

10260	CAG	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.97	± 9.6 %
10261	CAG	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TDD	9.24	± 9.6 %
10262	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-TDD	9.83	± 9.6 %
10263	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-TDD	10.16	± 9.6 %
10264	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TDD	9.23	± 9.6 %
10265	CAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	9.92	± 9.6 %
10266	CAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TDD	10.07	± 9.6 %
10267	CAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TDD	9.30	± 9.6 %
10268	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-TDD	10.06	± 9.6 %
10269	CAB	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-TDD	10.13	± 9.6 %
10270	CAB	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-TDD	9.58	± 9.6 %
10274	CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	WCDMA	4.87	± 9.6 %
10275	CAD	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	WCDMA	3.96	± 9.6 %
10277	CAD	PHS (QPSK)	PHS	11.81	± 9.6 %
10278	CAD	PHS (QPSK, BW 884MHz, Rolloff 0.5)	PHS	11.81	± 9.6 %
10279	CAG	PHS (QPSK, BW 884MHz, Rolloff 0.38)	PHS	12.18	± 9.6 %
10290	CAG	CDMA2000, RC1, SO55, Full Rate	CDMA2000	3.91	± 9.6 %
10291	CAG	CDMA2000, RC3, SO55, Full Rate	CDMA2000	3.46	± 9.6 %
10292	CAG	CDMA2000, RC3, SO32, Full Rate	CDMA2000	3.39	± 9.6 %
10293	CAG	CDMA2000, RC3, SO3, Full Rate	CDMA2000	3.50	± 9.6 %
10295	CAG	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	CDMA2000	12.49	± 9.6 %
10297	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	5.81	± 9.6 %
10298	CAF	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
10299	CAF	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-FDD	6.39	± 9.6 %
10300	CAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10301	CAC	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	WiMAX	12.03	± 9.6 %
10302	CAB	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3CTRL)	WiMAX	12.57	± 9.6 %
10303	CAB	IEEE 802.16e WiMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	WiMAX	12.52	± 9.6 %
10304	CAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	WiMAX	11.86	± 9.6 %
10305	CAA	IEEE 802.16e WiMAX (31:15, 10ms, 10MHz, 64QAM, PUSC)	WiMAX	15.24	± 9.6 %
10306	CAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 64QAM, PUSC)	WiMAX	14.67	± 9.6 %
10307	AAB	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC)	WiMAX	14.49	± 9.6 %
10308	AAB	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	WiMAX	14.46	± 9.6 %
10309	AAB	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3)	WiMAX	14.58	± 9.6 %
10310	AAB	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3)	WiMAX	14.57	± 9.6 %
10311	AAB	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-FDD	6.06	± 9.6 %
10313	AAD	iDEN 1:3	iDEN	10.51	± 9.6 %
10314	AAD	iDEN 1:6	iDEN	13.48	± 9.6 %
10315	AAD	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc dc)	WLAN	1.71	± 9.6 %
10316	AAD	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc dc)	WLAN	8.36	± 9.6 %
10317	AAA	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc dc)	WLAN	8.36	± 9.6 %
10352	AAA	Pulse Waveform (200Hz, 10%)	Generic	10.00	± 9.6 %
10353	AAA	Pulse Waveform (200Hz, 20%)	Generic	6.99	± 9.6 %
10354	AAA	Pulse Waveform (200Hz, 40%)	Generic	3.98	± 9.6 %
10355	AAA	Pulse Waveform (200Hz, 60%)	Generic	2.22	± 9.6 %
10356	AAA	Pulse Waveform (200Hz, 80%)	Generic	0.97	± 9.6 %
10387	AAA	QPSK Waveform, 1 MHz	Generic	5.10	± 9.6 %
10388	AAA	QPSK Waveform, 10 MHz	Generic	5.22	± 9.6 %
10396	AAA	64-QAM Waveform, 100 kHz	Generic	6.27	± 9.6 %
10399	AAA	64-QAM Waveform, 40 MHz	Generic	6.27	± 9.6 %
10400	AAD	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc dc)	WLAN	8.37	± 9.6 %
10401	AAA	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc dc)	WLAN	8.60	± 9.6 %
10402	AAA	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc dc)	WLAN	8.53	± 9.6 %
10403	AAB	CDMA2000 (1xEV-DO, Rev. 0)	CDMA2000	3.76	± 9.6 %
10404	AAB	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.77	± 9.6 %
10406	AAD	CDMA2000, RC3, SO32, SCH0, Full Rate	CDMA2000	5.22	± 9.6 %

