	16.84		
15	256QAM	36	0	17.00	17.17	17.13	17.16	18.5	5
15	256QAM	36	20	17.22	17.18	17.16	17.10		
15	256QAM	36	39	16.90	17.11	16.90	16.99		
15	256QAM	75	0	16.86	17.16	17.24	17.10		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	22.11	22.18	22.09	22.10	23.5	0
10	QPSK	1	25	21.96	22.09	22.07	21.96		
10	QPSK	1	49	21.96	22.09	22.03	21.98		
10	QPSK	25	0	21.11	21.17	21.13	21.12		
10	QPSK	25	12	21.00	21.05	21.06	21.01	22.5	1
10	QPSK	25	25	20.96	21.11	21.15	20.97		
10	QPSK	50	0	21.07	21.10	21.12	21.06		
10	16QAM	1	0	21.14	21.06	21.13	21.04		
10	16QAM	1	25	20.99	21.12	21.04	20.92	22.5	1
10	16QAM	1	49	20.95	21.10	21.10	21.05		
10	16QAM	25	0	20.05	20.15	20.06	20.05		
10	16QAM	25	12	20.00	20.05	20.12	19.97		
10	16QAM	25	25	19.83	20.11	20.04	19.80	21.5	2
10	16QAM	50	0	20.09	20.15	20.13	20.08		
10	16QAM	1	0	20.16	20.01	20.16	20.04		
10	16QAM	1	25	19.93	20.03	20.03	19.84		
10	16QAM	1	49	19.93	20.08	20.20	19.12	21.5	2
10	16QAM	25	0	19.12	19.13	19.08	19.01		
10	16QAM	25	12	18.87	19.07	19.11	18.98		
10	16QAM	25	25	18.92	19.04	19.23	19.05		
10	16QAM	50	0	18.96	19.14	19.08	19.11	20.5	3
10	256QAM	1	0	17.14	17.17	17.02	17.17		
10	256QAM	1	25	17.00	17.09	17.12	16.98		
10	256QAM	1	49	16.87	17.09	17.04	16.95		
10	256QAM	25	0	16.97	17.17	17.14	17.08	18.5	5
10	256QAM	25	12	17.18	17.10	17.16	17.07		
10	256QAM	25	25	16.96	17.04	16.92	16.90		
10	256QAM	50	0	16.90	17.07	17.14	17.14		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	22.10	22.11	22.13	22.08	23.5	0
5	QPSK	1	12	21.95	22.08	22.05	21.98		
5	QPSK	1	24	22.00	22.04	22.06	22.06		
5	QPSK	12	0	21.05	21.23	21.06	21.05		
5	QPSK	12	7	20.96	21.10	21.03	20.94	22.5	1
5	QPSK	12	13	20.94	21.03	21.18	20.92		
5	QPSK	25	0	21.09	21.16	21.08	21.16		
5	16QAM	1	0	21.13	21.14	21.20	21.09		
5	16QAM	1	12	20.99	21.08	20.97	20.91	22.5	1
5	16QAM	1	24	20.89	21.09	21.11	21.07		
5	16QAM	12	0	20.09	20.11	20.08	20.10		
5	16QAM	12	7	19.92	20.05	20.08	19.97		
5	16QAM	12	13	19.94	20.08	20.08	19.87	21.5	2
5	16QAM	25	0	20.04	20.11	20.14	20.08		
5	16QAM	1	0	20.14	20.11	20.23	20.04		
5	16QAM	1	12	20.04	20.04	20.08	19.89		
5	16QAM	1	24	19.94	20.01	20.23	20.15	21.5	2
5	16QAM	12	0	19.14	19.14	19.13	19.04		
5	16QAM	12	7	18.97	18.98	19.09	18.97		
5	16QAM	12	13	18.89	19.09	19.14	18.96		
5	16QAM	25	0	19.01	19.05	19.07	19.10	20.5	3
5	256QAM	1	0	17.05	17.18	17.08	17.16		
5	256QAM	1	12	16.95	17.05	17.04	16.91		
5	256QAM	1	24	16.90	17.08	17.06	16.86		
5	256QAM	12	0	16.97	17.17	17.14	17.07	18.5	5
5	256QAM	12	7	17.21	17.17	17.14	17.05		
5	256QAM	12	13	16.92	17.12	16.95	16.98		
5	256QAM	25	0	16.89	17.17	17.12	17.17		

Reduced Power Mode for Main PA DSI2 ENDC									
Band 7 Ant 3 DSI 2 for ENDC									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	22.79	22.81	22.75	23.5	0	
20	QPSK	1	49	22.69	22.76	22.69			
20	QPSK	1	99	22.72	22.74	22.67			
20	QPSK	50	0	22.69	22.76	22.71	23.5	0	
20	QPSK	50	24	22.56	22.68	22.63			
20	QPSK	50	50	22.62	22.64	22.62			
20	QPSK	100	0	22.63	22.75	22.64	23.5	0	
20	16QAM	1	0	22.64	22.73	22.69			
20	16QAM	1	49	22.50	22.73	22.62			
20	16QAM	1	99	22.59	22.69	22.58	22.5	1	
20	16QAM	50	0	21.69	21.80	21.67			
20	16QAM	50	24	21.58	21.66	21.67			
20	16QAM	50	50	21.60	21.64	21.58	22.5	1	
20	16QAM	100	0	21.62	21.80	21.60			
20	64QAM	1	0	21.67	21.79	21.65			
20	64QAM	1	49	21.52	21.78	21.63	21.5	2	
20	64QAM	1	99	21.57	21.72	21.61			
20	64QAM	50	0	20.71	20.75	20.74			
20	64QAM	50	24	20.51	20.74	20.67	19.5	4	
20	64QAM	50	50	20.65	20.59	20.64			
20	64QAM	100	0	20.59	20.73	20.66			
20	256QAM	1	0	18.73	18.72	18.68	19.5	4	
20	256QAM	1	49	18.55	18.66	18.67			
20	256QAM	1	99	18.59	18.65	18.62			
20	256QAM	50	0	18.67	18.70	18.64	19.5	4	
20	256QAM	50	24	18.64	18.71	18.74			
20	256QAM	50	50	18.46	18.77	18.67			
20	256QAM	100	0	18.56	18.71	18.58			
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	22.72	22.79	22.70	23.5	0	
15	QPSK	1	37	22.62	22.73	22.61			
15	QPSK	1	74	22.73	22.65	22.66			
15	QPSK	36	0	22.67	22.66	22.61	23.5	0	
15	QPSK	36	20	22.50	22.57	22.51			
15	QPSK	36	39	22.63	22.57	22.49			
15	QPSK	75	0	22.55	22.65	22.59	23.5	0	
15	16QAM	1	0	22.56	22.69	22.63			
15	16QAM	1	37	22.42	22.65	22.55			
15	16QAM	1	74	22.46	22.65	22.53	22.5	1	
15	16QAM	36	0	21.60	21.74	21.57			
15	16QAM	36	20	21.56	21.63	21.56			
15	16QAM	36	39	21.47	21.61	21.44	22.5	1	
15	16QAM	75	0	21.52	21.76	21.50			
15	64QAM	1	0	21.61	21.71	21.59			
15	64QAM	1	37	21.49	21.68	21.58	21.5	2	
15	64QAM	1	74	21.46	21.65	21.47			
15	64QAM	36	0	20.62	20.69	20.72			
15	64QAM	36	20	20.48	20.63	20.54	19.5	4	
15	64QAM	36	39	20.54	20.40	20.53			
15	64QAM	75	0	20.49	20.64	20.60			
15	256QAM	1	0	18.60	18.70	18.62	19.5	4	
15	256QAM	1	37	18.45	18.58	18.57			
15	256QAM	1	74	18.55	18.63	18.51			
15	256QAM	36	0	18.65	18.61	18.61	19.5	4	
15	256QAM	36	20	18.51	18.57	18.69			
15	256QAM	36	39	18.41	18.67	18.61			
15	256QAM	75	0	18.46	18.61	18.49			
Channel				20800	21100	21400			
Frequency (MHz)				2505	2535	2565	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	22.80	22.74	22.70	23.5	0	
10	QPSK	1	25	22.66	22.76	22.68			
10	QPSK	1	49	22.66	22.76	22.70			
10	QPSK	25	0	22.62	22.65	22.60	23.5	0	
10	QPSK	25	12	22.54	22.64	22.59			
10	QPSK	25	25	22.56	22.52	22.58			
10	QPSK	50	0	22.56	22.69	22.62	23.5	0	
10	16QAM	1	0	22.52	22.60	22.66			
10	16QAM	1	25	22.39	22.65	22.57			
10	16QAM	1	49	22.54	22.67	22.49	22.5	1	
10	16QAM	25	0	21.60	21.73	21.60			
10	16QAM	25	12	21.48	21.57	21.64			
10	16QAM	25	25	21.57	21.57	21.55	22.5	1	
10	16QAM	50	0	21.52	21.78	21.48			
10	64QAM	1	0	21.54	21.67	21.60			
10	64QAM	1	25	21.49	21.74	21.59	21.5	2	
10	64QAM	1	49	21.43	21.63	21.57			
10	64QAM	25	0	20.68	20.73	20.70			
10	64QAM	25	12	20.39	20.61	20.64	19.5	4	
10	64QAM	25	25	20.58	20.47	20.61			
10	64QAM	50	0	20.47	20.64	20.62			
10	256QAM	1	0	18.71	18.62	18.59	19.5	4	
10	256QAM	1	25	18.53	18.56	18.64			
10	256QAM	1	49	18.47	18.54	18.48			
10	256QAM	25	0	18.55	18.58	18.62	19.5	4	
10	256QAM	25	12	18.62	18.68	18.69			
10	256QAM	25	25	18.44	18.65	18.54			
10	256QAM	50	0	18.49	18.69	18.51			
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	22.76	22.79	22.69	23.5	0	
5	QPSK	1	12	22.70	22.75	22.61			
5	QPSK	1	24	22.65	22.71	22.69			
5	QPSK	12	0	22.59	22.65	22.67	23.5	0	
5	QPSK	12	7	22.46	22.56	22.57			
5	QPSK	12	13	22.53	22.57	22.50			
5	QPSK	25	0	22.53	22.62	22.61	23.5	0	
5	16QAM	1	0	22.56	22.61	22.65			
5	16QAM	1	12	22.41	22.61	22.56			
5	16QAM	1	24	22.47	22.56	22.46	22.5	1	
5	16QAM	12	0	21.60	21.71	21.64			
5	16QAM	12	7	21.45	21.53	21.59			
5	16QAM	12	13	21.55	21.61	21.55	22.5	1	
5	16QAM	25	0	21.49	21.72	21.47			
5	64QAM	1	0	21.63	21.66	21.53			
5	64QAM	1	12	21.40	21.71	21.33	21.5	2	
5	64QAM	1	24	21.50	21.61	21.53			
5	64QAM	12	0	20.57	20.73	20.70			
5	64QAM	12	7	20.40	20.64	20.54	19.5	4	
5	64QAM	12	13	20.53	20.47	20.51			
5	64QAM	25	0	20.54	20.70	20.63			
5	256QAM	1	0	18.71	18.65	18.62	19.5	4	
5	256QAM	1	12	18.52	18.55	18.57			
5	256QAM	1	24	18.54	18.63	18.53			
5	256QAM	12	0	18.62	18.65	18.59	19.5	4	
5	256QAM	12	7	18.50	18.64	18.65			
5	256QAM	12	13	18.34	18.74	18.63			
5	256QAM	25	0	18.46	18.60	18.47			

Reduced Power Mode for DSI3_Main PA

GSM1900 Ant 1 DSI 3	Burst-Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel	128	189	251	128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.26	32.29	32.28	33.50	23.26	23.29	23.28	24.50
GPRS 1 Tx slot	32.24	32.26	32.24	33.50	23.24	23.26	23.24	24.50
GPRS 2 Tx slot	31.43	31.53	31.51	32.50	25.43	25.53	25.51	26.50
GPRS 3 Tx slot	29.67	29.75	29.77	31.00	25.41	25.49	25.51	26.74
GPRS 4 Tx slot	28.63	28.67	28.73	30.00	25.63	25.67	25.73	27.00
EDGE 1 Tx slot	29.87	29.89	29.94	28.00	17.87	17.89	17.94	19.00
EDGE 2 Tx slot	23.95	23.99	23.90	25.00	17.95	17.99	17.90	19.00
EDGE 3 Tx slot	22.09	22.15	22.13	23.20	17.83	17.89	17.87	18.94
EDGE 4 Tx slot	20.83	20.88	20.94	22.00	17.83	17.88	17.94	19.00

GSM1900 Ant 1 DSI 3	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)	1057.2	1057.2	1057.2		1057.2	1057.2	1057.2	
GSM 1 Tx slot	29.18	29.45	29.43	30.50	20.18	20.45	20.43	21.50
GPRS 1 Tx slot	29.31	29.38	29.36	30.50	20.31	20.38	20.36	21.50
GPRS 2 Tx slot	26.90	26.97	26.86	28.00	20.90	20.97	20.86	22.00
GPRS 3 Tx slot	24.90	24.95	24.99	28.20	20.84	20.89	20.93	21.94
GPRS 4 Tx slot	23.55	23.62	23.54	25.00	20.55	20.62	20.54	22.00
EDGE 1 Tx slot	25.84	25.90	25.81	27.00	16.84	16.90	16.81	18.00
EDGE 2 Tx slot	22.85	22.88	22.80	24.00	16.85	16.88	16.80	18.00
EDGE 3 Tx slot	21.02	21.08	21.01	22.20	16.76	16.82	16.76	17.94
EDGE 4 Tx slot	19.82	19.87	19.82	21.00	16.82	16.87	16.82	18.00

Band	WCDMA V Ant 1 DSI 3				Tune-up Limit (dBm)	WCDMA V Ant 1 DSI 3				Tune-up Limit (dBm)	WCDMA V Ant 1 DSI 3				Tune-up Limit (dBm)
	Rx Channel	9682	9800	9908		1312	1413	1513	4132		4182	4233			
Frequency (MHz)		1852.4	1860	1867.6		1712.4	1726.6	1742.6		4357	4407	4458			
IGPP Rel 99	AMR 12.2kps	18.93	19.00	18.93	20.00	18.53	18.90	18.78	20.00	24.35	24.46	24.35	25.50		
IGPP Rel 99	RM-C 12.2kps	18.86	19.01	18.97	20.00	18.93	18.97	18.93	20.00	24.48	24.50	24.44	25.50		
IGPP Rel 6	HSDPA Subtest-1	17.81	18.00	17.95	19.00	17.96	17.99	17.98	19.00	23.52	23.54	23.46	24.50		
IGPP Rel 6	HSDPA Subtest-2	17.91	18.04	17.87	19.00	17.91	18.02	17.95	19.00	23.50	23.47	23.43	24.50		
IGPP Rel 6	HSDPA Subtest-3	17.36	17.47	17.42	18.50	17.51	17.50	17.42	18.50	22.94	23.01	22.90	24.00		
IGPP Rel 6	HSDPA Subtest-4	17.40	17.54	17.42	18.50	17.47	17.49	17.38	18.50	23.01	22.98	22.91	24.00		
IGPP Rel 6	DC-HSDPA Subtest-1	17.84	18.06	17.92	19.00	17.98	18.01	17.96	19.00	23.46	23.56	23.41	24.50		
IGPP Rel 6	DC-HSDPA Subtest-2	17.84	17.97	17.94	19.00	17.99	18.02	17.94	19.00	23.47	23.53	23.48	24.50		
IGPP Rel 6	DC-HSDPA Subtest-3	17.33	17.51	17.42	18.50	17.50	17.46	17.40	18.50	23.01	23.04	22.94	24.00		
IGPP Rel 6	DC-HSDPA Subtest-4	17.36	17.52	17.42	18.50	17.44	17.44	17.45	18.50	23.01	23.01	22.97	24.00		
IGPP Rel 6	HSPA Subtest-1	17.85	17.95	18.00	19.00	18.00	17.96	17.90	19.00	23.49	23.52	23.42	24.50		
IGPP Rel 6	HSPA Subtest-2	15.83	16.00	15.96	17.00	15.98	15.95	15.92	17.00	21.48	21.50	21.41	22.50		
IGPP Rel 6	HSPA Subtest-3	16.83	17.02	16.92	18.00	16.98	16.96	16.93	18.00	22.51	22.49	22.39	23.50		
IGPP Rel 6	HSPA Subtest-4	15.90	16.01	16.03	17.00	15.98	16.01	15.95	17.00	21.48	21.51	21.45	22.50		
IGPP Rel 6	HSPA Subtest-5	17.87	18.01	18.00	19.00	17.90	17.98	17.88	19.00	23.45	23.49	23.49	24.50		
IGPP Rel 7	HSPA+ (16QAM) Subtest-1	15.33	15.49	15.52	16.50	15.41	15.44	15.46	16.50	20.96	21.01	20.97	22.00		

Band 2 Ant 1 DSI 3										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Med Ch./Freq.	Power High Ch./Freq.	Turn-up Int. (dB)	MPE (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	18.65	19.03	19.92				
20	QPSK	1	49	18.63	19.01	18.82	20	0		
20	QPSK	1	99	18.62	18.91	18.79				
20	QPSK	50	0	18.91	19.01	19.84				
20	QPSK	50	24	18.83	18.99	18.88				
20	QPSK	50	50	18.67	18.93	18.82	20	0		
20	QPSK	100	0	18.92	18.99	18.83				
20	QPSK	100	24	18.85	18.97	18.89				
20	HQAM	1	49	18.70	18.93	18.68	20	0		
20	HQAM	1	99	18.84	18.85	18.70				
20	HQAM	50	0	18.97	18.97	18.77				
20	HQAM	50	24	18.77	18.95	18.81	20	0		
20	HQAM	50	50	18.81	18.80	18.72				
20	HQAM	100	0	18.96	18.95	18.77				
20	HQAM	1	0	18.99	18.98	18.90				
20	HQAM	1	49	18.78	18.94	18.77	20	0		
20	HQAM	1	99	18.86	18.80	18.87				
20	HQAM	50	0	18.96	18.98	18.78				
20	HQAM	50	24	18.71	18.91	18.78	20	0		
20	HQAM	50	50	18.92	18.92	18.72				
20	HQAM	100	0	18.92	18.85	18.78				
20	HQAM	1	0	18.97	18.94	18.89				
20	HQAM	1	49	17.87	18.00	17.81	19	1		
20	HQAM	1	99	17.88	17.87	17.82				
20	HQAM	50	0	17.86	17.89	17.82				
20	HQAM	50	24	17.84	18.00	17.89				
20	HQAM	50	50	17.85	17.88	17.87	19	1		
20	HQAM	100	0	17.85	17.88	17.87				
Channel										
Frequency (MHz)										
15	QPSK	1	0	18.93	18.92	18.86				
15	QPSK	1	37	18.73	18.90	18.70	20	0		
15	QPSK	1	74	18.86	18.83	18.78				
15	QPSK	36	0	18.79	18.97	18.71				
15	QPSK	36	20	18.71	18.92	18.74	20	0		
15	QPSK	36	36	18.80	18.85	18.70				
15	QPSK	75	0	18.81	18.88	18.69				
15	QPSK	75	0	18.76	18.94	18.78				
15	HQAM	1	37	18.72	18.91	18.55				
15	HQAM	1	0	18.91	18.90	18.85				
15	HQAM	36	0	18.77	18.90	18.73				
15	HQAM	36	20	18.83	18.84	18.67	20	0		
15	HQAM	36	0	18.78	18.94	18.87				
15	HQAM	75	0	18.81	18.77	18.74				
15	HQAM	1	0	18.78	18.91	18.83				
15	HQAM	1	37	18.76	18.94	18.71	20	0		
15	HQAM	1	74	18.92	18.89	18.77				
15	HQAM	36	0	18.73	18.86	18.78				
15	HQAM	36	20	17.81	17.92	17.85	19	1		
15	HQAM	36	36	17.80	17.75	17.73				
15	HQAM	75	0	17.80	17.81	17.78				
Channel										
Frequency (MHz)										
10	QPSK	1	0	18.81	18.89	18.69				
10	QPSK	1	25	18.77	18.88	18.74	20	0		
10	QPSK	1	49	18.90	18.86	18.66				
10	QPSK	18	0	18.78	18.86	18.71				
10	QPSK	25	12	18.72	18.95	18.73	20	0		
10	QPSK	25	25	18.74	18.89	18.73				
10	HQAM	1	0	18.79	18.89	18.86				
10	HQAM	1	25	18.72	18.85	18.64	20	0		
10	HQAM	1	49	18.84	18.89	18.59				
10	HQAM	25	0	18.79	18.95	18.75				
10	HQAM	25	12	18.68	18.78	18.75	20	0		
10	HQAM	25	25	18.69	18.76	18.62				
10	HQAM	50	0	18.71	18.84	18.67				
10	HQAM	1	0	17.85	17.90	17.82				
10	HQAM	1	25	17.81	17.97	17.72	19	1		
10	HQAM	1	49	17.78	17.74	17.73				
10	HQAM	25	0	17.83	17.95	17.73				
10	HQAM	25	12	17.80	17.97	17.76	19	1		
10	HQAM	25	25	17.75	17.76	17.73				
10	HQAM	50	0	17.82	17.85	17.80				
Channel										
Frequency (MHz)										
5	QPSK	1	0	18.82	18.85	18.69				
5	QPSK	1	12	18.81	18.98	18.74	20	0		
5	QPSK	1	24	18.81	18.87	18.74				
5	QPSK	1	48	18.86	18.88	18.75				
5	QPSK	12	7	18.78	18.90	18.81	20	0		
5	QPSK	12	13	18.73	18.80	18.75				
5	QPSK	24	0	18.82	18.96	18.73				
5	HQAM	1	0	18.70	18.90	18.87				
5	HQAM	1	12	18.66	18.83	18.62	20	0		
5	HQAM	1	24	18.75	18.77	18.68				
5	HQAM	12	0	18.74	18.88	18.73				
5	HQAM	12	7	18.73	18.87	18.78	20	0		
5	HQAM	12	13	18.75	18.74	18.63				
5	HQAM	25	0	18.80	18.73	18.81				
5	HQAM	1	0	18.87	18.93	18.82				
5	HQAM	1	12	18.68	18.83	18.67	20	0		
5	HQAM	1	24	18.74	18.88	18.64				
5	HQAM	12	0	18.83	18.93	18.77				
5	HQAM	12	7	18.78	18.85	18.73	20	0		
5	HQAM	12	13	18.71	18.70	18.67				
5	HQAM	25	0	18.76	18.90	18.69				
5	HQAM	1	0	17.86	17.96	17.84				
5	HQAM	1	12	17.85	17.89	17.73	19	1		
5	HQAM	1	24	17.81	17.76	17.69				
5	HQAM	12	0	17.84	17.83	17.71				
5	HQAM	12	7	17.77	17.92	17.84	19	1		
5	HQAM	12	13	17.81	17.82	17.84				
5	HQAM	25	0	17.81	17.84	17.79				
Channel										
Frequency (MHz)										
3	QPSK	1	0	18.87	18.95	18.83				
3	QPSK	1	8	18.71	18.90	18.70	20	0		
3	QPSK	1	14	18.83	18.89	18.66				
3	QPSK	8	4	18.76	18.90	18.73	20	0		
3	QPSK	8	7	18.75	18.89	18.78				
3	QPSK	15	0	18.87	18.96	18.71				
3	HQAM	1	0	18.80	18.93	18.81	20	0		
3	HQAM	1	8	18.77	18.81	18.58				
3	HQAM	1	14	18.78	18.78	18.63				
3	HQAM	8	0	18.73	18.93	18.68	20	0		
3	HQAM	8	4	18.70	18.92	18.70				
3	HQAM	8	7	18.68	18.75	18.58				
3	HQAM	15	0	18.87	18.72	18.69				
3	HQAM	1	0	18.87	18.91	18.68				
3	HQAM	1	8	18.64	18.89	18.68	20	0		
3	HQAM	1	14	18.76	18.76	18.57				
3	HQAM	8	0	18.77	18.83	18.56				
3	HQAM	8	4	18.63	18.83	18.72	20	0		
3	HQAM	8	7	18.77	18.71	18.62				
3	HQAM	15	0	18.74	17.88	17.79				
3	HQAM	1	0	17.83	18.02	17.77				
3	HQAM	1	8	17.81	17.96	17.67	19	1		
3	HQAM	1	14	17.86	17.88	17.79				
3	HQAM	8	0	17.82	17.95	17.73				
3	HQAM	8	4	17.73	17.88	17.81				
3	HQAM	8	7	17.83	17.83	17.84	19	1		
3	HQAM	15	0	17.84	17.93	17.74				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	18.91	18.89	18.84				
1.4	QPSK	1	0	18.90	18.90	18.84				
1.4	QPSK	1	2	18.90	18.92	18.75	20	0		
1.4	QPSK	1	4	18.89	18.93	18.78				
1.4	QPSK	1	6	18.93	18.93	18.88				
1.4	QPSK	3	0	18.81	18.90	18.75	20	0		
1.4	QPSK	3	1	18.80	18.90	18.76				
1.4	QPSK	3	2	18.87	18.92	18.77				
1.4	QPSK	6	0	18.83	18.92	18.66				
1.4	QPSK	3	1	18.80	18.90	18.74	20	0		
1.4	QPSK	3	2	18.87	18.92	18.77				
1.4	QPSK	6	0	18.77	17.97	17.82				
1.4	QPSK	3	1	17.79	17.91	17.81	19	1		
1.4	QPSK	3	2	17.85	17.95	17.79				
1.4	QPSK	6	0	17.86	17.95	17.81				
1.4	QPSK	3	1	17.79	17.84	17.81				
1.4	QPSK	3	2	17.73	17.74	17.78	19	1		

Band 7 Ant 1 DSI 3												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Med Ch / Freq.	Power High Ch / Freq.	Turn-up Int. (dB)	MPE (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	18.88	18.93	18.94	20	0				
20	QPSK	1	40	18.81	18.83	18.74						
20	QPSK	1	80	18.78	18.88	18.76						
20	QPSK	50	0	18.77	18.85	18.80						
20	QPSK	50	24	18.80	18.86	18.82	20	0				
20	QPSK	100	0	18.86	18.84	18.85						
20	16QAM	1	0	18.93	18.90	18.77						
20	16QAM	1	40	18.70	18.81	18.70						
20	16QAM	1	80	18.67	18.74	18.76	20	0				
20	16QAM	50	0	18.66	18.80	18.69						
20	16QAM	50	24	18.69	18.72	18.73						
20	16QAM	100	0	18.70	18.72	18.75						
20	16QAM	50	50	18.73	18.78	18.78	20	0				
20	16QAM	1	0	18.75	18.73	18.75						
20	256QAM	1	0	18.38	18.40	18.31						
20	256QAM	1	40	18.34	18.31	18.17						
20	256QAM	1	80	18.21	18.36	18.27	19.5	0.5				
20	256QAM	50	0	18.31	18.31	18.28						
20	256QAM	50	24	18.28	18.38	18.23						
20	256QAM	50	50	18.31	18.33	18.33						
20	256QAM	100	0	18.38	18.32	18.33	19.5	0.5				
Channel												
Frequency (MHz)												
15	QPSK	1	0	18.84	18.90	18.71			20	0		
15	QPSK	1	37	18.74	18.76	18.68						
15	QPSK	1	74	18.70	18.78	18.66						
15	QPSK	36	0	18.70	18.78	18.66						
15	QPSK	36	30	18.67	18.79	18.77	20	0				
15	QPSK	36	59	18.73	18.80	18.73						
15	QPSK	75	0	18.83	18.81	18.71						
15	16QAM	1	0	18.79	18.76	18.65						
15	16QAM	1	37	18.63	18.78	18.59	20	0				
15	16QAM	1	74	18.63	18.76	18.65						
15	16QAM	36	0	18.65	18.74	18.67						
15	16QAM	36	30	18.67	18.63	18.62						
15	16QAM	75	0	18.76	18.61	18.70	20	0				
15	16QAM	1	0	18.65	18.70	18.74						
15	16QAM	1	37	18.66	18.65	18.64						
15	16QAM	1	74	18.65	18.64	18.60						
15	16QAM	36	0	18.62	18.80	18.58	20	0				
15	16QAM	36	30	18.67	18.73	18.68						
15	16QAM	36	59	18.67	18.65	18.73						
15	16QAM	75	0	18.71	18.70	18.63						
15	256QAM	1	0	18.30	18.38	18.26	19.5	0.5				
15	256QAM	1	37	18.30	18.29	18.03						
15	256QAM	1	74	18.18	18.30	18.16						
15	256QAM	36	0	18.58	18.69	18.66						
15	256QAM	36	30	18.21	18.33	18.10	19.5	0.5				
15	256QAM	36	59	18.16	18.27	18.28						
15	256QAM	75	0	18.20	18.23	18.18						
Channel												
Frequency (MHz)												
10	QPSK	1	0	18.80	18.79	18.78	20	0				
10	QPSK	1	25	18.75	18.79	18.68						
10	QPSK	1	40	18.68	18.79	18.67						
10	QPSK	1	80	18.72	18.76	18.74						
10	QPSK	25	12	18.68	18.80	18.73	20	0				
10	QPSK	25	25	18.68	18.72	18.73						
10	QPSK	25	50	18.72	18.72	18.72						
10	16QAM	1	0	18.75	18.74	18.73						
10	16QAM	1	25	18.59	18.71	18.59	20	0				
10	16QAM	1	50	18.63	18.63	18.71						
10	16QAM	25	0	18.58	18.88	18.65						
10	16QAM	25	12	18.66	18.65	18.65						
10	16QAM	25	25	18.66	18.62	18.68	20	0				
10	16QAM	50	0	18.74	18.67	18.61						
10	16QAM	1	0	18.75	18.61	18.74						
10	16QAM	1	25	18.63	18.64	18.62						
10	16QAM	1	40	18.54	18.70	18.58	20	0				
10	16QAM	25	0	18.53	18.77	18.52						
10	16QAM	25	10	18.58	18.70	18.64						
10	16QAM	25	25	18.68	18.65	18.68						
10	16QAM	50	0	18.73	18.64	18.55	19.5	0.5				
10	256QAM	1	0	18.30	18.33	18.22						
10	256QAM	1	25	18.27	18.27	18.02						
10	256QAM	1	40	18.18	18.25	18.13						
10	256QAM	25	0	18.21	18.21	18.21	19.5	0.5				
10	256QAM	25	12	18.18	18.25	18.13						
10	256QAM	25	25	18.24	18.23	18.25						
10	256QAM	50	0	18.10	18.20	18.20						
Channel												
Frequency (MHz)												
5	QPSK	1	0	18.81	18.81	18.72	20	0				
5	QPSK	1	12	18.73	18.81	18.63						
5	QPSK	1	24	18.69	18.78	18.71						
5	QPSK	12	0	18.72	18.80	18.65						
5	QPSK	12	7	18.66	18.72	18.75	20	0				
5	QPSK	12	13	18.71	18.83	18.80						
5	QPSK	24	0	18.84	18.75	18.70						
5	16QAM	1	0	18.77	18.70	18.67						
5	16QAM	1	12	18.67	18.78	18.62	20	0				
5	16QAM	1	24	18.56	18.65	18.71						
5	16QAM	12	0	18.63	18.69	18.62						
5	16QAM	12	7	18.66	18.62	18.66						
5	16QAM	12	13	18.63	18.68	18.70	20	0				
5	16QAM	25	0	18.74	18.59	18.72						
5	16QAM	1	0	18.70	18.76	18.67						
5	16QAM	1	10	18.70	18.60	18.54						
5	16QAM	1	24	18.67	18.69	18.58	20	0				
5	16QAM	12	0	18.60	18.76	18.55						
5	16QAM	12	7	18.68	18.69	18.71						
5	16QAM	12	13	18.60	18.75	18.70						
5	16QAM	25	0	18.67	18.68	18.58	19.5	0.5				
5	256QAM	1	0	18.20	18.36	18.20						
5	256QAM	1	12	18.24	18.18	18.04						
5	256QAM	1	24	18.13	18.28	18.20	19.5	0.5				
5	256QAM	1	25	18.22	18.22	18.22						
5	256QAM	12	7	18.20	18.20	18.18						
5	256QAM	12	13	18.21	18.23	18.21	19.5	0.5				
5	256QAM	12	25	18.23	18.23	18.23						

Band 17 Ant 1 DSI 3									
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)				700	710	715			
10	QPSK	1	0	24.36	24.37	24.38			
10	QPSK	25	0	24.30	24.35	24.35			
10	QPSK	1	49	24.22	24.23	24.18		25.5	0
10	QPSK	25	0	23.34	23.35	23.36			
10	QPSK	25	12	23.28	23.34	23.17			
10	QPSK	25	25	23.26	23.25	23.07		24.5	1
10	QPSK	50	0	23.29	23.34	23.36			
10	QPSK	1	0	23.25	23.32	23.27			
10	HQAM	1	25	23.26	23.30	23.18		24.5	1
10	HQAM	1	49	23.24	23.22	23.12			
10	HQAM	25	0	22.34	22.28	22.30			
10	HQAM	25	12	22.28	22.30	22.18		23.5	2
10	HQAM	25	25	22.26	22.31	22.17			
10	HQAM	50	0	22.16	22.30	22.22			
10	HQAM	1	0	22.33	22.36	22.22			
10	HQAM	1	25	22.26	22.29	22.23		23.5	2
10	HQAM	1	49	22.24	22.14	22.05			
10	HQAM	25	0	21.27	21.45	21.31			
10	HQAM	25	12	21.23	21.34	21.21		22.5	3
10	HQAM	25	25	21.24	21.28	21.13			
10	HQAM	50	0	21.19	21.33	21.27			
10	25QAM	1	0	19.30	19.33	19.30			
10	25QAM	1	25	19.25	19.36	19.18		20.5	5
10	25QAM	25	0	19.27	19.32	19.28			
10	25QAM	25	12	19.30	19.36	19.24		20.5	5
10	25QAM	25	25	19.35	19.35	19.12			
10	25QAM	50	0	19.23	19.27	19.23			
Channel									
Frequency (MHz)				700.5	710.5	713.5	Turn-up Init (dB)	MPE (dB)	
5	QPSK	1	0	24.30	24.23	24.20			
5	QPSK	1	12	24.26	24.29	24.18		25.5	0
5	QPSK	1	24	24.20	24.21	24.08			
5	QPSK	12	0	23.20	23.33	23.20			
5	QPSK	12	7	23.23	23.24	23.05			
5	QPSK	12	13	23.18	23.19	22.84		24.5	1
5	QPSK	25	0	23.25	23.25	23.07			
5	HQAM	1	0	23.21	23.28	23.18			
5	HQAM	1	12	23.20	23.17	23.10		24.5	1
5	HQAM	1	24	23.14	23.20	23.04			
5	HQAM	12	0	22.24	22.24	22.11			
5	HQAM	12	7	22.19	22.17	22.10		23.5	2
5	HQAM	12	13	22.24	22.21	22.11			
5	HQAM	25	0	22.09	22.38	22.11			
5	HQAM	1	0	22.21	22.28	22.12		23.5	2
5	HQAM	1	12	22.24	22.21	22.15			
5	HQAM	1	24	22.15	22.10	21.95			
5	HQAM	12	0	21.24	21.36	21.20			
5	HQAM	12	7	21.16	21.32	21.16			
5	HQAM	12	13	21.10	21.14	21.03		22.5	3
5	HQAM	25	0	21.09	21.25	21.17			
5	25QAM	1	0	19.30	19.36	19.22			
5	25QAM	1	12	19.23	19.28	19.05		20.5	5
5	25QAM	1	24	19.21	19.18	18.96			
5	25QAM	12	0	19.16	19.16	19.12			
5	25QAM	12	7	19.19	19.34	19.19		20.5	5
5	25QAM	12	13	19.32	19.29	18.94			
5	25QAM	25	0	19.17	19.21	19.17			

Band 26 Ant 1 DSI 3									
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)				8215	8685	2705			
15	QPSK	1	0	24.38	24.41	24.39			
15	QPSK	1	37	24.24	24.35	24.30		25.5	0
15	QPSK	1	74	24.30	24.35	24.22			
15	QPSK	36	0	23.41	23.48	23.36			
15	QPSK	36	12	23.35	23.34	23.30		24.5	1
15	QPSK	36	39	23.27	23.39	23.26			
15	QPSK	75	0	23.41	23.34	23.36			
15	HQAM	1	0	23.38	23.42	23.35			
15	HQAM	1	37	23.31	23.28	23.35		24.5	1
15	HQAM	1	74	23.25	23.32	23.28			
15	HQAM	36	0	22.38	22.37	22.39			
15	HQAM	36	20	22.26	22.37	22.34		23.5	2
15	HQAM	36	59	22.52	22.39	22.15			
15	HQAM	75	0	22.27	22.32	22.46			
15	HQAM	1	0	22.39	22.38	22.25		23.5	2
15	HQAM	1	37	22.27	22.33	22.30			
15	HQAM	1	74	22.39	22.27	22.37		23.5	2
15	HQAM	36	0	21.39	21.42	21.44			
15	HQAM	36	20	21.19	21.25	21.45		22.5	3
15	HQAM	36	59	21.20	21.45	21.25			
15	HQAM	75	0	21.35	21.31	21.30			
15	25QAM	1	0	19.39	19.43	19.45			
15	25QAM	1	37	19.24	19.29	19.35		20.5	5
15	25QAM	1	74	19.26	19.39	19.24			
15	25QAM	36	0	19.36	19.40	19.37			
15	25QAM	36	20	19.37	19.37	19.40		20.5	5
15	25QAM	36	59	19.46	19.28	19.29			
15	25QAM	75	0	19.23	19.29	19.12			
Channel									
Frequency (MHz)				819	831.5	2694	Turn-up Init (dB)	MPE (dB)	
10	QPSK	1	0	24.24	24.30	24.34			
10	QPSK	1	25	24.12	24.24	24.36		25.5	0
10	QPSK	1	49	24.23	24.29	24.17			
10	QPSK	25	0	23.31	23.42	23.22			
10	QPSK	25	12	23.17	23.23	23.31		24.5	1
10	QPSK	25	25	23.14	23.29	23.13			
10	HQAM	1	0	23.35	23.22	23.29			
10	HQAM	1	25	23.26	23.38	23.31		24.5	1
10	HQAM	1	49	23.24	23.23	23.27			
10	HQAM	1	74	23.27	23.27	23.27		24.5	1
10	HQAM	25	0	22.32	22.33	22.36			
10	HQAM	25	12	22.18	22.29	22.30		23.5	2
10	HQAM	25	25	22.26	22.29	22.26			
10	HQAM	50	0	22.18	22.20	22.38			
10	HQAM	1	0	22.35	22.33	22.14		23.5	2
10	HQAM	1	25	22.32	22.35	22.35			
10	HQAM	1	49	22.23	22.10	22.25			
10	HQAM	25	0	21.30	21.40	21.34		22.5	3
10	HQAM	25	12	21.15	21.16	21.16			
10	HQAM	25	25	21.15	21.43	21.25		22.5	3
10	HQAM	50	0	21.22	21.20	21.16			
10	25QAM	1	0	19.33	19.38	19.33			
10	25QAM	1	25	19.20	19.20	19.25		20.5	5
10	25QAM	1	49	19.18	19.35	19.10			
10	25QAM	36	0	19.36	19.31	19.25			
10	25QAM	36	12	19.25	19.29	19.36		20.5	5
10	25QAM	36	25	19.32	19.15	19.22			
10	25QAM	50	0	19.29	19.20	19.12			
Channel									
Frequency (MHz)				817.5	831.5	2705	Turn-up Init (dB)	MPE (dB)	
5	QPSK	1	0	24.01	24.24	24.32			
5	QPSK	1	12	24.20	24.32	24.35		25.5	0
5	QPSK	1	24	24.17	24.30	24.12			
5	QPSK	12	0	23.37	23.46	23.32			
5	QPSK	12	7	23.13	23.22	23.30		24.5	1
5	QPSK	12	13	23.20	23.31	23.12			
5	HQAM	1	0	23.23	23.24	23.23			
5	HQAM	1	0	23.29	23.40	23.25			
5	HQAM	1	12	23.22	23.18	23.21		24.5	1
5	HQAM	1	24	23.22	23.28	23.25			
5	HQAM	12	0	22.31	22.28	22.29			
5	HQAM	12	7	22.15	22.25	22.22		23.5	2
5	HQAM	12	13	22.26	22.29	22.25			
5	HQAM	25	0	22.17	22.22	22.38			
5	HQAM	1	0	22.35	22.31	22.19		23.5	2
5	HQAM	1	12	22.18	22.25	22.25			
5	HQAM	1	24	22.21	22.14	22.25			
5	HQAM	12	0	21.27	21.34	21.38		22.5	3
5	HQAM	12	7	21.23	21.20	21.25			
5	HQAM	12	13	21.07	21.39	21.26			
5	HQAM	25	0	21.27	21.24	21.20			
5	25QAM	1	0	19.28	19.33	19.35			
5	25QAM	1	12	19.20	19.24	19.22		20.5	5
5	25QAM	1	24	19.23	19.31	19.25			
5	25QAM	12	0	19.33	19.31	19.25			
5	25QAM	12	7	19.27	19.24	19.33		20.5	5
5	25QAM	12	13	19.35	19.14	19.23			
5	25QAM	25	0	19.22	19.26	19.14			
Channel									
Frequency (MHz)				816.5	831.5	2705	Turn-up Init (dB)	MPE (dB)	
3	QPSK	1	0	24.13	24.24	24.32			
3	QPSK	1	8	24.14	24.23	24.28		25.5	0
3	QPSK	1	14	24.17	24.27	24.14			
3	QPSK	8	0	23.38	23.48	23.34			
3	QPSK	8	4	23.14	23.23	23.32		24.5	1
3	QPSK	8	10	23.21	23.34	23.15			
3	HQAM	1	0	23.31	23.33	23.31			
3	HQAM	1	0	23.38	23.47	23.31		24.5	1
3	HQAM	1	14	23.38	23.34	23.34			
3	HQAM	8	0	22.27	22.27	22.27		23.5	2
3	HQAM	8	4	22.27	22.27	22.27			
3	HQAM	8	10	22.22	22.33	22.20			
3	HQAM	15	0	22.19	22.22	22.43			
3	HQAM	1	0	22.35	22.31	22.19		23.5	2
3	HQAM	1	8	22.16	22.19	22.18			
3	HQAM	1	14	22.27	22.24	22.23			
3	HQAM	8	0	21.27	21.38	21.29		22.5	3
3	HQAM	8	4	21.16	21.18	21.18			
3	HQAM	8	7	21.13	21.36	21.21			
3	HQAM	15	0	21.27	21.25	21.25		20.5	5
3	HQAM	15	4	21.26	21.34	21.41			
3	25QAM	1	0	19.18	19.19	19.34			
3	25QAM	1	8	19.27	19.25	19.25		20.5	5
3	25QAM	1	14	19.32	19.25	19.31			
3	25QAM	8	0	19.32	19.32	19.31			
3	25QAM	8	4	19.28	19.24	19.38		20.5	5
3	25QAM	8	10	19.37	19.26	19.26			
3	25QAM	15	0	19.22	19.20	19.16			
Channel									
Frequency (MHz)				816.5	831.5	2705	Turn-up Init (dB)	MPE (dB)	
1.4	QPSK	1	0	24.20	24.33	24.26			
1.4	QPSK	1	3	24.14	24.31	24.20			
1.4	QPSK	1	6	24.22	24.29	24.20		25.5	0
1.4	QPSK	1	9	24.24	24.24	24.24			
1.4	QPSK	3	0	24.05	24.19	24.10			
1.4	QPSK	3	3	24.17	24.14	24.10		24.5	1
1.4	QPSK	3	6	24.18	24.21	24.10			
1.4	HQAM	1	0	23.25	23.33	23.30			
1.4	HQAM	1	3	23.19	23.29	23.23		24.5	1
1.4	HQAM	1	6	23.18	23.21	23.23			
1.4	HQAM	1	9	23.32	23.19	23.17			
1.4	HQAM	3	0	23.21	23.23	23.20		23.5	2
1.4	HQAM	3	3	22.26	22.26	22.12			
1.4	HQAM	3	6	22.21	22.20	22.17			
1.4	HQAM	15	0	22.28	22.18	22.24		23.5	2
1.4	HQAM	15	3	22.24	22.24	22.24			
1.4	HQAM	15	6	22.27	22.26	22.26			
1.4	HQAM	15	9	22.33	22.17	22.21		22.5	3
1.4	HQAM	3	0	21.27	21.34	21.39			
1.4	HQAM	3	3	21.18	21.19	21.25		20.5	5
1.4	HQAM	3	6	21.34	19.37	19.25			
1.4	25QAM	1	0	19.25	19.30	19.31			
1.4	25QAM	1	3	19.27	19.28	19.28		20.5	5
1.4	25QAM	1	6	19.25	19.21	19.21		20.5	5

GSM850 Ant 4 DSI 3		Burst Average Power (dBm)			Tune-up Limit		Frame Average Power (dBm)			Tune-up Limit	
Tx Channel		124	184	251			124	184	251		
Frequency (MHz)		824.2	836.4	848.6	(dBm)		824.2	836.4	848.6	(dBm)	
GSM 1 Tx slot		32.40	32.46	32.45	33.50		23.40	23.46	23.45	24.50	
GPRS 1 Tx slot		32.40	32.41	32.38	33.50		23.40	23.41	23.38	24.50	
GPRS 2 Tx slots		31.45	31.36	31.31	32.50		25.45	25.36	25.31	26.50	
GPRS 3 Tx slots		29.67	29.61	29.61	31.00		25.41	25.35	25.35	26.74	
GPRS 4 Tx slots		28.73	28.79	28.68	30.00		25.73	25.79	25.68	27.00	
EDGE 1 Tx slot		26.86	26.93	26.89	28.00		17.86	17.93	17.89	19.00	
EDGE 2 Tx slots		23.82	23.96	23.92	25.00		17.82	17.96	17.90	18.00	
EDGE 3 Tx slots		22.08	22.11	22.07	23.20		17.82	17.85	17.81	18.94	
EDGE 4 Tx slots		20.89	20.93	20.84	22.00		17.86	17.93	17.84	19.00	

GSM1900 Ant 4 DSI 3		Burst Average Power (dBm)			Tune-up Limit		Frame Average Power (dBm)			Tune-up Limit	
Tx Channel		512	661	810			512	661	810		
Frequency (MHz)		1850.2	1860	1909.8	(dBm)		1850.2	1860	1909.8	(dBm)	
GSM 1 Tx slot		28.42	28.54	28.51	29.50		19.42	19.54	19.51	20.50	
GPRS 1 Tx slot		26.38	26.50	26.46	28.50		18.38	18.50	18.46	20.50	
GPRS 2 Tx slots		27.64	27.59	27.73	28.50		21.64	21.59	21.73	22.50	
GPRS 3 Tx slots		25.83	25.83	25.95	27.00		21.57	21.57	21.69	22.74	
GPRS 4 Tx slots		24.80	24.89	24.87	26.00		21.80	21.89	21.87	22.00	
EDGE 1 Tx slot		24.82	24.87	24.83	26.00		15.82	15.87	15.83	17.00	
EDGE 2 Tx slots		21.81	21.82	21.79	23.00		15.81	15.92	15.79	17.00	
EDGE 3 Tx slots		20.03	20.07	20.02	21.20		15.77	15.81	15.76	16.84	
EDGE 4 Tx slots		18.88	18.87	18.87	20.00		15.88	15.87	15.87	17.00	

Band		WCDMA 8 Ant 4 DSI 3			Tune-up Limit		WCDMA 8 Ant 4 DSI 3			Tune-up Limit		WCDMA 8 Ant 4 DSI 3			Tune-up Limit	
Tx Channel		9262	9400	9538			1312	1413	1513			4132	4182	4233		
Rx Channel		9662	9600	9608	(dBm)		1537	1638	1738	(dBm)		4357	4407	4458	(dBm)	
Frequency (MHz)		1952.4	1960	1967.6			1712.4	1732.6	1752.6			836.4	836.4	846.6		
3GPP Rel 99	AMR 12.2Kbps	22.51	22.53	22.45	23.50		23.67	23.80	23.70	24.50		24.31	24.44	24.29	25.50	
3GPP Rel 99	RMC 12.2Kbps	22.58	22.68	22.57	23.50		23.77	23.84	23.72	24.50		24.45	24.48	24.41	25.50	
3GPP Rel 6	HSDPA Subtest-1	21.52	21.66	21.61	22.50		22.76	22.84	22.68	23.50		23.48	23.50	23.39	24.50	
3GPP Rel 6	HSDPA Subtest-2	21.56	21.64	21.59	22.50		22.74	22.68	22.74	23.50		23.49	23.48	23.35	24.50	
3GPP Rel 6	HSDPA Subtest-3	21.08	21.21	21.02	22.00		22.28	22.34	22.27	23.00		22.92	23.04	22.94	24.00	
3GPP Rel 6	HSDPA Subtest-4	21.06	21.11	21.09	22.00		22.21	22.32	22.27	23.00		22.91	22.93	22.80	24.00	
3GPP Rel 8	DC-HSDPA Subtest-1	21.60	21.62	21.56	22.50		22.75	22.84	22.68	23.50		23.40	23.48	23.44	24.50	
3GPP Rel 8	DC-HSDPA Subtest-2	21.53	21.62	21.61	22.50		22.83	22.88	22.76	23.50		23.46	23.45	23.45	24.50	
3GPP Rel 8	DC-HSDPA Subtest-3	21.04	21.22	21.02	22.00		22.24	22.31	22.21	23.00		22.90	22.94	22.87	24.00	
3GPP Rel 8	DC-HSDPA Subtest-4	21.10	21.13	21.08	22.00		22.30	22.35	22.29	23.00		22.99	22.93	22.85	24.00	
3GPP Rel 6	HSUPA Subtest-1	21.62	21.71	21.56	22.50		22.80	22.83	22.75	23.50		23.49	23.48	23.44	24.50	
3GPP Rel 6	HSUPA Subtest-2	19.57	19.72	19.55	20.50		20.73	20.81	20.71	21.50		21.44	21.48	21.44	22.50	
3GPP Rel 6	HSUPA Subtest-3	20.59	20.68	20.55	21.50		21.78	21.88	21.67	22.50		22.48	22.53	22.43	23.50	
3GPP Rel 6	HSUPA Subtest-4	19.60	19.70	19.57	20.50		20.83	20.90	20.77	21.50		21.49	21.49	21.35	22.50	
3GPP Rel 6	HSUPA Subtest-5	21.56	21.71	21.60	22.50		22.73	22.81	22.76	23.50		23.44	23.52	23.41	24.50	
3GPP Rel 7	HSPA+ (eGSM) Subtest-	19.09	19.14	19.06	20.00		20.23	20.32	20.23	21.00		20.93	21.04	20.95	22.00	

Band 7 Ant 3 DSI 3											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)			
Channel				20850	21100	21350	24.5	0			
Frequency (MHz)				2510	2535	2560					
20	QPSK	1	0	23.68	23.75	23.66	24.5	0			
20	QPSK	1	49	23.56	23.71	23.63					
20	QPSK	1	99	23.61	23.66	23.57					
20	QPSK	50	0	22.69	22.76	22.71	23.5	1			
20	QPSK	50	24	22.56	22.68	22.63					
20	QPSK	50	50	22.82	22.84	22.82					
20	QPSK	100	0	22.63	22.75	22.64	23.5	1			
20	16QAM	1	0	22.64	22.73	22.69					
20	16QAM	1	49	22.50	22.73	22.62					
20	16QAM	1	99	22.59	22.69	22.58	22.5	2			
20	16QAM	50	0	21.69	21.80	21.67					
20	16QAM	50	24	21.58	21.66	21.67					
20	16QAM	50	50	21.80	21.64	21.58	22.5	2			
20	16QAM	100	0	21.62	21.80	21.60					
20	64QAM	1	0	21.67	21.79	21.65					
20	64QAM	1	49	21.52	21.78	21.63	22.5	2			
20	64QAM	1	99	21.57	21.72	21.61					
20	64QAM	50	0	20.71	20.75	20.74					
20	64QAM	50	24	20.51	20.74	20.67	21.5	3			
20	64QAM	50	50	20.65	20.59	20.64					
20	64QAM	100	0	20.59	20.73	20.66					
20	256QAM	1	0	18.73	18.72	18.68	19.5	5			
20	256QAM	1	49	18.55	18.66	18.67					
20	256QAM	1	99	18.59	18.65	18.62					
20	256QAM	50	0	18.67	18.70	18.64	19.5	5			
20	256QAM	50	24	18.64	18.71	18.74					
20	256QAM	50	50	18.46	18.77	18.67					
20	256QAM	100	0	18.56	18.71	18.58	24.5	0			
Channel				20825	21100	21375					
Frequency (MHz)				2502.5	2535	2567.5	24.5	MPR (dB)			
15	QPSK	1	0	23.56	23.63	23.57				24.5	
15	QPSK	1	37	23.48	23.58	23.53					
15	QPSK	1	74	23.54	23.54	23.48					
15	QPSK	36	0	22.67	22.66	22.61	23.5	1			
15	QPSK	36	20	22.50	22.57	22.51					
15	QPSK	36	39	22.53	22.57	22.49					
15	QPSK	75	0	22.55	22.65	22.59	23.5	1			
15	16QAM	1	0	22.56	22.69	22.63					
15	16QAM	1	37	22.42	22.65	22.55					
15	16QAM	1	74	22.46	22.65	22.53	22.5	2			
15	16QAM	36	0	21.60	21.74	21.57					
15	16QAM	36	20	21.56	21.63	21.56					
15	16QAM	36	39	21.47	21.61	21.44	22.5	2			
15	16QAM	75	0	21.52	21.76	21.50					
15	64QAM	1	0	21.61	21.71	21.59					
15	64QAM	1	37	21.49	21.68	21.58	22.5	2			
15	64QAM	1	74	21.46	21.65	21.47					
15	64QAM	36	0	20.62	20.69	20.72					
15	64QAM	36	20	20.48	20.63	20.54	21.5	3			
15	64QAM	36	39	20.54	20.49	20.53					
15	64QAM	75	0	20.49	20.64	20.60					
15	256QAM	1	0	18.60	18.70	18.62	19.5	5			
15	256QAM	1	37	18.45	18.58	18.57					
15	256QAM	1	74	18.55	18.63	18.51					
15	256QAM	36	0	18.65	18.61	18.61	19.5	5			
15	256QAM	36	20	18.51	18.57	18.69					
15	256QAM	36	39	18.41	18.67	18.61					
15	256QAM	75	0	18.46	18.61	18.49	24.5	0			
Channel				20800	21100	21400					
Frequency (MHz)				2505	2535	2565	24.5	MPR (dB)			
10	QPSK	1	0	23.57	23.71	23.52				24.5	
10	QPSK	1	25	23.48	23.63	23.52					
10	QPSK	1	49	23.56	23.62	23.44					
10	QPSK	25	0	22.62	22.65	22.60	23.5	1			
10	QPSK	25	12	22.54	22.64	22.59					
10	QPSK	25	25	22.56	22.52	22.58					
10	QPSK	50	0	22.56	22.69	22.62	23.5	1			
10	16QAM	1	0	22.52	22.60	22.66					
10	16QAM	1	25	22.39	22.65	22.57					
10	16QAM	1	49	22.54	22.67	22.49	22.5	2			
10	16QAM	25	0	21.60	21.73	21.60					
10	16QAM	25	12	21.48	21.57	21.64					
10	16QAM	25	25	21.57	21.57	21.55	22.5	2			
10	16QAM	50	0	21.52	21.78	21.48					
10	64QAM	1	0	21.54	21.67	21.60					
10	64QAM	1	25	21.49	21.74	21.59	22.5	2			
10	64QAM	1	49	21.43	21.63	21.57					
10	64QAM	25	0	20.68	20.73	20.70					
10	64QAM	25	12	20.39	20.61	20.64	21.5	3			
10	64QAM	25	25	20.58	20.47	20.61					
10	64QAM	50	0	20.47	20.64	20.62					
10	256QAM	1	0	18.71	18.62	18.59	19.5	5			
10	256QAM	1	25	18.53	18.56	18.64					
10	256QAM	1	49	18.47	18.54	18.48					
10	256QAM	25	0	18.55	18.58	18.62	19.5	5			
10	256QAM	25	12	18.62	18.68	18.69					
10	256QAM	25	25	18.44	18.65	18.54					
10	256QAM	50	0	18.40	18.69	18.51	24.5	0			
Channel				20775	21100	21425					
Frequency (MHz)				2502.5	2535	2567.5	24.5	MPR (dB)			
5	QPSK	1	0	23.65	23.72	23.61				24.5	
5	QPSK	1	12	23.48	23.67	23.51					
5	QPSK	1	24	23.54	23.61	23.44					
5	QPSK	12	0	22.59	22.65	22.67	23.5	1			
5	QPSK	12	7	22.46	22.56	22.57					
5	QPSK	12	13	22.53	22.57	22.50					
5	QPSK	25	0	22.53	22.62	22.61	23.5	1			
5	16QAM	1	0	22.56	22.61	22.65					
5	16QAM	1	12	22.41	22.61	22.56					
5	16QAM	1	24	22.47	22.56	22.46	22.5	2			
5	16QAM	12	0	21.60	21.71	21.64					
5	16QAM	12	7	21.45	21.53	21.59					
5	16QAM	12	13	21.55	21.61	21.55	22.5	2			
5	16QAM	25	0	21.49	21.72	21.47					
5	64QAM	1	0	21.63	21.66	21.53					
5	64QAM	1	12	21.40	21.71	21.53	22.5	2			
5	64QAM	1	24	21.50	21.61	21.53					
5	64QAM	12	0	20.57	20.73	20.70					
5	64QAM	12	7	20.40	20.64	20.54	21.5	3			
5	64QAM	12	13	20.53	20.47	20.51					
5	64QAM	25	0	20.54	20.70	20.63					
5	256QAM	1	0	18.71	18.65	18.62	19.5	5			
5	256QAM	1	12	18.52	18.55	18.57					
5	256QAM	1	24	18.54	18.63	18.53					
5	256QAM	12	0	18.62	18.65	18.59	19.5	5			
5	256QAM	12	7	18.50	18.64	18.65					
5	256QAM	12	13	18.34	18.74	18.63					
5	256QAM	25	0	18.46	18.60	18.47					

Band 2 Ant 4 DSI 3												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Med Ch / Freq.	Power High Ch / Freq.	Turn-up time (sec)	MPE (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	22.08	22.13	21.97	23	0				
20	QPSK	1	46	22.07	22.10	21.85						
20	QPSK	1	99	22.02	22.09	21.83	22	1				
20	QPSK	50	0	21.06	21.08	21.02						
20	QPSK	50	24	21.04	21.09	20.94	22	1				
20	QPSK	50	50	21.02	21.06	20.97						
20	QPSK	100	0	20.98	21.08	20.95	22	1				
20	16QAM	1	49	21.10	21.11	20.97						
20	16QAM	1	99	21.07	21.06	20.87	21	2				
20	16QAM	50	0	20.92	20.95	20.97						
20	16QAM	50	24	20.99	21.04	20.98	20	3				
20	16QAM	50	50	20.98	20.93	20.93						
20	16QAM	100	0	19.99	20.06	19.95	21	2				
20	16QAM	1	0	20.96	20.14	19.95						
20	16QAM	1	49	20.11	20.12	19.98	20	3				
20	16QAM	1	99	20.02	20.15	19.96						
20	16QAM	50	24	19.92	19.98	18.97	18	5				
20	16QAM	50	50	18.99	19.01	18.98						
20	256QAM	1	0	17.14	17.15	16.92	18	5				
20	256QAM	1	49	17.05	17.07	16.95						
20	256QAM	1	99	16.99	17.07	16.96	18	5				
20	256QAM	50	0	17.04	17.12	16.94						
20	256QAM	50	24	17.08	17.05	16.83	18	5				
20	256QAM	50	50	16.98	17.06	16.84						
20	256QAM	100	0	17.03	17.11	16.99	Turn-up time (sec)	MPE (dB)				
Channel												
Frequency (MHz)												
15	QPSK	1	0	21.98	22.12	21.97	23	0				
15	QPSK	1	37	22.02	21.99	21.83						
15	QPSK	1	74	22.00	22.09	21.83	22	1				
15	QPSK	36	0	21.04	20.98	20.98						
15	QPSK	36	24	21.00	21.04	20.91	23	1				
15	QPSK	36	36	20.93	21.00	20.93						
15	QPSK	75	0	20.91	20.97	20.92	22	1				
15	QPSK	75	0	21.03	21.16	20.93						
15	16QAM	1	37	21.03	21.19	20.83	22	1				
15	16QAM	1	74	21.02	20.98	20.91						
15	16QAM	1	99	20.93	21.03	20.87	21	2				
15	16QAM	36	0	20.90	20.92	19.87						
15	16QAM	36	20	19.90	20.03	19.95	21	2				
15	16QAM	36	36	18.93	18.98	18.90						
15	16QAM	75	0	20.00	20.12	19.92	21	2				
15	16QAM	1	0	20.05	20.05	19.88						
15	16QAM	1	37	20.08	20.09	19.88	20	3				
15	16QAM	1	74	19.92	20.14	19.91						
15	16QAM	36	0	18.93	18.98	18.90	20	3				
15	16QAM	36	20	18.98	19.02	18.92						
15	16QAM	36	36	18.95	19.05	18.92	18	5				
15	16QAM	75	0	18.99	19.03	18.98						
15	256QAM	1	0	17.06	17.15	16.92	18	5				
15	256QAM	1	37	17.04	16.97	16.78						
15	256QAM	1	74	16.97	17.04	16.94	18	5				
15	256QAM	36	0	16.96	17.02	16.88						
15	256QAM	36	20	16.95	17.02	16.78	18	5				
15	256QAM	36	36	16.92	16.94	16.88						
15	256QAM	75	0	17.00	17.03	16.94	Turn-up time (sec)	MPE (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.02	22.10	21.96	23	0				
10	QPSK	1	25	22.07	22.09	21.79						
10	QPSK	1	49	21.98	22.09	21.86	22	1				
10	QPSK	25	0	21.02	21.02	20.96						
10	QPSK	25	12	21.01	21.06	20.93	22	1				
10	QPSK	25	25	20.93	21.03	20.93						
10	16QAM	1	0	21.00	21.08	20.90	22	1				
10	16QAM	1	25	21.08	21.03	20.82						
10	16QAM	25	0	19.91	20.00	19.78	21	2				
10	16QAM	25	12	19.96	20.02	19.88						
10	16QAM	25	25	19.98	19.98	19.83	20	3				
10	16QAM	50	0	19.94	20.00	19.93						
10	16QAM	1	0	19.97	20.09	19.91	21	2				
10	16QAM	1	49	20.01	20.04	19.98						
10	16QAM	1	49	19.95	20.10	19.93	20	3				
10	16QAM	25	0	18.93	19.06	19.00						
10	16QAM	25	12	18.96	19.02	18.90	18	5				
10	16QAM	50	0	18.95	18.93	18.92						
10	16QAM	50	0	18.98	18.96	18.95	18	5				
10	16QAM	75	0	17.02	17.11	16.90						
10	256QAM	1	0	17.02	17.10	16.90	18	5				
10	256QAM	1	25	17.01	17.00	16.78						
10	256QAM	1	49	16.96	17.01	16.84	18	5				
10	256QAM	36	0	16.95	17.02	16.80						
10	256QAM	25	0	17.00	17.02	16.94	18	5				
10	256QAM	50	0	16.94	17.10	16.87						
Channel												
Frequency (MHz)												
5	QPSK	1	0	21.87	22.08	21.88	23	0				
5	QPSK	1	12	21.98	22.05	21.77						
5	QPSK	1	24	21.95	22.07	21.82	22	1				
5	QPSK	12	0	20.95	20.97	20.96						
5	QPSK	12	7	20.94	21.00	20.84	22	1				
5	QPSK	12	13	21.01	21.02	20.94						
5	QPSK	24	0	20.94	21.04	20.87	22	1				
5	16QAM	1	0	21.02	21.05	20.81						
5	16QAM	1	12	21.08	21.03	20.81	21	2				
5	16QAM	1	24	21.01	21.01	20.87						
5	16QAM	12	0	19.97	20.05	19.82	21	2				
5	16QAM	12	13	20.00	20.02	19.92						
5	16QAM	12	19	19.93	20.01	19.88	21	2				
5	16QAM	25	0	19.93	19.97	19.88						
5	16QAM	25	12	19.95	20.11	19.84	21	2				
5	16QAM	25	19	19.92	20.02	19.84						
5	16QAM	1	12	20.10	20.10	19.95	21	2				
5	16QAM	1	24	19.94	20.07	19.83						
5	16QAM	1	48	20.02	20.02	19.81	20	3				
5	16QAM	12	13	19.90	19.99	19.82						
5	16QAM	12	19	19.93	19.99	19.87	18	5				
5	16QAM	25	0	18.96	19.06	18.97						
5	256QAM	1	0	17.08	17.08	16.96	18	5				
5	256QAM	1	12	17.01	17.05	16.86						
5	256QAM	1	24	16.98	17.02	16.84	18	5				
5	256QAM	12	0	17.02	17.11	16.90						
5	256QAM	12	7	16.96	16.98	16.74	18	5				
5	256QAM	12	13	16.98	16.95	16.83						
5	256QAM	25	0	16.94	17.10	16.87	Turn-up time (sec)	MPE (dB)				
Channel												
Frequency (MHz)												
3	QPSK	1	0	21.99	22.09	21.88	23	0				
3	QPSK	1	8	22.02	22.01	21.77						
3	QPSK	1	16	22.00	22.09	21.83	22	1				
3	QPSK	8	0	21.02	21.04	20.96						
3	QPSK	8	8	20.93	21.07	20.91	22	1				
3	QPSK	8	16	20.94	21.06	20.87						
3	QPSK	16	0	20.87	21.07	20.92	22	1				
3	16QAM	1	0	20.98	21.07	20.84						
3	16QAM	1	8	21.03	21.02	20.87	22	1				
3	16QAM	1	16	21.02	20.94	20.78						
3	16QAM	8	0	19.90	20.02	19.86	21	2				
3	16QAM	8	8	19.92	19.98	19.84						
3	16QAM	8	16	19.94	19.97	19.78	21	2				
3	16QAM	16	0	19.89	19.96	19.87						
3	16QAM	16	8	20.01	20.07	19.88	20	3				
3	16QAM	16	16	19.98	19.98	19.83						
3	16QAM	1	0	19.91	20.08	19.95	20	3				
3	16QAM	8	0	18.93	18.95	18.95						
3	16QAM	8	8	18.96	18.96	18.96	18	5				
3	16QAM	16	0	18.92	18.97	18.93						
3	256QAM	1	0	17.11	17.08	16.91	18	5				
3	256QAM	1	8	17.06	17.06	16.85						
3	256QAM	1	16	17.02	17.02	16.82	18	5				
3	256QAM	16	0	16.92	17.02	16.82						
3	256QAM	8	0	16.94	17.04	16.88	18	5				
3	256QAM	8	8	16.94	17.04	16.84						
3	256QAM	8	16	16.94	17.03	16.82	18	5				
3	256QAM	15	0	16.98	17.10	16.91						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	22.08	22.11	21.97	23	0				
1.4	QPSK	1	8	22.02	22.09	21.83						
1.4	QPSK	1	16	21.99	22.07	21.81	22	1				
1.4	QPSK	8	0	22.07	22.11	21.86						
1.4	QPSK	8	8	21.98	22.07	21.76	22	1				
1.4	QPSK	3	0	22.00	22.10	21.90						
1.4	QPSK	3	8	21.99	22.04	21.85	21	2				
1.4	16QAM	1	0	20.98	20.97	21.01						
1.4	16QAM	1	8	21.00	21.02	20.98	22	1				
1.4	16QAM	3	0	20.96	21.04	20.95						
1.4	16QAM	3	8	20.95	20.98	20.97	22	1				
1.4	16QAM	16	0	20.91	21.03	20.93						
1.4	16QAM	3	8	20.89	21.07	20.84	21	2				
1.4	16QAM	16	0	19.93	20.00	19.92						
1.4	16QAM	3	0	19.91	20.02	19.87	21	2				
1.4	16QAM	3										

Band 7 Ant 4 DSI 3												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Med Ch / Freq.	Power High Ch / Freq.	Turn-up Int. (dB)	MPE (dB)				
Channel												
20	QPSK	1	0	22.97	23.04	22.95	24.5	0				
20	QPSK	1	40	22.95	23.00	22.95						
20	QPSK	1	80	22.93	23.02	22.94						
20	QPSK	50	0	21.62	22.03	21.58	23.5	1				
20	QPSK	50	24	21.60	22.02	21.58						
20	QPSK	50	48	21.55	22.01	21.57						
20	QPSK	100	0	21.55	22.03	21.58	23.5	1				
20	QPSK	100	24	21.53	22.02	21.58						
20	QPSK	100	48	21.50	22.05	21.56						
20	16QAM	1	40	21.93	22.05	21.90	22.5	2				
20	16QAM	1	80	21.95	22.02	21.90						
20	16QAM	1	120	20.95	21.02	20.93						
20	16QAM	50	24	21.02	20.97	21.01	22.5	2				
20	16QAM	50	48	20.95	21.01	20.92						
20	16QAM	50	72	20.95	21.01	20.91						
20	16QAM	100	0	19.92	20.05	19.90	21.5	3				
20	16QAM	100	24	19.95	19.99	19.98						
20	16QAM	100	48	19.90	19.99	19.98						
20	256QAM	1	40	17.94	18.03	17.91	19.5	5				
20	256QAM	1	80	17.93	18.04	17.91						
20	256QAM	50	24	17.99	18.04	17.90						
20	256QAM	50	48	17.93	17.98	17.96	19.5	5				
20	256QAM	50	72	17.93	17.98	17.96						
20	256QAM	100	0	17.96	18.05	17.92						
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.85	23.00	22.85	24.5	0				
15	QPSK	1	37	22.88	22.95	22.83						
15	QPSK	1	74	22.86	22.97	22.82						
15	QPSK	36	0	21.88	21.93	21.85	23.5	1				
15	QPSK	36	36	21.92	21.99	21.93						
15	QPSK	36	72	21.90	21.96	21.80						
15	QPSK	72	0	21.85	21.91	21.83	23.5	1				
15	QPSK	72	36	21.96	22.03	21.84						
15	QPSK	72	72	21.90	22.02	21.88						
15	16QAM	1	37	21.90	22.02	21.88	23.5	1				
15	16QAM	1	74	21.91	22.02	21.85						
15	16QAM	36	0	20.94	20.92	20.84						
15	16QAM	36	36	20.99	20.97	20.98	22.5	2				
15	16QAM	36	72	20.95	20.96	20.91						
15	16QAM	72	0	20.92	21.00	20.90						
15	16QAM	1	0	20.96	21.03	20.93	22.5	2				
15	16QAM	1	37	20.95	21.00	20.90						
15	16QAM	1	74	20.92	20.98	20.87						
15	16QAM	36	0	19.88	20.02	19.89	21.5	3				
15	16QAM	36	36	19.95	19.96	19.95						
15	16QAM	36	72	19.95	19.95	19.72						
15	16QAM	72	0	19.84	19.96	19.89	19.5	5				
15	16QAM	72	36	17.85	17.97	17.90						
15	16QAM	72	72	17.85	18.03	17.89						
15	256QAM	36	36	17.93	18.01	17.79	19.5	5				
15	256QAM	36	72	17.93	18.01	17.79						
15	256QAM	72	0	17.85	17.93	17.91						
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.94	23.01	22.90	24.5	0				
10	QPSK	1	40	22.94	23.00	22.88						
10	QPSK	1	80	22.87	23.00	22.93						
10	QPSK	25	12	21.89	21.90	21.90	23.5	1				
10	QPSK	25	25	21.94	21.96	21.80						
10	QPSK	25	50	22.02	22.05	21.90						
10	16QAM	1	0	21.85	22.00	21.82	23.5	1				
10	16QAM	1	25	21.85	22.00	21.82						
10	16QAM	1	50	20.90	20.96	20.90						
10	16QAM	25	0	20.90	20.99	21.00	22.5	2				
10	16QAM	25	12	20.93	20.90	21.00						
10	16QAM	25	25	20.90	20.96	20.97						
10	16QAM	50	0	20.88	20.91	20.93	22.5	2				
10	16QAM	50	1	20.90	21.00	20.88						
10	16QAM	50	25	20.95	20.96	20.90						
10	16QAM	1	40	20.85	21.01	20.91	21.5	3				
10	16QAM	1	80	20.90	20.99	20.81						
10	16QAM	1	120	20.95	20.97	20.80						
10	16QAM	25	10	19.85	19.97	19.80	19.5	5				
10	16QAM	25	25	19.80	19.91	19.80						
10	16QAM	50	0	19.88	19.96	19.82						
10	256QAM	1	0	17.90	18.00	17.90	19.5	5				
10	256QAM	1	25	17.93	18.02	17.90						
10	256QAM	1	50	17.91	17.96	17.88						
10	256QAM	25	0	17.91	17.98	17.90	19.5	5				
10	256QAM	25	12	17.90	17.96	17.89						
10	256QAM	25	25	17.88	17.89	17.86						
10	256QAM	50	0	17.92	17.99	17.80	19.5	5				
10	256QAM	50	25	17.85	17.89	17.86						
10	256QAM	50	50	17.90	18.02	17.88						
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.96	23.03	22.91	24.5	0				
5	QPSK	1	12	22.91	23.00	22.82						
5	QPSK	1	24	22.84	23.01	22.83						
5	QPSK	12	0	21.81	21.98	21.86	23.5	1				
5	QPSK	12	7	21.90	21.94	21.84						
5	QPSK	12	13	21.84	22.01	21.79						
5	QPSK	24	0	21.86	21.91	21.80	23.5	1				
5	QPSK	24	7	21.87	21.94	21.88						
5	QPSK	24	13	21.87	21.94	21.88						
5	16QAM	1	0	21.97	22.05	21.85	23.5	1				
5	16QAM	1	12	21.93	21.94	21.83						
5	16QAM	1	24	21.93	21.94	21.83	23.5	1				
5	16QAM	1	36	21.93	21.94	21.83						
5	16QAM	12	0	20.89	20.94	20.80						
5	16QAM	12	7	20.90	20.96	21.00	22.5	2				
5	16QAM	12	13	20.90	20.96	21.00						
5	16QAM	24	0	20.92	20.98	20.92						
5	16QAM	1	0	20.93	21.02	20.90	22.5	2				
5	16QAM	1	12	20.95	21.01	20.91						
5	16QAM	1	24	20.88	20.96	20.85						
5	16QAM	12	0	19.91	20.04	19.82	21.5	3				
5	16QAM	12	7	19.96	19.97	19.80						
5	16QAM	12	13	19.89	19.93	19.80						
5	16QAM	24	0	19.88	19.93	19.80	19.5	5				
5	16QAM	24	7	19.90	19.98	19.80						
5	16QAM	24	13	19.86	19.91	17.87						
5	256QAM	1	0	17.82	17.94	17.83	19.5	5				
5	256QAM	1	24	17.82	17.94	17.83						
5	256QAM	12	7	17.85	17.90	17.85						
5	256QAM	12	13	17.84	17.88	17.85	19.5	5				
5	256QAM	12	25	17.84	17.88	17.85						
5	256QAM	24	0	17.85	17.90	17.85						

Band 17 Ant 4 DSI 3														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up time (sec)	MPE (dB)						
Channel														
Frequency (MHz)														
10	QPSK	1	0	24.40	24.48	24.52	25.5	0						
10	QPSK	1	25	24.38	24.48	24.52								
10	QPSK	1	49	24.38	24.47	24.52	24.5	1						
10	QPSK	25	0	23.37	23.49	23.50								
10	QPSK	25	12	23.39	23.48	23.54	24.5	1						
10	QPSK	25	25	23.39	23.46	23.57								
10	QPSK	50	0	23.35	23.44	23.52	24.5	1						
10	QPSK	50	0	23.37	23.52	23.59								
10	HQAM	1	25	23.40	23.46	23.51	23.5	2						
10	HQAM	1	49	23.37	23.47	23.57								
10	HQAM	25	0	22.42	22.46	22.50	22.5	2						
10	HQAM	25	12	22.35	22.45	22.40								
10	HQAM	25	25	22.41	22.49	22.54	22.5	3						
10	HQAM	50	0	22.34	22.41	22.57								
10	HQAM	1	0	22.44	22.47	22.57	23.5	2						
10	HQAM	1	25	22.36	22.46	22.54								
10	HQAM	1	49	22.40	22.44	22.54	22.5	3						
10	HQAM	25	0	21.32	21.48	21.57								
10	HQAM	25	12	21.36	21.53	21.62	20.5	5						
10	HQAM	25	25	21.35	21.48	21.61								
10	HQAM	50	0	21.36	21.47	21.58	20.5	5						
10	HQAM	50	0	19.40	19.46	19.50								
10	25QAM	1	25	19.34	19.45	19.50	20.5	5						
10	25QAM	1	49	19.39	19.47	19.58								
10	25QAM	25	0	19.43	19.45	19.54	20.5	5						
10	25QAM	25	12	19.43	19.42	19.58								
10	25QAM	25	25	19.38	19.45	19.58	20.5	5						
10	25QAM	50	0	19.35	19.44	19.55								
Channel														
Frequency (MHz)														
5	QPSK	1	0	24.32	24.48	24.36	25.5	0						
5	QPSK	1	12	24.30	24.39	24.37								
5	QPSK	1	24	24.35	24.42	24.31	24.5	1						
5	QPSK	12	0	23.33	23.40	23.21								
5	QPSK	12	7	23.32	23.48	23.37	24.5	1						
5	QPSK	12	13	23.32	23.35	23.31								
5	QPSK	25	0	23.24	23.37	23.33	24.5	1						
5	QPSK	25	0	23.33	23.45	23.33								
5	HQAM	1	12	23.28	23.38	23.23	23.5	2						
5	HQAM	1	24	23.33	23.42	23.29								
5	HQAM	12	0	22.23	22.46	22.29	22.5	2						
5	HQAM	12	7	22.27	22.41	22.32								
5	HQAM	12	13	22.33	22.44	22.35	22.5	3						
5	HQAM	25	0	22.34	22.31	22.17								
5	HQAM	1	0	22.43	22.38	22.17	23.5	2						
5	HQAM	1	24	22.29	22.40	22.27								
5	HQAM	12	0	21.22	21.37	21.23	22.5	3						
5	HQAM	12	7	21.32	21.43	21.36								
5	HQAM	12	13	21.34	21.36	21.34	20.5	5						
5	HQAM	25	0	21.29	21.35	21.27								
5	25QAM	1	12	19.25	19.34	19.25	20.5	5						
5	25QAM	1	24	19.35	19.37	19.26								
5	25QAM	12	0	19.35	19.35	19.31	20.5	5						
5	25QAM	12	7	19.39	19.40	19.35								
5	25QAM	12	13	19.28	19.35	19.27	20.5	5						
5	25QAM	25	0	19.25	19.38	19.24								

Band 26 Ant 4 DSI 3														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up time (sec)	MPE (dB)						
Channel														
Frequency (MHz)														
15	QPSK	1	0	24.42	24.50	24.47	25.5	0						
15	QPSK	1	37	24.38	24.53	24.53								
15	QPSK	1	74	24.36	24.51	24.45	24.5	1						
15	QPSK	36	0	23.45	23.48	23.46								
15	QPSK	36	20	23.38	23.45	23.43	24.5	1						
15	QPSK	36	36	23.36	23.45	23.43								
15	QPSK	75	0	23.34	23.47	23.45	24.5	1						
15	HQAM	1	0	23.44	23.58	23.53								
15	HQAM	1	37	23.39	23.49	23.41	24.5	1						
15	HQAM	1	74	23.39	23.52	23.46								
15	HQAM	36	0	22.40	22.53	22.49	23.5	2						
15	HQAM	36	20	22.32	22.49	22.39								
15	HQAM	36	36	22.32	22.43	22.36	23.5	2						
15	HQAM	75	0	22.33	22.46	22.40								
15	HQAM	1	0	22.48	22.51	22.49	23.5	2						
15	HQAM	1	37	22.34	22.51	22.47								
15	HQAM	1	74	22.40	22.49	22.47	22.5	3						
15	HQAM	36	0	21.48	21.50	21.43								
15	HQAM	36	20	21.36	21.49	21.38	20.5	5						
15	HQAM	36	36	21.34	21.41	21.45								
15	HQAM	75	0	21.32	21.52	21.40	20.5	5						
15	25QAM	1	0	19.45	19.57	19.46								
15	25QAM	1	37	19.35	19.53	19.49	20.5	5						
15	25QAM	1	74	19.34	19.55	19.44								
15	25QAM	36	0	19.45	19.54	19.46	20.5	5						
15	25QAM	36	20	19.44	19.56	19.49								
15	25QAM	36	36	19.43	19.52	19.45	20.5	5						
15	25QAM	75	0	19.37	19.55	19.48								
Channel														
Frequency (MHz)														
10	QPSK	1	0	24.40	24.53	24.35	25.5	0						
10	QPSK	1	25	24.29	24.50	24.36								
10	QPSK	1	49	24.35	24.46	24.39	24.5	1						
10	QPSK	25	0	23.43	23.43	23.36								
10	QPSK	25	12	23.34	23.42	23.32	24.5	1						
10	QPSK	25	25	23.29	23.44	23.31								
10	QPSK	50	0	23.32	23.44	23.36	24.5	1						
10	HQAM	1	25	23.38	23.49	23.47								
10	HQAM	1	25	23.36	23.46	23.31	23.5	2						
10	HQAM	1	35	23.38	23.48	23.47								
10	HQAM	25	0	22.34	22.49	22.37	23.5	2						
10	HQAM	25	12	22.28	22.45	22.35								
10	HQAM	25	25	22.32	22.42	22.45	23.5	2						
10	HQAM	50	0	22.48	22.48	22.38								
10	HQAM	1	25	22.34	22.45	22.40	22.5	3						
10	HQAM	1	49	22.30	22.40	22.45								
10	HQAM	25	0	21.37	21.47	21.45	22.5	3						
10	HQAM	25	12	21.38	21.56	21.45								
10	HQAM	25	25	21.29	21.35	21.34	22.5	3						
10	HQAM	50	0	21.30	21.38	21.44								
10	HQAM	25	0	21.28	21.35	21.34	22.5	3						
10	HQAM	25	12	21.29	21.47	21.37								
10	HQAM	25	25	21.20	21.26	21.25	20.5	5						
10	25QAM	1	0	19.45	19.57	19.46								
Channel														
Frequency (MHz)														
5	QPSK	1	0	24.33	24.53	24.35	25.5	0						
5	QPSK	1	12	24.37	24.50	24.41								
5	QPSK	1	24	24.27	24.46	24.43	24.5	1						
5	QPSK	12	0	23.33	23.43	23.36								
5	QPSK	12	7	23.37	23.39	23.39	24.5	1						
5	QPSK	12	13	23.31	23.39	23.39								
5	QPSK	12	19	23.25	23.41	23.31	24.5	1						
5	HQAM	1	0	23.40	23.51	23.44								
5	HQAM	1	12	23.31	23.42	23.34	24.5	1						
5	HQAM	1	24	23.25	23.41	23.35								
5	HQAM	12	0	22.29	22.42	22.34	23.5	2						
5	HQAM	12	13	22.26	22.38	22.36								
5	HQAM	12	19	22.23	22.44	22.35	23.5	2						
5	HQAM	25	0	22.33	22.44	22.39								
5	HQAM	1	0	22.47	22.48	22.37	23.5	2						
5	HQAM	1	12	22.22	22.42	22.35								
5	HQAM	1	24	22.29	22.40	22.40	22.5	3						
5	HQAM	12	0	21.27	21.48	21.37								
5	HQAM	12	7	21.30	21.30	21.48	22.5	3						
5	HQAM	12	13	21.28	21.43	21.39								
5	HQAM	12	19	21.16	21.42	21.33	22.5	3						
5	HQAM	25	0	21.29	21.36	21.48								
5	25QAM	1	0	19.45	19.58	19.46	20.5	5						
5	25QAM	1	12	19.38	19.57	19.51								
5	25QAM	1	24	19.37	19.58	19.49	20.5	5						
5	25QAM	12	0	19.45	19.57	19.46								
Channel														
Frequency (MHz)														
3	QPSK	1	0	24.31	24.50	24.37	25.5	0						
3	QPSK	1	8	24.30	24.43	24.34								
3	QPSK	1	16	24.30	24.47	24.33	24.5	1						
3	QPSK	8	0	23.31	23.41	23.33								
3	QPSK	8	4	23.31	23.34	23.31	24.5	1						
3	QPSK	8	7	23.33	23.34	23.33								
3	QPSK	15	0	23.25	23.41	23.31	24.5	1						
3	HQAM	1	0	23.35	23.51	23.43								
3	HQAM	1	8	23.38	23.45	23.32	24.5	1						
3	HQAM	1	16	23.34	23.50	23.33								
3	HQAM	8	0	22.38	22.49	22.38	23.5	2						
3	HQAM	8	4	22.32	22.42	22.32								
3	HQAM	8	7	22.33	22.42	22.31	23.5	2						
3	HQAM	15	0	22.28	22.43	22.34								
3	HQAM	1	0	22.47	22.47	22.36	23.5	2						
3	HQAM	1	8	22.29	22.45	22.42								
3	HQAM	1	16	22.27	22.42	22.42	22.5	3						
3	HQAM	8	0	21.37	21.38	21.42								
3	HQAM	8	4	21.34	21.41	21.33	22.5	3						
3	HQAM	8	7	21.32	21.35	21.45								
3	HQAM	15	0	21.27	21.32	21.45	22.5	3						
3	HQAM	1	0	19.35	19.50	19.46								
3	HQAM	1	8	19.33	19.43	19.38	20.5	5						
3	HQAM	1	16	19.33	19.47	19.38								
3	HQAM	8	0	19.44	19.49	19.30	20.5	5						
3	HQAM	8	4	19.39	19.48	19.48								
3	HQAM	8	7	19.38	19.47	19.47	20.5	5						
3	HQAM	15	0	19.37	19.49	19.32								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	24.34	24.53	24.33	25.5	0						
1.4	QPSK	1	3	24.31	24.43	24.43								
1.4	QPSK	1	6	24.31	24.46	24.43	24.5	1						
1.4	QPSK	3	0	23.34	23.43	23.36								
1.4	QPSK	3	3	23.38	23.40	23.43	24.5	1						
1.4	QPSK	3	6	23.34	23.43	23.43								
1.4	HQAM	1	0	23.30	23.39	23.42	24.5	1						
1.4	HQAM	1	3	23.30	23.34	23.36								
1.4	HQAM	1	6	23.28	23.40	23.38	24.5	1						
1.4	HQAM	3	0	22.32	22.46	22.33								
1.4	HQAM	3	3	22.34	22.51	22.37	23.5	2						
1.4	HQAM	6	0	22.29	22.37	22.28								
1.4	HQAM	1	0	22.25	22.42	22.34	23.5	2						
1.4	HQAM	1	3	22.30	22.41	22.47								
1.4	HQAM	3	0	22.27	22.41	22.37	22.5	3						
1.4	HQAM	3	3	22.29	22.43	22.43								
1.4	HQAM	6	0	21.40	21.50	21.45	20.5	5						
1.4	HQAM	3	1	19.34	19.47	19.48								
1.4	HQAM	3	3	19.34	19.47	19.48	20.5	5						
1.4	HQAM	6	0	19.34	19.47	19.48								
1.4	HQAM	3	1	19.34	19.45	19.42	20.5	5						
1.4	HQAM	3	3	19.34	19.46	19.43								
1.4	HQAM	6	0	19.33	19.44	19.39	20.5	5						
1.4	HQAM	6	3	19.33	19.44	19.39								

Band 38 Ant 1 DSI 3											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)			
Channel				37650	38000	38150					
Frequency (MHz)				2580	2595	2610					
20	QPSK	1	0	19.53	19.54	19.43	20.5	0			
20	QPSK	1	49	19.43	19.44	19.34					
20	QPSK	1	99	19.45	19.51	19.35					
20	QPSK	50	0	19.42	19.51	19.33					
20	QPSK	50	24	19.48	19.41	19.41	20.5	0			
20	QPSK	50	50	19.45	19.44	19.39					
20	QPSK	100	0	19.42	19.47	19.37					
20	16QAM	1	0	19.43	19.45	19.40					
20	16QAM	1	49	19.34	19.37	19.23	20.5	0			
20	16QAM	1	99	19.31	19.41	19.30					
20	16QAM	50	0	19.32	19.47	19.25					
20	16QAM	50	24	19.36	19.32	19.30					
20	16QAM	50	50	19.35	19.32	19.31	20.5	0			
20	16QAM	100	0	19.40	19.45	19.32					
20	64QAM	1	0	19.40	19.44	19.31					
20	64QAM	1	49	19.37	19.33	19.22	20.5	0			
20	64QAM	1	99	19.38	19.37	19.28					
20	64QAM	50	0	19.39	19.41	19.24					
20	64QAM	50	24	19.38	19.35	19.36					
20	64QAM	50	50	19.34	19.38	19.28	20.5	0			
20	64QAM	100	0	19.38	19.36	19.33					
20	256QAM	1	0	18.54	18.51	18.47					
20	256QAM	1	49	18.45	18.40	18.31	19.5	1			
20	256QAM	1	99	18.41	18.53	18.32					
20	256QAM	50	0	18.39	18.54	18.35					
20	256QAM	50	24	18.49	18.46	18.43					
20	256QAM	50	50	18.42	18.47	18.43	19.5	1			
20	256QAM	100	0	18.44	18.51	18.32					
Channel				37625	38000	38175	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5					
15	QPSK	1	0	19.46	19.45	19.38	20.5	0			
15	QPSK	1	37	19.36	19.41	19.23					
15	QPSK	1	74	19.35	19.39	19.27					
15	QPSK	36	0	19.39	19.39	19.31					
15	QPSK	36	20	19.45	19.29	19.33	20.5	0			
15	QPSK	36	39	19.38	19.38	19.36					
15	QPSK	75	0	19.33	19.39	19.24					
15	16QAM	1	0	19.30	19.33	19.33					
15	16QAM	1	37	19.24	19.24	19.25	20.5	0			
15	16QAM	1	74	19.24	19.30	19.27					
15	16QAM	36	0	19.23	19.37	19.21					
15	16QAM	36	20	19.24	19.26	19.26					
15	16QAM	36	39	19.24	19.23	19.29	20.5	0			
15	16QAM	75	0	19.28	19.42	19.26					
15	64QAM	1	0	19.32	19.41	19.21					
15	64QAM	1	37	19.25	19.26	19.19					
15	64QAM	1	74	19.26	19.31	19.15	20.5	0			
15	64QAM	36	0	19.36	19.33	19.19					
15	64QAM	36	20	19.28	19.32	19.23					
15	64QAM	36	39	19.27	19.32	19.22					
15	64QAM	75	0	19.28	19.32	19.31	19.5	1			
15	256QAM	1	0	18.49	18.45	18.45					
15	256QAM	1	37	18.42	18.35	18.28					
15	256QAM	1	74	18.35	18.48	18.18					
15	256QAM	36	0	18.30	18.47	18.25	19.5	1			
15	256QAM	36	20	18.45	18.35	18.37					
15	256QAM	36	39	18.35	18.36	18.35					
15	256QAM	75	0	18.33	18.45	18.19					
Channel				37900	38000	38200	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				2575	2595	2615					
10	QPSK	1	0	19.43	19.50	19.40	20.5	0			
10	QPSK	1	25	19.31	19.32	19.28					
10	QPSK	1	49	19.36	19.45	19.22					
10	QPSK	25	0	19.28	19.39	19.24					
10	QPSK	25	12	19.40	19.37	19.28	20.5	0			
10	QPSK	25	25	19.41	19.41	19.28					
10	QPSK	50	0	19.32	19.38	19.31					
10	16QAM	1	0	19.32	19.41	19.34					
10	16QAM	1	25	19.25	19.34	19.16	20.5	0			
10	16QAM	1	49	19.26	19.33	19.24					
10	16QAM	25	0	19.23	19.34	19.12					
10	16QAM	25	12	19.31	19.19	19.25					
10	16QAM	25	25	19.24	19.18	19.24	20.5	0			
10	16QAM	50	0	19.35	19.32	19.27					
10	64QAM	1	0	19.30	19.36	19.20					
10	64QAM	1	25	19.27	19.29	19.09					
10	64QAM	1	49	19.30	19.35	19.22	20.5	0			
10	64QAM	25	0	19.28	19.28	19.14					
10	64QAM	25	12	19.26	19.27	19.26					
10	64QAM	25	25	19.30	19.35	19.20					
10	64QAM	50	0	19.32	19.25	19.30	19.5	1			
10	256QAM	1	0	18.50	18.48	18.37					
10	256QAM	1	25	18.43	18.37	18.25					
10	256QAM	1	49	18.30	18.47	18.27					
10	256QAM	25	0	18.32	18.43	18.28	19.5	1			
10	256QAM	25	12	18.37	18.36	18.39					
10	256QAM	25	25	18.37	18.36	18.32					
10	256QAM	50	0	18.38	18.37	18.23					
Channel				37775	38000	38225	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5					
5	QPSK	1	0	19.44	19.51	19.40	20.5	0			
5	QPSK	1	12	19.39	19.38	19.28					
5	QPSK	1	24	19.43	19.43	19.28					
5	QPSK	12	0	19.33	19.47	19.19					
5	QPSK	12	7	19.42	19.37	19.27	20.5	0			
5	QPSK	12	13	19.36	19.40	19.35					
5	QPSK	25	0	19.33	19.41	19.25					
5	16QAM	1	0	19.39	19.40	19.37					
5	16QAM	1	12	19.23	19.34	19.19	20.5	0			
5	16QAM	1	24	19.21	19.32	19.19					
5	16QAM	12	0	19.22	19.36	19.17					
5	16QAM	12	7	19.33	19.20	19.18					
5	16QAM	12	13	19.25	19.23	19.17	20.5	0			
5	16QAM	25	0	19.34	19.39	19.26					
5	64QAM	1	0	19.27	19.30	19.29					
5	64QAM	1	12	19.26	19.29	19.20					
5	64QAM	1	24	19.24	19.30	19.19	20.5	0			
5	64QAM	12	0	19.28	19.31	19.14					
5	64QAM	12	7	19.35	19.27	19.30					
5	64QAM	12	13	19.22	19.27	19.18					
5	64QAM	25	0	19.30	19.25	19.24	19.5	1			
5	256QAM	1	0	18.47	18.48	18.45					
5	256QAM	1	12	18.34	18.38	18.21					
5	256QAM	1	24	18.29	18.50	18.22					
5	256QAM	12	0	18.35	18.43	18.29	19.5	1			
5	256QAM	12	7	18.38	18.37	18.33					
5	256QAM	12	13	18.38	18.34	18.34					
5	256QAM	25	0	18.40	18.48	18.27					