10410	AAA	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
10414	AAA	WLAN CCDF, 64-QAM, 40MHz	Generic	8.54	± 9.6 %
10415	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc dc)	WLAN	1.54	± 9.6 %
10416	AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc dc)	WLAN	8.23	± 9.6 %
10417	AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc dc)	WLAN	8.23	± 9.6 %
10418	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Long)	WLAN	8.14	± 9.6 %
10419	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Short)	WLAN	8.19	± 9.6 %
10422	AAA	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.32	± 9.6 %
10423	AAA	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN	8.47	± 9.6 %
10424	AAE	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.40	± 9.6 %
10425	AAE	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	8.41	± 9.6 %
10426	AAE	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN	8.45	± 9.6 %
10427	AAB	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN	8.41	± 9.6 %
10430	AAB	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	LTE-FDD	8.28	± 9.6 %
10431	AAC	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDD	8.38	± 9.6 %
10432	AAB	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	LTE-FDD	8.34	± 9.6 %
10433	AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	LTE-FDD	8.34	± 9.6 %
10434	AAG	W-CDMA (BS Test Model 1, 64 DPCH)	WCDMA	8.60	± 9.6 %
10435	AAA	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10447	AAA	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	± 9.6 %
10448	AAA	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.53	± 9.6 %
10449	AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.51	± 9.6 %
10450	AAA	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.48	± 9.6 %
10451	AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WCDMA	7.59	± 9.6 %
10453	AAC	Validation (Square, 10ms, 1ms)	Test	10.00	± 9.6 %
10456	AAC	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc dc)	WLAN	8.63	± 9.6 %
10457	AAC	UMTS-FDD (DC-HSDPA)	WCDMA	6.62	± 9.6 %
10458	AAC	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	6.55	± 9.6 %
10459	AAC	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	CDMA2000	8.25	± 9.6 %
10460	AAC	UMTS-FDD (WCDMA, AMR)	WCDMA	2.39	± 9.6 %
10461	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10462	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.30	± 9.6 %
10463	AAD	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.56	± 9.6 %
10464	AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10465	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10466	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6 %
10467	AAA	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10468	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10469	AAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.56	± 9.6 %
10470	AAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10471	AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10472	AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6 %
10473	AAA	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10474	AAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10475	AAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6 %
10477	AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10478	AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6 %
10479	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10480	AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.18	± 9.6 %
10481	AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.45	± 9.6 %
10482	AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.71	± 9.6 %
10483	AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, Sub)	LTE-TDD	8.39	± 9.6 %
10484	AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.47	± 9.6 %
10485	AAB	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.59	± 9.6 %
10486	AAB	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.38	± 9.6 %
10487	AAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.60	± 9.6 %