Band 41 Ant 1 DSI 3										
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		
Channel				39750	40165	40620	41055	41490	Tune-up limit (dBm)	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		MPR (dB)
20	QPSK	1	0	20.55	20.51	20.64	20.60	20.52	21.5	0
20	QPSK	1	49	20.42	20.47	20.57	20.48	20.44		
20	QPSK	1	99	20.47	20.37	20.51	20.53	20.43		
20	QPSK	50	0	20.46	20.44	20.59	20.50	20.45	21.5	0
20	QPSK	50	24	20.43	20.54	20.54	20.54	20.48		
20	QPSK	50	50	20.50	20.49	20.56	20.53	20.46		
20	QPSK	100	0	20.51	20.40	20.52	20.52	20.39	21.5	0
20	16QAM	1	0	20.50	20.37	20.56	20.50	20.49		
20	16QAM	1	49	20.37	20.35	20.48	20.40	20.35		
20	16QAM	1	99	20.42	20.24	20.37	20.50	20.35	21.5	0
20	16QAM	50	0	20.34	20.40	20.52	20.43	20.39		
20	16QAM	50	24	20.33	20.31	20.42	20.41	20.36		
20	16QAM	50	50	20.45	20.42	20.50	20.49	20.43	21.5	0
20	16QAM	100	0	20.37	20.36	20.44	20.44	20.31		
20	64QAM	1	0	20.52	20.40	20.55	20.56	20.44		
20	64QAM	1	49	20.36	20.45	20.55	20.57	20.35	21.5	0
20	64QAM	1	99	20.36	20.31	20.42	20.41	20.30		
20	64QAM	50	0	20.40	20.33	20.52	20.39	20.34		
20	64QAM	50	24	20.36	20.43	20.49	20.51	20.45	21.5	0
20	64QAM	50	50	20.41	20.44	20.45	20.40	20.37		
20	64QAM	100	0	20.48	20.38	20.49	20.50	20.30		
20	256QAM	1	0	18.54	18.47	18.60	18.54	18.47	19.5	2
20	256QAM	1	49	18.38	18.52	18.52	18.46	18.45		
20	256QAM	1	99	18.50	18.31	18.49	18.56	18.42		
20	256QAM	50	0	18.40	18.41	18.54	18.55	18.42	19.5	2
20	256QAM	50	24	18.42	18.46	18.57	18.53	18.45		
20	256QAM	50	50	18.44	18.54	18.56	18.57	18.39		
20	256QAM	100	0	18.57	18.39	18.53	18.57	18.39		
Channel				39725 <th>40173<th>40620<th>41058<th>41515<th rowspan="2">Tune-up limit (dBm)</th></th></th></th></th>	40173 <th>40620<th>41058<th>41515<th rowspan="2">Tune-up limit (dBm)</th></th></th></th>	40620 <th>41058<th>41515<th rowspan="2">Tune-up limit (dBm)</th></th></th>	41058 <th>41515<th rowspan="2">Tune-up limit (dBm)</th></th>	41515 <th rowspan="2">Tune-up limit (dBm)</th>	Tune-up limit (dBm)	
Frequency (MHz)				2503.5 <th>2548.3<th>2593<th>2637.8<th>2682.5<th>MPR (dB)</th></th></th></th></th>	2548.3 <th>2593<th>2637.8<th>2682.5<th>MPR (dB)</th></th></th></th>	2593 <th>2637.8<th>2682.5<th>MPR (dB)</th></th></th>	2637.8 <th>2682.5<th>MPR (dB)</th></th>	2682.5 <th>MPR (dB)</th>		MPR (dB)
15	QPSK	1	0	20.47	20.42	20.51	20.54	20.48	21.50	0
15	QPSK	1	37	20.42	20.36	20.51	20.55	20.36		
15	QPSK	1	74	20.37	20.46	20.46	20.48	20.34		
15	QPSK	36	0	20.34	20.31	20.49	20.40	20.31	21.5	0
15	QPSK	36	20	20.40	20.37	20.43	20.52	20.38		
15	QPSK	36	39	20.40	20.42	20.42	20.48	20.36		
15	QPSK	75	0	20.40	20.31	20.38	20.45	20.28	21.5	0
15	16QAM	1	0	20.37	20.34	20.51	20.42	20.37		
15	16QAM	1	37	20.26	20.21	20.42	20.27	20.32		
15	16QAM	1	74	20.31	20.15	20.35	20.47	20.23	21.5	0
15	16QAM	36	0	20.26	20.26	20.49	20.34	20.28		
15	16QAM	36	20	20.31	20.27	20.35	20.35	20.26		
15	16QAM	36	39	20.34	20.34	20.46	20.45	20.31	21.5	0
15	16QAM	75	0	20.28	20.29	20.36	20.38	20.17		
15	16QAM	1	0	20.46	20.35	20.46	20.49	20.31		
15	64QAM	1	37	20.29	20.35	20.37	20.32	20.25	21.5	0
15	64QAM	1	74	20.33	20.23	20.28	20.36	20.16		
15	64QAM	36	0	20.29	20.23	20.38	20.30	20.24		
15	64QAM	36	20	20.31	20.35	20.40	20.47	20.43	21.5	0
15	64QAM	36	39	20.37	20.38	20.33	20.33	20.33		
15	64QAM	75	0	20.45	20.25	20.43	20.46	20.20		
15	256QAM	1	0	18.46	18.35	18.49	18.48	18.36	19.5	2
15	256QAM	1	37	18.31	18.39	18.44	18.35	18.35		
15	256QAM	1	74	18.39	18.24	18.47	18.51	18.39		
15	256QAM	36	0	18.30	18.36	18.42	18.42	18.30	19.5	2
15	256QAM	36	20	18.30	18.37	18.52	18.45	18.42		
15	256QAM	36	39	18.37	18.51	18.48	18.40	18.50		
15	256QAM	75	0	18.49	18.34	18.41	18.45	18.27		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	
Frequency (MHz)				2501	2547	2593	2637	2683		MPR (dB)
10	QPSK	1	0	20.47	20.42	20.51	20.54	20.44	21.50	0
10	QPSK	1	25	20.39	20.42	20.44	20.44	20.31		
10	QPSK	1	49	20.37	20.24	20.40	20.41	20.30		
10	QPSK	25	0	20.33	20.40	20.51	20.43	20.36	21.5	0
10	QPSK	25	12	20.33	20.40	20.43	20.51	20.41		
10	QPSK	25	25	20.46	20.41	20.45	20.49	20.43		
10	QPSK	36	0	20.43	20.38	20.45	20.49	20.36	21.5	0
10	16QAM	1	0	20.47	20.30	20.48	20.43	20.40		
10	16QAM	1	25	20.32	20.32	20.37	20.32	20.27		
10	16QAM	1	49	20.32	20.13	20.23	20.41	20.29	21.5	0
10	16QAM	25	0	20.31	20.30	20.49	20.38	20.32		
10	16QAM	25	12	20.24	20.28	20.33	20.37	20.25		
10	16QAM	25	25	20.33	20.29	20.38	20.36	20.39	21.5	0
10	16QAM	50	0	20.25	20.31	20.31	20.39	20.20		
10	64QAM	1	0	20.41	20.28	20.46	20.48	20.36		
10	64QAM	1	25	20.31	20.40	20.48	20.25	20.21	21.5	0
10	64QAM	1	49	20.26	20.17	20.37	20.32	20.18		
10	64QAM	25	0	20.32	20.20	20.36	20.36	20.21		
10	64QAM	25	12	20.33	20.40	20.37	20.48	20.33	21.5	0
10	64QAM	25	25	20.29	20.35	20.42	20.28	20.25		
10	64QAM	50	0	20.40	20.24	20.46	20.41	20.23		
10	256QAM	1	0	18.46	18.42	18.49	18.51	18.40	19.5	2
10	256QAM	1	25	18.36	18.40	18.43	18.40	18.39		
10	256QAM	1	49	18.36	18.29	18.36	18.53	18.33		
10	256QAM	25	0	18.30	18.31	18.44	18.52	18.31	19.5	2
10	256QAM	25	12	18.38	18.42	18.45	18.39	18.42		
10	256QAM	25	25	18.41	18.44	18.46	18.45	18.39		
10	256QAM	50	0	18.53	18.32	18.45	18.52	18.32		
Channel				39713 <th>40164<th>40620<th>41082<th>41545<th rowspan="2">Tune-up limit (dBm)</th></th></th></th></th>	40164 <th>40620<th>41082<th>41545<th rowspan="2">Tune-up limit (dBm)</th></th></th></th>	40620 <th>41082<th>41545<th rowspan="2">Tune-up limit (dBm)</th></th></th>	41082 <th>41545<th rowspan="2">Tune-up limit (dBm)</th></th>	41545 <th rowspan="2">Tune-up limit (dBm)</th>	Tune-up limit (dBm)	
Frequency (MHz)				2498.5 <th>2545.8<th>2593<th>2640.30<th>2687.5<th>MPR (dB)</th></th></th></th></th>	2545.8 <th>2593<th>2640.30<th>2687.5<th>MPR (dB)</th></th></th></th>	2593 <th>2640.30<th>2687.5<th>MPR (dB)</th></th></th>	2640.30 <th>2687.5<th>MPR (dB)</th></th>	2687.5 <th>MPR (dB)</th>		MPR (dB)
5	QPSK	1	0	20.44	20.47	20.51	20.56	20.49	21.50	0
5	QPSK	1	12	20.32	20.36	20.46	20.35	20.41		
5	QPSK	1	24	20.34	20.31	20.42	20.49	20.35		
5	QPSK	12	0	20.38	20.32	20.54	20.40	20.35	21.5	0
5	QPSK	12	6	20.42	20.41	20.44	20.43	20.44		
5	QPSK	12	13	20.45	20.37	20.43	20.47	20.42		
5	QPSK	25	0	20.45	20.27	20.44	20.46	20.26	21.5	0
5	16QAM	1	0	20.44	20.28	20.54	20.42	20.39		
5	16QAM	1	12	20.25	20.28	20.38	20.31	20.24		
5	16QAM	1	24	20.35	20.36	20.36	20.37	20.30	21.5	0
5	16QAM	12	0	20.23	20.33	20.50	20.32	20.29		
5	16QAM	12	7	20.19	20.19	20.38	20.29	20.23		
5	16QAM	12	13	20.40	20.30	20.42	20.36	20.35	21.5	0
5	16QAM	25	0	20.27	20.24	20.40	20.40	20.19		
5	64QAM	1	0	20.47	20.29	20.46	20.43	20.41		
5	64QAM	1	12	20.30	20.34	20.49	20.25	20.26	21.5	0
5	64QAM	1	24	20.27	20.28	20.32	20.28	20.28		
5	64QAM	12	0	20.34	20.23	20.44	20.34	20.25		
5	64QAM	12	7	20.27	20.40	20.35	20.37	20.40	21.5	0
5	64QAM	12	13	20.27	20.38	20.42	20.28	20.33		
5	64QAM	25	0	20.44	20.23	20.41	20.38	20.25		
5	256QAM	1	0	18.50	18.41	18.55	18.50	18.39	19.5	2
5	256QAM	1	12	18.27	18.39	18.39	18.43	18.33		
5	256QAM	1	24	18.41	18.20	18.43	18.48	18.39		
5	256QAM	12	0	18.28	18.28	18.47	18.44	18.29	19.5	2
5	256QAM	12	7	18.29	18.41	18.48	18.46	18.37		
5	256QAM	12	13	18.49	18.49	18.46	18.46	18.42		
5	256QAM	25	0	18.52	18.37	18.41	18.51	18.27		

Band 42 Part 27Q Ant 2 DSI 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				5460	3500	3540			
20	QPSK	1	0	19.06	19.15	19.09	20	0	
20	QPSK	1	49	18.96	19.10	18.99			
20	QPSK	1	99	18.96	19.06	19.02			
20	QPSK	50	0	18.05	18.18	18.04			
20	QPSK	50	24	17.97	18.09	18.00	19	1	
20	QPSK	50	50	17.95	18.10	18.07			
20	QPSK	100	0	18.11	18.15	18.14			
20	16QAM	1	0	18.11	18.14	18.05			
20	16QAM	1	49	18.03	18.16	18.04	19	1	
20	16QAM	1	99	17.96	18.03	18.01			
20	16QAM	50	0	17.07	17.16	17.09			
20	16QAM	50	24	17.01	17.06	17.01			
20	16QAM	50	50	16.97	17.05	17.13	18	2	
20	16QAM	100	0	17.09	17.20	17.13			
20	64QAM	1	0	17.07	17.18	17.00			
20	64QAM	1	49	17.06	17.22	17.08			
20	64QAM	1	99	17.01	17.02	17.03	18	2	
20	64QAM	50	0	16.02	16.16	15.98			
20	64QAM	50	24	16.03	16.12	16.02			
20	64QAM	50	50	15.92	16.12	16.12			
20	64QAM	100	0	16.11	16.16	16.15	17	3	
20	256QAM	1	0	14.07	14.14	14.04			
20	256QAM	1	49	13.92	14.06	13.99			
20	256QAM	1	99	13.93	14.12	14.01			
20	256QAM	50	0	14.06	14.17	14.16	15	5	
20	256QAM	50	24	14.06	14.18	14.03			
20	256QAM	50	50	14.02	14.20	14.02			
20	256QAM	100	0	13.92	14.06	14.01			
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3422.5	3500	3542.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	19.02	19.04	19.04			
15	QPSK	1	37	18.96	18.99	18.89	20	0	
15	QPSK	1	74	18.92	19.01	18.90			
15	QPSK	36	0	17.91	18.09	18.01			
15	QPSK	36	20	17.84	18.04	17.98			
15	QPSK	36	39	17.80	18.08	17.95	19	1	
15	QPSK	75	0	16.07	16.09	16.08			
15	16QAM	1	0	18.07	18.12	18.01			
15	16QAM	1	37	18.00	18.02	17.94			
15	16QAM	1	74	17.84	17.97	17.87	19	1	
15	16QAM	36	0	17.04	17.11	16.95			
15	16QAM	36	20	16.90	16.92	16.95			
15	16QAM	36	39	16.89	17.03	17.04			
15	16QAM	75	0	17.06	17.11	17.10	18	2	
15	64QAM	1	0	17.01	17.10	16.93			
15	64QAM	1	37	16.99	17.09	17.03			
15	64QAM	1	74	16.89	16.98	16.92			
15	64QAM	36	0	15.99	16.10	15.93	17	3	
15	64QAM	36	20	15.92	16.08	15.91			
15	64QAM	36	39	15.83	16.05	16.00			
15	64QAM	75	0	15.97	16.09	16.09			
15	256QAM	1	0	14.02	14.07	13.98	15	5	
15	256QAM	1	37	13.78	14.02	13.96			
15	256QAM	1	74	13.83	14.07	13.89			
15	256QAM	36	0	14.04	14.11	14.11			
15	256QAM	36	20	14.00	14.04	13.94	15	5	
15	256QAM	36	39	13.90	14.10	13.93			
15	256QAM	75	0	13.93	13.95	13.94			
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455	3500	3545	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	18.98	19.02	19.06			
10	QPSK	1	25	18.93	18.96	18.96	20	0	
10	QPSK	1	49	18.90	18.96	18.93			
10	QPSK	25	0	17.98	18.06	17.90			
10	QPSK	25	12	17.88	18.05	17.96	19	1	
10	QPSK	25	25	17.88	18.06	17.97			
10	QPSK	50	0	18.02	18.05	18.12			
10	16QAM	1	0	18.00	18.06	17.97			
10	16QAM	1	25	17.97	18.03	17.98	19	1	
10	16QAM	1	49	17.91	17.92	17.91			
10	16QAM	25	0	17.00	17.10	16.99			
10	16QAM	25	12	16.90	17.00	16.89			
10	16QAM	25	25	16.91	16.96	17.06	18	2	
10	16QAM	50	0	17.07	17.10	17.08			
10	64QAM	1	0	17.02	17.15	16.91			
10	64QAM	1	25	17.03	17.15	16.99			
10	64QAM	1	49	16.91	16.91	16.95	17	3	
10	64QAM	25	0	15.99	16.10	15.90			
10	64QAM	25	12	15.96	16.09	15.97			
10	64QAM	25	25	15.85	16.06	15.99			
10	64QAM	50	0	16.02	16.10	16.01	15	5	
10	256QAM	1	0	13.99	14.11	13.92			
10	256QAM	1	25	13.86	13.95	13.89			
10	256QAM	1	49	13.87	14.04	13.87			
10	256QAM	25	0	13.97	14.14	14.03	15	5	
10	256QAM	25	12	13.98	14.07	13.95			
10	256QAM	25	25	13.96	14.15	13.90			
10	256QAM	50	0	13.85	13.94	13.98			
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3242.5	3500	3547.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	19.00	19.05	18.98			
5	QPSK	1	12	18.93	19.01	18.96	20	0	
5	QPSK	1	24	18.86	18.99	18.96			
5	QPSK	12	0	17.94	18.13	17.98			
5	QPSK	12	7	17.88	18.02	17.88	19	1	
5	QPSK	12	13	17.86	18.00	17.95			
5	QPSK	25	0	18.01	18.12	18.08			
5	16QAM	1	0	18.06	18.10	17.94			
5	16QAM	1	12	17.89	18.11	18.01	19	1	
5	16QAM	1	24	17.87	17.97	17.95			
5	16QAM	12	0	17.03	17.03	16.99			
5	16QAM	12	7	16.97	17.03	16.90			
5	16QAM	12	13	16.88	17.00	17.04	18	2	
5	16QAM	25	0	17.00	17.12	17.07			
5	64QAM	1	0	16.96	17.10	16.91			
5	64QAM	1	12	16.96	17.16	17.02			
5	64QAM	1	24	16.92	16.92	16.96	18	2	
5	64QAM	12	0	15.99	16.11	15.91			
5	64QAM	12	7	15.90	16.05	15.95			
5	64QAM	12	13	15.88	16.05	16.00			
5	64QAM	25	0	15.97	16.06	16.01	17	3	
5	256QAM	1	0	14.02	14.06	13.90			
5	256QAM	1	12	13.79	14.04	13.99			
5	256QAM	1	24	13.86	14.09	13.88			
5	256QAM	12	0	13.92	14.08	14.05	15	5	
5	256QAM	12	7	13.99	14.14	13.98			
5	256QAM	12	13	13.97	14.13	13.97			
5	256QAM	25	0	13.85	13.94	13.97			

Band 48 Ant 2 DSI 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	19.03	19.12	19.01	19.10	20	0
20	QPSK	1	49	19.01	19.06	18.94	19.00		
20	QPSK	1	99	19.01	19.11	18.93	19.09		
20	QPSK	50	0	18.08	18.13	17.99	18.09	19	1
20	QPSK	50	24	18.05	18.04	17.97	17.99		
20	QPSK	50	50	18.01	18.11	17.97	18.04		
20	QPSK	100	0	18.02	18.14	17.92	18.01	19	1
20	16QAM	1	0	18.02	18.11	17.97	18.06		
20	16QAM	1	49	17.95	18.03	17.91	18.04		
20	16QAM	1	99	17.97	18.05	17.90	18.05	18	2
20	16QAM	50	0	17.07	17.16	17.04	16.94		
20	16QAM	50	24	17.00	17.03	17.03	16.93		
20	16QAM	50	50	16.96	17.10	16.89	17.03	18	2
20	16QAM	100	0	16.98	17.16	16.93	17.02		
20	64QAM	1	0	17.03	17.06	17.03	17.11		
20	64QAM	1	49	17.02	17.04	16.94	17.05	18	2
20	64QAM	1	99	17.00	17.08	16.92	17.14		
20	64QAM	50	0	16.03	16.14	16.00	16.07		
20	64QAM	50	24	16.08	16.03	16.03	15.95	17	3
20	64QAM	50	50	15.95	16.15	15.90	16.03		
20	64QAM	100	0	16.01	16.17	15.91	16.01		
20	256QAM	1	0	14.04	14.06	14.06	14.15	15	5
20	256QAM	1	49	14.06	14.05	13.96	14.01		
20	256QAM	1	99	14.03	14.05	13.95	14.11		
20	256QAM	50	0	14.08	14.15	13.97	14.09	15	5
20	256QAM	50	24	14.01	14.07	13.98	13.94		
20	256QAM	50	50	14.06	14.08	13.86	14.08		
20	256QAM	100	0	14.05	14.10	13.93	14.04	15	5
Channel				55315	55820	56160	56665		
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	18.97	19.10	18.98	19.03	20	0
15	QPSK	1	37	18.95	19.01	18.87	18.89		
15	QPSK	1	74	18.95	19.06	18.83	19.02		
15	QPSK	36	0	18.06	18.08	17.89	18.06	19	1
15	QPSK	36	20	18.01	17.97	17.97	17.99		
15	QPSK	36	39	17.93	18.09	17.84	17.99		
15	QPSK	75	0	17.94	18.03	17.89	17.98	19	1
15	16QAM	1	0	17.92	18.00	17.92	18.04		
15	16QAM	1	37	17.91	18.02	17.85	18.00		
15	16QAM	1	74	17.86	17.94	17.81	17.98	18	2
15	16QAM	36	0	16.97	17.06	17.01	16.93		
15	16QAM	36	20	16.98	16.93	16.91	16.83		
15	16QAM	36	39	16.86	17.03	16.79	17.01	18	2
15	16QAM	75	0	16.94	17.04	16.86	17.01		
15	64QAM	1	0	16.94	16.94	17.00	17.09		
15	64QAM	1	37	16.91	16.94	16.83	16.95	17	3
15	64QAM	1	74	16.91	17.00	16.81	17.11		
15	64QAM	36	0	15.95	16.14	15.99	16.05		
15	64QAM	36	20	16.01	15.94	15.95	15.91	15	5
15	64QAM	36	39	15.89	16.07	15.89	16.00		
15	64QAM	75	0	15.96	16.09	15.90	15.89		
15	256QAM	1	0	14.01	14.02	14.00	14.04	15	5
15	256QAM	1	37	14.02	13.97	13.89	13.94		
15	256QAM	1	74	14.00	13.99	13.93	14.05		
15	256QAM	36	0	14.06	14.05	13.89	13.96	15	5
15	256QAM	36	20	13.99	13.98	13.89	13.86		
15	256QAM	36	39	13.99	14.02	13.78	14.07		
15	256QAM	75	0	13.94	14.03	13.90	13.97	15	5
Channel				55290	55815	56165	56690		
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	18.97	19.10	18.97	19.07	20	0
10	QPSK	1	25	18.94	18.95	18.92	18.98		
10	QPSK	1	49	18.95	19.10	18.86	19.04		
10	QPSK	25	0	18.07	18.13	17.95	17.99	19	1
10	QPSK	25	12	18.01	17.98	17.99	17.88		
10	QPSK	25	25	17.95	18.03	17.78	17.94		
10	QPSK	50	0	17.99	18.13	17.80	17.94	19	1
10	16QAM	1	0	17.92	18.04	17.93	17.95		
10	16QAM	1	25	17.94	18.00	17.88	18.04		
10	16QAM	1	49	17.88	18.00	17.88	17.99	18	2
10	16QAM	25	0	16.96	17.14	16.98	17.00		
10	16QAM	25	12	16.93	16.96	16.89	16.85		
10	16QAM	25	25	16.93	17.01	16.87	16.96	18	2
10	16QAM	50	0	16.88	17.09	16.90	16.92		
10	64QAM	1	0	16.94	17.04	16.92	17.07		
10	64QAM	1	25	17.02	16.93	16.92	16.92	17	3
10	64QAM	1	49	16.93	17.06	16.82	17.13		
10	64QAM	1	99	16.97	16.04	15.95	16.05		
10	64QAM	25	12	16.05	15.99	15.97	15.84	15	5
10	64QAM	25	25	15.84	16.13	15.79	15.99		
10	64QAM	50	0	15.96	16.15	15.83	15.96		
10	256QAM	1	0	14.04	14.03	13.95	14.07	15	5
10	256QAM	1	25	14.02	13.96	13.83	14.00		
10	256QAM	1	49	13.96	14.03	13.88	14.10		
10	256QAM	25	0	13.97	14.11	13.89	13.98	15	5
10	256QAM	25	12	13.90	14.05	13.86	13.89		
10	256QAM	25	25	13.99	13.97	13.76	14.07		
10	256QAM	50	0	13.99	14.02	13.83	13.94	15	5
Channel				35535	35910	3643	3697.5		
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	18.93	19.11	18.96	19.07	20	0
5	QPSK	1	12	18.96	18.94	18.93	18.96		
5	QPSK	1	24	18.97	19.06	18.89	19.03		
5	QPSK	12	0	18.03	18.12	17.93	18.04	19	1
5	QPSK	12	6	17.95	17.98	17.79	17.88		
5	QPSK	12	13	17.95	18.01	17.76	17.94		
5	QPSK	25	0	17.92	18.12	17.82	17.95	19	1
5	16QAM	1	0	17.91	18.00	17.92	18.06		
5	16QAM	1	12	17.86	17.92	17.81	18.02		
5	16QAM	1	24	17.87	18.02	17.80	18.00	18	2
5	16QAM	12	0	16.98	17.06	17.04	16.97		
5	16QAM	12	7	16.99	16.98	16.96	16.83		
5	16QAM	12	13	16.91	17.10	16.85	17.03	17	3
5	16QAM	25	0	16.90	17.05	16.81	16.96		
5	16QAM	25	6	16.95	17.04	16.92	17.11		
5	64QAM	1	0	17.01	16.95	16.84	16.96	18	2
5	64QAM	1	24	16.98	17.03	16.92	17.04		
5	64QAM	12	0	15.98	16.03	15.94	16.08		
5	64QAM	12	7	16.00	15.94	15.97	15.84	17	3
5	64QAM	12	13	15.87	16.08	15.81	15.99		
5	64QAM	25	0	16.03	16.15	15.85	15.97		
5	256QAM	1	0	13.93	13.94	13.98	14.14	15	5
5	256QAM	1	12	14.05	13.98	13.95	13.95		
5	256QAM	1	24	13.99	13.94	13.85	14.03		
5	256QAM	12	0	14.01	14.07	13.94	14.03	15	5
5	256QAM	12	7	13.97	14.05	13.94	13.84		
5	256QAM	12	13	14.00	13.98	13.85	14.02		
5	256QAM	25	0	14.03	14.09	13.83	14.02	15	5

Band 38 Ant 3 DSI 3													
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)					
Channel				37850	38000	38150							
Frequency (MHz)				2580	2595	2610							
20	QPSK	1	0	23.43	23.52	23.48	24.5	0					
20	QPSK	1	49	23.38	23.45	23.38							
20	QPSK	1	99	23.40	23.40	23.37	23.5	1					
20	QPSK	50	0	22.37	22.57	22.43							
20	QPSK	50	24	22.34	22.49	22.37	23.5	1					
20	QPSK	50	50	22.41	22.42	22.33							
20	QPSK	100	0	22.46	22.52	22.50	23.5	1					
20	16QAM	1	0	22.44	22.54	22.47							
20	16QAM	1	49	22.38	22.51	22.36	23.5	1					
20	16QAM	1	99	22.39	22.39	22.34							
20	16QAM	50	0	21.36	21.56	21.36	22.5	2					
20	16QAM	50	24	21.36	21.54	21.35							
20	16QAM	50	50	21.42	21.43	21.29	22.5	2					
20	16QAM	100	0	21.40	21.53	21.47							
20	64QAM	1	0	21.50	21.56	21.43	22.5	2					
20	64QAM	1	49	21.43	21.52	21.36							
20	64QAM	1	99	21.33	21.41	21.31	21.5	3					
20	64QAM	50	0	20.39	20.58	20.44							
20	64QAM	50	24	20.35	20.54	20.32	19.5	5					
20	64QAM	50	50	20.41	20.47	20.31							
20	64QAM	100	0	20.48	20.58	20.45	19.5	5					
20	256QAM	1	0	18.32	18.52	18.37							
20	256QAM	1	49	18.40	18.46	18.40	19.5	5					
20	256QAM	1	99	18.44	18.37	18.35							
20	256QAM	50	0	18.46	18.48	18.46	19.5	5					
20	256QAM	50	24	18.45	18.58	18.42							
20	256QAM	50	50	18.43	18.54	18.34	20.5	3					
20	256QAM	100	0	18.38	18.42	18.29							
Channel				37825	38000	38175							
Frequency (MHz)				2582.5	2595	2612.5							
15	QPSK	1	0	23.29	23.45	23.45	24.5	0					
15	QPSK	1	37	23.31	23.38	23.27							
15	QPSK	1	74	23.36	23.27	23.32	23.5	1					
15	QPSK	36	0	22.25	22.47	22.32							
15	QPSK	36	20	22.31	22.41	22.29	23.5	1					
15	QPSK	36	39	22.27	22.36	22.22							
15	QPSK	75	0	22.42	22.47	22.42	23.5	1					
15	16QAM	1	0	22.33	22.40	22.39							
15	16QAM	1	37	22.31	22.38	22.25	23.5	1					
15	16QAM	1	74	22.27	22.31	22.25							
15	16QAM	36	0	21.27	21.45	21.27	22.5	2					
15	16QAM	36	20	21.28	21.45	21.28							
15	16QAM	36	39	21.29	21.37	21.24	22.5	2					
15	16QAM	75	0	21.32	21.43	21.45							
15	64QAM	1	0	21.41	21.49	21.30	22.5	2					
15	64QAM	1	37	21.35	21.39	21.32							
15	64QAM	1	74	21.25	21.29	21.26	21.5	3					
15	64QAM	36	0	20.32	20.51	20.32							
15	64QAM	36	20	20.32	20.48	20.23	19.5	5					
15	64QAM	36	39	20.37	20.36	20.20							
15	64QAM	75	0	20.40	20.51	20.37	19.5	5					
15	256QAM	1	0	18.20	18.41	18.33							
15	256QAM	1	37	18.30	18.38	18.34	19.5	5					
15	256QAM	1	74	18.32	18.28	18.30							
15	256QAM	36	0	18.39	18.41	18.43	19.5	5					
15	256QAM	36	20	18.35	18.50	18.32							
15	256QAM	36	39	18.39	18.44	18.23	20.5	3					
15	256QAM	75	0	18.27	18.35	18.25							
Channel				37800	38000	38200							
Frequency (MHz)				2575	2595	2615							
10	QPSK	1	0	23.34	23.39	23.42	24.5	0					
10	QPSK	1	25	23.27	23.39	23.32							
10	QPSK	1	49	23.38	23.33	23.35	23.5	1					
10	QPSK	25	0	22.24	22.46	22.36							
10	QPSK	25	12	22.24	22.37	22.31	23.5	1					
10	QPSK	25	25	22.37	22.37	22.20							
10	QPSK	50	0	22.39	22.46	22.43	23.5	1					
10	16QAM	1	0	22.33	22.48	22.35							
10	16QAM	1	25	22.27	22.45	22.22	23.5	1					
10	16QAM	1	49	22.35	22.31	22.27							
10	16QAM	25	0	21.32	21.53	21.31	22.5	2					
10	16QAM	25	12	21.32	21.50	21.27							
10	16QAM	25	25	21.28	21.40	21.17	22.5	2					
10	16QAM	50	0	21.30	21.42	21.40							
10	64QAM	1	0	21.43	21.53	21.34	22.5	2					
10	64QAM	1	25	21.34	21.44	21.27							
10	64QAM	1	49	21.19	21.35	21.29	21.5	3					
10	64QAM	25	0	20.34	20.52	20.32							
10	64QAM	25	12	20.27	20.50	20.19	19.5	5					
10	64QAM	25	25	20.38	20.36	20.25							
10	64QAM	50	0	20.43	20.52	20.32	19.5	5					
10	256QAM	1	0	18.28	18.50	18.33							
10	256QAM	1	25	18.27	18.39	18.36	19.5	5					
10	256QAM	1	49	18.39	18.27	18.33							
10	256QAM	25	0	18.39	18.35	18.39	19.5	5					
10	256QAM	25	12	18.34	18.50	18.31							
10	256QAM	25	25	18.34	18.47	18.23	20.5	3					
10	256QAM	50	0	18.34	18.32	18.26							
Channel				37775	38000	38225							
Frequency (MHz)				2572.5	2595	2617.5							
5	QPSK	1	0	23.38	23.39	23.37	24.5	0					
5	QPSK	1	12	23.28	23.36	23.29							
5	QPSK	1	24	23.30	23.26	23.27	23.5	1					
5	QPSK	12	0	22.23	22.51	22.34							
5	QPSK	12	7	22.29	22.36	22.35	23.5	1					
5	QPSK	12	13	22.31	22.30	22.27							
5	QPSK	25	0	22.43	22.48	22.46	23.5	1					
5	16QAM	1	0	22.41	22.46	22.40							
5	16QAM	1	12	22.29	22.41	22.31	23.5	1					
5	16QAM	1	24	22.26	22.28	22.22							
5	16QAM	12	0	21.25	21.43	21.29	22.5	2					
5	16QAM	12	7	21.28	21.41	21.24							
5	16QAM	12	13	21.34	21.32	21.22	22.5	2					
5	16QAM	25	0	21.31	21.43	21.34							
5	64QAM	1	0	21.42	21.47	21.32	22.5	2					
5	64QAM	1	12	21.36	21.42	21.27							
5	64QAM	1	24	21.21	21.33	21.22	21.5	3					
5	64QAM	12	0	20.35	20.54	20.37							
5	64QAM	12	7	20.31	20.50	20.25	19.5	5					
5	64QAM	12	13	20.33	20.44	20.22							
5	64QAM	25	0	20.43	20.47	20.20	19.5	5					
5	256QAM	1	0	18.23	18.36	18.26							
5	256QAM	1	12	18.33	18.34	18.33	19.5	5					
5	256QAM	1	24	18.30	18.25	18.24							
5	256QAM	12	0	18.44	18.38	18.33	19.5	5					
5	256QAM	12	7	18.38	18.55	18.30							
5	256QAM	12	13	18.39	18.42	18.26	19.5	5					
5	256QAM	25	0	18.24	18.31	18.19							

Band 42 Part 27Q Ant 3 DSI 3										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				42190	42590	42990	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3455	3500	3545				
20	QPSK	1	0	20.46	20.47	20.22	21.5	0		
20	QPSK	1	49	20.42	20.41	20.19				
20	QPSK	1	99	20.42	20.46	20.19				
20	QPSK	50	0	19.47	19.47	19.21	20.5	1		
20	QPSK	50	24	19.44	19.42	19.23				
20	QPSK	50	50	19.46	19.42	19.20				
20	QPSK	100	0	19.37	19.41	19.16	19.5	2		
20	16QAM	1	0	19.41	19.41	19.19				
20	16QAM	1	49	19.46	19.47	19.19				
20	16QAM	1	99	19.46	19.50	19.23	19.5	2		
20	16QAM	50	0	18.41	18.45	18.26				
20	16QAM	50	24	18.41	18.43	18.25				
20	16QAM	50	50	18.46	18.44	18.24	19.5	2		
20	16QAM	100	0	18.38	18.36	18.19				
20	64QAM	1	0	18.38	18.43	18.08				
20	64QAM	1	49	18.32	18.35	18.13	19.5	2		
20	64QAM	1	99	18.37	18.35	18.08				
20	64QAM	50	0	17.35	17.41	17.16				
20	64QAM	50	24	17.29	17.30	17.12	18.5	3		
20	64QAM	50	50	17.35	17.34	17.16				
20	64QAM	100	0	17.22	17.38	17.03				
20	256QAM	1	0	15.40	15.43	15.27	16.5	5		
20	256QAM	1	49	15.37	15.42	15.24				
20	256QAM	1	99	15.39	15.42	15.23				
20	256QAM	50	0	15.37	15.39	15.05	16.5	5		
20	256QAM	50	24	15.37	15.33	15.16				
20	256QAM	50	50	15.40	15.30	15.16				
20	256QAM	100	0	15.27	15.32	15.07	Tune-up limit (dBm)	MPR (dB)		
Channel				42165	42590	43015				
Frequency (MHz)				3457.5	3500	3542.5				
15	QPSK	1	0	20.46	20.46	20.18	21.5	0		
15	QPSK	1	37	20.39	20.39	20.11				
15	QPSK	1	74	20.32	20.39	20.14				
15	QPSK	36	0	19.46	19.45	19.20	20.5	1		
15	QPSK	36	20	19.39	19.32	19.12				
15	QPSK	36	39	19.41	19.34	19.09				
15	QPSK	75	0	19.28	19.40	19.06	20.5	1		
15	16QAM	1	0	19.41	19.40	19.14				
15	16QAM	1	37	19.42	19.39	19.17				
15	16QAM	1	74	19.36	19.47	19.19	19.5	2		
15	16QAM	36	0	18.41	18.41	18.25				
15	16QAM	36	20	18.29	18.39	18.19				
15	16QAM	36	39	18.37	18.34	18.21	19.5	2		
15	16QAM	75	0	18.27	18.32	18.14				
15	64QAM	1	0	18.28	18.36	18.01				
15	64QAM	1	37	18.30	18.30	18.02	18.5	2		
15	64QAM	1	74	18.36	18.28	18.07				
15	64QAM	36	0	17.26	17.32	17.08				
15	64QAM	36	20	17.25	17.27	17.04	18.5	3		
15	64QAM	36	39	17.27	17.31	17.05				
15	64QAM	75	0	17.13	17.26	17.00				
15	256QAM	1	0	15.31	15.37	15.06	16.5	5		
15	256QAM	1	37	15.27	15.37	15.18				
15	256QAM	1	74	15.32	15.34	15.12				
15	256QAM	36	0	15.33	15.37	14.98	16.5	5		
15	256QAM	36	20	15.33	15.22	15.07				
15	256QAM	36	39	15.40	15.27	15.07				
15	256QAM	75	0	15.24	15.23	15.00	Tune-up limit (dBm)	MPR (dB)		
Channel				42140	42590	43040				
Frequency (MHz)				3455	3500	3545				
10	QPSK	1	0	20.38	20.42	20.16	21.5	0		
10	QPSK	1	25	20.31	20.31	20.15				
10	QPSK	1	49	20.33	20.43	20.12				
10	QPSK	25	0	19.41	19.38	19.18	20.5	1		
10	QPSK	25	12	19.41	19.37	19.21				
10	QPSK	25	25	19.36	19.41	19.11				
10	QPSK	50	0	19.27	19.39	19.06	20.5	1		
10	16QAM	1	0	19.40	19.33	19.17				
10	16QAM	1	25	19.39	19.36	19.14				
10	16QAM	1	49	19.35	19.48	19.16	19.5	2		
10	16QAM	25	0	18.41	18.39	18.17				
10	16QAM	25	12	18.40	18.40	18.18				
10	16QAM	25	25	18.44	18.38	18.15	19.5	2		
10	16QAM	50	0	18.29	18.36	18.12				
10	64QAM	1	0	18.28	18.35	18.00				
10	64QAM	1	25	18.29	18.29	18.02	19.5	2		
10	64QAM	1	49	18.29	18.28	18.02				
10	64QAM	25	0	17.35	17.37	17.07				
10	64QAM	25	12	17.17	17.25	17.04	18.5	3		
10	64QAM	25	25	17.27	17.30	17.14				
10	64QAM	50	0	17.13	17.24	16.96				
10	256QAM	1	0	15.37	15.40	15.15	16.5	5		
10	256QAM	1	25	15.27	15.32	15.18				
10	256QAM	1	49	15.32	15.34	15.19				
10	256QAM	25	0	15.33	15.29	14.99	16.5	5		
10	256QAM	25	12	15.36	15.21	15.13				
10	256QAM	25	25	15.32	15.24	15.09				
10	256QAM	50	0	15.25	15.26	15.00	Tune-up limit (dBm)	MPR (dB)		
Channel				42115	42590	43065				
Frequency (MHz)				3452.5	3500	3547.5				
5	QPSK	1	0	20.42	20.43	20.22	21.5	0		
5	QPSK	1	12	20.38	20.33	20.11				
5	QPSK	1	24	20.39	20.34	20.09				
5	QPSK	12	0	19.43	19.37	19.17	20.5	1		
5	QPSK	12	7	19.41	19.38	19.13				
5	QPSK	12	13	19.40	19.35	19.10				
5	QPSK	25	0	19.29	19.32	19.09	20.5	1		
5	16QAM	1	0	19.37	19.34	19.08				
5	16QAM	1	12	19.42	19.44	19.19				
5	16QAM	1	24	19.42	19.40	19.13	19.5	2		
5	16QAM	12	0	18.47	18.40	18.23				
5	16QAM	12	7	18.30	18.42	18.22				
5	16QAM	12	13	18.37	18.43	18.12	19.5	2		
5	16QAM	25	0	18.31	18.30	18.08				
5	64QAM	1	0	18.36	18.41	18.02				
5	64QAM	1	12	18.23	18.27	18.06	19.5	2		
5	64QAM	1	24	18.30	18.25	18.04				
5	64QAM	12	0	17.26	17.41	17.10				
5	64QAM	12	7	17.23	17.19	17.01	18.5	3		
5	64QAM	12	13	17.33	17.24	17.09				
5	64QAM	25	0	17.16	17.24	17.04				
5	256QAM	1	0	15.32	15.33	15.16	16.5	5		
5	256QAM	1	12	15.26	15.38	15.22				
5	256QAM	1	24	15.37	15.34	15.17				
5	256QAM	12	0	15.37	15.27	15.02	16.5	5		
5	256QAM	12	7	15.25	15.29	15.16				
5	256QAM	12	13	15.33	15.28	15.09				
5	256QAM	25	0	15.22	15.24	15.06	Tune-up limit (dBm)	MPR (dB)		

Band 38 Ant 4 DSI 3											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				37650	38000	38150					
Frequency (MHz)				2580	2595	2610					
20	QPSK	1	0	23.11	23.16	23.12	24.5	0			
20	QPSK	1	49	23.09	23.15	23.05					
20	QPSK	1	99	23.03	23.14	23.05					
20	QPSK	50	0	22.10	22.20	22.15	23.5	1			
20	QPSK	50	24	22.05	22.18	22.13					
20	QPSK	50	50	22.11	22.15	22.07					
20	QPSK	100	0	22.14	22.18	22.14	23.5	1			
20	16QAM	1	0	22.10	22.16	22.15					
20	16QAM	1	49	22.09	22.11	22.04					
20	16QAM	1	99	22.05	22.13	22.06	22.5	2			
20	16QAM	50	0	21.08	21.15	21.05					
20	16QAM	50	24	21.07	21.17	21.15					
20	16QAM	50	50	21.17	21.17	21.07	22.5	2			
20	16QAM	100	0	21.01	21.14	20.99					
20	64QAM	1	0	21.09	21.17	21.09					
20	64QAM	1	49	21.05	21.14	21.03	21.5	3			
20	64QAM	1	99	21.08	21.11	21.07					
20	64QAM	50	0	20.12	20.17	20.08					
20	64QAM	50	24	20.08	20.24	20.11	19.5	5			
20	64QAM	50	50	20.16	20.16	20.11					
20	64QAM	100	0	19.97	20.14	20.05					
20	256QAM	1	0	18.05	18.20	18.06	19.5	5			
20	256QAM	1	49	18.10	18.18	18.04					
20	256QAM	1	99	18.04	18.11	18.00					
20	256QAM	50	0	18.08	18.19	18.04	19.5	5			
20	256QAM	50	24	18.05	18.14	18.12					
20	256QAM	50	50	18.06	18.17	18.04					
20	256QAM	100	0	18.02	18.18	18.08					
Channel				37625	38000	38175					
Frequency (MHz)				2577.5	2595	2612.5					
15	QPSK	1	0	23.09	23.14	23.02	24.5	0			
15	QPSK	1	37	23.08	23.08	23.02					
15	QPSK	1	74	22.92	23.10	23.03					
15	QPSK	36	0	22.02	22.09	22.07	23.5	1			
15	QPSK	36	20	21.98	22.07	22.12					
15	QPSK	36	39	22.10	22.15	22.02					
15	QPSK	75	0	22.11	22.12	22.05	23.5	1			
15	16QAM	1	0	21.99	22.06	22.10					
15	16QAM	1	37	22.09	22.07	21.98					
15	16QAM	1	74	21.96	22.10	21.98	22.5	2			
15	16QAM	36	0	21.05	21.10	20.99					
15	16QAM	36	20	21.05	21.12	21.06					
15	16QAM	36	39	21.12	21.11	21.02	22.5	2			
15	16QAM	75	0	20.97	21.03	20.91					
15	64QAM	1	0	21.02	21.10	21.03	22.5	2			
15	64QAM	1	37	20.95	21.08	21.02					
15	64QAM	1	74	21.02	21.09	20.99					
15	64QAM	36	0	20.07	20.13	19.99	21.5	3			
15	64QAM	36	20	20.06	20.12	20.07					
15	64QAM	36	39	20.16	20.06	20.05					
15	64QAM	75	0	19.85	20.11	20.02	19.5	5			
15	256QAM	1	0	17.96	18.12	18.04					
15	256QAM	1	37	18.01	18.11	17.99					
15	256QAM	1	74	18.04	18.03	17.93	19.5	5			
15	256QAM	36	0	18.06	18.19	17.95					
15	256QAM	36	20	18.04	18.09	18.12					
15	256QAM	36	39	18.05	18.15	18.03	19.5	5			
15	256QAM	75	0	17.99	18.13	17.99					
Channel				37600	38000	38200					
Frequency (MHz)				2575	2595	2615					
10	QPSK	1	0	23.10	23.14	23.09	24.5	0			
10	QPSK	1	25	23.00	23.09	22.95					
10	QPSK	1	49	22.93	23.12	22.99					
10	QPSK	25	0	22.09	22.16	22.10	23.5	1			
10	QPSK	25	12	21.96	22.07	22.04					
10	QPSK	25	25	22.05	22.13	22.05					
10	QPSK	50	0	22.13	22.13	22.12	23.5	1			
10	16QAM	1	0	22.04	22.14	22.13					
10	16QAM	1	25	22.07	22.05	22.01					
10	16QAM	1	49	21.96	22.04	22.01	22.5	2			
10	16QAM	25	0	21.00	21.14	20.99					
10	16QAM	25	12	21.00	21.11	21.14					
10	16QAM	25	25	21.05	21.15	21.01	22.5	2			
10	16QAM	50	0	20.98	21.11	20.92					
10	64QAM	1	0	21.02	21.16	21.09					
10	64QAM	1	25	20.96	21.12	20.97	21.5	3			
10	64QAM	1	49	21.05	21.01	20.99					
10	64QAM	25	0	20.10	20.06	20.05					
10	64QAM	25	12	20.02	20.16	20.06	19.5	5			
10	64QAM	25	25	20.05	20.13	20.10					
10	64QAM	50	0	19.91	20.04	19.94					
10	256QAM	1	0	17.99	18.09	18.01	19.5	5			
10	256QAM	1	25	18.03	18.11	18.01					
10	256QAM	1	49	18.03	18.05	17.94					
10	256QAM	25	0	17.96	18.10	18.02	19.5	5			
10	256QAM	25	12	18.03	18.05	18.08					
10	256QAM	25	25	17.97	18.06	17.95					
10	256QAM	50	0	17.99	18.15	17.99					
Channel				37775	38000	38225					
Frequency (MHz)				2572.5	2595	2617.5					
5	QPSK	1	0	23.04	23.14	23.03	24.5	0			
5	QPSK	1	12	23.07	23.08	23.03					
5	QPSK	1	24	23.01	23.06	22.94					
5	QPSK	12	0	22.05	22.14	22.12	23.5	1			
5	QPSK	12	7	21.99	22.12	22.12					
5	QPSK	12	13	22.06	22.05	22.02					
5	QPSK	25	0	22.02	22.15	22.11	23.5	1			
5	16QAM	1	0	22.02	22.11	22.12					
5	16QAM	1	12	22.09	22.01	22.00					
5	16QAM	1	24	21.97	22.06	22.03	22.5	2			
5	16QAM	12	0	20.99	21.06	20.94					
5	16QAM	12	7	20.99	21.12	21.07					
5	16QAM	12	13	21.08	21.10	21.05	21.5	3			
5	16QAM	25	0	20.91	21.09	20.88					
5	64QAM	1	0	21.04	21.16	20.98					
5	64QAM	1	12	21.03	21.09	20.96	22.5	2			
5	64QAM	1	24	21.03	21.08	21.04					
5	64QAM	12	0	20.09	20.07	20.06					
5	64QAM	12	7	19.96	20.18	20.01	21.5	3			
5	64QAM	12	13	20.13	20.09	20.05					
5	64QAM	25	0	19.89	20.08	20.00					
5	256QAM	1	0	18.05	18.11	18.06	19.5	5			
5	256QAM	1	12	18.05	18.11	18.03					
5	256QAM	1	24	17.99	18.07	17.92					
5	256QAM	12	0	18.07	18.10	17.92	19.5	5			
5	256QAM	12	7	18.00	18.03	18.10					
5	256QAM	12	13	17.94	18.10	17.94					
5	256QAM	25	0	17.93	18.12	18.03					

Band 41 Ant 4 DSI 3										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.09	23.16	23.27	23.14	23.25		
20	QPSK	1	49	23.02	23.14	23.25	23.09	23.17	24.5	0
20	QPSK	1	99	23.01	23.15	23.22	23.09	23.17		
20	QPSK	50	0	22.07	22.12	22.27	22.15	22.29		
20	QPSK	50	24	22.11	22.26	22.37	22.13	22.24	23.5	1
20	QPSK	50	50	22.02	22.19	22.23	22.04	22.13		
20	QPSK	100	0	22.01	22.10	22.26	22.08	22.16		
20	16QAM	1	0	22.14	22.12	22.24	22.11	22.24	23.5	1
20	16QAM	1	49	21.98	22.16	22.20	22.11	22.20		
20	16QAM	1	99	21.97	22.19	22.18	22.04	22.21		
20	16QAM	50	0	21.09	21.17	21.24	21.15	21.28	22.5	2
20	16QAM	50	24	21.13	21.16	21.23	21.19	21.25		
20	16QAM	50	50	21.08	21.24	21.27	21.03	21.13		
20	16QAM	100	0	21.05	21.10	21.22	21.09	21.15		
20	64QAM	1	0	21.04	21.21	21.26	21.19	21.21	22.5	2
20	64QAM	1	49	21.03	21.09	21.24	21.07	21.15		
20	64QAM	1	99	21.02	21.14	21.24	21.08	21.20		
20	64QAM	50	0	20.11	20.17	20.29	20.14	20.34	21.5	3
20	64QAM	50	24	20.12	20.20	20.28	20.19	20.21		
20	64QAM	50	50	20.00	20.23	20.27	20.05	20.10		
20	64QAM	100	0	19.95	20.13	20.29	19.13	20.20		
20	256QAM	1	0	17.97	18.12	18.19	18.03	18.12	19.5	5
20	256QAM	1	49	17.92	18.02	18.12	18.03	18.09		
20	256QAM	1	99	17.96	18.01	18.16	18.04	18.03		
20	256QAM	50	0	18.11	18.10	18.28	18.11	18.25	19.5	5
20	256QAM	50	24	18.17	18.15	18.23	18.08	18.23		
20	256QAM	50	50	18.04	18.24	18.26	17.98	18.19		
20	256QAM	100	0	17.96	18.12	18.21	17.96	18.19		
Channel				39725 <th>40173<th>40620<th>41058<th>41515<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th></th></th></th>	40173 <th>40620<th>41058<th>41515<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th></th></th>	40620 <th>41058<th>41515<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th></th>	41058 <th>41515<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th>	41515 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th>	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5 <th>2548.3<th>2593<th>2637.8<th>2682.5<th></th><th></th></th></th></th></th>	2548.3 <th>2593<th>2637.8<th>2682.5<th></th><th></th></th></th></th>	2593 <th>2637.8<th>2682.5<th></th><th></th></th></th>	2637.8 <th>2682.5<th></th><th></th></th>	2682.5 <th></th> <th></th>		
15	QPSK	1	0	23.07	23.11	23.23	23.05	23.22	24.50	0
15	QPSK	1	37	22.92	23.13	23.19	23.09	23.16		
15	QPSK	1	74	22.97	23.11	23.22	22.96	23.15		
15	QPSK	36	0	21.99	22.08	22.22	22.12	22.21	23.5	1
15	QPSK	36	20	21.99	22.08	22.14	22.11	22.20		
15	QPSK	36	39	22.02	22.17	22.21	21.96	22.05		
15	QPSK	75	0	21.89	21.99	22.12	22.03	22.09	23.5	1
15	16QAM	1	0	22.08	22.10	22.16	21.99	22.18	23.5	1
15	16QAM	1	37	21.94	22.13	22.13	22.03	22.14		
15	16QAM	1	74	21.90	22.12	22.08	21.99	22.13		
15	16QAM	36	0	21.08	21.12	21.19	21.04	21.22	22.5	2
15	16QAM	36	20	21.01	21.10	21.17	21.16	21.25		
15	16QAM	36	39	21.05	21.21	21.23	21.03	21.07		
15	16QAM	75	0	21.05	21.03	21.15	21.08	21.09		
15	64QAM	1	0	20.95	21.13	21.16	21.17	21.11	22.5	2
15	64QAM	1	37	20.95	20.98	21.19	20.99	21.08		
15	64QAM	1	74	20.98	21.04	21.21	20.99	21.08		
15	64QAM	36	0	20.00	20.06	20.20	20.07	20.23	21.5	3
15	64QAM	36	20	20.09	20.14	20.27	20.15	20.19		
15	64QAM	36	39	19.91	20.17	20.27	19.94	20.09		
15	64QAM	75	0	19.94	20.05	20.28	20.05	20.19		
15	256QAM	1	0	17.91	18.03	18.09	18.02	18.04	19.5	5
15	256QAM	1	37	17.89	17.97	18.07	17.98	18.07		
15	256QAM	1	74	17.96	17.89	18.14	18.03	17.97		
15	256QAM	36	0	18.03	17.99	18.20	18.06	18.11	19.5	5
15	256QAM	36	20	18.12	18.05	18.12	18.07	18.12		
15	256QAM	36	39	17.99	18.12	18.17	17.87	18.11		
15	256QAM	75	0	17.92	18.08	18.10	17.96	18.16		
Channel				39700 <th>40160<th>40620<th>41080<th>41540<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th></th></th></th>	40160 <th>40620<th>41080<th>41540<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th></th></th>	40620 <th>41080<th>41540<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th></th>	41080 <th>41540<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th>	41540 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th>	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501 <th>2547<th>2593<th>2637<th>2683<th></th><th></th></th></th></th></th>	2547 <th>2593<th>2637<th>2683<th></th><th></th></th></th></th>	2593 <th>2637<th>2683<th></th><th></th></th></th>	2637 <th>2683<th></th><th></th></th>	2683 <th></th> <th></th>		
10	QPSK	1	0	23.01	23.01	23.25	23.04	23.24	24.50	0
10	QPSK	1	25	22.93	23.08	23.24	23.05	23.05		
10	QPSK	1	49	22.92	23.12	23.19	23.01	23.16		
10	QPSK	25	0	22.05	22.07	22.22	22.06	22.25	23.5	1
10	QPSK	25	12	22.07	22.13	22.16	22.04	22.12		
10	QPSK	25	25	22.00	22.16	22.13	22.04	22.04		
10	QPSK	37	0	21.97	22.05	22.16	22.07	22.05	23.5	1
10	16QAM	1	0	22.08	22.07	22.17	22.02	22.22		
10	16QAM	1	25	21.92	22.10	22.16	22.07	22.12	23.5	1
10	16QAM	1	49	21.93	22.17	22.11	22.02	22.13		
10	16QAM	25	0	21.06	21.13	21.21	21.03	21.27	22.5	2
10	16QAM	25	12	21.11	21.14	21.22	21.16	21.21		
10	16QAM	25	25	21.02	21.15	21.20	20.96	21.09		
10	16QAM	50	0	20.95	21.08	21.19	21.08	21.09		
10	64QAM	1	0	20.97	21.19	21.17	21.14	21.18	22.5	2
10	64QAM	1	25	21.02	21.09	21.23	21.01	21.05		
10	64QAM	1	49	21.00	21.04	21.18	21.08	21.09		
10	64QAM	25	0	20.06	20.10	20.22	20.07	20.24	21.5	3
10	64QAM	25	12	20.10	20.10	20.21	20.11	20.16		
10	64QAM	25	25	19.94	20.19	20.23	20.04	20.03		
10	64QAM	50	0	19.90	20.11	20.28	20.10	20.18		
10	256QAM	1	0	17.96	18.10	18.08	17.92	18.03	19.5	5
10	256QAM	1	25	17.81	17.94	18.07	17.97	17.88		
10	256QAM	1	49	17.89	17.92	18.08	17.98	18.00		
10	256QAM	25	0	18.09	18.05	18.26	18.03	18.19		
10	256QAM	25	12	18.14	18.09	18.16	18.02	18.16	19.5	5
10	256QAM	25	25	17.94	18.20	18.16	17.94	18.09		
10	256QAM	50	0	17.90	18.09	18.15	18.02	18.07		
Channel				39713 <th>40164<th>40623<th>41083<th>41545<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th></th></th></th>	40164 <th>40623<th>41083<th>41545<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th></th></th>	40623 <th>41083<th>41545<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th></th>	41083 <th>41545<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th>	41545 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th>	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5 <th>2545.8<th>2593<th>2640.30<th>2687.5<th></th><th></th></th></th></th></th>	2545.8 <th>2593<th>2640.30<th>2687.5<th></th><th></th></th></th></th>	2593 <th>2640.30<th>2687.5<th></th><th></th></th></th>	2640.30 <th>2687.5<th></th><th></th></th>	2687.5 <th></th> <th></th>		
5	QPSK	1	0	22.97	23.05	23.24	23.02	23.14	24.50	0
5	QPSK	1	12	22.94	23.03	23.14	23.08	23.11		
5	QPSK	1	24	22.91	23.13	23.15	23.06	23.12		
5	QPSK	12	0	21.97	22.10	22.25	22.07	22.22	23.5	1
5	QPSK	12	13	21.98	22.12	22.20	21.97	22.06		
5	QPSK	25	0	21.92	21.98	22.18	22.02	22.05		
5	16QAM	1	0	22.11	22.05	22.14	22.04	22.16	23.5	1
5	16QAM	1	12	21.95	22.04	22.15	22.07	22.21		
5	16QAM	1	24	21.96	22.16	22.18	21.97	22.11		
5	16QAM	12	0	21.00	21.14	21.16	21.04	21.28	22.5	2
5	16QAM	12	7	21.02	21.08	21.14	21.16	21.19		
5	16QAM	12	13	21.01	21.16	21.23	20.94	21.04		
5	16QAM	25	0	20.96	21.09	21.18	21.06	21.09	21.5	3
5	16QAM	1	0	20.95	21.16	21.19	21.10	21.21		
5	64QAM	1	12	20.91	20.98	21.20	21.03	21.12	22.5	2
5	64QAM	1	24	20.94	21.12	21.16	21.04	21.08		
5	64QAM	12	0	20.05	20.15	20.23	20.08	20.27		
5	64QAM	12	7	20.08	20.16	20.18	20.08	20.10		
5	64QAM	12	13	19.91	20.20	20.16	20.01	20.09		
5	256QAM	25	0	18.93	20.10	20.19	20.11	20.20	19.5	5
5	256QAM	1	0	17.96	18.06	18.16	17.98	18.11		
5	256QAM	1	12	17.90	17.93	18.01	17.93	17.98		
5	256QAM	1	24	17.90	17.97	18.12	18.01	18.01		
5	256QAM	12	0	18.10	18.07	18.24	17.99	18.16		
5	256QAM	12	7	18.15	18.03	18.18	18.06	18.19	19.5	5
5	256QAM	12	13	18.03	18.15	18.25	17.98	18.12		
5	256QAM	25	0	17.86	18.01	18.13	17.98	18.18		

Band 42 Part 27Q Ant 5 DSI 3										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel				42190	42590	42990	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3460	3500	3540				
20	QPSK	1	0	24.56	24.59	24.54	25.5	0		
20	QPSK	1	49	24.54	24.57	24.51				
20	QPSK	1	99	24.52	24.56	24.49				
20	QPSK	50	0	23.53	23.57	23.52	24.5	1		
20	QPSK	50	24	23.57	23.56	23.57				
20	QPSK	50	50	23.54	23.55	23.45				
20	QPSK	100	0	23.52	23.55	23.54	24.5	1		
20	16QAM	1	0	23.53	23.57	23.52				
20	16QAM	1	49	23.59	23.58	23.46				
20	16QAM	50	0	22.48	22.56	22.48	23.5	2		
20	16QAM	50	24	22.52	22.50	22.51				
20	16QAM	50	50	22.59	22.52	22.48				
20	16QAM	100	0	22.47	22.56	22.53	23.5	2		
20	64QAM	1	0	22.53	22.56	22.57				
20	64QAM	1	49	22.50	22.56	22.50				
20	64QAM	1	99	22.51	22.60	22.45	22.5	3		
20	64QAM	50	0	21.58	21.61	21.53				
20	64QAM	50	24	21.54	21.58	21.59				
20	64QAM	50	50	21.55	21.61	21.41	20.5	5		
20	64QAM	100	0	21.55	21.52	21.55				
20	256QAM	1	0	19.55	19.56	19.48				
20	256QAM	1	49	19.54	19.56	19.53	20.5	5		
20	256QAM	1	99	19.54	19.61	19.48				
20	256QAM	50	0	19.57	19.59	19.52				
20	256QAM	50	24	19.52	19.54	19.61	20.5	5		
20	256QAM	50	50	19.53	19.56	19.48				
20	256QAM	100	0	19.55	19.57	19.56				
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3457.5	3500	3542.5				
15	QPSK	1	0	24.46	24.56	24.47	25.5	0		
15	QPSK	1	37	24.46	24.47	24.39				
15	QPSK	1	74	24.40	24.48	24.48				
15	QPSK	36	0	23.44	23.45	23.51	24.5	1		
15	QPSK	36	20	23.52	23.49	23.54				
15	QPSK	36	39	23.49	23.45	23.41				
15	QPSK	75	0	23.40	23.46	23.46	24.5	1		
15	16QAM	1	0	23.46	23.56	23.40				
15	16QAM	1	37	23.48	23.47	23.36				
15	16QAM	1	74	23.49	23.50	23.36	23.5	2		
15	16QAM	36	0	22.36	22.50	22.47				
15	16QAM	36	20	22.51	22.46	22.49				
15	16QAM	36	39	22.48	22.50	22.42	23.5	2		
15	16QAM	75	0	22.45	22.51	22.46				
15	64QAM	1	0	22.50	22.51	22.46				
15	64QAM	1	37	22.40	22.46	22.47	22.5	3		
15	64QAM	36	0	21.51	21.59	21.52				
15	64QAM	36	20	21.47	21.46	21.57				
15	64QAM	36	39	21.51	21.54	21.33	20.5	5		
15	64QAM	75	0	21.50	21.45	21.48				
15	256QAM	1	0	19.52	19.51	19.41				
15	256QAM	1	37	19.43	19.56	19.51	20.5	5		
15	256QAM	1	74	19.46	19.60	19.42				
15	256QAM	36	0	19.56	19.57	19.40				
15	256QAM	36	20	19.46	19.45	19.57	20.5	5		
15	256QAM	36	39	19.50	19.50	19.40				
15	256QAM	75	0	19.51	19.51	19.45				
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3455	3500	3545				
10	QPSK	1	0	24.51	24.58	24.43	25.5	0		
10	QPSK	1	25	24.47	24.50	24.43				
10	QPSK	1	49	24.49	24.55	24.41				
10	QPSK	25	0	23.44	23.56	23.45	24.5	1		
10	QPSK	25	12	23.52	23.45	23.50				
10	QPSK	25	25	23.49	23.50	23.43				
10	QPSK	50	0	23.44	23.53	23.45	24.5	1		
10	16QAM	1	0	23.49	23.45	23.44				
10	16QAM	1	25	23.52	23.47	23.45				
10	16QAM	1	49	23.40	23.60	23.44	23.5	2		
10	16QAM	25	0	22.44	22.55	22.48				
10	16QAM	25	12	22.44	22.39	22.46				
10	16QAM	25	25	22.56	22.49	22.41	23.5	2		
10	16QAM	50	0	22.41	22.54	22.51				
10	64QAM	1	0	22.48	22.54	22.50				
10	64QAM	1	25	22.49	22.49	22.46	22.5	3		
10	64QAM	1	49	22.41	22.56	22.36				
10	64QAM	25	0	21.55	21.57	21.48				
10	64QAM	25	12	21.49	21.54	21.51	22.5	3		
10	64QAM	25	25	21.49	21.50	21.30				
10	64QAM	50	0	21.43	21.47	21.49				
10	256QAM	1	0	19.45	19.52	19.42	20.5	5		
10	256QAM	1	25	19.50	19.53	19.45				
10	256QAM	1	49	19.53	19.51	19.37				
10	256QAM	25	0	19.49	19.52	19.47	20.5	5		
10	256QAM	25	12	19.44	19.44	19.50				
10	256QAM	25	25	19.46	19.48	19.43				
10	256QAM	50	0	19.49	19.55	19.52	20.5	5		
Channel <td>42115</td> <td>42590</td> <td>43065</td> <td>Tune-up limit (dBm)</td> <td>MPR (dB)</td> <td colspan="2"></td>				42115	42590	43065			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz) <td>3452.5</td> <td>3500</td> <td>3547.5</td> <td></td> <td></td> <td colspan="2"></td>				3452.5	3500	3547.5				
5	QPSK	1	0	24.50	24.54	24.49	25.5	0		
5	QPSK	1	12	24.44	24.54	24.47				
5	QPSK	1	24	24.50	24.52	24.39				
5	QPSK	12	0	23.44	23.46	23.44	24.5	1		
5	QPSK	12	7	23.45	23.45	23.46				
5	QPSK	12	13	23.46	23.45	23.38				
5	QPSK	25	0	23.43	23.49	23.50	24.5	1		
5	16QAM	1	0	23.53	23.51	23.42				
5	16QAM	1	12	23.54	23.48	23.37				
5	16QAM	1	24	23.44	23.59	23.38	23.5	2		
5	16QAM	12	0	22.45	22.48	22.44				
5	16QAM	12	7	22.45	22.45	22.48				
5	16QAM	12	13	22.47	22.50	22.42	23.5	2		
5	16QAM	25	0	22.36	22.51	22.44				
5	64QAM	1	0	22.48	22.49	22.53				
5	64QAM	1	12	22.42	22.53	22.47	23.5	2		
5	64QAM	1	24	22.45	22.49	22.42				
5	64QAM	12	0	21.50	21.57	21.45				
5	64QAM	12	7	21.52	21.54	21.57	22.5	3		
5	64QAM	12	13	21.48	21.54	21.30				
5	64QAM	25	0	21.54	21.45	21.45				
5	256QAM	1	0	19.47	19.44	19.36	20.5	5		
5	256QAM	1	12	19.52	19.55	19.51				
5	256QAM	1	24	19.52	19.59	19.40				
5	256QAM	12	0	19.51	19.53	19.44	20.5	5		
5	256QAM	12	7	19.40	19.42	19.59				
5	256QAM	12	13	19.42	19.46	19.46				
5	256QAM	25	0	19.55	19.45	19.54				

Band 42 Part 27Q Ant 7 DSI 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	20.79	20.81	20.75	22	0	
20	QPSK	1	49	20.70	20.78	20.68			
20	QPSK	1	99	20.74	20.69	20.68	22	0	
20	QPSK	50	0	20.66	20.78	20.84			
20	QPSK	50	24	20.71	20.72	20.62	22	0	
20	QPSK	50	50	20.68	20.75	20.65			
20	QPSK	100	0	20.75	20.75	20.72	22	0	
20	16QAM	1	0	20.65	20.69	20.73			
20	16QAM	1	49	20.66	20.75	20.56	22	0	
20	16QAM	1	99	20.61	20.59	20.66			
20	16QAM	50	0	20.62	20.69	20.52	22	0	
20	16QAM	50	24	20.68	20.59	20.57			
20	16QAM	50	50	20.66	20.72	20.62	22	0	
20	16QAM	100	0	20.66	20.66	20.65			
20	64QAM	1	0	20.74	20.70	20.67	22	0	
20	64QAM	1	49	20.64	20.73	20.56			
20	64QAM	1	99	20.66	20.63	20.58	21	1	
20	64QAM	50	0	19.73	19.78	19.72			
20	64QAM	50	24	19.65	19.76	19.71	21	1	
20	64QAM	50	50	19.71	19.74	19.74			
20	64QAM	100	0	19.63	19.77	19.66	19	3	
20	256QAM	1	0	17.83	17.79	17.69			
20	256QAM	1	49	17.69	17.73	17.62	19	3	
20	256QAM	1	99	17.76	17.71	17.62			
20	256QAM	50	0	17.70	17.76	17.65	19	3	
20	256QAM	50	24	17.69	17.68	17.58			
20	256QAM	50	50	17.71	17.80	17.63	19	3	
20	256QAM	100	0	17.72	17.71	17.75			
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3421.5	3500	3542.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	20.69	20.75	20.61			
15	QPSK	1	37	20.57	20.66	20.65	22	0	
15	QPSK	1	74	20.65	20.62	20.56			
15	QPSK	36	0	20.62	20.67	20.55	22	0	
15	QPSK	36	20	20.63	20.64	20.51			
15	QPSK	36	39	20.66	20.71	20.58	22	0	
15	QPSK	75	0	20.73	20.65	20.64			
15	16QAM	1	0	20.62	20.56	20.69	22	0	
15	16QAM	1	37	20.60	20.66	20.45			
15	16QAM	1	74	20.48	20.48	20.63	22	0	
15	16QAM	36	0	20.54	20.57	20.45			
15	16QAM	36	20	20.65	20.45	20.50	22	0	
15	16QAM	36	39	20.54	20.58	20.49			
15	16QAM	75	0	20.66	20.56	20.60	22	0	
15	64QAM	1	0	20.65	20.57	20.56			
15	64QAM	1	37	20.52	20.69	20.51	22	0	
15	64QAM	1	74	20.58	20.60	20.53			
15	64QAM	36	0	19.70	19.72	19.59	21	1	
15	64QAM	36	20	19.60	19.74	19.65			
15	64QAM	36	39	19.65	19.65	19.71	19	3	
15	64QAM	75	0	19.56	19.64	19.61			
15	256QAM	1	0	17.70	17.68	17.55	19	3	
15	256QAM	1	37	17.66	17.66	17.58			
15	256QAM	1	74	17.64	17.61	17.59	19	3	
15	256QAM	36	0	17.59	17.65	17.54			
15	256QAM	36	20	17.57	17.62	17.49	19	3	
15	256QAM	36	39	17.69	17.73	17.56			
15	256QAM	75	0	17.64	17.64	17.67	Tune-up limit (dBm)	MPR (dB)	
Channel				42140	42590	43040			
Frequency (MHz)				3455	3500	3545	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	20.69	20.69	20.67			
10	QPSK	1	25	20.66	20.72	20.65	22	0	
10	QPSK	1	49	20.63	20.66	20.57			
10	QPSK	25	0	20.58	20.72	20.54	22	0	
10	QPSK	25	12	20.57	20.68	20.58			
10	QPSK	25	25	20.55	20.70	20.57	22	0	
10	QPSK	50	0	20.72	20.66	20.67			
10	16QAM	1	0	20.61	20.57	20.70	22	0	
10	16QAM	1	25	20.62	20.70	20.51			
10	16QAM	1	49	20.55	20.47	20.64	22	0	
10	16QAM	25	0	20.51	20.58	20.49			
10	16QAM	25	12	20.57	20.56	20.49	22	0	
10	16QAM	25	25	20.63	20.64	20.56			
10	16QAM	50	0	20.60	20.55	20.54	22	0	
10	16QAM	1	0	20.61	20.56	20.59			
10	64QAM	1	25	20.58	20.63	20.54	21	1	
10	64QAM	1	49	20.60	20.53	20.45			
10	64QAM	25	0	19.69	19.69	19.64	19	3	
10	64QAM	25	12	19.59	19.68	19.63			
10	64QAM	25	25	19.69	19.71	19.69	19	3	
10	64QAM	50	0	19.62	19.68	19.63			
10	256QAM	1	0	17.72	17.71	17.59	19	3	
10	256QAM	1	25	17.58	17.69	17.53			
10	256QAM	1	49	17.70	17.59	17.48	19	3	
10	256QAM	25	0	17.61	17.73	17.54			
10	256QAM	25	12	17.59	17.63	17.50	19	3	
10	256QAM	25	25	17.57	17.78	17.53			
10	256QAM	50	0	17.62	17.57	17.64	Tune-up limit (dBm)	MPR (dB)	
Channel				42115	42590	43065			
Frequency (MHz)				3373	3500	3547.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	20.73	20.67	20.71			
5	QPSK	1	12	20.64	20.68	20.65	22	0	
5	QPSK	1	24	20.71	20.59	20.56			
5	QPSK	12	0	20.58	20.65	20.54	22	0	
5	QPSK	12	7	20.67	20.70	20.52			
5	QPSK	12	13	20.54	20.70	20.52	22	0	
5	QPSK	25	0	20.66	20.72	20.66			
5	16QAM	1	0	20.55	20.63	20.71	22	0	
5	16QAM	1	12	20.52	20.63	20.43			
5	16QAM	1	24	20.58	20.50	20.63	22	0	
5	16QAM	12	0	20.52	20.59	20.48			
5	16QAM	12	7	20.57	20.51	20.53	22	0	
5	16QAM	12	13	20.62	20.70	20.55			
5	16QAM	25	0	20.64	20.59	20.59	22	0	
5	64QAM	1	0	20.69	20.66	20.60			
5	64QAM	1	12	20.52	20.71	20.50	21	1	
5	64QAM	1	24	20.61	20.56	20.48			
5	64QAM	12	0	19.66	19.76	19.63	19	3	
5	64QAM	12	7	19.63	19.71	19.62			
5	64QAM	12	13	19.59	19.64	19.69	19	3	
5	64QAM	25	0	19.53	19.66	19.54			
5	256QAM	1	0	17.61	17.66	17.57	19	3	
5	256QAM	1	12	17.58	17.67	17.57			
5	256QAM	1	24	17.71	17.62	17.60	19	3	
5	256QAM	12	0	17.64	17.70	17.63			
5	256QAM	12	7	17.64	17.58	17.45	19	3	
5	256QAM	12	13	17.64	17.76	17.52			
5	256QAM	25	0	17.70	17.67	17.61	Tune-up limit (dBm)	MPR (dB)	

Band 48 Ant 7 DSI 3			
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Reduced Power Mode for DSI4_Main PA

GSM850 Ant 1 DSI 4	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	824.2	836.4
Frequency (MHz)	124.2	124.2	124.2	124.2	124.2	124.2	124.2	124.2
GSM 1 Tx slot	32.24	32.26	32.24	33.50	23.24	23.26	23.24	24.50
GPRS 1 Tx slot	31.43	31.53	31.51	32.50	25.43	25.53	25.51	26.50
GPRS 2 Tx slots	29.67	29.75	29.77	31.00	25.41	25.49	25.51	26.74
GPRS 3 Tx slots	29.63	29.87	29.73	30.00	25.63	25.87	25.73	27.00
GPRS 4 Tx slots	26.87	26.99	26.94	28.00	17.87	17.99	17.94	19.00
EDGE 1 Tx slot	23.95	23.99	23.90	25.00	17.95	17.99	17.90	19.00
EDGE 2 Tx slots	22.09	22.15	22.13	23.20	17.83	17.89	17.87	18.94
EDGE 3 Tx slots	20.83	20.98	20.94	22.00	17.83	17.98	17.94	19.00
EDGE 4 Tx slots								

GSM1900 Ant 1 DSI 4	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1860	1869.8	1850.2	1850.2	1860	1869.8	1850.2
Frequency (MHz)	28.16	29.45	29.43	30.50	20.16	20.45	20.43	21.50
GSM 1 Tx slot	29.31	29.38	29.36	30.50	20.31	20.38	20.36	21.50
GPRS 1 Tx slot	26.90	26.97	26.96	28.00	20.90	20.97	20.96	22.00
GPRS 2 Tx slots	24.90	24.95	24.99	26.20	20.94	20.99	20.93	21.94
GPRS 3 Tx slots	23.55	23.62	23.54	25.00	20.55	20.62	20.54	22.00
GPRS 4 Tx slots	25.84	25.90	25.81	27.00	18.84	18.90	18.81	18.00
EDGE 1 Tx slot	22.85	22.86	22.80	24.00	16.85	16.86	16.80	16.00
EDGE 2 Tx slots	21.02	21.08	21.01	22.20	16.76	16.82	16.75	17.94
EDGE 3 Tx slots	19.82	19.87	19.82	21.00	16.82	16.87	16.82	18.00
EDGE 4 Tx slots								

Band	WCDMA 3 Ant 1 DSI 4			Time-up Limit (dBm)	WCDMA 3 Ant 1 DSI 4			Time-up Limit (dBm)	WCDMA 3 Ant 1 DSI 4			Time-up Limit (dBm)	
	TX Channel	9262	9400		9538	1312	1413		1513	4132	4182		4233
Frequency (MHz)	Rx Channel	9662	9800	9938	1537	1638	1738	4357	4407	4458	4558		
SCPP Rel 99	AMR 12.2Kbps	18.53	19.00	18.83	20.00	18.53	18.90	18.83	20.00	24.35	24.45	25.50	
SCPP Rel 99	RMSC 12.2Kbps	18.86	19.01	18.97	20.00	18.98	18.97	18.93	20.00	24.48	24.50	25.50	
SCPP Rel 6	HSDPA Subtest-1	17.81	18.00	17.95	19.00	17.96	17.99	17.98	19.00	23.52	23.54	23.46	24.50
SCPP Rel 6	HSDPA Subtest-2	17.91	18.04	17.97	19.00	17.91	18.02	17.95	19.00	23.50	23.47	23.43	24.50
SCPP Rel 6	HSDPA Subtest-3	17.36	17.47	17.42	18.50	17.51	17.53	17.42	18.50	23.94	23.91	23.80	24.00
SCPP Rel 6	HSDPA Subtest-4	17.40	17.54	17.42	18.50	17.47	17.49	17.38	18.50	23.01	22.98	22.91	24.00
SCPP Rel 8	DC-HSDPA Subtest-1	17.84	18.06	17.92	19.00	17.96	18.01	17.96	19.00	23.46	23.56	23.41	24.50
SCPP Rel 8	DC-HSDPA Subtest-2	17.84	17.97	17.94	19.00	17.99	18.02	17.94	19.00	23.47	23.53	23.46	24.50
SCPP Rel 8	DC-HSDPA Subtest-3	17.33	17.51	17.42	18.50	17.50	17.46	17.40	18.50	23.01	23.04	22.94	24.00
SCPP Rel 8	DC-HSDPA Subtest-4	17.36	17.52	17.52	18.50	17.44	17.44	17.45	18.50	23.01	23.01	22.97	24.00
SCPP Rel 6	HSPA Subtest-1	17.85	17.95	18.00	19.00	18.00	17.96	17.90	19.00	23.49	23.52	23.42	24.50
SCPP Rel 6	HSPA Subtest-2	15.83	16.00	15.96	17.00	15.98	15.95	15.92	17.00	21.46	21.50	21.41	22.50
SCPP Rel 6	HSPA Subtest-3	16.83	17.02	16.92	18.00	16.98	16.98	16.93	18.00	22.51	22.48	22.38	23.50
SCPP Rel 6	HSPA Subtest-4	15.90	16.01	16.03	17.00	15.98	16.01	15.95	17.00	21.46	21.51	21.45	22.50
SCPP Rel 6	HSPA Subtest-5	17.87	18.01	18.00	19.00	17.90	17.96	17.88	19.00	23.45	23.49	23.49	24.50
SCPP Rel 7	HSPA+ (TDD-M) Subtest-1	15.33	15.48	15.52	16.50	15.41	15.44	15.46	16.50	20.96	21.01	20.97	22.00

Band 2 Ant 1 DSI 4										
RF (MHz)	Modulation	RB Size	RB Count	Power Low (dBm)	Power High (dBm)	Power Peak (dBm)	Turn-up (dB)	MPR (dB)		
Channel										
Frequency (MHz)	1	0	18.96	19.03	19.10	19.15				
20	QPSK	1	0	18.96	19.03	19.10				
20	QPSK	1	49	18.83	19.01	18.85				
20	QPSK	1	99	18.83	19.01	18.85				
20	QPSK	50	0	19.01	19.01	18.94				
20	QPSK	50	24	19.83	19.99	19.88			20	0
20	QPSK	50	49	19.83	19.99	19.88				
20	QPSK	100	0	19.02	19.09	18.93				
20	QPSK	100	1	19.83	19.97	18.89			20	0
20	QPSK	100	24	19.83	19.97	18.89				
20	QPSK	100	49	19.84	19.85	18.70				
20	QPSK	50	0	19.87	19.87	18.77				
20	QPSK	50	24	19.87	19.87	18.77				
20	QPSK	50	50	19.81	19.80	18.72			20	0
20	QPSK	100	0	19.88	19.85	18.77				
20	QPSK	100	24	19.88	19.85	18.77				
20	QPSK	100	49	19.78	19.84	18.77			20	0
20	QPSK	100	99	19.88	19.80	18.67				
20	QPSK	50	50	19.82	19.82	18.72				
20	QPSK	50	99	19.82	19.82	18.72				
20	256QAM	1	0	17.93	18.04	17.89				
20	256QAM	1	49	17.93	18.04	17.89				
20	256QAM	1	99	17.88	17.87	17.82				
20	256QAM	50	0	17.88	18.07	17.82				
20	256QAM	50	24	18.00	18.00	17.89				
20	256QAM	50	49	17.85	17.88	17.82			19	
20	256QAM	100	0	17.85	18.04	17.88				
Channel										
Frequency (MHz)	1	0	18.97	18.98	19.00	19.02	Turn-up (dB)	MPR (dB)		
15	QPSK	1	0	19.03	19.02	18.98				
15	QPSK	1	49	19.73	19.90	19.70				
15	QPSK	1	99	19.73	19.90	19.70				
15	QPSK	50	0	19.79	19.97	19.71				
15	QPSK	50	24	19.80	19.80	18.71				
15	QPSK	50	49	19.80	19.80	18.71			20	0
15	QPSK	100	0	19.80	19.82	18.70				
15	QPSK	100	24	19.81	19.85	18.70				
15	QPSK	100	49	19.81	19.85	18.70				
15	QPSK	50	50	19.84	19.84	18.65				
15	QPSK	100	99	19.72	19.81	18.52				
15	QPSK	1	99	19.72	19.81	18.52				
15	QPSK	1	74	19.70	19.71	18.60				
15	QPSK	50	24	19.83	19.84	18.62			20	0
15	QPSK	50	49	19.83	19.84	18.62				
15	QPSK	50	99	19.83	19.84	18.62				
15	QPSK	100	0	19.78	19.91	18.63				
15	QPSK	100	24	19.78	19.91	18.63				
15	QPSK	100	49	19.78	19.91	18.63				
15	QPSK	100	99	19.78	19.91	18.63				
15	QPSK	50	50	19.82	19.82	18.60				
15	QPSK	50	99							
Channel										
Frequency (MHz)	1	0	18.95	18.96	19.00	19.05	Turn-up (dB)	MPR (dB)		
5	QPSK	1	0	18.95	18.95	18.95				
5	QPSK	1	12	18.81	18.88	18.74				
5	QPSK	1	24	18.81	18.87	18.74				
5	QPSK	1	36	18.72	18.88	18.68				
5	QPSK	12	7	19.78	19.86	18.81				
5	QPSK	12	14	19.73	19.80	18.75				
5	QPSK	12	21	19.62	19.68	18.67				
5	QPSK	12	28	19.70	19.80	18.67				
5	QPSK	12	35	19.74	19.88	18.63				
5	QPSK	12	42	19.76	19.87	18.61				
5	QPSK	12	49	19.75	19.74	18.60				
5	QPSK	25	0	19.80	19.73	18.71				
5	QPSK	25	7	19.78	19.78	18.71			19	1
5	QPSK	25	14	19.75	19.75	18.68				
5	QPSK	25	21	19.76	19.76	18.71				
5	QPSK	25	28	19.75	19.75	18.68				
5	QPSK	25	35	19.74	19.74	18.67				
5	QPSK	25	42	19.74	19.68	18.64				
5	QPSK	25	49	19.73	19.70	18.63				
5	QPSK	12	7	19.68	19.83	18.67				
5	QPSK	12	14	19.68	19.83	18.67				
5	QPSK	12	21	19.71	19.79	18.67				
5	QPSK	12	28	19.73	19.79	18.67				
5	QPSK	12	35	19.74	19.78	18.63				
5	QPSK	12	42	19.75	19.78	18.63				
5	QPSK	12	49	19.73	19.73	18.63				
5	QPSK	25	0	19.79	19.82	18.75				
5	QPSK	25	7	19.78	19.78	18.68				
5	QPSK	25	14	19.77	19.77	18.68				
5	QPSK	25	21	19.76	19.76	18.68				
5	QPSK	25	28	19.75	19.75	18.68				
5	QPSK	25	35	19.74	19.74	18.68				
5	QPSK	25	42	19.73	19.73	18.68				
5	QPSK	25	49	19.72	19.72	18.68				
5	QPSK	12	7	19.77	19.77	18.68				
5	QPSK	12	14	19.76	19.76	18.68				
5	QPSK	12	21	19.75	19.75	18.68				
5	QPSK	12	28	19.74	19.74	18.68				
5	QPSK	12	35	19.73	19.73	18.68				
5	QPSK	12	42	19.72	19.72	18.68				
5	QPSK	12	49	19.71	19.71	18.68				
5	QPSK	25	0	19.76	19.76	18.68				
5	QPSK	25	7	19.75	19.75	18.68				
5	QPSK	25	14	19.74	19.74	18.68				
5	QPSK	25	21	19.73	19.73	18.68				
5	QPSK	25	28	19.72	19.72	18.68				
5	QPSK	25	35	19.71	19.71	18.68				
5	QPSK	25	42	19.70	19.70	18.68				
5	QPSK	25	49	19.69	19.69	18.68				
5	QPSK	12	7	19.77	19.77	18.68				
5	QPSK	12	14	19.76	19.76	18.68				
5	QPSK	12	21	19.75	19.75	18.68				
5	QPSK	12	28	19.74	19.74	18.68				
5	QPSK	12	35	19.73	19.73	18.68				
5	QPSK	12	42	19.72	19.72	18.68				
5	QPSK	12	49	19.71	19.71	18.68				
5	QPSK	25	0	19.76	19.76	18.68				
5	QPSK	25	7	19.75	19.75	18.68				
5	QPSK	25	14	19.74	19.74	18.68				
5	QPSK	25	21	19.73	19.73	18.68				
5	QPSK	25	28	19.72	19.72	18.68				
5	QPSK	25	35	19.71	19.71	18.68				
5	QPSK	25	42	19.70	19.70	18.68				
5	QPSK	25	49	19.69	19.69	18.68				
5	QPSK	12	7	19.77	19.77	18.68				
5	QPSK	12	14	19.76	19.76	18.68				
5	QPSK	12	21	19.75	19.75	18.68				
5	QPSK	12	28	19.74	19.74	18.68				
5	QPSK	12	35	19.73	19.73	18.68				
5	QPSK	12	42	19.72	19.72	18.68				
5	QPSK	12	49	19.71	19.71	18.68				
5	QPSK	25	0	19.76	19.76	18.68				
5	QPSK	25	7	19.75	19.75	18.68				
5	QPSK	25	14	19.74	19.74	18.68				
5	QPSK	25	21	19.73	19.73	18.68				
5	QPSK	25	28	19.72	19.72	18.68				
5	QPSK	25	35	19.71	19.71	18.68				
5	QPSK	25	42	19.70	19.70	18.68				
5	QPSK	25	49	19.69	19.69	18.68				
5	QPSK	12	7	19.77	19.77	18.68				
5	QPSK	12	14	19.76	19.76	18.68				
5	QPSK	12	21	19.75	19.75	18.68				
5	QPSK	12	28	19.74	19.74	18.68				
5	QPSK	12	35	19.73	19.73	18.68				
5	QPSK	12	42	19.72	19.72	18.68				
5	QPSK	12	49	19.71	19.71	18.68				
5	QPSK	25	0	19.76	19.76	18.68				
5	QPSK	25	7	19.75	19.75	18.68				
5	QPSK	25	14	19.74	19.74	18.68				
5	QPSK	25	21	19.73	19.73	18.68				
5	QPSK	25	28	19.72	19.72	18.68				
5	QPSK	25	35	19.71	19.71	18.68				
5	QPSK	25	42	19.70	19.70	18.68				
5	QPSK	25	49	19.69	19.69	18.68				
5	QPSK	12	7	19.77	19.77	18.68				
5	QPSK	12	14	19.76	19.76	18.68				
5	QPSK	12	21	19.75	19.75	18.68				
5	QPSK	12	28	19.74	19.74	18.68				
5	QPSK	12	35	19.73	19.73	18.68				
5	QPSK	12	42	19.72	19.72	18.68				
5	QPSK	12	49	19.71	19.71	18.68				
5	QPSK	25	0	19.76	19.76	18.68				
5	QPSK	25	7	19.75	19.75	18.68				
5	QPSK	25	14	19.74	19.74	18.68				
5	QPSK	25	21	19.73	19.73	18.68		</		