10488	AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.70	± 9.6 %
10489	AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	8.31	± 9.6 %
10490	AAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	± 9.6 %
10491	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10492	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.41	± 9.6 %
10493	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.55	± 9.6 %
10494	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10495	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.37	± 9.6 %
10496	AAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	± 9.6 %
10497	AAE	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.67	± 9.6 %
10498	AAE	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.40	± 9.6 %
10499	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.68	± 9.6 %
10500	AAF	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.67	± 9.6 %
10501	AAF	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Sub)	LTE-TDD	8.44	± 9.6 %
10502	AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.52	± 9.6 %
10503	AAB	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.72	± 9.6 %
10504	AAB	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.31	± 9.6 %
10505	AAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	± 9.6 %
10506	AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10507	AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	8.36	± 9.6 %
10508	AAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.55	± 9.6 %
10509	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.99	± 9.6 %
10510	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.49	± 9.6 %
10511	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.51	± 9.6 %
10512	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10513	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.42	± 9.6 %
10514	AAE	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.45	± 9.6 %
10515	AAE	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc dc)	WLAN	1.58	± 9.6 %
10516	AAE	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc dc)	WLAN	1.57	± 9.6 %
10517	AAF	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc dc)	WLAN	1.58	± 9.6 %
10518	AAF	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc dc)	WLAN	8.23	± 9.6 %
10519	AAF	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc dc)	WLAN	8.39	± 9.6 %
10520	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc dc)	WLAN	8.12	± 9.6 %
10521	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc dc)	WLAN	7.97	± 9.6 %
10522	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc dc)	WLAN	8.45	± 9.6 %
10523	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc dc)	WLAN	8.08	± 9.6 %
10524	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc dc)	WLAN	8.27	± 9.6 %
10525	AAC	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc dc)	WLAN	8.36	± 9.6 %
10526	AAF	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc dc)	WLAN	8.42	± 9.6 %
10527	AAF	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc dc)	WLAN	8.21	± 9.6 %
10528	AAF	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc dc)	WLAN	8.36	± 9.6 %
10529	AAF	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc dc)	WLAN	8.36	± 9.6 %
10531	AAF	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc dc)	WLAN	8.43	± 9.6 %
10532	AAF	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc dc)	WLAN	8.29	± 9.6 %
10533	AAE	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc dc)	WLAN	8.38	± 9.6 %
10534	AAE	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc dc)	WLAN	8.45	± 9.6 %
10535	AAE	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc dc)	WLAN	8.45	± 9.6 %
10536	AAF	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc dc)	WLAN	8.32	± 9.6 %
10537	AAF	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc dc)	WLAN	8.44	± 9.6 %
10538	AAF	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc dc)	WLAN	8.54	± 9.6 %
10540	AAA	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc dc)	WLAN	8.39	± 9.6 %
10541	AAA	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc dc)	WLAN	8.46	± 9.6 %
10542	AAA	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc dc)	WLAN	8.65	± 9.6 %
10543	AAC	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc dc)	WLAN	8.65	± 9.6 %
10544	AAC	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc dc)	WLAN	8.47	± 9.6 %
10545	AAC	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc dc)	WLAN	8.55	± 9.6 %

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

10604	AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc dc)	WLAN	8.76	± 9.6 %
10605	AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc dc)	WLAN	8.97	± 9.6 %
10606	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc dc)	WLAN	8.82	± 9.6 %
10607	AAC	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc dc)	WLAN	8.64	± 9.6 %
10608	AAC	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc dc)	WLAN	8.77	± 9.6 %
10609	AAC	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc dc)	WLAN	8.57	± 9.6 %
10610	AAC	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc dc)	WLAN	8.78	± 9.6 %
10611	AAC	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc dc)	WLAN	8.70	± 9.6 %
10612	AAC	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc dc)	WLAN	8.77	± 9.6 %
10613	AAC	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc dc)	WLAN	8.94	± 9.6 %
10614	AAC	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc dc)	WLAN	8.59	± 9.6 %
10615	AAC	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc dc)	WLAN	8.82	± 9.6 %
10616	AAC	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc dc)	WLAN	8.82	± 9.6 %
10617	AAC	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc dc)	WLAN	8.81	± 9.6 %
10618	AAC	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc dc)	WLAN	8.58	± 9.6 %
10619	AAC	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc dc)	WLAN	8.86	± 9.6 %
10620	AAC	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc dc)	WLAN	8.87	± 9.6 %
10621	AAC	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc dc)	WLAN	8.77	± 9.6 %
10622	AAC	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc dc)	WLAN	8.68	± 9.6 %
10623	AAC	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc dc)	WLAN	8.82	± 9.6 %
10624	AAC	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc dc)	WLAN	8.96	± 9.6 %
10625	AAC	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc dc)	WLAN	8.96	± 9.6 %
10626	AAC	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc dc)	WLAN	8.83	± 9.6 %
10627	AAC	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc dc)	WLAN	8.88	± 9.6 %
10628	AAC	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc dc)	WLAN	8.71	± 9.6 %
10629	AAC	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc dc)	WLAN	8.85	± 9.6 %
10630	AAC	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc dc)	WLAN	8.72	± 9.6 %
10631	AAC	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc dc)	WLAN	8.81	± 9.6 %
10632	AAC	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc dc)	WLAN	8.74	± 9.6 %
10633	AAC	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc dc)	WLAN	8.83	± 9.6 %
10634	AAC	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc dc)	WLAN	8.80	± 9.6 %
10635	AAC	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc dc)	WLAN	8.81	± 9.6 %
10636	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc dc)	WLAN	8.83	± 9.6 %
10637	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 90pc dc)	WLAN	8.79	± 9.6 %
10638	AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 90pc dc)	WLAN	8.86	± 9.6 %
10639	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 90pc dc)	WLAN	8.85	± 9.6 %
10640	AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc dc)	WLAN	8.98	± 9.6 %
10641	AAC	IEEE 802.11ac WiFi (160MHz, MCS5, 90pc dc)	WLAN	9.06	± 9.6 %
10642	AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc dc)	WLAN	9.06	± 9.6 %
10643	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc dc)	WLAN	8.89	± 9.6 %
10644	AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 90pc dc)	WLAN	9.05	± 9.6 %
10645	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc dc)	WLAN	9.11	± 9.6 %
10646	AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub=2,7)	LTE-TDD	11.96	± 9.6 %
10647	AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub=2,7)	LTE-TDD	11.96	± 9.6 %
10648	AAC	CDMA2000 (1x Advanced)	CDMA2000	3.45	± 9.6 %
10652	AAC	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	± 9.6 %
10653	AAC	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	± 9.6 %
10654	AAC	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.96	± 9.6 %
10655	AAC	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.21	± 9.6 %
10658	AAC	Pulse Waveform (200Hz, 10%)	Test	10.00	± 9.6 %
10659	AAC	Pulse Waveform (200Hz, 20%)	Test	6.99	± 9.6 %
10660	AAC	Pulse Waveform (200Hz, 40%)	Test	3.98	± 9.6 %
10661	AAC	Pulse Waveform (200Hz, 60%)	Test	2.22	± 9.6 %
10662	AAC	Pulse Waveform (200Hz, 80%)	Test	0.97	± 9.6 %
10670	AAC	Bluetooth Low Energy	Bluetooth	2.19	± 9.6 %
10671	AAD	IEEE 802.11ax (20MHz, MCS0, 90pc dc)	WLAN	9.09	± 9.6 %