Band 4 Ant 1 DSI 4												
RF (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch (dBm)	Power High Ch (dBm)	Power High Pch (dBm)	Turn-on time (ms)	MPE (dB)				
Channel 1												
Frequency (MHz)												
20	QPSK	1	0	19.30	19.30	19.30						
20	QPSK	49	19.18	19.32	19.32		20.5	0				
20	QPSK	97	19.18	19.32	19.32							
20	QPSK	50	9	19.19	19.33	19.33						
20	QPSK	50	24	19.23	19.27	19.30						
20	QPSK	50	39	19.28	19.28	19.30						
20	QPSK	100	9	19.16	19.31	19.34						
20	QPSK	1	0	19.24	19.28	19.29						
20	QPSK	100	39	19.25	19.25	19.28						
20	QPSK	100	9	19.26	19.30	19.32	20.5	0				
20	QPSK	100	24	19.28	19.28	19.30						
20	QPSK	100	39	19.28	19.28	19.30						
20	QPSK	100	54	19.16	19.21	19.25						
20	QPSK	100	69	19.22	19.22	19.35						
20	QPSK	100	84	19.22	19.22	19.35						
20	QPSK	1	0	19.26	19.26	19.34						
20	QPSK	1	49	19.26	19.26	19.34						
20	QPSK	1	99	19.11	19.32	19.34						
20	QPSK	1	149	19.26	19.26	19.34						
20	QPSK	50	24	19.20	19.19	19.25						
20	QPSK	50	39	19.16	19.14	19.16						
20	QPSK	50	54	19.22	19.22	19.30						
20	QPSK	50	69	19.22	19.22	19.30						
20	QPSK	50	84	19.22	19.22	19.30						
20	QPSK	50	99	19.16	19.17	19.22						
20	QPSK	50	114	19.16	19.17	19.22						
20	QPSK	50	129	19.16	19.17	19.22						
20	QPSK	50	144	19.16	19.17	19.22						
20	QPSK	50	159	19.16	19.17	19.22						
20	QPSK	50	174	19.16	19.17	19.22						
20	QPSK	50	189	19.16	19.17	19.22						
20	QPSK	50	204	19.16	19.17	19.22						
20	QPSK	50	219	19.16	19.17	19.22						
20	QPSK	50	234	19.16	19.17	19.22						
20	QPSK	50	249	19.16	19.17	19.22						
20	QPSK	50	264	19.16	19.17	19.22						
20	QPSK	50	279	19.16	19.17	19.22						
20	QPSK	50	294	19.16	19.17	19.22						
20	QPSK	50	309	19.16	19.17	19.22						
20	QPSK	50	324	19.16	19.17	19.22						
20	QPSK	50	339	19.16	19.17	19.22						
20	QPSK	50	354	19.16	19.17	19.22						
20	QPSK	50	369	19.16	19.17	19.22						
20	QPSK	50	384	19.16	19.17	19.22						
20	QPSK	50	399	19.16	19.17	19.22						
20	QPSK	50	414	19.16	19.17	19.22						
20	QPSK	50	429	19.16	19.17	19.22						
20	QPSK	50	444	19.16	19.17	19.22						
20	QPSK	50	459	19.16	19.17	19.22						
20	QPSK	50	474	19.16	19.17	19.22						
20	QPSK	50	489	19.16	19.17	19.22						
20	QPSK	50	504	19.16	19.17	19.22						
20	QPSK	50	519	19.16	19.17	19.22						
20	QPSK	50	534	19.16	19.17	19.22						
20	QPSK	50	549	19.16	19.17	19.22						
20	QPSK	50	564	19.16	19.17	19.22						
20	QPSK	50	579	19.16	19.17	19.22						
20	QPSK	50	594	19.16	19.17	19.22						
20	QPSK	50	609	19.16	19.17	19.22						
20	QPSK	50	624	19.16	19.17	19.22						
20	QPSK	50	639	19.16	19.17	19.22						
20	QPSK	50	654	19.16	19.17	19.22						
20	QPSK	50	669	19.16	19.17	19.22						
20	QPSK	50	684	19.16	19.17	19.22						
20	QPSK	50	699	19.16	19.17	19.22						
20	QPSK	50	714	19.16	19.17	19.22						
20	QPSK	50	729	19.16	19.17	19.22						
20	QPSK	50	744	19.16	19.17	19.22						
20	QPSK	50	759	19.16	19.17	19.22						
20	QPSK	50	774	19.16	19.17	19.22						
20	QPSK	50	789	19.16	19.17	19.22						
20	QPSK	50	804	19.16	19.17	19.22						
20	QPSK	50	819	19.16	19.17	19.22						
20	QPSK	50	834	19.16	19.17	19.22						
20	QPSK	50	849	19.16	19.17	19.22						
20	QPSK	50	864	19.16	19.17	19.22						
20	QPSK	50	879	19.16	19.17	19.22						
20	QPSK	50	894	19.16	19.17	19.22						
20	QPSK	50	909	19.16	19.17	19.22						
20	QPSK	50	924	19.16	19.17	19.22						
20	QPSK	50	939	19.16	19.17	19.22						
20	QPSK	50	954	19.16	19.17	19.22						
20	QPSK	50	969	19.16	19.17	19.22						
20	QPSK	50	984	19.16	19.17	19.22						
20	QPSK	50	999	19.16	19.17	19.22						
20	QPSK	50	1014	19.16	19.17	19.22						
20	QPSK	50	1029	19.16	19.17	19.22						
20	QPSK	50	1044	19.16	19.17	19.22						
20	QPSK	50	1059	19.16	19.17	19.22						
20	QPSK	50	1074	19.16	19.17	19.22						
20	QPSK	50	1089	19.16	19.17	19.22						
20	QPSK	50	1104	19.16	19.17	19.22						
20	QPSK	50	1119	19.16	19.17	19.22						
20	QPSK	50	1134	19.16	19.17	19.22						
20	QPSK	50	1149	19.16	19.17	19.22						
20	QPSK	50	1164	19.16	19.17	19.22						
20	QPSK	50	1179	19.16	19.17	19.22						
20	QPSK	50	1194	19.16	19.17	19.22						
20	QPSK	50	1209	19.16	19.17	19.22						
20	QPSK	50	1224	19.16	19.17	19.22						
20	QPSK	50	1239	19.16	19.17	19.22						
20	QPSK	50	1254	19.16	19.17	19.22						
20	QPSK	50	1269	19.16	19.17	19.22						
20	QPSK	50	1284	19.16	19.17	19.22						
20	QPSK	50	1299	19.16	19.17	19.22						
20	QPSK	50	1314	19.16	19.17	19.22						
20	QPSK	50	1329	19.16	19.17	19.22						
20	QPSK	50	1344	19.16	19.17	19.22						
20	QPSK	50	1359	19.16	19.17	19.22						
20	QPSK	50	1374	19.16	19.17	19.22						
20	QPSK	50	1389	19.16	19.17	19.22						
20	QPSK	50	1404	19.16	19.17	19.22						
20	QPSK	50	1419	19.16	19.17	19.22						
20	QPSK	50	1434	19.16	19.17	19.22						
20	QPSK	50	1449	19.16	19.17	19.22						
20	QPSK	50	1464	19.16	19.17	19.22						
20	QPSK	50	1479	19.16	19.17	19.22						
20	QPSK	50	1494	19.16	19.17	19.22						
20	QPSK	50	1509	19.16	19.17	19.22						
20	QPSK	50	1524	19.16	19.17	19.22						
20	QPSK	50	1539	19.16	19.17	19.22						
20	QPSK	50	1554	19.16	19.17	19.22						
20	QPSK	50	1569	19.16	19.17	19.22						
20	QPSK	50	1584	19.16	19.17	19.22						
20	QPSK	50	1599	19.16	19.17	19.22						
20	QPSK	50	1614	19.16	19.17	19.22						
20	QPSK	50	1629	19.16	19.17	19.22						
20	QPSK	50	1644	19.16	19.17	19.22						
20	QPSK	50	1659	19.16	19.17	19.22						
20	QPSK	50	1674	19.16	19.17	19.22						
20	QPSK	50	1689	19.16	19.17	19.22						
20	QPSK	50	1704	19.16	19.17	19.22						
20	QPSK	50	1719	19.16	19.17	19.22						
20	QPSK	50	1734	19.16	19.17	19.22						
20	QPSK	50	1749	19.16	19.17	19.22						
20	QPSK	50	1764	19.16	19.17	19.22						
20	QPSK	50	1779	19.16	19.17	19.22						
20	QPSK	50	1794	19.16	19.17	19.22						
20	QPSK	50	1809	19.16	19.17	19.22						
20	QPSK	50	1824	19.16	19.17	19.22						
20	QPSK	50	1839	19.16	19.17	19.22						
20	QPSK	50	1854	19.16	19.17	19.22						
20	QPSK	50	1869	19.16	19.17	19.22						
20	QPSK	50	1884	19.16	19.17	19.22						
20	QPSK	50	1899	19.16	19.17	19.22						
20	QPSK	50	1914	19.16	19.17	19.22						
20	QPSK	50	1929	19.16	19.17	19.22						
20	QPSK	50	1944	19.16	19.17	19.22						
20	QPSK	50	1959	19.16	19.17	19.22						
20	QPSK	50	1974	19.16	19.17	19.22						
20	QPSK	50	1989	19.16	19.17	19.22						
20	QPSK	50	2004	19.16	19.17	19.22						
20	QPSK	50	2019	19.16	19.17	19.22						
20	QPSK	50	2034	19.16	19.17	19.22						
20	QPSK	50	2049	19.16	19.17	19.22						
20	QPSK	50	2064	19.16	19.17	19.22						
20	QPSK	50	2079	19.16	19.17	19.22						
20	QPSK	50	2094	19.16	19.17	19.22						
20	QPSK	50	2109	19.16	19.17	19.22						
20	QPSK	50	2124	19.16	19.17	19.22						
20	QPSK	50	2139	19.16	19.17	19.22						
20	QPSK	50	2154	19.16	19.17	19.22						
20	QPSK	50	2169	19.16	19.17	19.22						
20	QPSK	50	2184	19.16	19.17	19.22						
20	QPSK	50	2199	19.16	19.17	19.22						
20	QPSK	50	2214	19.16	19.17	19.22						
20	QPSK	50	2229	19.16	19.17	19.22						
20	QPSK	50	2244	19.16	19.17	19.22						
20	QPSK	50	2259	19.16	19.17	19.22						
20	Q											

[illegible]

Band 7 Ant 1 DSI 4														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Med Ch / Freq.	Power High Ch / Freq.	Turn-up Int. (dB)	MPE (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	18.88	18.93	18.94	20	0						
20	QPSK	1	40	18.81	18.83	18.74								
20	QPSK	1	80	18.78	18.87	18.79	20	0						
20	QPSK	50	0	18.78	18.88	18.78								
20	QPSK	50	24	18.77	18.85	18.80	20	0						
20	QPSK	50	50	18.80	18.86	18.82								
20	QPSK	100	0	18.86	18.84	18.89	20	0						
20	HQAM	1	0	18.83	18.80	18.77								
20	HQAM	1	40	18.70	18.81	18.70	20	0						
20	HQAM	1	80	18.67	18.74	18.76								
20	HQAM	50	0	18.66	18.80	18.69	20	0						
20	HQAM	50	24	18.69	18.72	18.75								
20	HQAM	50	50	18.79	18.72	18.75	20	0						
20	HQAM	100	0	18.70	18.72	18.75								
20	HQAM	1	0	18.79	18.83	18.77	20	0						
20	HQAM	1	40	18.75	18.71	18.64								
20	HQAM	1	80	18.67	18.73	18.68	20	0						
20	HQAM	50	0	18.64	18.65	18.65								
20	HQAM	50	24	18.72	18.79	18.76	20	0						
20	HQAM	50	50	18.75	18.78	18.78								
20	HQAM	100	0	18.80	18.75	18.87	19.5	0.5						
20	25QAM	1	0	18.38	18.40	18.31								
20	25QAM	1	40	18.34	18.31	18.17	19.5	0.5						
20	25QAM	1	80	18.21	18.36	18.27								
20	25QAM	50	0	18.27	18.28	18.28	19.5	0.5						
20	25QAM	50	24	18.28	18.38	18.23								
20	25QAM	50	50	18.26	18.32	18.33	19.5	0.5						
Channel														
Frequency (MHz)														
15	QPSK	1	0	18.84	18.90	18.71			20	0				
15	QPSK	1	37	18.74	18.76	18.68								
15	QPSK	1	74	18.70	18.78	18.66	20	0						
15	QPSK	36	0	18.70	18.78	18.66								
15	QPSK	36	20	18.67	18.79	18.77	20	0						
15	QPSK	36	36	18.73	18.80	18.73								
15	QPSK	75	0	18.63	18.80	18.71	20	0						
15	HQAM	1	0	18.70	18.76	18.65								
15	HQAM	1	37	18.63	18.78	18.59	20	0						
15	HQAM	1	74	18.64	18.65	18.70								
15	HQAM	36	0	18.65	18.74	18.67	20	0						
15	HQAM	36	20	18.67	18.63	18.62								
15	HQAM	75	0	18.76	18.61	18.70	20	0						
15	HQAM	1	0	18.65	18.70	18.74								
15	HQAM	1	37	18.66	18.65	18.64	20	0						
15	HQAM	1	74	18.65	18.64	18.60								
15	HQAM	36	0	18.62	18.80	18.58	20	0						
15	HQAM	36	20	18.73	18.73	18.73								
15	HQAM	36	36	18.67	18.65	18.72	20	0						
15	HQAM	75	0	18.71	18.70	18.63								
15	25QAM	1	0	18.58	18.58	18.58	19.5	0.5						
15	25QAM	1	37	18.30	18.29	18.03								
15	25QAM	1	74	18.18	18.30	18.16	19.5	0.5						
15	25QAM	36	0	18.20	18.20	18.26								
15	25QAM	36	20	18.21	18.33	18.10	19.5	0.5						
15	25QAM	36	36	18.16	18.27	18.28								
15	25QAM	75	0	18.16	18.23	18.18	19.5	0.5						
Channel														
Frequency (MHz)														
10	QPSK	1	0	18.80	18.79	18.79	20	0						
10	QPSK	1	25	18.75	18.79	18.68								
10	QPSK	1	40	18.68	18.79	18.67	20	0						
10	QPSK	1	80	18.76	18.76	18.74								
10	QPSK	25	12	18.68	18.80	18.73	20	0						
10	QPSK	25	25	18.68	18.72	18.73								
10	HQAM	1	0	18.75	18.74	18.73	20	0						
10	HQAM	1	25	18.58	18.71	18.59								
10	HQAM	1	40	18.66	18.63	18.71	20	0						
10	HQAM	25	0	18.58	18.69	18.65								
10	HQAM	25	12	18.66	18.65	18.65	20	0						
10	HQAM	25	25	18.66	18.62	18.68								
10	HQAM	50	0	18.74	18.67	18.61	20	0						
10	HQAM	1	0	18.75	18.61	18.74								
10	HQAM	1	25	18.63	18.64	18.62	20	0						
10	HQAM	1	40	18.54	18.70	18.58								
10	HQAM	25	0	18.53	18.77	18.52	20	0						
10	HQAM	25	12	18.58	18.70	18.64								
10	HQAM	25	25	18.68	18.65	18.68	20	0						
10	HQAM	50	0	18.73	18.64	18.55								
10	25QAM	1	0	18.30	18.33	18.22	19.5	0.5						
10	25QAM	1	25	18.27	18.27	18.02								
10	25QAM	1	40	18.18	18.25	18.21	19.5	0.5						
10	25QAM	25	0	18.21	18.21	18.21								
10	25QAM	25	12	18.18	18.25	18.13	19.5	0.5						
10	25QAM	25	25	18.24	18.23	18.25								
10	25QAM	50	0	18.10	18.20	18.10	19.5	0.5						
Channel														
Frequency (MHz)														
5	QPSK	1	0	18.81	18.81	18.72	20	0						
5	QPSK	1	12	18.73	18.81	18.63								
5	QPSK	1	24	18.69	18.78	18.71	20	0						
5	QPSK	12	0	18.72	18.80	18.65								
5	QPSK	12	7	18.66	18.72	18.75	20	0						
5	QPSK	12	13	18.71	18.83	18.80								
5	HQAM	1	0	18.84	18.75	18.70	20	0						
5	HQAM	1	0	18.77	18.70	18.67								
5	HQAM	1	12	18.67	18.78	18.62	20	0						
5	HQAM	1	24	18.56	18.65	18.71								
5	HQAM	12	0	18.63	18.69	18.62	20	0						
5	HQAM	12	7	18.66	18.62	18.66								
5	HQAM	12	13	18.63	18.68	18.70	20	0						
5	HQAM	25	0	18.74	18.59	18.72								
5	HQAM	1	0	18.70	18.76	18.67	20	0						
5	HQAM	1	12	18.70	18.60	18.54								
5	HQAM	1	24	18.67	18.69	18.58	20	0						
5	HQAM	12	0	18.60	18.76	18.55								
5	HQAM	12	7	18.68	18.69	18.71	20	0						
5	HQAM	12	13	18.60	18.75	18.70								
5	HQAM	25	0	18.67	18.68	18.59	19.5	0.5						
5	25QAM	1	0	18.36	18.38	18.26	19.5	0.5						
5	25QAM	1	12	18.24	18.18	18.04								
5	25QAM	1	24	18.13	18.28	18.20	19.5	0.5						
5	25QAM	12	0	18.20	18.20	18.11								
5	25QAM	12	13	18.21	18.23	18.21	19.5	0.5						

Band 17 Ant 1 DSI 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up Int. (dB)	MPE (dB)	
Channel									
Frequency (MHz)				700	710	715			
10	QPSK	1	0	24.36	24.37	24.38			
10	QPSK	25	0	24.30	24.35	24.35	25.5	0	
10	QPSK	1	49	24.22	24.23	24.18			
10	QPSK	25	0	23.34	23.35	23.36			
10	QPSK	25	12	23.28	23.34	23.17	24.5	1	
10	QPSK	25	25	23.26	23.25	23.07			
10	QPSK	50	0	23.29	23.34	23.36			
10	QPSK	1	0	23.25	23.32	23.27			
10	HQAM	1	25	23.26	23.30	23.18	24.5	1	
10	HQAM	1	49	23.24	23.22	23.12			
10	HQAM	25	0	22.34	22.28	22.30			
10	HQAM	25	12	22.28	22.30	22.18	23.5	2	
10	HQAM	25	25	22.26	22.31	22.17			
10	HQAM	50	0	22.16	22.30	22.22			
10	HQAM	1	0	22.33	22.36	22.22			
10	HQAM	1	25	22.26	22.29	22.23	23.5	2	
10	HQAM	1	49	22.24	22.14	22.05			
10	HQAM	25	0	21.27	21.45	21.31			
10	HQAM	25	12	21.23	21.34	21.21	22.5	3	
10	HQAM	25	25	21.24	21.28	21.13			
10	HQAM	50	0	21.19	21.33	21.27			
10	HQAM	1	0	19.30	19.33	19.30			
10	25QAM	1	25	19.25	19.36	19.18	20.5	5	
10	25QAM	25	0	19.27	19.32	19.28			
10	25QAM	25	12	19.30	19.36	19.24	20.5	5	
10	25QAM	25	25	19.35	19.35	19.12			
10	25QAM	50	0	19.23	19.27	19.23			
Channel									
Frequency (MHz)				700.5	710.5	713.5	Turn-up Int. (dB)	MPE (dB)	
5	QPSK	1	0	24.30	24.23	24.20			
5	QPSK	1	12	24.26	24.29	24.18	25.5	0	
5	QPSK	1	24	24.20	24.21	24.08			
5	QPSK	12	0	23.20	23.33	23.20			
5	QPSK	12	7	23.23	23.24	23.05	24.5	1	
5	QPSK	12	13	23.18	23.19	22.84			
5	QPSK	25	0	23.25	23.25	23.07			
5	HQAM	1	0	23.21	23.26	23.18			
5	HQAM	1	12	23.20	23.17	23.10	24.5	1	
5	HQAM	1	24	23.14	23.20	23.04			
5	HQAM	12	0	22.24	22.24	22.11			
5	HQAM	12	7	22.19	22.17	22.10	23.5	2	
5	HQAM	12	13	22.24	22.21	22.11			
5	HQAM	25	0	22.09	22.38	22.11			
5	HQAM	1	0	22.21	22.28	22.12	23.5	2	
5	HQAM	1	12	22.24	22.21	22.15			
5	HQAM	1	24	22.15	22.10	21.95			
5	HQAM	12	0	21.24	21.36	21.20			
5	HQAM	12	7	21.16	21.32	21.16	22.5	3	
5	HQAM	12	13	21.10	21.14	21.03			
5	HQAM	25	0	21.09	21.25	21.17			
5	25QAM	1	0	19.30	19.36	19.30			
5	25QAM	1	12	19.23	19.28	19.05	20.5	5	
5	25QAM	1	24	19.21	19.18	18.96			
5	25QAM	12	0	19.16	19.16	19.12			
5	25QAM	12	7	19.19	19.34	19.19	20.5	5	
5	25QAM	12	13	19.32	19.29	18.94			
5	25QAM	25	0	19.17	19.21	19.17			

Band 26 Ant 1 DSI 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up Int. (dB)	MPE (dB)	
Channel									
Frequency (MHz)				8215	8685	2705			
15	QPSK	1	0	24.38	24.41	24.39			
15	QPSK	1	37	24.24	24.35	24.30	25.5	0	
15	QPSK	1	74	24.30	24.35	24.22			
15	QPSK	36	0	23.41	23.34	23.38			
15	QPSK	36	12	23.35	23.34	23.30	24.5	1	
15	QPSK	36	39	23.27	23.39	23.26			
15	QPSK	75	0	23.41	23.34	23.36			
15	HQAM	1	0	23.36	23.42	23.35			
15	HQAM	1	37	23.31	23.28	23.35	24.5	1	
15	HQAM	1	74	23.25	23.32	23.28			
15	HQAM	36	0	22.38	22.37	22.39			
15	HQAM	36	20	22.26	22.37	22.34	23.5	2	
15	HQAM	36	59	22.52	22.39	22.15			
15	HQAM	75	0	22.27	22.32	22.46			
15	HQAM	1	0	22.29	22.38	22.25	23.5	2	
15	HQAM	1	37	22.27	22.33	22.30			
15	HQAM	1	74	22.29	22.27	22.27			
15	HQAM	36	0	21.39	21.42	21.44			
15	HQAM	36	20	21.19	21.25	21.45	22.5	3	
15	HQAM	36	59	21.20	21.45	21.25			
15	HQAM	75	0	21.35	21.31	21.30			
15	25QAM	1	0	19.39	19.43	19.45			
15	25QAM	1	37	19.24	19.29	19.35	20.5	5	
15	25QAM	1	74	19.26	19.39	19.24			
15	25QAM	36	0	19.40	19.40	19.27			
15	25QAM	36	20	19.37	19.37	19.40	20.5	5	
15	25QAM	36	59	19.46	19.28	19.29			
15	25QAM	75	0	19.23	19.29	19.12			
Channel									
Frequency (MHz)				819	831.5	844	Turn-up Int. (dB)	MPE (dB)	
10	QPSK	1	0	24.24	24.30	24.14			
10	QPSK	1	25	24.12	24.24	24.36	25.5	0	
10	QPSK	1	49	24.23	24.29	24.17			
10	QPSK	25	0	23.31	23.42	23.22			
10	QPSK	25	12	23.17	23.23	23.31	24.5	1	
10	QPSK	25	25	23.14	23.29	23.13			
10	HQAM	1	0	23.35	23.22	23.29			
10	HQAM	1	25	23.26	23.38	23.31	24.5	1	
10	HQAM	1	49	23.24	23.23	23.27			
10	HQAM	1	74	23.27	23.28	23.25			
10	HQAM	25	0	22.32	22.33	22.36			
10	HQAM	25	12	22.18	22.29	22.30	23.5	2	
10	HQAM	25	25	22.26	22.29	22.25			
10	HQAM	50	0	22.18	22.20	22.28			
10	HQAM	1	0	22.35	22.33	22.14	23.5	2	
10	HQAM	1	25	22.32	22.35	22.35			
10	HQAM	1	49	22.23	22.10	22.25			
10	HQAM	25	0	21.30	21.40	21.34	22.5	3	
10	HQAM	25	12	21.15	21.15	21.16			
10	HQAM	25	25	21.15	21.43	21.25			
10	HQAM	50	0	21.22	21.20	21.16			
10	25QAM	1	0	19.23	19.36	19.37			
10	25QAM	1	25	19.20	19.20	19.25	20.5	5	
10	25QAM	1	49	19.18	19.35	19.10			
10	25QAM	36	0	19.36	19.31	19.25			
10	25QAM	36	12	19.25	19.29	19.36	20.5	5	
10	25QAM	36	25	19.32	19.15	19.22			
10	25QAM	50	0	19.29	19.20	19.12			
Channel									
Frequency (MHz)				816.5	831.5	846.5	Turn-up Int. (dB)	MPE (dB)	
5	QPSK	1	0	24.01	24.04	24.02			
5	QPSK	1	12	24.20	24.32	24.35	25.5	0	
5	QPSK	1	24	24.17	24.30	24.12			
5	QPSK	12	0	23.37	23.46	23.32			
5	QPSK	12	7	23.13	23.22	23.30	24.5	1	
5	QPSK	12	13	23.20	23.31	23.12			
5	HQAM	1	0	23.23	23.24	23.21			
5	HQAM	1	0	23.29	23.40	23.25			
5	HQAM	1	12	23.22	23.18	23.21	24.5	1	
5	HQAM	1	24	23.22	23.28	23.25			
5	HQAM	12	0	22.31	22.28	22.29			
5	HQAM	12	7	22.15	22.25	22.22	23.5	2	
5	HQAM	12	13	22.26	22.29	22.25			
5	HQAM	25	0	22.17	22.22	22.28			
5	HQAM	1	0	22.35	22.31	22.19	23.5	2	
5	HQAM	1	12	22.18	22.25	22.25			
5	HQAM	1	24	22.21	22.14	22.25			
5	HQAM	12	0	21.27	21.34	21.38			
5	HQAM	12	7	21.23	21.20	21.25	22.5	3	
5	HQAM	12	13	21.07	21.39	21.26			
5	HQAM	25	0	21.27	21.24	21.20			
5	25QAM	1	0	19.23	19.33	19.35			
5	25QAM	1	12	19.20	19.24	19.22	20.5	5	
5	25QAM	1	24	19.23	19.31	19.25			
5	25QAM	12	0	19.33	19.31	19.25			
5	25QAM	12	7	19.27	19.24	19.33	20.5	5	
5	25QAM	12	13	19.35	19.14	19.23			
5	25QAM	25	0	19.22	19.26	19.14			
Channel									
Frequency (MHz)				816.5	831.5	847.5	Turn-up Int. (dB)	MPE (dB)	
3	QPSK	1	0	24.13	24.24	24.23			
3	QPSK	1	8	24.14	24.23	24.28	25.5	0	
3	QPSK	1	14	24.17	24.27	24.14			
3	QPSK	8	0	23.41	23.34	23.38			
3	QPSK	8	4	23.15	23.23	23.32	24.5	1	
3	QPSK	8	10	23.22	23.31	23.12			
3	HQAM	1	0	23.31	23.33	23.31			
3	HQAM	1	0	23.38	23.17	23.21	24.5	1	
3	HQAM	1	8	23.38	23.38	23.34			
3	HQAM	8	0	22.27	22.27	22.27			
3	HQAM	8	4	22.27	22.27	22.27	23.5	2	
3	HQAM	8	10	22.27	22.27	22.27			
3	HQAM	15	0	21.19	22.22	22.43			
3	HQAM	8	8	22.22	22.33	22.60	23.5	2	
3	HQAM	15	0	21.19	22.22	22.43			
3	HQAM	8	8	22.16	22.19	22.18	23.5	2	
3	HQAM	14	22	22.27	22.24	22.23			
3	HQAM	8	16	22.28	21.28	22.26			
3	HQAM	8	4	21.16	21.18	21.18	22.5	3	
3	HQAM	8	7	21.13	21.36	21.21			
3	HQAM	14	0	19.26	19.34	19.41			
3	HQAM	8	8	19.18	19.19	19.34	20.5	5	
3	HQAM	8	16	19.27	19.27	19.28			
3	HQAM	8	9	19.32	19.25	19.31			
3	HQAM	8	4	19.28	19.24	19.38	20.5	5	
3	HQAM	8	16	19.37	19.27	19.28			
3	HQAM	15	0	19.22	19.25	19.18			
Channel									
Frequency (MHz)				2667	2685	2703	Turn-up Int. (dB)	MPE (dB)	
1.4	QPSK	1	0	24.20	24.33	24.24			
1.4	QPSK	1	3	24.14	24.31	24.20	25.5	0	
1.4	QPSK	1	6	24.22	24.29	24.26			
1.4	QPSK	1	9	24.24	24.24	24.24			
1.4	QPSK	3	0	24.05	24.19	24.10			
1.4	QPSK	3	1	24.17	24.14	24.15	24.5	1	
1.4	QPSK	3	4	24.18	24.21	24.21			
1.4	HQAM	1	0	23.25	23.33	23.30			
1.4	HQAM	1	3	23.19	23.25	23.23	24.5	1	
1.4	HQAM	1	6	23.18	23.21	23.23			
1.4	HQAM	1	9	23.32	23.19	23.17			
1.4	HQAM	3	0	23.21	23.23	23.23	23.5	2	
1.4	HQAM	3	1	23.21	23.20	23.17			
1.4	HQAM	3	4	23.28	23.18	23.24	23.5	2	
1.4	HQAM	3	7	23.18	23.14	23.09			
1.4	HQAM	6	0	21.27	21.28	21.28	22.5	3	
1.4	25QAM	1	0	19.37	19.37	19.37			
1.4	25QAM	1	3	19.18	19.15	19.25	20.5	5	
1.4	25QAM	1	6	19.21	19.28	19.28			
1.4	25QAM	3	0	19.34	19.37	19.25			
1.4	25QAM	3	1	19.25	19.30	19.31			
1.4	25QAM	3	4	19.27	19.28	19.31	20.5	5	
1.4	25QAM	6	0	19.25	19.21	19.11			

GSM850 Ant 4 DSI 4		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)		824.2	836.4	848.6	824.2	836.4	848.6	
GSM 1 Tx slot		32.40	32.46	32.45	33.50	23.40	23.46	23.45
GPRS 1 Tx slot		32.40	32.41	32.38	33.50	23.40	23.41	23.38
GPRS 2 Tx slots		31.45	31.36	31.31	32.50	25.45	25.36	25.31
GPRS 3 Tx slots		29.67	29.61	29.61	31.00	25.41	25.35	25.35
GPRS 4 Tx slots		28.73	28.79	28.68	30.00	25.73	25.79	25.68
EDGE 1 Tx slot		26.86	26.93	26.89	28.00	17.86	17.93	17.89
EDGE 2 Tx slots		23.82	23.96	23.89	25.30	17.82	17.96	17.90
EDGE 3 Tx slots		22.08	22.11	22.07	23.20	17.82	17.85	17.81
EDGE 4 Tx slots		20.89	20.93	20.84	22.00	17.89	17.93	17.84

GSM1900 Ant 4 DSI 4		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	1860	1909.8	1850.2	1860	1909.8	
GSM 1 Tx slot		26.93	27.04	26.96	28.00	17.93	18.04	17.96
GPRS 1 Tx slot		26.63	27.65	27.00	28.00	17.83	18.05	18.00
GPRS 2 Tx slots		24.17	24.10	24.18	25.00	18.17	18.10	18.18
GPRS 3 Tx slots		22.00	22.08	22.10	23.20	17.74	17.82	17.84
GPRS 4 Tx slots		20.88	20.92	20.86	22.00	17.88	17.92	17.86
EDGE 1 Tx slot		24.82	24.87	24.83	26.00	15.82	15.87	15.83
EDGE 2 Tx slots		21.81	21.82	21.79	23.00	15.81	15.92	15.79
EDGE 3 Tx slots		20.03	20.07	20.02	21.20	15.77	15.81	15.76
EDGE 4 Tx slots		18.88	18.87	18.87	20.00	15.88	15.87	15.87

Band		WCDMA 8 Ant 4 DSI 4			WCDMA 1V Ant 4 DSI 4			WCDMA V Ant 4 DSI 4		
TX Channel		9262	9400	9538	1312	1413	1513	4152	4182	4233
Rx Channel		9652	9690	9638	1637	1638	1718	4397	4407	4453
Frequency (MHz)		1852.4	1990	1907.8	1712.4	1732.6	1752.6	826.4	836.4	846.6
3GPP Rel 99	AMR 12.2kops	17.45	17.54	17.41	18.50	18.64	18.79	18.64	19.50	23.25
3GPP Rel 99	IMC 12.2kops	17.55	17.62	17.58	18.50	18.82	18.87	18.75	19.50	23.43
3GPP Rel 6	HSDPA Subtest-1	16.52	16.61	16.63	17.50	17.86	17.92	17.72	18.50	22.48
3GPP Rel 6	HSDPA Subtest-2	16.50	16.58	16.61	17.50	17.82	17.91	17.79	18.50	22.45
3GPP Rel 6	HSDPA Subtest-3	16.10	16.15	16.03	17.00	17.30	17.32	17.27	18.00	21.90
3GPP Rel 6	HSDPA Subtest-4	16.08	16.12	16.12	17.00	17.27	17.42	17.22	18.00	21.88
3GPP Rel 6	DCHSDPA Subtest-1	16.50	16.67	16.56	17.50	17.77	17.92	17.72	18.50	22.42
3GPP Rel 6	DCHSDPA Subtest-2	16.61	16.57	16.61	17.50	17.88	17.88	17.80	18.50	22.38
3GPP Rel 6	DCHSDPA Subtest-3	16.05	16.13	16.07	17.00	17.35	17.36	17.25	18.00	21.89
3GPP Rel 6	DCHSDPA Subtest-4	16.04	16.07	16.06	17.00	17.31	17.37	17.24	18.00	21.90
3GPP Rel 6	HSPA Subtest-1	16.50	16.64	16.63	17.50	17.83	17.84	17.70	18.50	22.44
3GPP Rel 6	HSPA Subtest-2	14.59	14.61	14.54	15.50	15.82	15.88	15.74	16.50	20.38
3GPP Rel 6	HSPA Subtest-3	15.52	15.68	15.53	16.50	16.78	16.82	16.79	17.50	21.44
3GPP Rel 6	HSPA Subtest-4	14.60	14.57	14.58	15.50	15.88	15.71	15.70	16.50	20.40
3GPP Rel 6	HSPA Subtest-5	16.59	16.67	16.61	17.50	17.84	17.82	17.72	18.50	22.39
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	14.01	14.08	14.04	15.00	15.30	15.36	15.29	16.00	18.91

Band 7 Ant 3 DSI 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20450	21100	21550	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	20.68	20.75	20.64	21.5	0	
20	QPSK	1	49	20.60	20.63	20.59			
20	QPSK	1	99	20.58	20.67	20.53			
20	QPSK	50	0	20.61	20.71	20.62	21.5	0	
20	QPSK	50	24	20.64	20.64	20.51			
20	QPSK	50	50	20.59	20.68	20.54			
20	QPSK	100	0	20.56	20.69	20.59	21.5	0	
20	16QAM	1	0	20.63	20.67	20.58			
20	16QAM	1	49	20.63	20.63	20.46			
20	16QAM	1	99	20.51	20.59	20.40	21.5	0	
20	16QAM	50	0	20.57	20.67	20.59			
20	16QAM	50	24	20.56	20.59	20.37			
20	16QAM	50	50	20.57	20.64	20.45	21.5	0	
20	16QAM	100	0	20.47	20.66	20.50			
20	64QAM	1	0	20.63	20.65	20.57	21.5	0	
20	64QAM	1	49	20.46	20.55	20.48			
20	64QAM	1	99	20.54	20.64	20.44			
20	64QAM	50	0	20.55	20.67	20.49	21.5	0	
20	64QAM	50	24	20.50	20.52	20.47			
20	64QAM	50	50	20.46	20.66	20.51			
20	64QAM	100	0	20.44	20.56	20.53	19.5	2	
20	256QAM	1	0	18.70	18.71	18.64			
20	256QAM	1	49	18.58	18.68	18.53			
20	256QAM	1	99	18.54	18.64	18.48	19.5	2	
20	256QAM	50	0	18.60	18.72	18.65			
20	256QAM	50	24	18.58	18.67	18.54			
20	256QAM	50	50	18.64	18.66	18.50	21.5	0	
20	256QAM	100	0	18.56	18.68	18.64			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	20.54	20.63	20.54	21.5	0	
15	QPSK	1	37	20.51	20.52	20.53			
15	QPSK	1	74	20.49	20.58	20.46			
15	QPSK	36	0	20.52	20.59	20.55	21.5	0	
15	QPSK	36	20	20.58	20.55	20.48			
15	QPSK	36	39	20.54	20.63	20.50			
15	QPSK	75	0	20.46	20.59	20.53	21.5	0	
15	16QAM	1	0	20.59	20.60	20.47			
15	16QAM	1	37	20.45	20.50	20.40			
15	16QAM	1	74	20.39	20.51	20.29	21.5	0	
15	16QAM	36	0	20.63	20.55	20.47			
15	16QAM	36	20	20.42	20.46	20.31			
15	16QAM	36	39	20.45	20.53	20.41	21.5	0	
15	16QAM	75	0	20.38	20.56	20.39			
15	64QAM	1	0	20.52	20.60	20.49	21.5	0	
15	64QAM	1	37	20.38	20.41	20.39			
15	64QAM	1	74	20.49	20.54	20.31			
15	64QAM	36	0	20.43	20.58	20.46	21.5	0	
15	64QAM	36	20	20.46	20.50	20.45			
15	64QAM	36	39	20.38	20.54	20.44			
15	64QAM	75	0	20.37	20.46	20.46	19.5	2	
15	256QAM	1	0	18.68	18.63	18.54			
15	256QAM	1	37	18.65	18.60	18.47			
15	256QAM	1	74	18.51	18.53	18.40	19.5	2	
15	256QAM	36	0	18.53	18.64	18.54			
15	256QAM	36	20	18.44	18.60	18.46			
15	256QAM	36	39	18.60	18.58	18.39	21.5	0	
15	256QAM	75	0	18.48	18.55	18.54			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	20.55	20.69	20.59	21.5	0	
10	QPSK	1	25	20.57	20.58	20.56			
10	QPSK	1	49	20.56	20.63	20.42			
10	QPSK	25	0	20.52	20.64	20.49	21.5	0	
10	QPSK	25	12	20.52	20.61	20.41			
10	QPSK	25	25	20.49	20.63	20.49			
10	QPSK	50	0	20.54	20.63	20.45	21.5	0	
10	16QAM	1	0	20.52	20.56	20.52			
10	16QAM	1	25	20.49	20.44	20.40			
10	16QAM	1	49	20.44	20.55	20.38	21.5	0	
10	16QAM	25	0	20.53	20.54	20.46			
10	16QAM	25	12	20.44	20.57	20.27			
10	16QAM	25	25	20.48	20.54	20.33	21.5	0	
10	16QAM	50	0	20.36	20.63	20.37			
10	64QAM	1	0	20.49	20.59	20.55			
10	64QAM	1	25	20.42	20.53	20.35	21.5	0	
10	64QAM	1	49	20.46	20.58	20.35			
10	64QAM	25	0	20.42	20.59	20.44			
10	64QAM	25	12	20.39	20.42	20.41	19.5	2	
10	64QAM	25	25	20.39	20.63	20.47			
10	64QAM	50	0	20.36	20.53	20.50			
10	256QAM	1	0	18.61	18.67	18.59	19.5	2	
10	256QAM	1	25	18.45	18.56	18.44			
10	256QAM	1	49	18.45	18.62	18.45			
10	256QAM	25	0	18.52	18.61	18.62	19.5	2	
10	256QAM	25	12	18.56	18.60	18.46			
10	256QAM	25	25	18.59	18.59	18.41			
10	256QAM	50	0	18.45	18.61	18.52	21.5	0	
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	20.56	20.66	20.59			
5	QPSK	1	12	20.52	20.51	20.54	21.5	0	
5	QPSK	1	24	20.54	20.65	20.44			
5	QPSK	12	0	20.49	20.61	20.50			
5	QPSK	12	7	20.59	20.52	20.39	21.5	0	
5	QPSK	12	13	20.55	20.62	20.47			
5	QPSK	25	0	20.43	20.62	20.51			
5	16QAM	1	0	20.52	20.63	20.54	21.5	0	
5	16QAM	1	12	20.50	20.42	20.36			
5	16QAM	1	24	20.49	20.51	20.32			
5	16QAM	12	0	20.50	20.61	20.52	21.5	0	
5	16QAM	12	7	20.51	20.51	20.31			
5	16QAM	12	13	20.55	20.51	20.33			
5	16QAM	25	0	20.42	20.57	20.41	21.5	0	
5	64QAM	1	0	20.58	20.55	20.47			
5	64QAM	1	12	20.34	20.45	20.43			
5	64QAM	1	24	20.44	20.54	20.32	21.5	0	
5	64QAM	12	0	20.52	20.54	20.40			
5	64QAM	12	7	20.44	20.40	20.38			
5	64QAM	12	13	20.33	20.56	20.40	19.5	2	
5	64QAM	25	0	20.35	20.52	20.42			
5	256QAM	1	0	18.62	18.61	18.56			
5	256QAM	1	12	18.44	18.64	18.49	19.5	2	
5	256QAM	1	24	18.40	18.56	18.37			
5	256QAM	12	0	18.49	18.59	18.59			
5	256QAM	12	7	18.50	18.64	18.51	19.5	2	
5	256QAM	12	13	18.54	18.57	18.36			
5	256QAM	25	0	18.54	18.61	18.60			

Band 2 Ant 4 DSI 4												
RF (MHz)	Modulation	RB Size	RB Offset	Power Low (dBm)	Power High (dBm)	Power Peak (dBm)	Turn-on time (ms)	MPE (dB)				
Channel									18700	18900	19100	
Frequency (MHz)												
20	QPSK	1	0	17.10	17.10	17.15						
20	QPSK	1	49	17.03	17.15	17.24		18	0			
20	QPSK	50	0	17.05	17.15	17.20						
20	QPSK	50	49	17.08	17.15	17.24						
20	QPSK	50	24	17.03	17.08	17.11		18	0			
20	QPSK	50	74	17.08	17.15	17.24						
20	QPSK	100	0	17.05	17.08	17.17		18	0			
20	QPSK	100	49	17.08	17.11	17.23						
20	QPSK	100	24	17.03	17.05	17.07						
20	QPSK	100	74	17.05	17.08	17.17						
20	QPSK	50	0	17.05	17.08	17.17		18	0			
20	QPSK	100	0	17.02	17.04	17.05						
20	QPSK	100	49	17.05	17.08	17.17						
20	QPSK	1	49	16.95	17.04	17.06		18	0			
20	QPSK	1	99	16.96	17.10	17.11						
20	QPSK	50	24	16.92	17.06	17.07						
20	QPSK	50	74	17.01	17.06	17.17						
20	QPSK	100	24	16.97	17.01	17.03						
20	QPSK	100	74	17.02	17.06	17.17						
20	QPSK	50	0	17.08	17.09	17.14						
20	QPSK	50	49	17.08	17.13	17.21						
20	QPSK	100	0	17.01	17.03	17.05						
20	QPSK	100	49	16.99	16.98	16.97						
20	QPSK	100	0	16.98	17.07	17.09		Turn-on time (ms)	MPE (dB)			
Channel									1887.5	1880	1880.5 <th></th>	
Frequency (MHz)												
15	QPSK	1	0	17.00	17.07	17.07						
15	QPSK	1	37	16.92	17.08	17.07		18	0			
15	QPSK	1	74	16.95	17.11	17.12						
15	QPSK	36	0	17.02	17.14	17.09						
15	QPSK	36	36	17.02	17.12	17.09						
15	QPSK	36	72	17.02	17.03	17.03						
15	QPSK	36	108	17.07	17.07	17.03						
15	QPSK	72	0	17.02	16.99	17.01						
15	QPSK	72	36	17.01	17.01	17.01						
15	QPSK	72	72	16.95	17.05	17.05		18	0			
15	QPSK	144	0	16.98	16.99	17.04						
15	QPSK	144	72	16.98	16.99	17.04						
15	QPSK	36	20	16.93	17.03	16.97						
15	QPSK	36	108	16.93	17.03	16.97						
15	QPSK	72	0	16.98	17.06	17.06		18	0			
15	QPSK	72	36	16.93	17.03	16.97						
15	QPSK	144	0	16.97	17.06	17.06						
15	QPSK	144	72	16.97	17.06	17.06						
15	QPSK	36	20	16.93	17.03	16.97						
15	QPSK	36	108	16.93	17.03	16.97						
15	QPSK	72	0	16.98	17.06	17.06		18	0			
15	QPSK	72	36	16.93	17.03	16.97						
15	QPSK	144	0	16.97	17.06	17.06						
15	QPSK	144	72	16.97	17.06	17.06						
Channel									1892.5	1880	1880.5 <th></th>	
Frequency (MHz)												
10	QPSK	1	0	17.00	17.07	17.07						
10	QPSK	1	37	16.92	17.08	17.07		18	0			
10	QPSK	1	74	16.95	17.11	17.12						
10	QPSK	36	0	17.02	17.14	17.09						
10	QPSK	36	36	17.02	17.12	17.09						
10	QPSK	36	72	17.02	17.03	17.03						
10	QPSK	36	108	17.07	17.07	17.03						
10	QPSK	72	0	17.02	16.99	17.01						
10	QPSK	72	36	17.01	17.01	17.01						
10	QPSK	72	72	16.95	17.05	17.05		18	0			
10	QPSK	144	0	16.98	16.99	17.04						
10	QPSK	144	72	16.98	16.99	17.04						
10	QPSK	36	20	16.93	17.03	16.97						
10	QPSK	36	108	16.93	17.03	16.97						
10	QPSK	72	0	16.98	17.06	17.06		18	0			
10	QPSK	72	36	16.93	17.03	16.97						
10	QPSK	144	0	16.97	17.06	17.06						
10	QPSK	144	72	16.97	17.06	17.06						
Channel									1897.5	1880	1880.5 <th></th>	
Frequency (MHz)												
5	QPSK	1	0	17.00	17.09	17.11						
5	QPSK	1	12	16.99	17.07	17.04						
5	QPSK	1	24	17.00	17.09	17.07						
5	QPSK	1	36	17.04	17.13	17.11						
5	QPSK	12	0	16.93	17.03	17.01		18	0			
5	QPSK	12	18	16.99	17.03	17.03						
5	QPSK	12	36	17.05	17.15	17.13						
5	QPSK	12	54	17.05	17.04	17.04						
5	QPSK	1	12	16.86	17.05	16.95						
5	QPSK	1	24	16.95	17.03	16.97						
5	QPSK	12	0	16.98	17.08	16.95		18	0			
5	QPSK	12	18	16.91	16.91	16.97						
5	QPSK	12	36	16.95	17.03	17.01						
5	QPSK	12	54	17.02	16.95	17.00						
5	QPSK	1	12	16.89	17.03	16.95		18	0			
5	QPSK	1	24	16.89	17.10	17.07						
5	QPSK	12	0	16.94	16.94	17.00		18	0			
5	QPSK	12	18	16.89	16.98	17.03						
5	QPSK	12	36	16.93	16.99	16.98						
5	QPSK	12	54	16.97	17.01	17.13						
5	QPSK	1	12	16.86	16.99	16.98		18	0			
5	QPSK	12	0	16.95	17.05	16.94						
5	QPSK	12	18	16.86	16.99	17.03						
5	QPSK	12	36	16.97	17.02	17.00						
5	QPSK	12	54	16.90	17.03	16.98						
Channel									1899.5	1880	1880.5 <th></th>	
Frequency (MHz)												
3	QPSK	1	0	17.02	17.15	17.15						
3	QPSK	1	8	16.99	17.07	17.03		18	0			
3	QPSK	1	16	17.00	17.10	17.08						
3	QPSK	8	0	17.05	17.14	17.01						
3	QPSK	8	8	16.96	17.08	17.08						
3	QPSK	8	16	17.04	17.13	17.01						
3	QPSK	16	0	16.98	17.10	17.01						
3	QPSK	1	0	17.01	16.95	17.06		18	0			
3	QPSK	1	8	16.94	17.06	17.06						
3	QPSK	1	16	16.91	16.91	17.02						
3	QPSK	8	0	17.00	17.00	17.02						
3	QPSK	8	8	16.91	16.93	16.99						
3	QPSK	8	16	17.00	17.02	17.01						
3	QPSK	16	0	16.94	16.99	17.06						
3	QPSK	16	8	16.87	17.02	17.00						
3	QPSK	1	8	16.88	16.98	16.98						
3	QPSK	1	16	16.87	17.08	17.01						
3	QPSK	8	0	16.92	16.95	16.96						
3	QPSK	8	8	16.93	16.95	16.96						
3	QPSK	8	16	16.97	17.01	16.99						
3	QPSK	16	0	16.90	17.05	17.14						
3	QPSK	16	8	16.87	17.02	17.00		18	0			
3	QPSK	1	14	17.01	17.00	17.00						
3	QPSK	1	30	16.95	17.06	17.06						
3	QPSK	16	0	16.93	17.01	16.95						
3	QPSK	1	14	17.01	17.00	17.00						
3	QPSK	8	0	16.97	17.05	16.91						
3	QPSK	8	8	16.97	17.00	16.97						
3	QPSK	8	16	16.92	16.96	16.91		18	0			
3	QPSK	16	0	16.92	16.96	16.91						
3	QPSK	16	8	16.91	16.95	16.98						
Channel									1899.5	1880	1880.5 <th></th>	
Frequency (MHz)												
1.4	QPSK	1	0	16.99	17.07	17.15						
1.4	QPSK	1	8	17.00	17.10	17.08						
1.4	QPSK	1	16	17.00	17.11	17.09						
1.4	QPSK	8	0	17.07	17.07	17.04		18	0			
1.4	QPSK	8	8	17.07	17.07	17.07						
1.4	QPSK	8	16	17.08	17.11	17.05						
1.4	QPSK	16	0	17.05	17.07	17.00		18	0			
1.4	QPSK	16	8	16.95	17.06	17.06						
1.4	QPSK	1	8	16.84	17.05	16.95						
1.4	QPSK	1	16	16.89	17.01	16.99						
1.4	QPSK	8	0	17.07	17.09	17.01						
1.4	QPSK	8	8	16.97	17.03	16.97						
1.4	QPSK	8	16	16.94	17.06	17.06		18	0			
1.4	QPSK	16	0	16.97	17.05	16.95						
1.4	QPSK	16	8	16.96	17.05							

Band 4 Ant 4 DSI 4												
RF (MHz)	Modulation	RB Size	RB Offset	Power Class 20000	Power Class 20175	Power Class 20175	Power Class 20175	Turn-on Time (ms)	MPE (dB)			
Channel												
Frequency (MHz)												
20	QPSK	1	0	18.12	18.12	18.12	18.12					
20	QPSK	1	48	18.09	18.06	18.06	18.06					
20	QPSK	1	96	18.06	18.03	18.03	18.03	10	0			
20	QPSK	50	0	18.02	18.11	18.11	18.11					
20	QPSK	50	24	18.03	18.06	18.06	18.06					
20	QPSK	50	48	18.06	18.03	18.03	18.03					
20	QPSK	100	0	18.04	18.10	18.10	18.10					
20	QPSK	100	24	18.05	18.08	18.08	18.08					
20	QPSK	100	48	18.07	18.06	18.06	18.06	10	0			
20	HQPSK	1	0	18.08	18.08	18.08	18.08					
20	HQPSK	25	0	17.98	18.01	18.01	18.01					
20	HQPSK	25	24	18.02	17.99	17.99	17.99					
20	HQPSK	50	0	18.01	18.03	18.03	18.03	10	0			
20	HQPSK	50	24	17.97	17.98	17.98	17.98					
20	HQPSK	50	48	18.03	18.02	18.02	18.02					
20	HQPSK	100	0	17.99	18.00	18.00	18.00					
20	HQPSK	100	24	18.01	17.99	17.99	17.99					
20	HQPSK	100	48	18.05	18.05	18.05	18.05	10	0			
20	HQPSK	150	0	17.97	17.98	17.98	17.98					
20	HQPSK	150	24	18.02	17.99	17.99	17.99					
20	HQPSK	150	48	18.06	18.06	18.06	18.06	10	0			
20	HQPSK	150	72	17.99	18.00	18.00	18.00					
20	HQPSK	150	96	18.01	17.99	17.99	17.99					
20	HQPSK	150	120	18.03	18.02	18.02	18.02					
20	HQPSK	150	144	17.98	18.01	18.01	18.01					
20	HQPSK	150	168	18.02	17.98	17.98	17.98					
20	HQPSK	150	192	18.05	18.05	18.05	18.05	10	0			
20	HQPSK	150	216	17.96	18.02	18.02	18.02					
20	HQPSK	150	240	18.01	17.99	17.99	17.99					
Frequency (MHz)				17.915	17.925	17.935	17.945					
15	QPSK	1	0	18.06	18.14	18.14	18.14					
15	QPSK	1	48	18.06	17.95	17.95	17.95					
15	QPSK	1	96	18.06	18.03	18.03	18.03	10	0			
15	QPSK	36	0	17.89	18.12	18.12	18.12					
15	QPSK	36	24	17.92	17.93	17.93	17.93					
15	QPSK	36	48	17.96	17.98	17.98	17.98					
15	QPSK	36	72	17.99	17.98	17.98	17.98					
15	QPSK	75	0	17.89	18.05	18.05	18.05					
15	QPSK	75	24	17.92	17.93	17.93	17.93					
15	QPSK	75	48	17.96	17.98	17.98	17.98					
15	QPSK	75	72	17.99	17.97	17.97	17.97					
15	HQPSK	1	0	18.01	17.91	17.91	17.91					
15	HQPSK	1	48	17.98	18.01	18.01	18.01					
15	HQPSK	1	96	18.01	17.98	17.98	17.98	10	0			
15	HQPSK	36	0	17.94	18.03	18.03	18.03					
15	HQPSK	36	24	17.97	17.96	17.96	17.96	10	0			
15	HQPSK	36	48	17.98	17.98	17.98	17.98					
15	HQPSK	36	72	17.99	17.98	17.98	17.98					
15	HQPSK	75	0	17.94	18.01	18.01	18.01					
15	HQPSK	75	24	17.97	17.96	17.96	17.96					
15	HQPSK	75	48	17.98	17.98	17.98	17.98	10	0			
15	HQPSK	75	72	17.99	17.97	17.97	17.97					
15	HQPSK	150	0	17.97	17.98	17.98	17.98					
15	HQPSK	150	24	18.02	17.99	17.99	17.99					
15	HQPSK	150	48	18.06	18.06	18.06	18.06	10	0			
15	HQPSK	150	72	17.99	18.00	18.00	18.00					
15	HQPSK	150	96	18.01	17.99	17.99	17.99					
15	HQPSK	150	120	18.03	18.02	18.02	18.02					
15	HQPSK	150	144	17.98	18.01	18.01	18.01					
15	HQPSK	150	168	18.02	17.98	17.98	17.98					
15	HQPSK	150	192	18.05	18.05	18.05	18.05	10	0			
15	HQPSK	150	216	17.96	18.02	18.02	18.02					
15	HQPSK	150	240	18.01	17.99	17.99	17.99					
Frequency (MHz)				17.915	17.925	17.935	17.945					
10	QPSK	1	0	18.01	18.11	18.11	18.11					
10	QPSK	1	48	18.01	18.01	18.01	18.01					
10	QPSK	1	96	18.01	18.01	18.01	18.01	10	0			
10	QPSK	25	0	17.89	18.08	18.08	18.08					
10	QPSK	25	24	17.92	17.93	17.93	17.93					
10	QPSK	25	48	17.96	17.98	17.98	17.98					
10	QPSK	25	72	17.99	17.98	17.98	17.98					
10	HQPSK	1	0	18.01	17.97	17.97	17.97					
10	HQPSK	1	48	17.98	18.01	18.01	18.01					
10	HQPSK	1	96	18.01	17.98	17.98	17.98	10	0			
10	HQPSK	25	0	17.94	18.03	18.03	18.03					
10	HQPSK	25	24	17.97	17.96	17.96	17.96					
10	HQPSK	25	48	17.98	17.98	17.98	17.98	10	0			
10	HQPSK	25	72	17.99	17.98	17.98	17.98					
10	HQPSK	50	0	17.94	18.01	18.01	18.01					
10	HQPSK	50	24	17.97	17.96	17.96	17.96					
10	HQPSK	50	48	17.98	17.98	17.98	17.98	10	0			
10	HQPSK	50	72	17.99	17.97	17.97	17.97					
10	HQPSK	100	0	17.97	17.98	17.98	17.98					
10	HQPSK	100	24	18.02	17.99	17.99	17.99					
10	HQPSK	100	48	18.06	18.06	18.06	18.06	10	0			
10	HQPSK	100	72	17.99	18.00	18.00	18.00					
10	HQPSK	100	96	18.01	17.99	17.99	17.99					
10	HQPSK	100	120	18.03	18.02	18.02	18.02					
10	HQPSK	100	144	17.98	18.01	18.01	18.01					
10	HQPSK	100	168	18.02	17.98	17.98	17.98					
10	HQPSK	100	192	18.05	18.05	18.05	18.05	10	0			
10	HQPSK	100	216	17.96	18.02	18.02	18.02					
10	HQPSK	100	240	18.01	17.99	17.99	17.99					
Frequency (MHz)				17.915	17.925	17.935	17.945					
3	QPSK	1	0	18.06	18.11	18.11	18.11					
3	QPSK	1	48	18.07	17.96	17.96	17.96	10	0			
3	QPSK	1	96	18.07	18.04	18.04	18.04					
3	QPSK	8	0	17.92	18.06	18.06	18.06					
3	QPSK	8	4	18.04	17.96	17.96	17.96					
3	QPSK	8	8	18.05	18.05	18.05	18.05	10	0			
3	QPSK	16	0	17.92	17.98	18.03	18.03					
3	QPSK	16	4	18.00	18.07	18.01	18.01					
3	QPSK	16	8	18.02	17.94	17.92	17.92	10	0			
3	HQPSK	1	0	18.01	18.01	18.01	18.01					
3	HQPSK	14	0	17.94	18.06	18.08	18.08					
3	HQPSK	8	0	17.94	18.06	18.08	18.08					
3	HQPSK	8	4	17.92	17.91	17.92	17.92					
3	HQPSK	8	7	17.97	17.94	17.93	17.93					
3	HQPSK	16	0	17.89	17.94	17.92	17.92					
3	HQPSK	16	4	17.96	17.96	18.02	18.02					
3	HQPSK	8	7	17.97	17.94	17.93	17.93					
3	HQPSK	8	14	17.97	17.97	17.97	17.97	10	0			
3	HQPSK	8	21	17.96	17.96	17.96	17.96					
3	HQPSK	8	28	17.97	17.96	17.96	17.96					
3	HQPSK	16	0	17.84	17.99	18.05	18.05					
3	HQPSK	16	4	17.91	17.98	18.01	18.01					
3	HQPSK	16	8	17.97	17.97	17.97	17.97	10	0			
3	HQPSK	16	12	17.97	17.97	17.97	17.97					
3	HQPSK	16	16	17.97	17.97	17.97	17.97					
3	HQPSK	16	20	17.97	17.97	17.97	17.97	10	0			
3	HQPSK	16	24	17.97	17.97	17.97	17.97					
3	HQPSK	16	28	17.97	17.97	17.97	17.97					
3	HQPSK	16	32	17.97	17.97	17.97	17.97	10	0			
3	HQPSK	16	36	17.97	17.97	17.97	17.97					
3	HQPSK	16	40	17.97	17.97	17.97	17.97					
3	HQPSK	16	44	17.97	17.97	17.97	17.97	10	0			
3	HQPSK	16	48	17.97	17.97	17.97	17.97					
3	HQPSK	16	52	17.97	17.97	17.97	17.97					
3	HQPSK	16	56	17.97	17.97	17.97	17.97	10	0			
3	HQPSK	16	60	17.97	17.97	17.97	17.97					
3	HQPSK	16	64	17.97	17.97	17.97	17.97					

Band 5 Ant 4 DSI 4										
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Out (W) (dBm)	Power Mode Max (W) (dBm)	Power Hsp Out (W) (dBm)	Time-up (min)	TS (dB)	TS (dB)	
Channel										
Frequency (MHz)										
16	QPSK	1	0	23.45	23.57	23.45				
16	QPSK	1	25	23.37	23.49	23.43		24.5	0	
16	QPSK	1	49	23.37	23.49	23.43				
16	QPSK	25	9	23.40	23.54	23.40				
16	QPSK	25	12	23.40	23.49	23.43		24.5	0	
16	QPSK	25	12	23.37	23.49	23.43				
16	QPSK	80	0	23.42	23.48	23.42				
16	HQDM	1	0	23.38	23.46	23.43		24.5	0	
16	HQDM	25	0	23.39	23.46	23.38				
16	HQDM	1	49	23.31	23.45	23.36				
16	HQDM	25	0	23.46	22.49	22.44				
16	HQDM	25	12	23.39	23.46	23.37		23.5	1	
16	HQDM	25	25	23.28	22.45	22.36				
16	HQDM	50	0	23.48	22.50	22.45				
16	HQDM	1	25	23.33	23.35	23.33		23.5	1	
16	HQDM	1	49	23.24	22.50	22.42				
16	HQDM	25	12	21.38	21.51	21.45		22.5	2	
16	HQDM	25	25	21.32	21.41	21.36				
16	QPSK	1	0	21.43	21.46	21.43		22.5	0	
16	256QAM	1	0	19.42	19.52	19.34		20.5	0	
16	256QAM	1	25	19.43	19.42	19.37				
16	256QAM	1	49	19.34	19.48	19.42				
16	256QAM	25	0	19.42	19.48	19.44				
16	256QAM	25	12	19.42	19.48	19.39		20.5	0	
16	256QAM	25	25	19.37	19.44	19.35				
16	256QAM	80	0	19.32	19.44	19.34				
Channel										
Frequency (MHz)										
8	QPSK	1	0	23.42	23.54	23.5				
8	QPSK	1	14	23.33	23.43	23.38		24.5	0	
8	QPSK	1	25	23.38	23.42	23.37				
8	QPSK	12	0	23.38	23.49	23.32				
8	QPSK	12	13	23.33	23.43	23.37		24.5	0	
8	QPSK	25	0	23.39	23.49	23.39				
8	HQDM	1	0	23.27	23.39	23.32		24.5	0	
8	HQDM	1	24	23.28	23.29	23.27				
8	HQDM	12	13	23.21	22.42	22.37		23.5	1	
8	HQDM	12	13	23.21	22.38	22.16				
8	HQDM	25	0	22.45	22.46	22.38				
8	HQDM	1	0	22.38	22.31	22.21		23.5	1	
8	HQDM	1	12	22.38	22.21	22.31				
8	HQDM	1	24	22.37	22.21	22.21				
8	HQDM	12	0	21.31	21.55	21.31		22.5	2	
8	HQDM	12	7	21.25	21.41	21.36				
8	HQDM	12	13	21.36	21.49	21.40				
8	HQDM	25	0	21.37	21.43	21.27				
8	256QAM	1	0	19.40	19.45	19.22		20.5	4	
8	256QAM	1	12	19.31	19.39	19.31				
8	256QAM	1	24	19.27	19.39	19.31				
8	256QAM	12	0	19.30	19.40	19.37				
8	256QAM	12	13	19.34	19.44	19.35				
8	256QAM	25	0	19.35	19.44	19.35				
Channel										
Frequency (MHz)										
3	QPSK	1	0	23.52	23.63	23.63				
3	QPSK	1	3	23.28	23.38	23.45		24.5	0	
3	QPSK	1	6	23.24	23.45	23.27				
3	QPSK	3	0	23.37	23.43	23.34				
3	QPSK	3	1	23.37	23.43	23.34				
3	QPSK	3	7	23.29	23.43	23.32				
3	QPSK	15	0	23.32	23.34	23.32				
3	HQDM	1	0	23.21	23.33	23.33		24.5	0	
3	HQDM	1	3	23.23	23.34	23.35				
3	HQDM	1	6	23.40	22.42	22.41				
3	HQDM	3	0	23.29	22.43	22.38		23.5	1	
3	HQDM	3	1	23.29	22.43	22.38				
3	HQDM	15	0	22.41	22.44	22.20				
3	HQDM	1	0	23.28	22.38	22.38		23.5	1	
3	HQDM	1	24	23.23	22.21	22.26				
3	HQDM	1	14	23.28	22.37	22.29				
3	HQDM	3	0	21.36	21.55	21.33		22.5	2	
3	HQDM	3	7	21.31	21.40	21.40				
3	HQDM	15	0	21.34	21.43	21.33				
3	256QAM	1	0	19.26	19.39	19.31		20.5	0	
3	256QAM	1	3	19.28	19.40	19.43				
3	256QAM	1	14	19.21	19.34	19.33				
3	256QAM	3	0	19.34	19.43	19.36		20.5	4	
3	256QAM	3	4	19.32	19.36	19.34				
3	256QAM	15	0	19.29	19.39	19.37				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	23.32	23.43	23.43				
1.4	QPSK	1	3	23.28	23.38	23.45		24.5	0	
1.4	QPSK	1	6	23.24	23.45	23.27				
1.4	QPSK	3	0	23.37	23.43	23.34				
1.4	QPSK	3	1	23.37	23.43	23.34				
1.4	QPSK	3	7	23.29	23.43	23.32				
1.4	HQDM	1	0	23.21	23.33	23.33		24.5	0	
1.4	HQDM	1	3	23.23	23.34	23.35				
1.4	HQDM	1	6	23.40	22.42	22.41				
1.4	HQDM	3	0	23.29	22.43	22.38		24.5	0	
1.4	HQDM	3	1	23.29	22.43	22.38				
1.4	HQDM	15	0	22.41	22.44	22.20				
1.4	HQDM	1	0	23.28	22.32	22.32		23.5	1	
1.4	HQDM	1	3	23.23	22.22	22.27				
1.4	HQDM	3	1	22.15	22.19	22.20				
1.4	HQDM	3	23	22.23	22.25	22.26		22.5	2	
1.4	HQDM	1	0	19.38	19.39	19.22		20.5	4	
1.4	256QAM	1	3	19.41	19.35	19.34				
1.4	256QAM	1	6	19.21	19.43	19.39				
1.4	256QAM	3	0	19.28	19.38	19.37				
1.4	256QAM	1	1	19.39	19.32	19.31				
1.4	256QAM	3	1	19.31	19.41	19.27				
1.4	256QAM	3	0	19.28	19.38	19.23		20.5	4	

Band 7 Ant 4 DSI 4												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq. 20850	Power High Ch / Freq. 21100	Power High Ch / Freq. 21350	Turn-up Int. (sec)	MPE (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	16.93	16.99	16.90	18.5	0				
20	QPSK	1	40	16.80	16.90	16.87						
20	QPSK	1	80	16.83	16.92	16.76						
20	QPSK	50	0	16.88	16.97	16.86	18.5	0				
20	QPSK	50	24	16.84	16.89	16.83						
20	QPSK	50	50	16.83	16.92	16.80						
20	QPSK	100	0	16.82	16.91	16.84	18.5	0				
20	16QAM	1	0	16.90	16.98	16.86						
20	16QAM	1	40	16.70	16.87	16.81						
20	16QAM	1	80	16.80	16.80	16.89	18.5	0				
20	16QAM	50	0	16.77	16.92	16.75						
20	16QAM	50	24	16.70	16.85	16.74						
20	16QAM	50	50	16.74	16.80	16.74	18.5	0				
20	16QAM	100	0	16.73	16.83	16.70						
20	16QAM	1	0	16.81	16.89	16.76						
20	8QAM	1	0	16.70	16.77	16.76	18.5	0				
20	8QAM	1	80	16.80	16.81	16.70						
20	8QAM	50	0	16.77	16.85	16.82						
20	8QAM	25	24	16.70	16.82	16.89	18.5	0				
20	8QAM	50	50	16.73	16.85	16.77						
20	8QAM	100	0	16.77	16.78	16.79						
20	256QAM	1	0	16.79	16.85	16.84	18.5	0				
20	256QAM	1	40	16.71	16.84	16.74						
20	256QAM	1	80	16.72	16.86	16.75						
20	256QAM	50	0	16.80	16.92	16.74	18.5	0				
20	256QAM	50	24	16.73	16.80	16.74						
20	256QAM	50	50	16.73	16.88	16.68						
20	256QAM	100	0	16.75	16.79	16.72	18.5	0				
Channel												
Frequency (MHz)												
15	QPSK	1	0	16.91	16.95	16.86	18.5	0				
15	QPSK	1	37	16.72	16.83	16.81						
15	QPSK	1	74	16.70	16.87	16.66						
15	QPSK	36	0	16.75	16.80	16.81	18.5	0				
15	QPSK	36	36	16.72	16.80	16.73						
15	QPSK	36	72	16.77	16.82	16.67						
15	QPSK	72	0	16.79	16.86	16.76	18.5	0				
15	16QAM	1	0	16.87	16.78	16.77						
15	16QAM	1	37	16.61	16.78	16.76						
15	16QAM	36	0	16.74	16.88	16.70	18.5	0				
15	16QAM	36	36	16.64	16.82	16.63						
15	16QAM	36	72	16.62	16.71	16.71						
15	8QAM	1	0	16.77	16.80	16.64	18.5	0				
15	8QAM	1	74	16.69	16.75	16.68						
15	8QAM	1	14	16.55	16.72	16.62						
15	8QAM	36	0	16.65	16.73	16.70	18.5	0				
15	8QAM	36	36	16.67	16.68	16.68						
15	8QAM	36	72	16.65	16.75	16.67						
15	8QAM	72	0	16.74	16.69	16.69	18.5	0				
15	256QAM	1	0	16.68	16.75	16.68						
15	256QAM	1	37	16.64	16.70	16.70						
15	256QAM	1	74	16.65	16.72	16.65	18.5	0				
15	256QAM	36	0	16.64	16.80	16.64						
15	256QAM	36	36	16.67	16.73	16.63						
15	256QAM	36	72	16.68	16.65	16.65	18.5	0				
15	256QAM	72	0	16.67	16.67	16.67						
15	256QAM	72	36	16.67	16.67	16.67						
Channel												
Frequency (MHz)												
10	QPSK	1	0	16.93	16.93	16.89	18.5	0				
10	QPSK	1	25	16.76	16.79	16.67						
10	QPSK	1	49	16.71	16.87	16.87						
10	QPSK	1	0	16.82	16.82	16.81	18.5	0				
10	QPSK	25	12	16.82	16.81	16.79						
10	QPSK	25	25	16.78	16.83	16.71						
10	QPSK	25	50	16.79	16.84	16.71	18.5	0				
10	16QAM	1	0	16.87	16.77	16.74						
10	16QAM	1	25	16.71	16.78	16.67						
10	16QAM	25	0	16.70	16.89	16.70	18.5	0				
10	16QAM	25	12	16.70	16.73	16.65						
10	16QAM	25	25	16.65	16.74	16.67						
10	16QAM	50	0	16.65	16.73	16.76	18.5	0				
10	8QAM	1	0	16.75	16.78	16.65						
10	8QAM	1	25	16.67	16.83	16.71						
10	8QAM	25	0	16.70	16.75	16.80	18.5	0				
10	8QAM	25	10	16.60	16.71	16.71						
10	8QAM	25	25	16.60	16.75	16.71						
10	8QAM	50	0	16.68	16.64	16.66	18.5	0				
10	256QAM	1	0	16.67	16.75	16.76						
10	256QAM	1	25	16.58	16.76	16.65						
10	256QAM	1	40	16.68	16.76	16.65	18.5	0				
10	256QAM	1	80	16.68	16.76	16.67						
10	256QAM	1	120	16.68	16.76	16.67						
10	256QAM	50	0	16.67	16.87	16.68	18.5	0				
10	256QAM	50	25	16.62	16.87	16.68						
10	256QAM	50	50	16.63	16.88	16.62						
10	256QAM	25	25	16.63	16.75	16.65	18.5	0				
10	256QAM	25	50	16.60	16.75	16.60						
10	256QAM	25	75	16.60	16.75	16.60						
Channel												
Frequency (MHz)												
5	QPSK	1	0	16.70	16.89	16.85	18.5	0				
5	QPSK	1	12	16.60	16.80	16.75						
5	QPSK	1	24	16.70	16.79	16.69						
5	QPSK	12	0	16.77	16.86	16.83	18.5	0				
5	QPSK	12	7	16.76	16.83	16.72						
5	QPSK	12	13	16.77	16.89	16.69						
5	QPSK	24	0	16.76	16.84	16.80	18.5	0				
5	16QAM	1	0	16.81	16.82	16.72						
5	16QAM	1	12	16.70	16.80	16.71						
5	16QAM	12	11	16.72	16.72	16.71	18.5	0				
5	16QAM	12	0	16.71	16.83	16.66						
5	16QAM	12	7	16.70	16.83	16.61						
5	16QAM	25	0	16.67	16.70	16.73	18.5	0				
5	8QAM	1	0	16.73	16.83	16.70						
5	8QAM	1	15	16.60	16.73	16.72						
5	8QAM	1	24	16.65	16.78	16.61	18.5	0				
5	8QAM	12	0	16.72	16.82	16.76						
5	8QAM	12	7	16.64	16.75	16.76						
5	8QAM	25	0	16.70	16.87	16.71	18.5	0				
5	256QAM	1	0	16.66	16.81	16.70						
5	256QAM	1	12	16.59	16.79	16.67						
5	256QAM	1	24	16.61	16.84	16.62	18.5	0				
5	256QAM	1	48	16.61	16.84	16.62						
5	256QAM	1	72	16.61	16.84	16.62						
5	256QAM	12	7	16.65	16.70	16.65	18.5	0				
5	256QAM	12	7	16.59	16.79	16.59						
5	256QAM	12	19	16.59	16.79	16.57						

Band 17 Ant 4 DSI 4												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up Int. (dB)	MPE (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0	24.40	24.48	24.52			25.5	0		
10	QPSK	1	25	24.36	24.48	24.52						
10	QPSK	1	49	24.35	24.47	24.52						
10	QPSK	1	73	24.37	24.49	24.53						
10	QPSK	25	12	23.30	23.48	23.54			24.5	1		
10	QPSK	25	25	23.39	23.46	23.57						
10	QPSK	50	0	23.35	23.44	23.52						
10	HQAM	1	0	23.37	23.52	23.59						
10	HQAM	1	25	23.40	23.46	23.51			24.5	1		
10	HQAM	1	49	23.37	23.47	23.57						
10	HQAM	25	0	22.42	22.46	22.50						
10	HQAM	25	12	22.35	22.45	22.49						
10	HQAM	25	25	22.41	22.49	22.54			23.5	2		
10	HQAM	50	0	22.34	22.41	22.57						
10	HQAM	1	0	22.44	22.47	22.57						
10	HQAM	1	25	22.36	22.46	22.54						
10	HQAM	1	49	22.40	22.44	22.54			22.5	3		
10	HQAM	25	0	21.32	21.48	21.57						
10	HQAM	25	12	21.36	21.53	21.62						
10	HQAM	25	25	21.35	21.48	21.61						
10	HQAM	50	0	21.36	21.47	21.58			20.5	5		
10	25QAM	1	0	19.40	19.46	19.50						
10	25QAM	1	25	19.34	19.45	19.50						
10	25QAM	1	49	19.39	19.47	19.58						
10	25QAM	25	0	19.43	19.45	19.54			20.5	5		
10	25QAM	25	12	19.43	19.42	19.58						
10	25QAM	25	25	19.38	19.45	19.58						
10	25QAM	50	0	19.37	19.44	19.52						
Channel												
Frequency (MHz)												
5	QPSK	1	0	24.32	24.48	24.56			25.5	0		
5	QPSK	1	12	24.30	24.39	24.57						
5	QPSK	1	24	24.35	24.42	24.51						
5	QPSK	12	0	23.33	23.40	23.51						
5	QPSK	12	7	23.32	23.48	23.57			24.5	1		
5	QPSK	12	13	23.32	23.35	23.51						
5	QPSK	25	0	23.24	23.37	23.53						
5	QPSK	1	0	23.33	23.45	23.51						
5	HQAM	1	12	23.28	23.38	23.53			24.5	1		
5	HQAM	1	24	23.31	23.42	23.57						
5	HQAM	12	0	22.33	22.46	22.59						
5	HQAM	12	7	22.27	22.41	22.52						
5	HQAM	12	13	22.33	22.44	22.55			23.5	2		
5	HQAM	25	0	22.34	22.31	22.17						
5	HQAM	1	0	22.43	22.38	22.17						
5	HQAM	1	24	22.29	22.40	22.27						
5	HQAM	12	0	21.22	21.37	21.23			22.5	3		
5	HQAM	12	7	21.32	21.43	21.36						
5	HQAM	12	13	21.34	21.36	21.34						
5	HQAM	25	0	21.29	21.35	21.27						
5	25QAM	1	0	19.29	19.40	19.51			20.5	5		
5	25QAM	1	12	19.25	19.34	19.51						
5	25QAM	1	24	19.35	19.37	19.56						
5	25QAM	12	0	19.35	19.35	19.51						
5	25QAM	12	7	19.29	19.40	19.56			20.5	5		
5	25QAM	12	13	19.28	19.35	19.57						
5	25QAM	25	0	19.25	19.38	19.54						
5	25QAM	25	0	19.25	19.38	19.54						

Band 26 Ant 4 DSI 4												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up Int. (dB)	MPE (dB)				
Channel												
Frequency (MHz)												
15	QPSK	1	0	24.42	24.50	24.47			25.5	0		
15	QPSK	1	37	24.38	24.53	24.43						
15	QPSK	1	74	24.36	24.51	24.45						
15	QPSK	36	0	23.45	23.48	23.43						
15	QPSK	36	20	23.38	23.45	23.43			24.5	1		
15	QPSK	36	39	23.36	23.45	23.43						
15	QPSK	75	0	23.34	23.47	23.45						
15	HQAM	1	0	23.44	23.58	23.53						
15	HQAM	1	37	23.39	23.49	23.41			24.5	1		
15	HQAM	1	74	23.39	23.52	23.46						
15	HQAM	36	0	22.40	22.53	22.49						
15	HQAM	36	20	22.32	22.49	22.39						
15	HQAM	36	39	22.32	22.43	22.26			23.5	2		
15	HQAM	75	0	22.33	22.46	22.46						
15	HQAM	1	0	22.48	22.51	22.49						
15	HQAM	1	37	22.34	22.51	22.47						
15	HQAM	1	74	22.30	22.49	22.47			22.5	3		
15	HQAM	36	0	21.34	21.41	21.45						
15	HQAM	36	20	21.36	21.49	21.38						
15	HQAM	36	39	21.34	21.41	21.45						
15	HQAM	75	0	21.32	21.52	21.40			20.5	5		
15	25QAM	1	0	19.45	19.57	19.46						
15	25QAM	1	37	19.35	19.53	19.49						
15	25QAM	1	74	19.34	19.55	19.44						
15	25QAM	36	0	19.45	19.54	19.50			20.5	5		
15	25QAM	36	20	19.44	19.56	19.49						
15	25QAM	36	39	19.43	19.52	19.45						
15	25QAM	75	0	19.40	19.58	19.47						
Channel												
Frequency (MHz)												
10	QPSK	1	0	24.40	24.53	24.35			25.5	0		
10	QPSK	1	25	24.29	24.50	24.36						
10	QPSK	1	49	24.35	24.46	24.39						
10	QPSK	25	0	23.43	23.42	23.32						
10	QPSK	25	12	23.34	23.42	23.32			24.5	1		
10	QPSK	25	25	23.29	23.44	23.31						
10	QPSK	50	0	23.32	23.44	23.36						
10	HQAM	1	0	23.38	23.49	23.47						
10	HQAM	1	25	23.35	23.46	23.31			24.5	1		
10	HQAM	1	49	23.35	23.46	23.35						
10	HQAM	25	0	22.34	22.49	22.37						
10	HQAM	25	12	22.29	22.45	22.35						
10	HQAM	25	25	22.35	22.48	22.32			23.5	2		
10	HQAM	50	0	22.32	22.42	22.45						
10	HQAM	1	0	22.48	22.48	22.38						
10	HQAM	1	25	22.34	22.45	22.32						
10	HQAM	1	49	22.30	22.40	22.25			22.5	3		
10	HQAM	25	0	21.37	21.47	21.45						
10	HQAM	25	12	21.38	21.56	21.45						
10	HQAM	25	25	21.29	21.35	21.44						
10	HQAM	50	0	21.22	21.43	21.36			20.5	5		
10	HQAM	1	0	19.45	19.54	19.44						
10	25QAM	1	25	19.27	19.49	19.45						
10	25QAM	1	49	19.33	19.52	19.42						
10	25QAM	12	0	19.35	19.46	19.41			20.5	5		
10	25QAM	12	13	19.35	19.50	19.41						
10	25QAM	25	0	19.35	19.51	19.44						
10	25QAM	25	0	19.34	19.45	19.35						

Band 66 Ant 4 DSI 4										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up Int. (dB)	MPE (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	18.10	18.17	18.14			19	0
20	QPSK	1	49	18.01	18.10	18.07				
20	QPSK	1	99	18.01	18.11	18.05				
20	QPSK	50	0	18.01	18.12	18.03				
20	QPSK	50	24	18.00	18.07	18.04				
20	QPSK	50	50	18.00	18.11	18.04				
20	QPSK	50	75	18.00	18.11	18.11				
20	HQAM	1	0	18.08	18.10	18.05				
20	HQAM	1	49	17.99	18.08	18.07			19	0
20	HQAM	1	99	17.99	18.08	17.99				
20	HQAM	50	0	17.95	18.02	17.99				
20	HQAM	50	24	17.95	18.02	17.96				
20	HQAM	50	50	18.00	17.91	18.00			19	0
20	HQAM	100	0	17.95	17.98	18.05				
20	HQAM	100	24	17.95	17.98	18.07				
20	HQAM	100	50	18.00	17.94	18.04				
20	HQAM	1	49	17.90	18.04	18.04				
20	HQAM	1	99	17.94	18.01	17.98				
20	HQAM	1	149	17.94	18.02	18.01				
20	HQAM	50	24	17.92	18.01	17.98				
20	HQAM	50	50	17.96	17.90	17.91				
20	HQAM	100	0	17.90	17.99	18.03				
20	HQAM	100	24	17.90	17.99	18.01				
20	HQAM	100	50	18.00	17.90	17.93				
20	HQAM	1	49	18.03	18.05	18.02			19	0
20	HQAM	1	99	17.98	18.00	17.98				
20	HQAM	50	0	17.94	18.01	17.96				
20	HQAM	50	24	17.90	17.94	18.05				
20	HQAM	50	50	17.92	17.95	17.98			19	0
20	HQAM	100	0	17.90	17.99	18.00				
20	HQAM	100	24	17.90	17.99	18.02				
20	HQAM	100	50	17.97	17.99	18.06				
Channel										
Frequency (MHz)										
15	QPSK	1	0	17.99	18.00	18.00			19	0
15	QPSK	1	49	17.92	18.00	18.03				
15	QPSK	1	74	17.93	17.99	18.03				
15	QPSK	1	99	17.93	18.01	17.94				
15	QPSK	36	20	17.93	17.99	18.00				
15	QPSK	36	59	17.93	17.93	17.97				
15	QPSK	36	92	17.94	18.01	17.99				
15	HQAM	1	0	18.04	18.04	17.93				
15	HQAM	1	37	17.91	17.96	17.93			19	0
15	HQAM	1	74	17.93	17.98	17.98				
15	HQAM	36	0	17.83	17.89	17.93				
15	HQAM	36	20	17.86	17.97	17.92				
15	HQAM	36	59	17.83	17.82	17.89				
15	HQAM	75	0	17.85	17.95	18.02				
15	HQAM	36	92	17.94	17.95	17.96				
15	HQAM	37	74	17.83	17.86	17.89			19	0
15	HQAM	1	74	17.90	17.91	17.84				
15	HQAM	36	0	17.85	17.93	17.89				
15	HQAM	36	20	17.88	17.90	17.90				
15	HQAM	36	59	17.88	17.77	17.85				
15	HQAM	75	0	17.80	17.87	17.94				
15	HQAM	1	74	17.83	17.86	17.87				
15	HQAM	37	74	17.82	18.02	17.91				
15	HQAM	36	74	17.81	17.86	17.86			19	0
15	HQAM	36	20	17.80	17.85	17.86				
15	HQAM	36	59	17.80	17.81	17.85				
15	HQAM	75	0	17.84	17.84	17.84				

Band 38 Ant 1 DSI 4											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)			
Channel				37650	38000	38150					
Frequency (MHz)				2580	2595	2610					
20	QPSK	1	0	19.53	19.54	19.43	20.5	0			
20	QPSK	1	49	19.43	19.44	19.34					
20	QPSK	1	99	19.45	19.51	19.35					
20	QPSK	50	0	19.42	19.51	19.33					
20	QPSK	50	24	19.48	19.41	19.41	20.5	0			
20	QPSK	50	50	19.45	19.44	19.39					
20	QPSK	100	0	19.42	19.47	19.37					
20	16QAM	1	0	19.43	19.45	19.40					
20	16QAM	1	49	19.34	19.37	19.23	20.5	0			
20	16QAM	1	99	19.31	19.41	19.30					
20	16QAM	50	0	19.32	19.47	19.25					
20	16QAM	50	24	19.36	19.32	19.30					
20	16QAM	50	50	19.35	19.32	19.31	20.5	0			
20	16QAM	100	0	19.40	19.45	19.32					
20	64QAM	1	0	19.40	19.44	19.31					
20	64QAM	1	49	19.37	19.33	19.22	20.5	0			
20	64QAM	1	99	19.38	19.37	19.28					
20	64QAM	50	0	19.39	19.41	19.24					
20	64QAM	50	24	19.38	19.35	19.36					
20	64QAM	50	50	19.34	19.38	19.28	20.5	0			
20	64QAM	100	0	19.38	19.36	19.33					
20	256QAM	1	0	18.54	18.51	18.47					
20	256QAM	1	49	18.45	18.40	18.31	19.5	1			
20	256QAM	1	99	18.41	18.53	18.32					
20	256QAM	50	0	18.39	18.54	18.35					
20	256QAM	50	24	18.49	18.46	18.43					
20	256QAM	50	50	18.42	18.47	18.43	19.5	1			
20	256QAM	100	0	18.44	18.51	18.32					
Channel				37625	38000	38175	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5					
15	QPSK	1	0	19.46	19.45	19.38	20.5	0			
15	QPSK	1	37	19.36	19.41	19.23					
15	QPSK	1	74	19.35	19.39	19.27					
15	QPSK	36	0	19.39	19.39	19.31					
15	QPSK	36	20	19.45	19.29	19.33	20.5	0			
15	QPSK	36	39	19.38	19.38	19.36					
15	QPSK	75	0	19.33	19.39	19.24					
15	16QAM	1	0	19.30	19.33	19.33					
15	16QAM	1	37	19.24	19.24	19.25	20.5	0			
15	16QAM	1	74	19.24	19.30	19.27					
15	16QAM	36	0	19.23	19.37	19.21					
15	16QAM	36	20	19.24	19.26	19.26					
15	16QAM	36	39	19.24	19.23	19.29	20.5	0			
15	16QAM	75	0	19.28	19.42	19.26					
15	64QAM	1	0	19.32	19.41	19.21					
15	64QAM	1	37	19.25	19.26	19.19					
15	64QAM	1	74	19.26	19.31	19.15	20.5	0			
15	64QAM	36	0	19.36	19.33	19.19					
15	64QAM	36	20	19.28	19.32	19.23					
15	64QAM	36	39	19.27	19.32	19.22					
15	64QAM	75	0	19.28	19.32	19.31	19.5	1			
15	256QAM	1	0	18.49	18.45	18.45					
15	256QAM	1	37	18.42	18.35	18.28					
15	256QAM	1	74	18.35	18.48	18.18					
15	256QAM	36	0	18.30	18.47	18.25	19.5	1			
15	256QAM	36	20	18.45	18.35	18.37					
15	256QAM	36	39	18.35	18.36	18.35					
15	256QAM	75	0	18.33	18.45	18.19					
Channel				37900	38000	38200	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				2575	2595	2615					
10	QPSK	1	0	19.43	19.50	19.40	20.5	0			
10	QPSK	1	25	19.31	19.32	19.28					
10	QPSK	1	49	19.36	19.45	19.22					
10	QPSK	25	0	19.28	19.39	19.24					
10	QPSK	25	12	19.40	19.37	19.28	20.5	0			
10	QPSK	25	25	19.41	19.41	19.28					
10	QPSK	50	0	19.32	19.38	19.31					
10	16QAM	1	0	19.32	19.41	19.34					
10	16QAM	1	25	19.25	19.34	19.16	20.5	0			
10	16QAM	1	49	19.26	19.33	19.24					
10	16QAM	25	0	19.23	19.34	19.12					
10	16QAM	25	12	19.31	19.19	19.25					
10	16QAM	25	25	19.24	19.18	19.24	20.5	0			
10	16QAM	50	0	19.35	19.32	19.27					
10	64QAM	1	0	19.30	19.36	19.20					
10	64QAM	1	25	19.27	19.29	19.09					
10	64QAM	1	49	19.30	19.35	19.22	20.5	0			
10	64QAM	25	0	19.28	19.28	19.14					
10	64QAM	25	12	19.26	19.27	19.26					
10	64QAM	25	25	19.30	19.35	19.20					
10	64QAM	50	0	19.32	19.25	19.30	19.5	1			
10	256QAM	1	0	18.50	18.48	18.37					
10	256QAM	1	25	18.43	18.37	18.25					
10	256QAM	1	49	18.30	18.47	18.27					
10	256QAM	25	0	18.32	18.43	18.28	19.5	1			
10	256QAM	25	12	18.37	18.36	18.39					
10	256QAM	25	25	18.37	18.36	18.32					
10	256QAM	50	0	18.38	18.37	18.23					
Channel				37775	38000	38225	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5					
5	QPSK	1	0	19.44	19.51	19.40	20.5	0			
5	QPSK	1	12	19.39	19.38	19.28					
5	QPSK	1	24	19.43	19.43	19.28					
5	QPSK	12	0	19.33	19.47	19.19					
5	QPSK	12	7	19.42	19.37	19.27	20.5	0			
5	QPSK	12	13	19.36	19.40	19.35					
5	QPSK	25	0	19.33	19.41	19.25					
5	16QAM	1	0	19.39	19.40	19.37					
5	16QAM	1	12	19.23	19.34	19.19	20.5	0			
5	16QAM	1	24	19.21	19.32	19.19					
5	16QAM	12	0	19.22	19.36	19.17					
5	16QAM	12	7	19.33	19.20	19.18					
5	16QAM	12	13	19.25	19.23	19.17	20.5	0			
5	16QAM	25	0	19.34	19.39	19.26					
5	64QAM	1	0	19.27	19.30	19.29					
5	64QAM	1	12	19.26	19.29	19.20	20.5	0			
5	64QAM	1	24	19.24	19.30	19.19					
5	64QAM	12	0	19.28	19.31	19.14					
5	64QAM	12	7	19.35	19.27	19.30					
5	64QAM	12	13	19.22	19.27	19.18	20.5	0			
5	64QAM	25	0	19.30	19.25	19.24					
5	256QAM	1	0	18.47	18.48	18.45					
5	256QAM	1	12	18.34	18.38	18.21	19.5	1			
5	256QAM	1	24	18.29	18.50	18.22					
5	256QAM	12	0	18.35	18.43	18.29					
5	256QAM	12	7	18.38	18.37	18.33					
5	256QAM	12	13	18.38	18.34	18.34	19.5	1			
5	256QAM	25	0	18.40	18.46	18.27					