10672	AAD	IEEE 802.11ax (20MHz, MCS1, 90pc dc)	WLAN	8.57	± 9.6 %
10673	AAD	IEEE 802.11ax (20MHz, MCS2, 90pc dc)	WLAN	8.78	± 9.6 %
10674	AAD	IEEE 802.11ax (20MHz, MCS3, 90pc dc)	WLAN	8.74	± 9.6 %
10675	AAD	IEEE 802.11ax (20MHz, MCS4, 90pc dc)	WLAN	8.90	± 9.6 %
10676	AAD	IEEE 802.11ax (20MHz, MCS5, 90pc dc)	WLAN	8.77	± 9.6 %
10677	AAD	IEEE 802.11ax (20MHz, MCS6, 90pc dc)	WLAN	8.73	± 9.6 %
10678	AAD	IEEE 802.11ax (20MHz, MCS7, 90pc dc)	WLAN	8.78	± 9.6 %
10679	AAD	IEEE 802.11ax (20MHz, MCS8, 90pc dc)	WLAN	8.89	± 9.6 %
10680	AAD	IEEE 802.11ax (20MHz, MCS9, 90pc dc)	WLAN	8.80	± 9.6 %
10681	AAG	IEEE 802.11ax (20MHz, MCS10, 90pc dc)	WLAN	8.62	± 9.6 %
10682	AAF	IEEE 802.11ax (20MHz, MCS11, 90pc dc)	WLAN	8.83	± 9.6 %
10683	AAA	IEEE 802.11ax (20MHz, MCS0, 99pc dc)	WLAN	8.42	± 9.6 %
10684	AAC	IEEE 802.11ax (20MHz, MCS1, 99pc dc)	WLAN	8.26	± 9.6 %
10685	AAC	IEEE 802.11ax (20MHz, MCS2, 99pc dc)	WLAN	8.33	± 9.6 %
10686	AAC	IEEE 802.11ax (20MHz, MCS3, 99pc dc)	WLAN	8.28	± 9.6 %
10687	AAE	IEEE 802.11ax (20MHz, MCS4, 99pc dc)	WLAN	8.45	± 9.6 %
10688	AAE	IEEE 802.11ax (20MHz, MCS5, 99pc dc)	WLAN	8.29	± 9.6 %
10689	AAD	IEEE 802.11ax (20MHz, MCS6, 99pc dc)	WLAN	8.55	± 9.6 %
10690	AAE	IEEE 802.11ax (20MHz, MCS7, 99pc dc)	WLAN	8.29	± 9.6 %
10691	AAB	IEEE 802.11ax (20MHz, MCS8, 99pc dc)	WLAN	8.25	± 9.6 %
10692	AAA	IEEE 802.11ax (20MHz, MCS9, 99pc dc)	WLAN	8.29	± 9.6 %
10693	AAA	IEEE 802.11ax (20MHz, MCS10, 99pc dc)	WLAN	8.25	± 9.6 %
10694	AAA	IEEE 802.11ax (20MHz, MCS11, 99pc dc)	WLAN	8.57	± 9.6 %
10695	AAA	IEEE 802.11ax (40MHz, MCS0, 90pc dc)	WLAN	8.78	± 9.6 %
10696	AAA	IEEE 802.11ax (40MHz, MCS1, 90pc dc)	WLAN	8.91	± 9.6 %
10697	AAA	IEEE 802.11ax (40MHz, MCS2, 90pc dc)	WLAN	8.61	± 9.6 %
10698	AAA	IEEE 802.11ax (40MHz, MCS3, 90pc dc)	WLAN	8.89	± 9.6 %
10699	AAA	IEEE 802.11ax (40MHz, MCS4, 90pc dc)	WLAN	8.82	± 9.6 %
10700	AAA	IEEE 802.11ax (40MHz, MCS5, 90pc dc)	WLAN	8.73	± 9.6 %
10701	AAA	IEEE 802.11ax (40MHz, MCS6, 90pc dc)	WLAN	8.86	± 9.6 %
10702	AAA	IEEE 802.11ax (40MHz, MCS7, 90pc dc)	WLAN	8.70	± 9.6 %
10703	AAA	IEEE 802.11ax (40MHz, MCS8, 90pc dc)	WLAN	8.82	± 9.6 %
10704	AAA	IEEE 802.11ax (40MHz, MCS9, 90pc dc)	WLAN	8.56	± 9.6 %
10705	AAA	IEEE 802.11ax (40MHz, MCS10, 90pc dc)	WLAN	8.69	± 9.6 %
10706	AAC	IEEE 802.11ax (40MHz, MCS11, 90pc dc)	WLAN	8.66	± 9.6 %
10707	AAC	IEEE 802.11ax (40MHz, MCS0, 99pc dc)	WLAN	8.32	± 9.6 %
10708	AAC	IEEE 802.11ax (40MHz, MCS1, 99pc dc)	WLAN	8.55	± 9.6 %
10709	AAC	IEEE 802.11ax (40MHz, MCS2, 99pc dc)	WLAN	8.33	± 9.6 %
10710	AAC	IEEE 802.11ax (40MHz, MCS3, 99pc dc)	WLAN	8.29	± 9.6 %
10711	AAC	IEEE 802.11ax (40MHz, MCS4, 99pc dc)	WLAN	8.39	± 9.6 %
10712	AAC	IEEE 802.11ax (40MHz, MCS5, 99pc dc)	WLAN	8.67	± 9.6 %
10713	AAC	IEEE 802.11ax (40MHz, MCS6, 99pc dc)	WLAN	8.33	± 9.6 %
10714	AAC	IEEE 802.11ax (40MHz, MCS7, 99pc dc)	WLAN	8.26	± 9.6 %
10715	AAC	IEEE 802.11ax (40MHz, MCS8, 99pc dc)	WLAN	8.45	± 9.6 %
10716	AAC	IEEE 802.11ax (40MHz, MCS9, 99pc dc)	WLAN	8.30	± 9.6 %
10717	AAC	IEEE 802.11ax (40MHz, MCS10, 99pc dc)	WLAN	8.48	± 9.6 %
10718	AAC	IEEE 802.11ax (40MHz, MCS11, 99pc dc)	WLAN	8.24	± 9.6 %
10719	AAC	IEEE 802.11ax (80MHz, MCS0, 90pc dc)	WLAN	8.81	± 9.6 %
10720	AAC	IEEE 802.11ax (80MHz, MCS1, 90pc dc)	WLAN	8.87	± 9.6 %
10721	AAC	IEEE 802.11ax (80MHz, MCS2, 90pc dc)	WLAN	8.76	± 9.6 %
10722	AAC	IEEE 802.11ax (80MHz, MCS3, 90pc dc)	WLAN	8.55	± 9.6 %
10723	AAC	IEEE 802.11ax (80MHz, MCS4, 90pc dc)	WLAN	8.70	± 9.6 %
10724	AAC	IEEE 802.11ax (80MHz, MCS5, 90pc dc)	WLAN	8.90	± 9.6 %
10725	AAC	IEEE 802.11ax (80MHz, MCS6, 90pc dc)	WLAN	8.74	± 9.6 %
10726	AAC	IEEE 802.11ax (80MHz, MCS7, 90pc dc)	WLAN	8.72	± 9.6 %
10727	AAC	IEEE 802.11ax (80MHz, MCS8, 90pc dc)	WLAN	8.66	± 9.6 %

10728	AAC	IEEE 802.11ax (80MHz, MCS9, 90pc dc)	WLAN	8.65	± 9.6 %
10729	AAC	IEEE 802.11ax (80MHz, MCS10, 90pc dc)	WLAN	8.64	± 9.6 %
10730	AAC	IEEE 802.11ax (80MHz, MCS11, 90pc dc)	WLAN	8.67	± 9.6 %
10731	AAC	IEEE 802.11ax (80MHz, MCS0, 99pc dc)	WLAN	8.42	± 9.6 %
10732	AAC	IEEE 802.11ax (80MHz, MCS1, 99pc dc)	WLAN	8.46	± 9.6 %
10733	AAC	IEEE 802.11ax (80MHz, MCS2, 99pc dc)	WLAN	8.40	± 9.6 %
10734	AAC	IEEE 802.11ax (80MHz, MCS3, 99pc dc)	WLAN	8.25	± 9.6 %
10735	AAC	IEEE 802.11ax (80MHz, MCS4, 99pc dc)	WLAN	8.33	± 9.6 %
10736	AAC	IEEE 802.11ax (80MHz, MCS5, 99pc dc)	WLAN	8.27	± 9.6 %
10737	AAC	IEEE 802.11ax (80MHz, MCS6, 99pc dc)	WLAN	8.36	± 9.6 %
10738	AAC	IEEE 802.11ax (80MHz, MCS7, 99pc dc)	WLAN	8.42	± 9.6 %
10739	AAC	IEEE 802.11ax (80MHz, MCS8, 99pc dc)	WLAN	8.29	± 9.6 %
10740	AAC	IEEE 802.11ax (80MHz, MCS9, 99pc dc)	WLAN	8.48	± 9.6 %
10741	AAC	IEEE 802.11ax (80MHz, MCS10, 99pc dc)	WLAN	8.40	± 9.6 %
10742	AAC	IEEE 802.11ax (80MHz, MCS11, 99pc dc)	WLAN	8.43	± 9.6 %
10743	AAC	IEEE 802.11ax (160MHz, MCS0, 90pc dc)	WLAN	8.94	± 9.6 %
10744	AAC	IEEE 802.11ax (160MHz, MCS1, 90pc dc)	WLAN	9.16	± 9.6 %
10745	AAC	IEEE 802.11ax (160MHz, MCS2, 90pc dc)	WLAN	8.93	± 9.6 %
10746	AAC	IEEE 802.11ax (160MHz, MCS3, 90pc dc)	WLAN	9.11	± 9.6 %
10747	AAC	IEEE 802.11ax (160MHz, MCS4, 90pc dc)	WLAN	9.04	± 9.6 %
10748	AAC	IEEE 802.11ax (160MHz, MCS5, 90pc dc)	WLAN	8.93	± 9.6 %
10749	AAC	IEEE 802.11ax (160MHz, MCS6, 90pc dc)	WLAN	8.90	± 9.6 %
10750	AAC	IEEE 802.11ax (160MHz, MCS7, 90pc dc)	WLAN	8.79	± 9.6 %
10751	AAC	IEEE 802.11ax (160MHz, MCS8, 90pc dc)	WLAN	8.82	± 9.6 %
10752	AAC	IEEE 802.11ax (160MHz, MCS9, 90pc dc)	WLAN	8.81	± 9.6 %
10753	AAC	IEEE 802.11ax (160MHz, MCS10, 90pc dc)	WLAN	9.00	± 9.6 %
10754	AAC	IEEE 802.11ax (160MHz, MCS11, 90pc dc)	WLAN	8.94	± 9.6 %
10755	AAC	IEEE 802.11ax (160MHz, MCS0, 99pc dc)	WLAN	8.64	± 9.6 %
10756	AAC	IEEE 802.11ax (160MHz, MCS1, 99pc dc)	WLAN	8.77	± 9.6 %
10757	AAC	IEEE 802.11ax (160MHz, MCS2, 99pc dc)	WLAN	8.77	± 9.6 %
10758	AAC	IEEE 802.11ax (160MHz, MCS3, 99pc dc)	WLAN	8.69	± 9.6 %
10759	AAC	IEEE 802.11ax (160MHz, MCS4, 99pc dc)	WLAN	8.58	± 9.6 %
10760	AAC	IEEE 802.11ax (160MHz, MCS5, 99pc dc)	WLAN	8.49	± 9.6 %
10761	AAC	IEEE 802.11ax (160MHz, MCS6, 99pc dc)	WLAN	8.58	± 9.6 %
10762	AAC	IEEE 802.11ax (160MHz, MCS7, 99pc dc)	WLAN	8.49	± 9.6 %
10763	AAC	IEEE 802.11ax (160MHz, MCS8, 99pc dc)	WLAN	8.53	± 9.6 %
10764	AAC	IEEE 802.11ax (160MHz, MCS9, 99pc dc)	WLAN	8.54	± 9.6 %
10765	AAC	IEEE 802.11ax (160MHz, MCS10, 99pc dc)	WLAN	8.54	± 9.6 %
10766	AAC	IEEE 802.11ax (160MHz, MCS11, 99pc dc)	WLAN	8.51	± 9.6 %
10767	AAC	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	7.99	± 9.6 %
10768	AAC	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10769	AAC	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10770	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10771	AAC	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10772	AAC	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.23	± 9.6 %
10773	AAC	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.03	± 9.6 %
10774	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10775	AAC	5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	± 9.6 %
10776	AAC	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	± 9.6 %
10777	AAC	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	± 9.6 %
10778	AAC	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10779	AAC	5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.42	± 9.6 %
10780	AAC	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	± 9.6 %
10781	AAC	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	± 9.6 %
10782	AAC	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.43	± 9.6 %
10783	AAC	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	± 9.6 %