Band 41 Ant 1 DSI 4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41500		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	20.55	20.51	20.64	20.60	20.52	21.5	0
20	QPSK	1	49	20.42	20.47	20.57	20.48	20.44		
20	QPSK	1	99	20.47	20.37	20.51	20.53	20.43		
20	QPSK	50	0	20.46	20.44	20.59	20.50	20.45		
20	QPSK	50	24	20.43	20.54	20.54	20.54	20.48	21.5	0
20	QPSK	50	50	20.50	20.49	20.56	20.53	20.46		
20	QPSK	100	0	20.51	20.40	20.52	20.52	20.39		
20	16QAM	1	0	20.50	20.37	20.56	20.50	20.49		
20	16QAM	1	49	20.37	20.35	20.48	20.40	20.35	21.5	0
20	16QAM	1	99	20.42	20.24	20.37	20.50	20.35		
20	16QAM	50	0	20.34	20.40	20.52	20.43	20.39		
20	16QAM	50	24	20.33	20.31	20.42	20.41	20.36		
20	16QAM	50	50	20.45	20.42	20.50	20.49	20.43	21.5	0
20	16QAM	100	0	20.37	20.36	20.44	20.44	20.31		
20	64QAM	1	0	20.52	20.40	20.55	20.56	20.44		
20	64QAM	1	49	20.36	20.45	20.56	20.47	20.35		
20	64QAM	1	99	20.36	20.31	20.42	20.41	20.30	21.5	0
20	64QAM	50	0	20.40	20.33	20.52	20.39	20.34		
20	64QAM	50	24	20.36	20.43	20.49	20.51	20.45		
20	64QAM	50	50	20.41	20.44	20.45	20.40	20.37		
20	64QAM	100	0	20.48	20.36	20.49	20.50	20.30	19.5	2
20	256QAM	1	0	18.54	18.47	18.60	18.54	18.47		
20	256QAM	1	49	18.38	18.52	18.52	18.46	18.45		
20	256QAM	1	99	18.50	18.31	18.49	18.56	18.42		
20	256QAM	50	0	18.40	18.41	18.54	18.55	18.42	19.5	2
20	256QAM	50	24	18.42	18.46	18.57	18.53	18.45		
20	256QAM	50	50	18.44	18.54	18.56	18.57	18.39		
20	256QAM	100	0	18.57	18.39	18.53	18.57	18.39		
Channel				39725 <th>40173<th>40620<th>41068<th>41515<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th></th></th></th>	40173 <th>40620<th>41068<th>41515<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th></th></th>	40620 <th>41068<th>41515<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th></th>	41068 <th>41515<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th>	41515 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th>	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5 <th>2548.3<th>2593<th>2637.8<th>2682.5<th></th><th></th></th></th></th></th>	2548.3 <th>2593<th>2637.8<th>2682.5<th></th><th></th></th></th></th>	2593 <th>2637.8<th>2682.5<th></th><th></th></th></th>	2637.8 <th>2682.5<th></th><th></th></th>	2682.5 <th></th> <th></th>		
15	QPSK	1	0	20.47	20.42	20.51	20.54	20.48	21.50	0
15	QPSK	1	37	20.42	20.36	20.51	20.55	20.36		
15	QPSK	1	74	20.37	20.46	20.46	20.46	20.34		
15	QPSK	36	0	20.34	20.31	20.49	20.40	20.31		
15	QPSK	36	20	20.40	20.37	20.43	20.52	20.38	21.5	0
15	QPSK	36	39	20.40	20.42	20.42	20.48	20.36		
15	QPSK	75	0	20.40	20.31	20.38	20.45	20.28		
15	16QAM	1	0	20.37	20.34	20.51	20.42	20.37		
15	16QAM	1	37	20.26	20.21	20.42	20.27	20.32	21.5	0
15	16QAM	1	74	20.31	20.15	20.35	20.47	20.23		
15	16QAM	36	0	20.26	20.26	20.49	20.34	20.28		
15	16QAM	36	20	20.31	20.27	20.35	20.35	20.26		
15	16QAM	36	39	20.34	20.34	20.46	20.45	20.31	21.5	0
15	16QAM	75	0	20.24	20.29	20.36	20.39	20.17		
15	64QAM	1	0	20.46	20.35	20.46	20.49	20.31		
15	64QAM	1	37	20.29	20.35	20.37	20.32	20.25		
15	64QAM	1	74	20.33	20.23	20.28	20.36	20.16	21.5	0
15	64QAM	36	0	20.29	20.23	20.38	20.30	20.24		
15	64QAM	36	20	20.31	20.35	20.40	20.47	20.43		
15	64QAM	36	39	20.37	20.38	20.33	20.33	20.33		
15	64QAM	75	0	20.45	20.25	20.43	20.46	20.20	19.5	2
15	256QAM	1	0	18.46	18.35	18.49	18.48	18.36		
15	256QAM	1	37	18.31	18.39	18.44	18.35	18.35		
15	256QAM	1	74	18.39	18.24	18.47	18.51	18.39		
15	256QAM	36	0	18.30	18.36	18.42	18.42	18.30	19.5	2
15	256QAM	36	20	18.30	18.37	18.52	18.45	18.42		
15	256QAM	36	39	18.37	18.51	18.48	18.40	18.50		
15	256QAM	75	0	18.49	18.34	18.41	18.45	18.27		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2637	2683		
10	QPSK	1	0	20.47	20.42	20.51	20.54	20.44	21.50	0
10	QPSK	1	25	20.39	20.42	20.44	20.44	20.31		
10	QPSK	1	49	20.37	20.24	20.40	20.41	20.30		
10	QPSK	25	0	20.33	20.40	20.51	20.43	20.36		
10	QPSK	25	12	20.33	20.40	20.43	20.51	20.41	21.5	0
10	QPSK	25	25	20.46	20.41	20.45	20.49	20.43		
10	QPSK	36	0	20.43	20.36	20.45	20.49	20.36		
10	16QAM	1	0	20.47	20.30	20.48	20.43	20.40		
10	16QAM	1	25	20.32	20.32	20.37	20.32	20.27	21.5	0
10	16QAM	1	49	20.32	20.13	20.23	20.41	20.29		
10	16QAM	25	0	20.31	20.30	20.49	20.38	20.32		
10	16QAM	25	12	20.24	20.26	20.33	20.37	20.25		
10	16QAM	25	25	20.33	20.29	20.38	20.36	20.39	21.5	0
10	16QAM	50	0	20.25	20.31	20.31	20.39	20.20		
10	64QAM	1	0	20.41	20.28	20.46	20.48	20.36		
10	64QAM	1	25	20.31	20.40	20.48	20.25	20.21		
10	64QAM	1	49	20.26	20.17	20.37	20.32	20.18	21.5	0
10	64QAM	25	0	20.32	20.20	20.36	20.36	20.21		
10	64QAM	25	12	20.33	20.40	20.37	20.48	20.33		
10	64QAM	25	25	20.29	20.35	20.42	20.28	20.25		
10	64QAM	50	0	20.40	20.24	20.46	20.41	20.23	19.5	2
10	256QAM	1	0	18.46	18.42	18.49	18.51	18.40		
10	256QAM	1	25	18.36	18.40	18.43	18.40	18.31		
10	256QAM	1	49	18.36	18.29	18.36	18.53	18.33		
10	256QAM	25	0	18.30	18.31	18.44	18.52	18.31	19.5	2
10	256QAM	25	12	18.38	18.42	18.45	18.39	18.42		
10	256QAM	25	25	18.41	18.44	18.46	18.45	18.39		
10	256QAM	50	0	18.53	18.32	18.45	18.52	18.32		
Channel				39713 <th>40174<th>40620</th><th>41089</th><th>41545</th><th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th>	40174 <th>40620</th> <th>41089</th> <th>41545</th> <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th>	40620	41089	41545	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5 <th>2545.8<th>2593<th>2640.30<th>2687.5</th><th></th><th></th></th></th></th>	2545.8 <th>2593<th>2640.30<th>2687.5</th><th></th><th></th></th></th>	2593 <th>2640.30<th>2687.5</th><th></th><th></th></th>	2640.30 <th>2687.5</th> <th></th> <th></th>	2687.5		
5	QPSK	1	0	20.44	20.47	20.51	20.56	20.49	21.50	0
5	QPSK	1	12	20.32	20.36	20.46	20.35	20.41		
5	QPSK	1	24	20.34	20.31	20.42	20.49	20.35		
5	QPSK	12	0	20.38	20.32	20.54	20.40	20.35		
5	QPSK	12	13	20.44	20.41	20.44	20.43	20.44	21.5	0
5	QPSK	25	0	20.45	20.37	20.43	20.47	20.42		
5	16QAM	1	0	20.44	20.28	20.54	20.42	20.39		
5	16QAM	1	12	20.25	20.28	20.38	20.31	20.24		
5	16QAM	1	24	20.35	20.36	20.46	20.37	20.30	21.5	0
5	16QAM	12	0	20.23	20.33	20.50	20.32	20.29		
5	16QAM	12	7	20.19	20.19	20.38	20.29	20.23		
5	16QAM	12	13	20.40	20.30	20.42	20.36	20.35		
5	16QAM	25	0	20.27	20.24	20.40	20.40	20.19	21.5	0
5	16QAM	1	0	20.47	20.29	20.46	20.43	20.41		
5	16QAM	1	12	20.30	20.34	20.49	20.26	20.25		
5	64QAM	1	24	20.27	20.28	20.32	20.28	20.28		
5	64QAM	12	0	20.34	20.23	20.44	20.34	20.25	21.5	0
5	64QAM	12	7	20.27	20.40	20.35	20.37	20.40		
5	64QAM	12	13	20.27	20.38	20.42	20.28	20.33		
5	256QAM	25	0	18.50	18.41	18.55	18.50	18.39		
5	256QAM	1	12	18.27	18.39	18.39	18.43	18.33	19.5	2
5	256QAM	1	24	18.41	18.20	18.43	18.48	18.39		
5	256QAM	12	0	18.28	18.28	18.47	18.44	18.29		
5	256QAM	12	7	18.29	18.41	18.48	18.46	18.37		
5	256QAM	25	0	18.49	18.49	18.46	18.46	18.42	19.5	2
5	256QAM	25	0	18.52	18.37	18.41	18.51	18.27		

Band 42 Part 27Q Ant 2 DSI 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				5460	3500	3540			
20	QPSK	1	0	19.06	19.15	19.09	20	0	
20	QPSK	1	49	18.96	19.10	18.99			
20	QPSK	1	99	18.96	19.06	19.02			
20	QPSK	50	0	18.05	18.18	18.04			
20	QPSK	50	24	17.97	18.09	18.00	19	1	
20	QPSK	50	50	17.95	18.10	18.07			
20	QPSK	100	0	18.11	18.15	18.14			
20	16QAM	1	0	18.11	18.14	18.05			
20	16QAM	1	49	18.03	18.16	18.04	19	1	
20	16QAM	1	99	17.96	18.03	18.01			
20	16QAM	50	0	17.07	17.16	17.09			
20	16QAM	50	24	17.01	17.06	17.01			
20	16QAM	50	50	16.97	17.05	17.13	18	2	
20	16QAM	100	0	17.09	17.20	17.13			
20	64QAM	1	0	17.07	17.18	17.00			
20	64QAM	1	49	17.06	17.22	17.08			
20	64QAM	1	99	17.01	17.02	17.03	18	2	
20	64QAM	50	0	16.02	16.16	15.98			
20	64QAM	50	24	16.03	16.12	16.02			
20	64QAM	50	50	15.92	16.12	16.12			
20	64QAM	100	0	16.11	16.16	16.15	17	3	
20	256QAM	1	0	14.07	14.14	14.04			
20	256QAM	1	49	13.92	14.06	13.99			
20	256QAM	1	99	13.93	14.12	14.01			
20	256QAM	50	0	14.06	14.17	14.16	15	5	
20	256QAM	50	24	14.06	14.18	14.03			
20	256QAM	50	50	14.02	14.20	14.02			
20	256QAM	100	0	13.92	14.06	14.01			
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3422.5	3500	3542.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	19.02	19.04	19.04			
15	QPSK	1	37	18.96	18.99	18.89	20	0	
15	QPSK	1	74	18.92	19.01	18.90			
15	QPSK	36	0	17.91	18.09	18.01			
15	QPSK	36	20	17.84	18.04	17.98			
15	QPSK	36	39	17.80	18.08	17.95	19	1	
15	QPSK	75	0	16.07	16.09	16.08			
15	16QAM	1	0	18.07	18.12	18.01			
15	16QAM	1	37	18.00	18.02	17.94			
15	16QAM	1	74	17.84	17.97	17.87	19	1	
15	16QAM	36	0	17.04	17.11	16.95			
15	16QAM	36	20	16.90	16.92	16.95			
15	16QAM	36	39	16.89	17.03	17.04			
15	16QAM	75	0	17.06	17.11	17.10	18	2	
15	64QAM	1	0	17.01	17.10	16.93			
15	64QAM	1	37	16.99	17.09	17.03			
15	64QAM	1	74	16.89	16.98	16.92			
15	64QAM	36	0	15.99	16.10	15.93	17	3	
15	64QAM	36	20	15.92	16.08	15.91			
15	64QAM	36	39	15.83	16.05	16.00			
15	64QAM	75	0	15.97	16.09	16.09			
15	256QAM	1	0	14.02	14.07	13.98	15	5	
15	256QAM	1	37	13.78	14.02	13.96			
15	256QAM	1	74	13.83	14.07	13.89			
15	256QAM	36	0	14.04	14.11	14.11			
15	256QAM	36	20	14.00	14.04	13.94	15	5	
15	256QAM	36	39	13.90	14.10	13.93			
15	256QAM	75	0	13.93	13.95	13.94			
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455	3500	3545	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	18.98	19.02	19.06			
10	QPSK	1	25	18.93	18.96	18.96	20	0	
10	QPSK	1	49	18.90	18.96	18.93			
10	QPSK	25	0	17.98	18.06	17.90			
10	QPSK	25	12	17.88	18.05	17.96			
10	QPSK	25	25	17.88	18.06	17.97	19	1	
10	QPSK	50	0	18.02	18.05	18.12			
10	16QAM	1	0	18.00	18.06	17.97			
10	16QAM	1	25	17.97	18.03	17.98			
10	16QAM	1	49	17.91	17.92	17.91	19	1	
10	16QAM	25	0	17.00	17.10	16.99			
10	16QAM	25	12	16.90	17.00	16.89			
10	16QAM	25	25	16.91	16.96	17.06			
10	16QAM	50	0	17.07	17.10	17.08	18	2	
10	64QAM	1	0	17.02	17.15	16.91			
10	64QAM	1	25	17.03	17.15	16.99			
10	64QAM	1	49	16.91	16.91	16.95			
10	64QAM	25	0	15.99	16.10	15.90	17	3	
10	64QAM	25	12	15.96	16.09	15.97			
10	64QAM	25	25	15.85	16.06	15.99			
10	64QAM	50	0	16.02	16.10	16.01			
10	256QAM	1	0	13.99	14.11	13.92	15	5	
10	256QAM	1	25	13.86	13.95	13.89			
10	256QAM	1	49	13.87	14.04	13.87			
10	256QAM	25	0	13.97	14.14	14.03			
10	256QAM	25	12	13.98	14.07	13.95	15	5	
10	256QAM	25	25	13.96	14.15	13.90			
10	256QAM	50	0	13.85	13.94	13.98			
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3500	3500	3500	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	19.00	19.05	18.98			
5	QPSK	1	12	18.93	19.01	18.96	20	0	
5	QPSK	1	24	18.86	18.99	18.96			
5	QPSK	12	0	17.94	18.13	17.98			
5	QPSK	12	7	17.88	18.02	17.88			
5	QPSK	12	13	17.86	18.00	17.95	19	1	
5	QPSK	25	0	18.01	18.12	18.08			
5	16QAM	1	0	18.06	18.10	17.94			
5	16QAM	1	12	17.89	18.11	18.01			
5	16QAM	1	24	17.87	17.97	17.95	19	1	
5	16QAM	12	0	17.03	17.03	16.99			
5	16QAM	12	7	16.97	17.03	16.90			
5	16QAM	12	13	16.88	17.00	17.04			
5	16QAM	25	0	17.00	17.12	17.07	18	2	
5	64QAM	1	0	16.96	17.10	16.91			
5	64QAM	1	12	16.96	17.16	17.02			
5	64QAM	1	24	16.92	16.92	16.96			
5	64QAM	12	0	15.99	16.11	15.91	17	3	
5	64QAM	12	7	15.90	16.05	15.95			
5	64QAM	12	13	15.88	16.05	16.00			
5	64QAM	25	0	15.97	16.06	16.01			
5	256QAM	1	0	14.02	14.06	13.90	15	5	
5	256QAM	1	12	13.79	14.04	13.99			
5	256QAM	1	24	13.86	14.09	13.88			
5	256QAM	12	0	13.92	14.08	14.05			
5	256QAM	12	7	13.99	14.14	13.98	15	5	
5	256QAM	12	13	13.97	14.13	13.97			
5	256QAM	25	0	13.85	13.94	13.97			

Band 48 Ant 2 DSI 4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Low Middle Ch. / Freq	Power High Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				55340	55830	56150	56640	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3560	3609	3641	3690			
20	QPSK	1	0	19.03	19.12	19.01	19.10	20	0	
20	QPSK	1	49	19.01	19.06	18.94	19.00			
20	QPSK	1	99	19.01	19.11	18.93	19.09			
20	QPSK	50	0	18.08	18.13	17.99	18.09	19	1	
20	QPSK	50	24	18.05	18.04	18.09	18.05			
20	QPSK	50	50	18.01	18.11	17.87	18.04			
20	QPSK	100	0	18.02	18.14	17.92	18.01	19	1	
20	16QAM	1	0	18.02	18.11	17.87	18.06			
20	16QAM	1	49	17.95	18.03	17.91	18.04			
20	16QAM	1	99	17.97	18.05	17.90	18.05	18	2	
20	16QAM	50	0	17.07	17.16	17.05	17.05			
20	16QAM	50	24	17.00	17.03	17.03	16.93			
20	16QAM	50	50	16.96	17.10	16.89	17.03	18	2	
20	16QAM	100	0	16.98	17.16	16.93	17.02			
20	64QAM	1	0	17.03	17.06	17.03	17.11			
20	64QAM	1	49	17.02	17.04	16.94	16.96	18	2	
20	64QAM	1	99	17.00	17.08	16.92	17.14			
20	64QAM	50	0	16.03	16.14	16.00	16.07			
20	64QAM	50	24	16.08	16.03	16.03	15.95	17	3	
20	64QAM	50	50	15.95	16.15	15.90	16.03			
20	64QAM	100	0	16.01	16.17	15.91	16.01			
20	256QAM	1	0	14.04	14.08	14.01	14.15	15	5	
20	256QAM	1	49	14.06	14.05	13.96	14.01			
20	256QAM	1	99	14.03	14.05	13.95	14.11			
20	256QAM	50	0	14.08	14.15	13.97	14.09	15	5	
20	256QAM	50	24	14.01	14.07	13.98	13.94			
20	256QAM	50	50	14.06	14.08	13.96	14.06			
20	256QAM	100	0	14.03	14.10	13.93	14.04	Channel	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				55315	55820	56160	56665			
15	QPSK	1	0	18.97	19.10	18.98	19.03	20	0	
15	QPSK	1	37	18.95	19.01	18.87	18.89			
15	QPSK	1	74	18.95	19.08	18.83	19.02			
15	QPSK	36	0	18.06	18.08	17.89	18.06	19	1	
15	QPSK	36	20	18.01	17.97	17.97	17.99			
15	QPSK	36	39	17.93	18.09	17.84	17.99			
15	QPSK	75	0	17.94	18.03	17.89	17.98	19	1	
15	16QAM	1	0	17.92	18.00	17.92	18.04			
15	16QAM	1	37	17.91	18.02	17.85	18.00			
15	16QAM	1	74	17.86	17.94	17.81	17.98	18	2	
15	16QAM	36	0	16.97	17.06	17.01	16.93			
15	16QAM	36	20	16.98	16.93	16.91	16.83			
15	16QAM	36	39	16.86	17.03	16.79	17.01	17	3	
15	16QAM	75	0	16.94	16.94	16.94	17.01			
15	16QAM	1	0	16.94	16.94	17.00	17.09			
15	64QAM	1	37	16.91	16.94	16.83	16.95	18	2	
15	64QAM	1	74	16.91	17.00	16.81	17.11			
15	64QAM	36	0	15.95	16.14	15.99	16.05			
15	64QAM	36	20	16.01	15.94	15.95	15.91	17	3	
15	64QAM	36	39	15.89	16.07	15.89	16.01			
15	64QAM	75	0	15.96	16.09	15.90	15.89			
15	256QAM	1	0	14.01	14.02	14.00	14.04	15	5	
15	256QAM	1	37	14.02	13.97	13.89	13.94			
15	256QAM	1	74	14.00	13.99	13.93	14.05			
15	256QAM	36	0	13.06	13.03	13.03	13.99	15	5	
15	256QAM	36	20	13.99	13.96	13.89	13.86			
15	256QAM	36	39	13.99	14.02	13.78	14.07			
15	256QAM	75	0	13.94	14.03	13.90	13.97	Channel	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				55290	55815	56165	56690			
10	QPSK	1	0	18.97	19.10	18.98	19.03	20	0	
10	QPSK	1	25	18.94	18.95	18.92	18.98			
10	QPSK	1	49	18.95	19.10	18.86	19.04			
10	QPSK	25	0	18.07	18.13	17.95	17.99	19	1	
10	QPSK	25	12	18.01	17.98	17.99	17.88			
10	QPSK	25	26	17.98	18.03	17.76	17.91			
10	16QAM	1	0	17.99	18.13	17.90	17.99	19	1	
10	16QAM	1	0	17.92	18.04	17.93	17.95			
10	16QAM	1	25	17.94	18.00	17.88	18.04			
10	16QAM	1	49	17.88	18.00	17.88	17.99	18	2	
10	16QAM	25	0	16.96	17.14	16.98	17.00			
10	16QAM	25	12	16.93	16.98	17.02	16.99			
10	16QAM	25	25	16.93	17.01	16.87	16.98	17	3	
10	16QAM	50	0	16.88	17.09	16.90	16.92			
10	64QAM	1	0	16.94	17.04	16.92	17.07			
10	64QAM	1	25	17.02	16.93	16.92	16.92	18	2	
10	64QAM	1	49	16.93	17.06	16.82	17.13			
10	64QAM	1	99	15.97	16.04	15.95	16.04			
10	64QAM	25	12	16.05	15.99	15.97	15.84	15	5	
10	64QAM	25	25	15.84	16.13	15.79	15.99			
10	64QAM	50	0	15.96	16.15	15.83	15.96			
10	256QAM	1	0	14.04	14.03	13.95	14.07	15	5	
10	256QAM	1	25	14.02	13.98	13.93	14.00			
10	256QAM	1	49	13.96	14.03	13.93	14.10			
10	256QAM	25	0	13.97	14.11	13.89	13.98	15	5	
10	256QAM	25	12	13.90	14.05	13.86	13.89			
10	256QAM	25	25	13.99	13.97	13.76	14.07			
10	256QAM	50	0	13.99	14.02	13.83	13.94	Channel	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5			
5	QPSK	1	0	18.93	19.11	18.96	19.07	20	0	
5	QPSK	1	12	18.98	18.94	18.93	18.96			
5	QPSK	1	24	18.97	19.06	18.89	19.03			
5	QPSK	12	0	18.03	18.12	17.93	18.04	19	1	
5	QPSK	12	6	17.95	17.98	17.81	17.88			
5	QPSK	12	13	17.95	18.01	17.76	17.94			
5	QPSK	25	0	17.92	18.12	17.82	17.95	19	1	
5	16QAM	1	0	17.91	18.00	17.92	18.06			
5	16QAM	1	12	17.86	17.92	17.81	18.02			
5	16QAM	1	24	17.87	18.02	17.81	18.02	18	2	
5	16QAM	12	0	16.96	17.06	17.04	16.97			
5	16QAM	12	7	16.99	16.98	16.96	16.83			
5	16QAM	12	13	16.91	17.10	16.85	17.03	18	2	
5	16QAM	25	0	16.90	17.05	16.81	16.96			
5	16QAM	1	0	16.95	17.04	16.92	17.11			
5	64QAM	1	12	17.01	16.96	16.84	16.86	17	3	
5	64QAM	1	24	16.98	17.03	16.92	17.04			
5	64QAM	12	0	15.98	16.03	15.94	15.98			
5	64QAM	12	7	16.00	15.94	15.97	15.84	15	5	
5	64QAM	12	13	15.87	16.08	15.81	15.99			
5	64QAM	25	0	15.96	16.16	15.95	16.05			
5	256QAM	1	0	13.93	13.94	13.98	14.15	15	5	
5	256QAM	1	12	14.05	13.98	13.95	13.94			
5	256QAM	1	24	13.99	13.94	13.85	14.03			
5	256QAM	12	0	14.01	14.07	13.94	14.03	15	5	
5	256QAM	12	7	13.97	14.05	13.94	13.84			
5	256QAM	12	13	14.00	13.98	13.86	13.99			
5	256QAM	25	0	14.03	14.09	13.83	14.02			

Band 38 Ant 3 DSI 4										
BW [MHz]	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)				37850	38000	38150				
				2580	2595	2610				
20	QPSK	1	0	20.47	20.49	20.43	21.5	0		
20	QPSK	1	49	20.45	20.39	20.37				
20	QPSK	1	99	20.38	20.37	20.29	21.5	0		
20	QPSK	50	0	20.40	20.47	20.41				
20	QPSK	50	24	20.38	20.38	20.38	21.5	0		
20	QPSK	50	50	20.42	20.44	20.33				
20	QPSK	100	0	20.34	20.41	20.37	21.5	0		
20	16QAM	1	0	20.40	20.38	20.31				
20	16QAM	1	49	20.35	20.27	20.29	21.5	0		
20	16QAM	1	99	20.35	20.27	20.21				
20	16QAM	50	0	20.27	20.33	20.35	21.5	0		
20	16QAM	50	24	20.31	20.33	20.34				
20	16QAM	50	50	20.38	20.37	20.27	21.5	0		
20	16QAM	100	0	20.26	20.37	20.29				
20	64QAM	1	0	20.41	20.40	20.34	21.5	0		
20	64QAM	1	49	20.39	20.28	20.25				
20	64QAM	1	99	20.28	20.33	20.23	21.5	0		
20	64QAM	50	0	20.26	20.39	20.39				
20	64QAM	50	24	20.34	20.33	20.32	21.5	0		
20	64QAM	50	50	20.29	20.36	20.21				
20	64QAM	100	0	20.29	20.31	20.31	19.5	2		
20	256QAM	1	0	18.47	18.47	18.39				
20	256QAM	1	49	18.45	18.35	18.32	19.5	2		
20	256QAM	1	99	18.33	18.37	18.34				
20	256QAM	50	0	18.44	18.48	18.37	19.5	2		
20	256QAM	50	24	18.44	18.34	18.36				
20	256QAM	50	50	18.46	18.42	18.38	21.5	0		
20	256QAM	100	0	18.36	18.38	18.32				
Channel Frequency (MHz)				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
				2577.5	2595	2612.5				
15	QPSK	1	0	20.41	20.37	20.40	21.5	0		
15	QPSK	1	37	20.32	20.29	20.31				
15	QPSK	1	74	20.27	20.27	20.21	21.5	0		
15	QPSK	36	0	20.29	20.41	20.31				
15	QPSK	36	20	20.35	20.24	20.29	21.5	0		
15	QPSK	36	39	20.39	20.39	20.21				
15	QPSK	75	0	20.26	20.30	20.29	21.5	0		
15	16QAM	1	0	20.34	20.28	20.29				
15	16QAM	1	37	20.31	20.14	20.21	21.5	0		
15	16QAM	1	74	20.33	20.19	20.19				
15	16QAM	36	0	20.23	20.27	20.26	21.5	0		
15	16QAM	36	20	20.27	20.29	20.22				
15	16QAM	36	39	20.33	20.25	20.17	21.5	0		
15	16QAM	75	0	20.18	20.27	20.16				
15	64QAM	1	0	20.32	20.34	20.23	21.5	0		
15	64QAM	1	37	20.36	20.16	20.12				
15	64QAM	1	74	20.16	20.28	20.18	21.5	0		
15	64QAM	36	0	20.15	20.28	20.30				
15	64QAM	36	20	20.22	20.29	20.25	21.5	0		
15	64QAM	36	39	20.23	20.34	20.18				
15	64QAM	75	0	20.26	20.28	20.22	19.5	2		
15	256QAM	1	0	18.42	18.38	18.29				
15	256QAM	1	37	18.42	18.31	18.25	19.5	2		
15	256QAM	1	74	18.27	18.34	18.26				
15	256QAM	36	0	18.32	18.44	18.33	19.5	2		
15	256QAM	36	20	18.32	18.20	18.31				
15	256QAM	36	39	18.43	18.37	18.32	21.5	0		
15	256QAM	75	0	18.24	18.38	18.27				
Channel Frequency (MHz)				37860	38000	38200	Tune-up limit (dBm)	MPR (dB)		
				2575	2595	2615				
10	QPSK	1	0	20.41	20.37	20.34	21.5	0		
10	QPSK	1	25	20.36	20.25	20.32				
10	QPSK	1	49	20.25	20.28	20.17	21.5	0		
10	QPSK	25	0	20.36	20.40	20.28				
10	QPSK	25	12	20.29	20.30	20.28	21.5	0		
10	QPSK	25	25	20.38	20.38	20.27				
10	QPSK	50	0	20.23	20.35	20.23	21.5	0		
10	16QAM	1	0	20.28	20.31	20.20				
10	16QAM	1	25	20.25	20.16	20.21	21.5	0		
10	16QAM	1	49	20.31	20.24	20.14				
10	16QAM	25	0	20.13	20.31	20.26	21.5	0		
10	16QAM	25	12	20.24	20.19	20.31				
10	16QAM	25	25	20.27	20.32	20.15	21.5	0		
10	16QAM	50	0	20.22	20.24	20.27				
10	64QAM	1	0	20.35	20.36	20.39	21.5	0		
10	64QAM	1	25	20.36	20.17	20.19				
10	64QAM	1	49	20.22	20.27	20.11	21.5	0		
10	64QAM	25	0	20.22	20.34	20.30				
10	64QAM	25	12	20.30	20.28	20.18	21.5	0		
10	64QAM	25	25	20.18	20.26	20.12				
10	64QAM	50	0	20.16	20.21	20.26	19.5	2		
10	256QAM	1	0	18.44	18.39	18.28				
10	256QAM	1	25	18.41	18.28	18.29	19.5	2		
10	256QAM	1	49	18.26	18.24	18.31				
10	256QAM	25	0	18.42	18.36	18.29	19.5	2		
10	256QAM	25	12	18.40	18.31	18.30				
10	256QAM	25	25	18.42	18.30	18.30	21.5	0		
10	256QAM	50	0	18.26	18.33	18.21				
Channel Frequency (MHz)				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
				2572.5	2595	2617.5				
5	QPSK	1	0	20.37	20.39	20.33	21.5	0		
5	QPSK	1	12	20.37	20.34	20.28				
5	QPSK	1	24	20.36	20.29	20.18	21.5	0		
5	QPSK	12	0	20.28	20.36	20.35				
5	QPSK	12	7	20.29	20.24	20.27	21.5	0		
5	QPSK	12	13	20.30	20.36	20.21				
5	QPSK	25	0	20.26	20.31	20.25	21.5	0		
5	16QAM	1	0	20.26	20.33	20.23				
5	16QAM	1	12	20.29	20.21	20.25	21.5	0		
5	16QAM	1	24	20.29	20.14	20.12				
5	16QAM	12	0	20.22	20.30	20.26	21.5	0		
5	16QAM	12	7	20.22	20.25	20.29				
5	16QAM	12	13	20.29	20.28	20.23	21.5	0		
5	16QAM	25	0	20.21	20.32	20.24				
5	64QAM	1	0	20.38	20.34	20.28	21.5	0		
5	64QAM	1	12	20.34	20.18	20.14				
5	64QAM	1	24	20.25	20.24	20.10	21.5	0		
5	64QAM	12	0	20.22	20.33	20.30				
5	64QAM	12	7	20.30	20.23	20.25	21.5	0		
5	64QAM	12	13	20.24	20.33	20.11				
5	64QAM	25	0	20.26	20.28	20.26	19.5	2		
5	256QAM	1	0	18.40	18.44	18.34				
5	256QAM	1	12	18.41	18.33	18.26	19.5	2		
5	256QAM	1	24	18.25	18.35	18.29				
5	256QAM	12	0	18.40	18.43	18.33	19.5	2		
5	256QAM	12	7	18.39	18.25	18.29				
5	256QAM	12	13	18.35	18.38	18.28	19.5	2		
5	256QAM	25	0	18.25	18.35	18.24				

Band 42 Part 27Q Ant 3 DSI 4										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				42190	42590	42990	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3460	3500	3540				
20	QPSK	1	0	20.46	20.47	20.22	21.5	0		
20	QPSK	1	49	20.42	20.41	20.19				
20	QPSK	1	99	20.42	20.46	20.19				
20	QPSK	50	0	19.47	19.47	19.21	20.5	1		
20	QPSK	50	24	19.44	19.42	19.20				
20	QPSK	50	50	19.46	19.42	19.20				
20	QPSK	100	0	19.37	19.41	19.16	20.5	1		
20	16QAM	1	0	19.41	19.41	19.19				
20	16QAM	1	49	19.46	19.47	19.19				
20	16QAM	1	99	19.46	19.50	19.23	19.5	2		
20	16QAM	50	0	18.51	18.45	18.26				
20	16QAM	50	24	18.41	18.43	18.25				
20	16QAM	50	50	18.46	18.44	18.24	19.5	2		
20	16QAM	100	0	18.38	18.36	18.19				
20	64QAM	1	0	18.38	18.43	18.08				
20	64QAM	1	49	18.32	18.35	18.13	19.5	2		
20	64QAM	1	99	18.37	18.35	18.08				
20	64QAM	50	0	17.35	17.41	17.16				
20	64QAM	50	24	17.29	17.39	17.12	18.5	3		
20	64QAM	50	50	17.35	17.34	17.16				
20	64QAM	100	0	17.22	17.38	17.03				
20	256QAM	1	0	15.40	15.43	15.27	16.5	5		
20	256QAM	1	49	15.37	15.42	15.24				
20	256QAM	1	99	15.39	15.42	15.23				
20	256QAM	50	0	15.37	15.39	15.05	16.5	5		
20	256QAM	50	24	15.37	15.33	15.16				
20	256QAM	50	50	15.40	15.30	15.16				
20	256QAM	100	0	15.27	15.32	15.08	Tune-up limit (dBm)	MPR (dB)		
Channel				3457.5	3500	3542.5				
Frequency (MHz)				42165 <td>42590</td> <td>43015</td> <th colspan="2"></th>	42590	43015				
15	QPSK	1	0	20.46	20.46	20.18	21.5	0		
15	QPSK	1	37	20.39	20.39	20.11				
15	QPSK	1	74	20.32	20.32	20.19				
15	QPSK	36	0	19.46	19.45	19.20	20.5	1		
15	QPSK	36	20	19.39	19.32	19.12				
15	QPSK	36	39	19.41	19.34	19.09				
15	QPSK	75	0	19.28	19.40	19.06	20.5	1		
15	16QAM	1	0	19.41	19.40	19.14				
15	16QAM	1	37	19.42	19.39	19.17				
15	16QAM	1	74	19.36	19.47	19.19	19.5	2		
15	16QAM	36	0	18.41	18.41	18.25				
15	16QAM	36	20	18.29	18.39	18.19				
15	16QAM	36	39	18.37	18.34	18.21	19.5	2		
15	16QAM	75	0	18.27	18.32	18.14				
15	64QAM	1	0	18.28	18.36	18.01				
15	64QAM	1	37	18.30	18.30	18.02	19.5	2		
15	64QAM	1	74	18.36	18.28	18.07				
15	64QAM	36	0	17.26	17.32	17.08				
15	64QAM	36	20	17.25	17.27	17.04	18.5	3		
15	64QAM	36	39	17.27	17.31	17.05				
15	64QAM	75	0	17.13	17.26	17.00				
15	256QAM	1	0	15.31	15.37	15.24	16.5	5		
15	256QAM	1	37	15.27	15.37	15.18				
15	256QAM	1	74	15.32	15.34	15.12				
15	256QAM	36	0	15.33	15.33	15.22	16.5	5		
15	256QAM	36	20	15.33	15.22	15.07				
15	256QAM	36	39	15.40	15.27	15.07				
15	256QAM	75	0	15.24	15.23	15.00	Tune-up limit (dBm)	MPR (dB)		
Channel				42140	42590	43040				
Frequency (MHz)				3455	3500	3545 <th colspan="2"></th>				
10	QPSK	1	0	20.38	20.42	20.16	21.5	0		
10	QPSK	1	25	20.31	20.31	20.15				
10	QPSK	1	49	20.33	20.43	20.12				
10	QPSK	25	0	19.41	19.38	19.18	20.5	1		
10	QPSK	25	12	19.41	19.37	19.21				
10	QPSK	25	25	19.36	19.41	19.11				
10	QPSK	50	0	19.27	19.39	19.06	20.5	1		
10	16QAM	1	0	19.40	19.33	19.17				
10	16QAM	1	25	19.39	19.36	19.14				
10	16QAM	1	49	19.35	19.48	19.16	19.5	2		
10	16QAM	25	0	18.41	18.39	18.17				
10	16QAM	25	12	18.40	18.40	18.18				
10	16QAM	25	25	18.44	18.38	18.15	19.5	2		
10	16QAM	50	0	18.29	18.36	18.12				
10	64QAM	1	0	18.28	18.35	18.00				
10	64QAM	1	25	18.29	18.29	18.02	18.5	3		
10	64QAM	1	49	18.29	18.28	18.02				
10	64QAM	25	0	17.35	17.37	17.07				
10	64QAM	25	12	17.17	17.25	17.04	18.5	3		
10	64QAM	25	25	17.27	17.30	17.14				
10	64QAM	50	0	17.13	17.24	16.96				
10	256QAM	1	0	15.37	15.40	15.15	16.5	5		
10	256QAM	1	25	15.27	15.32	15.18				
10	256QAM	1	49	15.32	15.34	15.19				
10	256QAM	25	0	15.33	15.29	14.99	16.5	5		
10	256QAM	25	12	15.36	15.21	15.13				
10	256QAM	25	25	15.32	15.24	15.09				
10	256QAM	50	0	15.25	15.26	15.00	Tune-up limit (dBm)	MPR (dB)		
Channel				42115	42590	43065 <th colspan="2" rowspan="2"></th>				
Frequency (MHz)				3452.5	3500	3547.5 <th colspan="2"></th>				
5	QPSK	1	0	20.42	20.43	20.22	21.5	0		
5	QPSK	1	12	20.38	20.33	20.11				
5	QPSK	1	24	20.39	20.34	20.09				
5	QPSK	12	0	19.43	19.37	19.17	20.5	1		
5	QPSK	12	7	19.41	19.38	19.13				
5	QPSK	12	13	19.40	19.35	19.10				
5	QPSK	25	0	19.29	19.32	19.09	20.5	1		
5	16QAM	1	0	19.37	19.34	19.08				
5	16QAM	1	12	19.42	19.44	19.19				
5	16QAM	1	24	19.42	19.40	19.13	19.5	2		
5	16QAM	12	0	18.47	18.40	18.23				
5	16QAM	12	7	18.30	18.42	18.22				
5	16QAM	12	13	18.37	18.43	18.12	19.5	2		
5	16QAM	25	0	18.31	18.30	18.08				
5	64QAM	1	0	18.36	18.41	18.02				
5	64QAM	1	12	18.23	18.27	18.06	19.5	2		
5	64QAM	1	24	18.30	18.25	18.04				
5	64QAM	12	0	17.26	17.41	17.10				
5	64QAM	12	7	17.23	17.19	17.01	18.5	3		
5	64QAM	12	13	17.33	17.24	17.09				
5	64QAM	25	0	17.16	17.24	17.04				
5	256QAM	1	0	15.32	15.33	15.16	16.5	5		
5	256QAM	1	12	15.26	15.38	15.22				
5	256QAM	1	24	15.37	15.34	15.17				
5	256QAM	12	0	15.37	15.27	15.02	16.5	5		
5	256QAM	12	7	15.25	15.29	15.16				
5	256QAM	12	13	15.33	15.38	15.19				
5	256QAM	25	0	15.22	15.24	15.06	16.5	5		

Band 38 Ant 4 DSI 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				37650	38000	38150	20.5	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	19.12	19.19	19.07	20.5	0	
20	QPSK	1	49	19.08	19.17	19.03			
20	QPSK	1	99	18.98	19.05	18.98			
20	QPSK	50	0	19.09	19.13	18.96			
20	QPSK	50	24	18.98	19.17	18.94			
20	QPSK	50	50	19.09	19.06	18.94	20.5	0	
20	QPSK	100	0	18.99	19.08	19.01			
20	16QAM	1	0	19.06	19.06	18.96			
20	16QAM	1	49	19.03	19.06	18.92			
20	16QAM	1	99	18.86	19.00	18.91			
20	16QAM	50	0	19.05	19.08	18.90	20.5	0	
20	16QAM	50	24	18.92	19.14	18.97			
20	16QAM	50	50	18.99	18.92	18.84			
20	16QAM	100	0	18.94	18.98	18.90			
20	64QAM	1	0	19.07	19.07	18.99			
20	64QAM	1	49	19.03	19.07	19.00	20.5	0	
20	64QAM	1	99	18.85	18.97	18.87			
20	64QAM	50	0	19.00	19.06	18.85			
20	64QAM	50	24	18.91	19.13	18.89			
20	64QAM	50	50	18.97	18.95	18.88			
20	64QAM	100	0	18.94	18.97	18.92	19.5	1	
20	256QAM	1	0	18.08	18.18	18.11			
20	256QAM	1	49	18.13	18.20	18.03			
20	256QAM	1	99	18.03	18.01	17.94			
20	256QAM	50	0	18.05	18.14	17.90			
20	256QAM	50	24	17.93	18.13	17.97	19.5	1	
20	256QAM	50	50	18.15	18.08	17.88			
20	256QAM	100	0	18.05	18.09	17.98			
Channel				37625	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				25775	25950	26125			
15	QPSK	1	0	19.01	19.09	18.98	20.5	0	
15	QPSK	1	37	18.98	19.07	18.92			
15	QPSK	1	74	18.88	18.92	18.91			
15	QPSK	36	0	19.00	19.01	18.85			
15	QPSK	36	20	18.94	19.13	18.90			
15	QPSK	36	39	18.95	18.95	18.90	20.5	0	
15	QPSK	75	0	18.96	19.01	18.93			
15	16QAM	1	0	18.96	18.96	18.93			
15	16QAM	1	37	18.99	18.96	18.80			
15	16QAM	1	74	18.76	18.87	18.79			
15	16QAM	36	0	18.97	19.02	18.84	20.5	0	
15	16QAM	36	20	18.87	19.05	18.89			
15	16QAM	36	39	18.91	18.83	18.76			
15	16QAM	75	0	18.83	18.94	18.86			
15	64QAM	1	0	18.96	18.95	18.92			
15	64QAM	1	37	18.95	19.04	18.93	20.5	0	
15	64QAM	1	74	18.83	18.88	18.78			
15	64QAM	36	0	18.95	19.02	18.77			
15	64QAM	36	20	18.87	19.09	18.82			
15	64QAM	36	39	18.93	18.87	18.77			
15	64QAM	75	0	18.90	18.86	18.78	19.5	1	
15	256QAM	1	0	18.02	18.12	18.08			
15	256QAM	1	37	18.05	18.13	18.00			
15	256QAM	1	74	17.94	17.91	17.84			
15	256QAM	36	0	17.91	18.06	17.83			
15	256QAM	36	20	17.85	18.09	17.84	19.5	1	
15	256QAM	36	39	18.05	18.04	17.82			
15	256QAM	75	0	17.96	18.04	17.91			
Channel				37600	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				25750	25950	26150			
10	QPSK	1	0	19.08	19.05	19.01	20.5	0	
10	QPSK	1	25	18.95	19.08	18.98			
10	QPSK	1	49	18.90	19.00	18.90			
10	QPSK	25	0	18.98	19.05	18.89			
10	QPSK	25	12	18.90	19.08	18.93			
10	QPSK	25	25	19.02	19.00	18.92	20.5	0	
10	QPSK	50	0	18.89	18.95	18.87			
10	16QAM	1	0	19.03	19.00	18.86			
10	16QAM	1	25	18.96	18.95	18.80			
10	16QAM	1	49	18.72	18.86	18.86			
10	16QAM	25	0	18.96	19.02	18.79	20.5	0	
10	16QAM	25	12	18.80	19.10	18.89			
10	16QAM	25	25	18.88	18.83	18.79			
10	16QAM	50	0	18.85	18.85	18.82			
10	64QAM	1	0	19.02	18.96	18.93			
10	64QAM	1	25	18.95	18.98	18.88	20.5	0	
10	64QAM	1	49	18.72	18.87	18.73			
10	64QAM	25	0	18.87	18.94	18.75			
10	64QAM	25	12	18.85	19.08	18.75			
10	64QAM	25	25	18.87	18.86	18.78			
10	64QAM	50	0	18.91	18.86	18.80	19.5	1	
10	256QAM	1	0	17.97	18.16	18.05			
10	256QAM	1	25	18.03	18.12	17.94			
10	256QAM	1	49	17.93	17.88	17.86			
10	256QAM	25	0	17.99	18.12	17.78			
10	256QAM	25	12	17.81	18.05	17.90	19.5	1	
10	256QAM	25	25	18.10	17.99	17.85			
10	256QAM	50	0	17.95	18.01	17.93			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				25725	25950	26175			
5	QPSK	1	0	19.09	19.10	19.05	20.5	0	
5	QPSK	1	12	18.98	19.13	18.89			
5	QPSK	1	24	18.96	19.00	18.93			
5	QPSK	12	0	18.98	19.09	18.92			
5	QPSK	12	7	18.96	19.13	18.93			
5	QPSK	12	13	19.07	19.00	18.91	20.5	0	
5	QPSK	25	0	18.95	18.94	18.88			
5	16QAM	1	0	18.95	19.00	18.91			
5	16QAM	1	12	18.98	18.93	18.87			
5	16QAM	1	24	18.83	18.96	18.78			
5	16QAM	12	0	18.97	19.03	18.76	20.5	0	
5	16QAM	12	7	18.88	19.05	18.85			
5	16QAM	12	13	18.86	18.88	18.79			
5	16QAM	25	0	18.87	18.89	18.78			
5	64QAM	1	0	18.99	18.97	18.96			
5	64QAM	1	12	18.91	19.05	18.88	20.5	0	
5	64QAM	1	24	18.79	18.84	18.82			
5	64QAM	12	0	18.94	19.02	18.81			
5	64QAM	12	7	18.82	19.07	18.85			
5	64QAM	12	13	18.88	18.92	18.78			
5	64QAM	25	0	18.84	18.87	18.89	19.5	1	
5	256QAM	1	0	17.96	18.11	17.98			
5	256QAM	1	12	18.08	18.16	17.90			
5	256QAM	1	24	18.00	17.94	17.88			
5	256QAM	12	0	17.97	18.11	17.77			
5	256QAM	12	7	17.80	18.09	17.90	19.5	1	
5	256QAM	12	13	18.02	18.02	17.75			
5	256QAM	25	0	18.02	18.04	17.92			

Band 41 Ant 4 DSI 4										
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	41060	41495	20.5	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	19.18	19.14	19.24	19.12	19.17	20.5	0
20	QPSK	1	49	19.12	19.18	19.20	19.05	19.12		
20	QPSK	1	99	19.00	19.03	19.09	19.02	19.05		
20	QPSK	50	0	19.11	19.18	19.13	19.02	19.08	20.5	0
20	QPSK	50	24	19.10	19.05	19.13	19.09	19.05		
20	QPSK	50	50	19.02	19.16	19.10	19.95	19.07		
20	QPSK	100	0	19.06	19.05	19.17	19.04	19.15	20.5	0
20	16QAM	1	0	19.00	19.11	19.06	19.07	19.03		
20	16QAM	1	49	19.09	19.11	19.10	18.99	19.09		
20	16QAM	1	99	19.00	18.96	19.04	18.90	19.02	20.5	0
20	16QAM	50	0	19.17	19.09	19.17	19.00	19.13		
20	16QAM	50	24	19.18	19.00	19.21	19.08	19.15		
20	16QAM	50	50	18.92	19.03	18.94	18.87	18.91	20.5	0
20	16QAM	100	0	19.05	19.04	19.08	18.95	19.04		
20	64QAM	1	0	19.03	19.08	19.12	19.06	19.04		
20	64QAM	1	49	19.00	19.04	19.07	19.07	19.06	20.5	0
20	64QAM	1	99	18.93	18.96	19.02	18.87	18.96		
20	64QAM	50	0	19.09	19.07	19.09	18.91	19.02		
20	64QAM	50	24	19.15	19.01	19.18	18.92	19.14	20.5	0
20	64QAM	50	50	18.93	19.07	19.03	18.92	18.93		
20	64QAM	100	0	18.91	19.02	19.00	18.92	19.00		
20	256QAM	1	0	18.29	18.17	18.28	18.17	18.24	19.5	1
20	256QAM	1	49	18.18	18.16	18.28	18.07	18.26		
20	256QAM	1	99	18.08	18.12	18.09	17.95	18.10		
20	256QAM	50	0	18.10	18.11	18.17	17.90	18.15	19.5	1
20	256QAM	50	24	18.13	17.97	18.15	17.98	18.07		
20	256QAM	50	50	18.08	18.23	18.12	17.96	18.09		
20	256QAM	100	0	18.05	18.09	18.11	18.06	18.00	19.5	1
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	19.09	19.09	19.20	19.11	19.11	20.50	0
15	QPSK	1	37	19.01	19.14	19.14	19.05	19.12		
15	QPSK	1	74	18.90	18.96	19.00	18.93	19.00		
15	QPSK	36	0	19.07	19.15	19.07	19.96	19.09	20.5	0
15	QPSK	36	20	19.04	19.01	19.11	18.94	19.00		
15	QPSK	36	39	18.94	19.15	19.00	18.94	19.08		
15	QPSK	75	0	18.97	19.04	19.13	18.98	19.10	20.5	0
15	16QAM	1	0	18.91	19.03	19.01	19.02	18.92		
15	16QAM	1	37	19.06	19.04	19.03	18.97	19.07		
15	16QAM	1	74	18.93	18.97	19.01	18.81	18.98	20.5	0
15	16QAM	36	0	19.13	19.07	19.18	18.80	19.05		
15	16QAM	36	20	19.11	18.96	19.14	19.00	19.14		
15	16QAM	36	39	18.83	18.94	18.85	18.87	18.81	20.5	0
15	64QAM	75	0	18.96	18.96	19.07	18.96	19.05		
15	64QAM	1	0	19.07	19.05	19.10	19.03	18.94		
15	64QAM	1	37	18.97	18.98	18.97	19.00	18.98	20.5	0
15	64QAM	1	74	18.90	18.94	18.98	18.77	18.91		
15	64QAM	36	0	19.06	19.05	19.07	18.84	19.00		
15	64QAM	36	20	19.06	18.96	19.14	18.85	19.14	20.5	0
15	64QAM	36	39	18.90	19.03	19.00	18.92	18.92		
15	64QAM	75	0	18.80	19.00	18.96	18.87	18.97		
15	256QAM	1	0	18.19	18.12	18.21	18.07	18.18	19.5	1
15	256QAM	1	37	18.18	18.08	18.18	17.99	18.24		
15	256QAM	1	74	17.98	18.05	18.00	17.85	18.02		
15	256QAM	36	0	19.03	19.09	19.11	19.02	19.13	19.5	1
15	256QAM	36	20	18.07	17.94	18.08	17.98	18.07		
15	256QAM	36	39	18.01	18.12	18.10	17.96	18.01		
15	256QAM	75	0	18.02	17.99	18.09	18.06	17.90	19.5	1
Channel				39700 <th>40160<th>40620<th>41080<th>41540</th><th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th></th></th>	40160 <th>40620<th>41080<th>41540</th><th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th></th>	40620 <th>41080<th>41540</th><th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th>	41080 <th>41540</th> <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th>	41540		
Frequency (MHz)				2501 <th>2547<th>2593<th>2639<th>2685</th><th></th><th></th></th></th></th>	2547 <th>2593<th>2639<th>2685</th><th></th><th></th></th></th>	2593 <th>2639<th>2685</th><th></th><th></th></th>	2639 <th>2685</th> <th></th> <th></th>	2685		
10	QPSK	1	0	19.14	19.06	19.14	19.09	19.14	20.50	0
10	QPSK	1	25	19.06	19.10	19.11	19.03	19.13		
10	QPSK	1	49	18.94	19.02	19.03	19.00	18.97		
10	QPSK	25	0	19.07	19.09	19.09	19.01	19.01	20.5	0
10	QPSK	25	12	19.05	19.02	19.10	18.98	19.07		
10	QPSK	25	25	18.94	19.16	19.05	18.96	19.03		
10	QPSK	50	0	19.03	19.00	19.15	19.01	19.15	20.5	0
10	16QAM	1	0	18.96	19.03	19.00	19.06	18.96		
10	16QAM	1	25	19.06	19.10	19.10	18.90	19.01		
10	16QAM	1	49	18.92	18.77	19.01	18.89	18.91	20.5	0
10	16QAM	25	0	19.09	19.01	19.16	18.86	18.94		
10	16QAM	25	12	19.18	18.98	19.15	19.06	19.07		
10	16QAM	25	25	18.86	19.00	18.85	18.81	18.92	20.5	0
10	16QAM	50	0	19.04	19.04	19.04	19.00	18.95		
10	64QAM	1	0	19.01	19.08	19.03	19.07	19.04		
10	64QAM	1	25	18.93	18.94	19.06	19.03	18.90	20.5	0
10	64QAM	1	49	18.86	18.89	19.02	18.84	18.91		
10	64QAM	1	99	19.03	19.05	19.05	18.83	18.91		
10	64QAM	25	12	19.10	18.93	19.08	18.89	19.11	20.5	0
10	64QAM	25	25	18.88	19.04	19.02	18.92	18.83		
10	64QAM	50	0	18.89	18.99	18.92	18.86	18.91		
10	256QAM	1	0	18.29	18.07	18.18	18.14	18.23	19.5	1
10	256QAM	1	25	18.09	18.07	18.24	17.97	18.09		
10	256QAM	1	49	18.06	18.01	17.96	17.89	18.07		
10	256QAM	25	0	18.05	18.05	18.18	17.86	18.08	19.5	1
10	256QAM	25	12	18.11	17.95	18.16	17.91	18.02		
10	256QAM	25	25	18.06	18.23	18.01	17.95	18.02		
10	256QAM	50	0	17.96	18.01	18.08	18.06	17.90	19.5	1
Channel				39700	40160	40620	41080	41540		
Frequency (MHz)				2498.5	2544.8	2593	2640.30	2687.5		
5	QPSK	1	0	19.14	19.09	19.15	19.13	19.07	20.50	0
5	QPSK	1	12	19.10	19.17	19.10	19.04	19.12		
5	QPSK	1	24	18.92	18.93	19.03	19.00	19.06		
5	QPSK	12	0	19.02	19.09	19.05	19.00	19.01	20.5	0
5	QPSK	12	13	19.08	19.01	19.15	19.02	19.06		
5	QPSK	25	0	18.91	19.10	19.11	18.84	19.03		
5	QPSK	25	0	19.03	18.96	19.17	19.00	19.11	20.5	0
5	16QAM	1	0	18.99	19.05	18.96	19.02	19.03		
5	16QAM	1	12	19.04	19.03	19.08	18.99	19.02		
5	16QAM	1	24	18.95	18.98	19.08	18.84	18.90	20.5	0
5	16QAM	12	0	19.15	19.00	19.08	18.89	19.11		
5	16QAM	12	7	19.17	18.92	19.19	19.05	19.08		
5	16QAM	12	13	18.87	18.96	18.91	18.87	18.89	20.5	0
5	16QAM	25	0	19.04	18.98	18.99	18.92	18.99		
5	64QAM	1	0	19.02	19.02	19.01	19.03	19.01		
5	64QAM	1	12	18.94	18.96	19.07	19.01	18.93	20.5	0
5	64QAM	1	24	18.85	18.92	19.02	18.84	18.86		
5	64QAM	12	0	19.08	19.03	19.04	18.81	18.93		
5	64QAM	12	7	19.11	18.96	19.09	18.91	19.10	20.5	0
5	64QAM	12	13	18.88	19.04	18.96	18.89	18.85		
5	64QAM	25	0	18.94	18.98	19.08	18.92	18.90		
5	256QAM	1	0	18.27	18.18	18.17	18.10	18.23	19.5	1
5	256QAM	1	12	18.13	18.14	18.20	18.05	18.19		
5	256QAM	1	24	17.98	18.02	18.00	17.87	18.09		
5	256QAM	12	0	18.04	18.06	18.07	17.85	18.15	19.5	1
5	256QAM	12	7	18.13	17.94	18.16	17.93	17.99		
5	256QAM	12	13	18.08	18.13	18.17	17.93	17.98		
5	256QAM	25	0	18.00	17.99	18.04	18.05	17.95		

Band 42 Part 27Q Ant 5 DSI 4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				42190	42590	42990				
Frequency (MHz)				3460	3500	3540				
20	QPSK	1	0	21.55	21.61	21.51	22.5	0		
20	QPSK	1	49	21.43	21.58	21.37				
20	QPSK	1	99	21.49	21.56	21.44	22.5	0		
20	QPSK	50	0	21.48	21.57	21.37				
20	QPSK	50	24	21.43	21.48	21.38	22.5	0		
20	QPSK	50	50	21.52	21.49	21.37				
20	QPSK	100	0	21.45	21.54	21.47	22.5	0		
20	16QAM	1	0	21.49	21.53	21.47				
20	16QAM	1	49	21.32	21.51	21.33	22.5	0		
20	16QAM	1	99	21.35	21.47	21.38				
20	16QAM	50	0	21.38	21.50	21.31	22.5	0		
20	16QAM	50	24	21.32	21.38	21.35				
20	16QAM	50	50	21.40	21.41	21.23	22.5	0		
20	16QAM	100	0	21.40	21.50	21.41				
20	64QAM	1	0	21.41	21.49	21.48	22.5	0		
20	64QAM	1	49	21.40	21.56	21.24				
20	64QAM	1	99	21.43	21.49	21.37	22.5	0		
20	64QAM	50	0	21.41	21.51	21.26				
20	64QAM	50	24	21.38	21.43	21.33	22.5	0		
20	64QAM	50	50	21.47	21.42	21.26				
20	64QAM	100	0	21.40	21.46	21.40	20.5	2		
20	256QAM	1	0	19.54	19.65	19.49				
20	256QAM	1	49	19.47	19.64	19.40	20.5	2		
20	256QAM	1	99	19.47	19.54	19.41				
20	256QAM	50	0	19.46	19.54	19.35	20.5	2		
20	256QAM	50	24	19.46	19.45	19.36				
20	256QAM	50	50	19.54	19.45	19.42	20.5	2		
20	256QAM	100	0	19.42	19.58	19.51				
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3457.5	3500	3542.5				
15	QPSK	1	0	21.43	21.57	21.46	22.5	0		
15	QPSK	1	37	21.38	21.44	21.23				
15	QPSK	1	74	21.41	21.52	21.41	22.5	0		
15	QPSK	36	0	21.46	21.52	21.23				
15	QPSK	36	20	21.34	21.36	21.34	22.5	0		
15	QPSK	36	39	21.46	21.35	21.30				
15	QPSK	75	0	21.37	21.45	21.36	22.5	0		
15	16QAM	1	0	21.35	21.42	21.44				
15	16QAM	1	37	21.23	21.38	21.20	22.5	0		
15	16QAM	1	74	21.25	21.39	21.26				
15	16QAM	36	0	21.35	21.42	21.27	22.5	0		
15	16QAM	36	20	21.27	21.27	21.26				
15	16QAM	36	39	21.37	21.34	21.16	22.5	0		
15	16QAM	75	0	21.26	21.38	21.30				
15	64QAM	1	0	21.28	21.36	21.42	22.5	0		
15	64QAM	1	37	21.27	21.44	21.15				
15	64QAM	1	74	21.40	21.38	21.33	22.5	0		
15	64QAM	36	0	21.28	21.37	21.18				
15	64QAM	36	20	21.31	21.32	21.20	22.5	0		
15	64QAM	36	39	21.38	21.28	21.16				
15	64QAM	75	0	21.31	21.40	21.34	20.5	2		
15	256QAM	1	0	19.44	19.51	19.38				
15	256QAM	1	37	19.44	19.60	19.34	20.5	2		
15	256QAM	1	74	19.37	19.40	19.27				
15	256QAM	36	0	19.43	19.50	19.28	20.5	2		
15	256QAM	36	20	19.37	19.34	19.24				
15	256QAM	36	39	19.46	19.39	19.39	20.5	2		
15	256QAM	75	0	19.29	19.48	19.48				
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3455	3500	3545				
10	QPSK	1	0	21.46	21.52	21.38	22.5	0		
10	QPSK	1	25	21.41	21.45	21.31				
10	QPSK	1	49	21.46	21.51	21.41	22.5	0		
10	QPSK	25	0	21.41	21.49	21.28				
10	QPSK	25	12	21.32	21.38	21.35	22.5	0		
10	QPSK	25	25	21.38	21.42	21.27				
10	QPSK	50	0	21.40	21.49	21.36	22.5	0		
10	16QAM	1	0	21.40	21.49	21.43				
10	16QAM	1	25	21.27	21.41	21.28	22.5	0		
10	16QAM	1	49	21.24	21.38	21.27				
10	16QAM	25	0	21.31	21.36	21.27	22.5	0		
10	16QAM	25	12	21.19	21.26	21.30				
10	16QAM	25	25	21.31	21.35	21.12	22.5	0		
10	16QAM	50	0	21.36	21.42	21.36				
10	64QAM	1	0	21.31	21.45	21.38	22.5	0		
10	64QAM	1	25	21.28	21.42	21.18				
10	64QAM	1	49	21.34	21.43	21.24	22.5	0		
10	64QAM	25	0	21.30	21.39	21.18				
10	64QAM	25	12	21.31	21.41	21.29	22.5	0		
10	64QAM	25	25	21.35	21.32	21.15				
10	64QAM	50	0	21.29	21.33	21.33	20.5	2		
10	256QAM	1	0	19.41	19.55	19.45				
10	256QAM	1	25	19.42	19.53	19.33	20.5	2		
10	256QAM	1	49	19.43	19.46	19.29				
10	256QAM	25	0	19.34	19.41	19.30	20.5	2		
10	256QAM	25	12	19.33	19.34	19.32				
10	256QAM	25	25	19.49	19.37	19.35	20.5	2		
10	256QAM	50	0	19.30	19.55	19.40				
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3452.5	3500	3547.5				
5	QPSK	1	0	21.45	21.56	21.43	22.5	0		
5	QPSK	1	12	21.29	21.54	21.28				
5	QPSK	1	24	21.45	21.46	21.32	22.5	0		
5	QPSK	12	0	21.35	21.54	21.23				
5	QPSK	12	7	21.36	21.38	21.28	22.5	0		
5	QPSK	12	13	21.45	21.39	21.30				
5	QPSK	25	0	21.42	21.42	21.36	22.5	0		
5	16QAM	1	0	21.35	21.42	21.36				
5	16QAM	1	12	21.23	21.45	21.29	22.5	0		
5	16QAM	1	24	21.31	21.35	21.32				
5	16QAM	12	0	21.33	21.47	21.24	22.5	0		
5	16QAM	12	7	21.25	21.34	21.32				
5	16QAM	12	13	21.34	21.30	21.17	22.5	0		
5	16QAM	25	0	21.37	21.46	21.34				
5	64QAM	1	0	21.35	21.44	21.40	22.5	0		
5	64QAM	1	12	21.27	21.53	21.14				
5	64QAM	1	24	21.36	21.41	21.25	22.5	0		
5	64QAM	12	0	21.33	21.44	21.14				
5	64QAM	12	7	21.34	21.31	21.23	22.5	0		
5	64QAM	12	13	21.44	21.35	21.17				
5	64QAM	25	0	21.27	21.34	21.24	20.5	2		
5	256QAM	1	0	19.51	19.62	19.46				
5	256QAM	1	12	19.42	19.59	19.29	20.5	2		
5	256QAM	1	24	19.37	19.49	19.36				
5	256QAM	12	0	19.37	19.51	19.25	20.5	2		
5	256QAM	12	7	19.33	19.39	19.29				
5	256QAM	12	13	19.42	19.34	19.34	20.5	2		
5	256QAM	25	0	19.39	19.47	19.45				

Band 42 Part 27Q Ant 7 DSI 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				5460	5500	5540			
20	QPSK	1	0	20.79	20.81	20.75	22	0	
20	QPSK	1	49	20.70	20.78	20.68			
20	QPSK	1	99	20.74	20.69	20.68	22	0	
20	QPSK	50	0	20.66	20.78	20.84			
20	QPSK	50	24	20.71	20.72	20.62	22	0	
20	QPSK	50	50	20.68	20.75	20.65			
20	QPSK	100	0	20.75	20.75	20.72	22	0	
20	16QAM	1	0	20.65	20.69	20.73			
20	16QAM	1	49	20.66	20.75	20.56	22	0	
20	16QAM	1	99	20.61	20.59	20.66			
20	16QAM	50	0	20.62	20.69	20.52	22	0	
20	16QAM	50	24	20.68	20.59	20.57			
20	16QAM	50	50	20.66	20.72	20.62	22	0	
20	16QAM	100	0	20.66	20.66	20.65			
20	64QAM	1	0	20.74	20.70	20.67	22	0	
20	64QAM	1	49	20.64	20.73	20.56			
20	64QAM	1	99	20.66	20.63	20.58	21	1	
20	64QAM	50	0	19.73	19.78	19.72			
20	64QAM	50	24	19.65	19.78	19.71	21	1	
20	64QAM	50	50	19.71	19.74	19.74			
20	64QAM	100	0	19.63	19.77	19.66	19	3	
20	256QAM	1	0	17.83	17.79	17.69			
20	256QAM	1	49	17.69	17.73	17.62	19	3	
20	256QAM	1	99	17.76	17.71	17.62			
20	256QAM	50	0	17.70	17.76	17.65	19	3	
20	256QAM	50	24	17.69	17.68	17.58			
20	256QAM	50	50	17.71	17.80	17.63	19	3	
20	256QAM	100	0	17.72	17.71	17.75			
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3421.5	3500	3542.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	20.69	20.75	20.61			
15	QPSK	1	37	20.57	20.66	20.65	22	0	
15	QPSK	1	74	20.65	20.62	20.56			
15	QPSK	36	0	20.62	20.67	20.55	22	0	
15	QPSK	36	20	20.63	20.64	20.51			
15	QPSK	36	39	20.66	20.71	20.58	22	0	
15	QPSK	75	0	20.73	20.65	20.84			
15	16QAM	1	0	20.62	20.56	20.69	22	0	
15	16QAM	1	37	20.60	20.66	20.45			
15	16QAM	1	74	20.48	20.48	20.63	22	0	
15	16QAM	36	0	20.54	20.57	20.45			
15	16QAM	36	20	20.65	20.45	20.50	22	0	
15	16QAM	36	39	20.54	20.58	20.49			
15	16QAM	75	0	20.66	20.56	20.60	22	0	
15	64QAM	1	0	20.65	20.57	20.56			
15	64QAM	1	37	20.52	20.69	20.51	22	0	
15	64QAM	1	74	20.58	20.60	20.53			
15	64QAM	36	0	19.70	19.72	19.59	21	1	
15	64QAM	36	20	19.60	19.74	19.65			
15	64QAM	36	39	19.65	19.65	19.71	19	3	
15	64QAM	75	0	19.56	19.64	19.61			
15	256QAM	1	0	17.70	17.68	17.55	19	3	
15	256QAM	1	37	17.66	17.66	17.58			
15	256QAM	1	74	17.64	17.61	17.59	19	3	
15	256QAM	36	0	17.59	17.65	17.54			
15	256QAM	36	20	17.57	17.62	17.49	19	3	
15	256QAM	36	39	17.69	17.73	17.56			
15	256QAM	75	0	17.64	17.64	17.67	Tune-up limit (dBm)	MPR (dB)	
Channel				42140	42590	43040			
Frequency (MHz)				3455	3500	3545	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	20.69	20.69	20.67			
10	QPSK	1	25	20.66	20.72	20.65	22	0	
10	QPSK	1	49	20.63	20.66	20.57			
10	QPSK	25	0	20.58	20.72	20.54	22	0	
10	QPSK	25	12	20.57	20.68	20.58			
10	QPSK	25	25	20.55	20.70	20.57	22	0	
10	QPSK	50	0	20.72	20.66	20.67			
10	16QAM	1	0	20.61	20.57	20.70	22	0	
10	16QAM	1	25	20.62	20.70	20.51			
10	16QAM	1	49	20.55	20.47	20.64	22	0	
10	16QAM	25	0	20.51	20.58	20.49			
10	16QAM	25	12	20.57	20.56	20.49	22	0	
10	16QAM	25	25	20.63	20.64	20.56			
10	16QAM	50	0	20.60	20.55	20.54	22	0	
10	16QAM	1	0	20.61	20.56	20.59			
10	64QAM	1	25	20.58	20.63	20.54	21	1	
10	64QAM	1	49	20.60	20.53	20.45			
10	64QAM	25	0	19.69	19.69	19.64	19	3	
10	64QAM	25	12	19.59	19.68	19.63			
10	64QAM	25	25	19.69	19.71	19.69	19	3	
10	64QAM	50	0	19.52	19.68	19.63			
10	256QAM	1	0	17.72	17.71	17.59	19	3	
10	256QAM	1	25	17.58	17.69	17.53			
10	256QAM	1	49	17.70	17.59	17.48	19	3	
10	256QAM	25	0	17.61	17.73	17.54			
10	256QAM	25	12	17.59	17.63	17.50	19	3	
10	256QAM	25	25	17.57	17.78	17.53			
10	256QAM	50	0	17.62	17.57	17.64	Tune-up limit (dBm)	MPR (dB)	
Channel				42115	42590	43065			
Frequency (MHz)				3523.2	3500	3547.2	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	20.73	20.67	20.71			
5	QPSK	1	12	20.64	20.68	20.65	22	0	
5	QPSK	1	24	20.71	20.59	20.56			
5	QPSK	12	0	20.58	20.65	20.54	22	0	
5	QPSK	12	7	20.67	20.70	20.52			
5	QPSK	12	13	20.54	20.70	20.52	22	0	
5	QPSK	25	0	20.66	20.72	20.66			
5	16QAM	1	0	20.55	20.63	20.71	22	0	
5	16QAM	1	12	20.52	20.63	20.43			
5	16QAM	1	24	20.58	20.50	20.63	22	0	
5	16QAM	12	0	20.52	20.59	20.48			
5	16QAM	12	7	20.57	20.51	20.53	22	0	
5	16QAM	12	13	20.62	20.70	20.55			
5	16QAM	25	0	20.64	20.59	20.59	22	0	
5	64QAM	1	0	20.69	20.66	20.60			
5	64QAM	1	12	20.52	20.71	20.50	21	1	
5	64QAM	1	24	20.61	20.56	20.48			
5	64QAM	12	0	19.66	19.76	19.63	19	3	
5	64QAM	12	7	19.63	19.71	19.62			
5	64QAM	12	13	19.59	19.64	19.69	19	3	
5	64QAM	25	0	19.53	19.66	19.54			
5	256QAM	1	0	17.61	17.66	17.57	19	3	
5	256QAM	1	12	17.58	17.67	17.57			
5	256QAM	1	24	17.71	17.62	17.60	19	3	
5	256QAM	12	0	17.64	17.70	17.63			
5	256QAM	12	7	17.64	17.58	17.45	19	3	
5	256QAM	12	13	17.64	17.76	17.52			
5	256QAM	25	0	17.70	17.67	17.61	Tune-up limit (dBm)	MPR (dB)	

Band 48 Ant 7 DSI 4		
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Full & Default Power

Band 2 other PA Ant 2										
RF (MHz)	Modulation	RB Size	RB Offset	Power Ch/Freq 18700	Power Ch/Freq 19000	Power Ch/Freq 19300	Turnup rate (dB)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	23.01	23.03	22.98				
20	QPSK	1	49	22.93	23.01	22.95	24	0		
20	QPSK	1	99	22.84	23.02	22.94				
20	QPSK	50	0	22.03	22.03	22.03				
20	QPSK	50	24	22.02	22.02	22.01				
20	QPSK	50	50	21.94	22.02	21.98	23	1		
20	QPSK	100	0	21.87	22.00	21.98				
20	QPSK	100	24	21.82	22.01	21.97				
20	QPSK	1	49	21.89	21.98	21.98				
20	QPSK	1	99	21.81	21.98	21.98				
20	QPSK	50	0	20.98	21.00	20.98				
20	QPSK	50	24	21.00	21.02	20.97	22	2		
20	QPSK	50	50	20.94	20.98	20.95				
20	QPSK	100	0	20.96	21.02	20.98				
20	QPSK	100	24	20.93	21.00	20.97	22	2		
20	QPSK	1	99	20.97	21.06	20.98				
20	QPSK	50	0	19.95	20.05	20.04				
20	QPSK	50	24	20.03	19.98	19.94	21	3		
20	QPSK	50	50	19.96	19.97	19.94				
20	QPSK	100	0	19.93	20.04	19.92				
20	QPSK	100	24	19.93	19.91	19.90				
20	QPSK	1	49	17.97	17.95	17.95	19	5		
20	QPSK	1	99	17.93	17.96	17.95				
20	QPSK	50	0	18.00	18.00	17.98				
20	QPSK	50	24	18.00	17.98	17.91	19	5		
20	QPSK	50	50	17.93	17.96	17.95				
20	QPSK	100	0	17.92	18.06	17.98				
Channel										
Frequency (MHz)										
16	QPSK	1	0	23.00	23.02	22.97	Turnup rate (dB)	MPR (dB)		
16	QPSK	1	37	22.87	22.98	22.98	24	0		
16	QPSK	1	74	22.81	23.01	22.93				
16	QPSK	36	0	21.92	22.01	21.95				
16	QPSK	36	20	21.96	21.92	21.90	23	1		
16	QPSK	36	40	21.92	21.90	21.88				
16	QPSK	75	0	21.81	21.90	21.75				
16	QPSK	1	0	22.01	22.90	22.88				
16	QPSK	1	21	21.79	21.90	21.89	23	1		
16	QPSK	1	74	21.83	21.98	21.85				
16	QPSK	36	0	21.82	21.98	21.85				
16	QPSK	36	20	21.00	20.96	20.91	22	2		
16	QPSK	36	39	20.87	20.95	20.88				
16	QPSK	75	0	19.93	19.98	19.92				
16	QPSK	1	37	20.92	20.99	20.97	22	2		
16	QPSK	1	74	20.95	20.95	20.95				
16	QPSK	36	0	19.88	19.97	19.90				
16	QPSK	36	20	20.03	19.91	19.92	21	3		
16	QPSK	36	39	19.94	19.94	19.92				
16	QPSK	75	0	18.97	18.99	18.95				
16	QPSK	1	0	18.93	17.99	17.95				
16	QPSK	1	37	17.93	17.94	17.95	19	5		
16	QPSK	1	74	17.87	17.95	17.79				
16	QPSK	36	0	17.89	17.90	17.88				
16	QPSK	36	20	17.90	17.87	17.84	19	5		
16	QPSK	36	39	17.86	17.87	17.89				
16	QPSK	75	0	17.84	17.98	17.88				
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.99	23.00	22.99	Turnup rate (dB)	MPR (dB)		
10	QPSK	1	25	22.88	22.95	22.97	24	0		
10	QPSK	1	49	22.84	22.98	22.87				
10	QPSK	1	74	22.82	22.91	22.81				
10	QPSK	25	12	21.99	21.99	21.97	23	1		
10	QPSK	25	25	21.88	22.00	21.94				
10	QPSK	1	0	21.86	21.99	21.78				
10	QPSK	1	25	22.02	21.97	21.91	23	1		
10	QPSK	1	49	21.87	21.94	21.91				
10	QPSK	1	74	21.81	21.95	21.86				
10	QPSK	25	0	20.96	20.98	20.98				
10	QPSK	25	12	20.94	20.98	20.95	22	2		
10	QPSK	25	25	20.97	20.94	20.95				
10	QPSK	1	0	20.91	20.99	20.96				
10	QPSK	1	25	20.94	20.98	20.95	22	2		
10	QPSK	1	49	20.90	20.93	20.94				
10	QPSK	1	74	20.87	20.96	20.92				
10	QPSK	25	0	19.93	19.96	19.94				
10	QPSK	25	12	20.03	19.96	19.94	21	3		
10	QPSK	25	25	19.96	19.97	19.95				
10	QPSK	1	0	18.95	18.90	18.93				
10	QPSK	1	25	17.96	18.00	17.94				
10	QPSK	1	49	17.98	17.94	17.85	19	5		
10	QPSK	25	0	17.88	17.98	17.92				
10	QPSK	25	12	17.85	17.92	17.86				
10	QPSK	25	25	17.87	17.88	17.87	19	5		
10	QPSK	50	0	17.82	18.04	17.90				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.91	23.00	22.94	Turnup rate (dB)	MPR (dB)		
5	QPSK	1	24	22.85	22.95	22.93	24	0		
5	QPSK	1	49	22.80	22.95	22.83				
5	QPSK	12	0	22.00	21.98	21.97				
5	QPSK	12	7	22.01	22.01	22.01				
5	QPSK	12	13	21.89	22.00	21.87	23	1		
5	QPSK	25	0	21.82	21.90	21.85				
5	QPSK	25	7	22.00	21.93	21.89	22	2		
5	QPSK	1	12	21.83	21.97	21.95	23	1		
5	QPSK	1	24	21.86	21.95	21.87				
5	QPSK	1	49	20.94	20.98	20.95				
5	QPSK	12	7	20.90	20.91	20.94	22	2		
5	QPSK	12	13	20.92	20.95	20.98				
5	QPSK	25	0	20.72	20.96	20.71				
5	QPSK	25	7	20.85	21.00	20.83	22	2		
5	QPSK	1	24	20.87	21.06	20.77				
5	QPSK	12	0	19.86	20.00	19.95				
5	QPSK	12	7	19.93	19.96	19.97	21	3		
5	QPSK	12	13	19.91	19.96	19.91				
5	QPSK	25	0	18.96	19.02	18.99				
5	QPSK	25	7	17.96	18.00	17.99				
5	QPSK	1	12	17.90	17.94	17.83	19	5		
5	QPSK	1	24	17.87	17.91	17.84				
5	QPSK	12	0	17.88	17.93	17.87				
5	QPSK	12	7	17.83	17.92	17.82	19	5		
5	QPSK	12	13	17.85	17.92	17.85				
5	QPSK	25	0	17.81	18.01	17.81				
Channel										
Frequency (MHz)										
3	QPSK	1	0	22.99	23.03	22.94	Turnup rate (dB)	MPR (dB)		
3	QPSK	1	8	22.91	22.95	22.95	24	0		
3	QPSK	1	24	22.85	22.94	22.93				
3	QPSK	1	49	22.80	22.96	22.83				
3	QPSK	8	0	21.97	21.98	21.91	23	1		
3	QPSK	8	8	21.87	21.96	21.88				
3	QPSK	15	0	21.76	21.92	21.85				
3	QPSK	1	0	22.04	21.99	21.97				
3	QPSK	1	24	21.82	21.96	21.87	23	1		
3	QPSK	1	14	21.84	21.95	21.83				
3	QPSK	8	0	20.97	20.98	20.97				
3	QPSK	8	8	20.97	20.98	20.97	22	2		
3	QPSK	15	0	20.73	20.94	20.77				
3	QPSK	1	0	20.91	20.95	20.90				
3	QPSK	1	8	20.85	20.94	20.93	22	2		
3	QPSK	1	24	20.88	21.01	20.84				
3	QPSK	8	0	19.88	20.04	19.88				
3	QPSK	8	8	19.95	19.93	19.98	21	3		
3	QPSK	15	0	19.93	19.90	19.86				
3	QPSK	15	0	18.92	19.95	18.96				
3	QPSK	1	0	18.97	18.97	18.97				
3	QPSK	1	8	17.88	17.94	17.85	19	5		
3	QPSK	1	14	17.82	17.95	17.81				
3	QPSK	1	24	17.86	18.01	17.86				
3	QPSK	8	0	17.88	17.95	17.84	19	5		
3	QPSK	8	8	17.84	17.89	17.86				
3	QPSK	15	0	17.87	18.03	17.86				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	22.99	23.03	22.94	Turnup rate (dB)	MPR (dB)		
1.4	QPSK	1	8	22.88	22.91	22.87	24	0		
1.4	QPSK	1	5	22.80	22.93	22.88				
1.4	QPSK	3	1	22.89	22.96	22.88				
1.4	QPSK	3	3	22.82	22.94	22.82	23	1		
1.4	QPSK	3	24	21.87	21.99	21.88				
1.4	QPSK	6	0	21.96	22.01	21.99	23	1		
1.4	QPSK	6	6	21.96	21.99	21.99				
1.4	QPSK	1	0	21.84	21.95	21.91				
1.4	QPSK	1	8	21.80	21.90	21.75	23	1		
1.4	QPSK	1	14	21.82	21.95	21.81				
1.4	QPSK	3	1	21.87	21.97	21.91				
1.4	QPSK	3	3	21.87	21.98	21.85				
1.4	QPSK	6	0	20.97	21.02	20.97	22	2		
1.4	QPSK	6	6	20.98	21.01	20.93				

Band 41 other PA Ant 2												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40186	40620	41055	41490				
Frequency (MHz)				2503	25463	25897	26332	26767				
20	QPSK	1	0	23.21	23.23	23.30	23.26	23.25	24	0		
20	QPSK	1	49	23.25	23.27	23.28	23.22	23.19				
20	QPSK	1	99	23.20	23.26	23.28	23.25	23.16				
20	QPSK	50	0	22.16	22.32	22.31	22.26	22.24				
20	QPSK	50	24	22.19	22.28	22.30	22.34	22.20	23	1		
20	QPSK	50	50	22.21	22.29	22.29	22.21	22.18				
20	QPSK	100	0	22.15	22.22	22.26	22.25	22.12				
20	16QAM	1	0	22.26	22.33	22.28	22.30	22.28				
20	16QAM	1	49	22.30	22.22	22.33	22.17	22.24	23	1		
20	16QAM	1	99	22.15	22.30	22.28	22.31	22.15				
20	16QAM	50	0	21.16	21.34	21.28	21.21	21.22				
20	16QAM	50	24	21.22	21.30	21.25	21.30	21.24				
20	16QAM	50	50	20.15	21.35	21.24	21.27	21.18	22	2		
20	16QAM	100	0	21.17	21.23	21.24	21.20	21.16				
20	64QAM	1	0	21.25	21.28	21.30	21.32	21.20				
20	64QAM	1	49	21.30	21.32	21.30	21.24	21.24				
20	64QAM	1	99	21.25	21.24	21.25	21.19	21.11	22	2		
20	64QAM	50	0	20.12	20.32	20.37	20.21	20.27				
20	64QAM	50	24	20.22	20.26	20.25	20.35	20.21				
20	64QAM	50	50	20.24	20.25	20.24	20.17	20.12				
20	64QAM	100	0	20.19	20.24	20.29	20.31	20.17	21	3		
20	256QAM	1	0	18.18	18.27	18.27	18.32	18.27				
20	256QAM	1	49	18.23	18.21	18.26	18.26	18.19				
20	256QAM	1	99	18.20	18.30	18.24	18.29	18.13				
20	256QAM	50	0	18.17	18.33	18.30	18.26	18.19	19	5		
20	256QAM	50	24	18.14	18.26	18.35	18.35	18.26				
20	256QAM	50	50	18.19	18.29	18.31	18.21	18.14				
20	256QAM	100	0	18.16	18.24	18.26	18.26	18.17				
Channel				39725	40173	40593	41068	41515				
Frequency (MHz)				2503.5	2548.3	25903	26373.8	2682.5	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	23.15	23.28	23.26	23.22	23.22	24.00	0		
15	QPSK	1	37	23.23	23.19	23.16	23.16	23.18				
15	QPSK	1	74	23.18	23.26	23.24	23.23	23.12				
15	QPSK	36	0	22.11	22.31	22.25	22.30	22.17				
15	QPSK	36	20	22.09	22.21	22.23	22.28	22.12	23	1		
15	QPSK	36	39	22.16	22.20	22.23	22.11	22.05				
15	QPSK	75	0	22.10	22.14	22.21	22.16	22.02				
15	16QAM	1	0	22.18	22.24	22.26	22.29	22.18				
15	16QAM	1	37	22.26	22.19	22.29	22.14	22.16	23	1		
15	16QAM	1	74	22.12	22.29	22.26	22.22	22.12				
15	16QAM	36	0	21.15	21.24	21.22	21.09	21.18				
15	16QAM	36	20	21.14	21.19	21.14	21.19	21.15				
15	16QAM	75	0	21.15	21.21	21.13	21.11	21.04	22	2		
15	64QAM	1	0	21.24	21.27	21.21	21.26	21.12				
15	64QAM	1	37	21.28	21.26	21.27	21.13	21.22				
15	64QAM	1	74	21.15	21.23	21.32	21.14	21.07				
15	64QAM	36	0	20.10	20.22	20.36	20.12	20.24	21	3		
15	64QAM	36	20	20.16	20.16	20.16	20.32	20.19				
15	64QAM	36	39	20.13	20.18	20.13	20.16	20.12				
15	64QAM	75	0	20.17	20.15	20.20	20.28	20.17				
15	256QAM	1	0	18.17	18.24	18.24	18.32	18.21	19	5		
15	256QAM	1	37	18.22	18.19	18.22	18.26	18.16				
15	256QAM	1	74	18.11	18.26	18.21	18.20	18.05				
15	256QAM	36	0	18.08	18.27	18.29	18.15	18.12				
15	256QAM	36	20	18.13	18.33	18.33	18.17	18.12	19	5		
15	256QAM	36	39	18.11	18.20	18.25	18.17	18.12				
15	256QAM	75	0	18.18	18.23	18.16	18.18	18.09				
Channel				39700	40160	40620	41080	41540			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685				
10	QPSK	1	0	23.11	23.16	23.26	23.19	23.18	24.00	0		
10	QPSK	1	25	23.20	23.20	23.23	23.14	23.09				
10	QPSK	1	49	23.13	23.23	23.24	23.13	23.13				
10	QPSK	25	0	22.15	22.30	22.20	22.15	22.12				
10	QPSK	25	12	22.17	22.18	22.29	22.32	22.10	23	1		
10	QPSK	25	25	22.17	22.18	22.19	22.20	22.04				
10	QPSK	50	0	22.06	22.12	22.21	22.15	22.02				
10	16QAM	1	0	22.16	22.27	22.22	22.22	22.27				
10	16QAM	1	25	22.21	22.15	22.28	22.06	22.17	23	1		
10	16QAM	1	49	22.11	22.19	22.21	22.23	22.04				
10	16QAM	25	0	21.10	21.29	21.23	21.19	21.21				
10	16QAM	25	12	21.18	21.23	21.22	21.22	21.18				
10	16QAM	50	0	21.18	21.29	21.18	21.21	21.12	22	2		
10	16QAM	50	0	21.12	21.18	21.21	21.08	21.06				
10	64QAM	1	0	21.18	21.24	21.20	21.30	21.12				
10	64QAM	1	25	21.27	21.22	21.26	21.12	21.22				
10	64QAM	1	49	21.16	21.12	21.24	21.07	20.99	21	3		
10	64QAM	25	0	20.03	20.23	20.26	20.19	20.19				
10	64QAM	25	12	20.16	20.18	20.20	20.24	20.18				
10	64QAM	25	25	20.22	20.22	20.22	20.07	20.03				
10	64QAM	50	0	20.15	20.14	20.24	20.23	20.10	19	5		
10	256QAM	1	0	18.08	18.21	18.26	18.32	18.12				
10	256QAM	1	25	18.12	18.10	18.16	18.22	18.09				
10	256QAM	1	49	18.16	18.16	18.13	18.29	18.03				
10	256QAM	25	0	18.14	18.24	18.22	18.22	18.19	19	5		
10	256QAM	25	12	18.11	18.24	18.34	18.30	18.22				
10	256QAM	25	25	18.09	18.18	18.23	18.15	18.12				
10	256QAM	50	0	18.14	18.16	18.23	18.16	18.05				
Channel				39675	40146	40620	41056	41565				
Frequency (MHz)				2498.5	25451	25897	26332.5	26767.5	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	23.20	23.22	23.28	23.28	23.23	24.00	0		
5	QPSK	1	12	23.15	23.24	23.23	23.11	23.16				
5	QPSK	1	24	23.09	23.15	23.21	23.23	23.16				
5	QPSK	12	0	22.12	22.22	22.25	22.17	22.12				
5	QPSK	12	7	22.10	22.27	22.21	22.28	22.13	23	1		
5	QPSK	12	13	22.13	22.20	22.19	22.11	22.09				
5	QPSK	25	0	22.09	22.22	22.22	22.24	22.03				
5	16QAM	1	0	22.21	22.26	22.27	22.26	22.16				
5	16QAM	1	12	22.29	22.21	22.31	22.11	22.13	23	1		
5	16QAM	1	24	22.13	22.28	22.26	22.22	22.08				
5	16QAM	12	0	21.15	21.30	21.22	21.14	21.14				
5	16QAM	12	7	21.18	21.20	21.17	21.19	21.20				
5	16QAM	12	13	21.12	21.34	21.15	21.22	21.08	22	2		
5	16QAM	25	0	21.15	21.17	21.14	21.14	21.10				
5	64QAM	1	0	21.17	21.24	21.23	21.29	21.14				
5	64QAM	1	12	21.19	21.27	21.22	21.21	21.16				
5	64QAM	1	24	21.16	21.20	21.28	21.17	21.00	22	2		
5	64QAM	12	0	20.06	20.30	20.37	20.16	20.25				
5	64QAM	12	7	20.16	20.26	20.24	20.25	20.13				
5	64QAM	12	13	20.22	20.22	20.20	20.06	20.05				
5	64QAM	25	0	20.16	20.12	20.20	20.29	20.10	21	3		
5	64QAM	25	7	20.16	20.18	20.18	20.26	18.16				
5	256QAM	1	0	18.22	18.19	18.19	18.17	18.09				
5	256QAM	1	24	18.08	18.28	18.17	18.24	18.11				
5	256QAM	12	0	18.14	18.23	18.21	18.22	18.07	19	5		
5	256QAM	12	7	18.12	18.23	18.24	18.30	18.19				
5	256QAM	12	13	18.16	18.19	18.22	18.12	18.09				
5	256QAM	25	0	18.16	18.16	18.16	18.16	18.08				