10784	AAC	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.29	± 9.6 %
10785	AAC	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10786	AAC	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10787	AAC	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.44	± 9.6 %
10788	AAC	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10789	AAC	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10790	AAC	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10791	AAC	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.83	± 9.6 %
10792	AAC	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.92	± 9.6 %
10793	AAC	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.95	± 9.6 %
10794	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	± 9.6 %
10795	AAC	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.84	± 9.6 %
10796	AAC	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	± 9.6 %
10797	AAC	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10798	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	± 9.6 %
10799	AAC	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	± 9.6 %
10801	AAC	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	± 9.6 %
10802	AAC	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	± 9.6 %
10803	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	± 9.6 %
10805	AAD	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10806	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10809	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10810	AAD	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10812	AAD	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10817	AAD	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10818	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10819	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33	± 9.6 %
10820	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.30	± 9.6 %
10821	AAC	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10822	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10823	AAC	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10824	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10825	AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10827	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.42	± 9.6 %
10828	AAE	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.43	± 9.6 %
10829	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10830	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.63	± 9.6 %
10831	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.73	± 9.6 %
10832	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.74	± 9.6 %
10833	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10834	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.75	± 9.6 %
10835	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10836	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.66	± 9.6 %
10837	AAD	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.68	± 9.6 %
10839	AAD	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10840	AAD	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.67	± 9.6 %
10841	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.71	± 9.6 %
10843	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.49	± 9.6 %
10844	AAD	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10846	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10854	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10855	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10856	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10857	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10858	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10859	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %

10860	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10861	AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10863	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10864	AAE	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10865	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10866	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10868	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.89	± 9.6 %
10869	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10870	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.86	± 9.6 %
10871	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10872	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.52	± 9.6 %
10873	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	± 9.6 %
10874	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	± 9.6 %
10875	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	± 9.6 %
10876	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.39	± 9.6 %
10877	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	7.95	± 9.6 %
10878	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.41	± 9.6 %
10879	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.12	± 9.6 %
10880	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.38	± 9.6 %
10881	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10882	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.96	± 9.6 %
10883	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.57	± 9.6 %
10884	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.53	± 9.6 %
10885	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	± 9.6 %
10886	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	± 9.6 %
10887	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	± 9.6 %
10888	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.35	± 9.6 %
10889	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.02	± 9.6 %
10890	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.40	± 9.6 %
10891	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.13	± 9.6 %
10892	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.41	± 9.6 %
10897	AAD	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.66	± 9.6 %
10898	AAD	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	± 9.6 %
10899	AAD	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	± 9.6 %
10900	AAD	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10901	AAD	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10902	AAD	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10903	AAD	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10904	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10905	AAD	5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10906	AAD	5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10907	AAD	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.78	± 9.6 %
10908	AAD	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6 %
10909	AAD	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.96	± 9.6 %
10910	AAD	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	± 9.6 %
10911	AAD	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6 %
10912	AAD	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10913	AAD	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10914	AAD	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.85	± 9.6 %
10915	AAD	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	± 9.6 %
10916	AAD	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 9.6 %
10917	AAD	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	± 9.6 %
10918	AAD	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	± 9.6 %
10919	AAD	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	± 9.6 %
10920	AAD	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 9.6 %
10921	AAD	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %

10922	AAD	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.82	± 9.6 %
10923	AAD	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10924	AAD	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10925	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.95	± 9.6 %
10926	AAD	5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10927	AAD	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	± 9.6 %
10928	AAD	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10929	AAD	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10930	AAD	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10931	AAD	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10932	AAB	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10933	AAA	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10934	AAA	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10935	AAA	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10936	AAC	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	± 9.6 %
10937	AAB	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.77	± 9.6 %
10938	AAB	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	± 9.6 %
10939	AAB	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.82	± 9.6 %
10940	AAB	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.89	± 9.6 %
10941	AAB	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	± 9.6 %
10942	AAB	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	± 9.6 %
10943	AAB	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.95	± 9.6 %
10944	AAB	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.81	± 9.6 %
10945	AAB	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	± 9.6 %
10946	AAC	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	± 9.6 %
10947	AAB	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	± 9.6 %
10948	AAB	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	± 9.6 %
10949	AAB	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	± 9.6 %
10950	AAB	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	± 9.6 %
10951	AAB	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.92	± 9.6 %
10952	AAB	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.25	± 9.6 %
10953	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.15	± 9.6 %
10954	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.23	± 9.6 %
10955	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.42	± 9.6 %
10956	AAB	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.14	± 9.6 %
10957	AAC	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.31	± 9.6 %
10958	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.61	± 9.6 %
10959	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.33	± 9.6 %
10960	AAB	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.32	± 9.6 %
10961	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.36	± 9.6 %
10962	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.40	± 9.6 %
10963	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.55	± 9.6 %
10964	AAB	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.29	± 9.6 %
10965	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.37	± 9.6 %
10966	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.55	± 9.6 %
10967	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.42	± 9.6 %
10968	AAB	5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.49	± 9.6 %
10972	AAB	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	11.59	± 9.6 %
10973	AAB	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	9.06	± 9.6 %
10974	AAB	5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz)	5G NR FR1 TDD	10.28	± 9.6 %

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



Appendix E. Conducted RF Output Power Table

The detailed power table are shown as follows.

Full Power level/Default Power level for WWAN

GSM850 Ant1 Default								
GSM850	Burst Average Power (dBm)			Tune-up Limit	Frame-Average Power (dBm)			Tune-up Limit
	128	189	251		128	189	251	
TX Channel	82.2	83.4	84.5	(dBm)	82.2	83.4	84.5	(dBm)
Frequency (MHz)	32.04	32.54	32.47	33.50	23.64	23.54	23.47	24.50
GSM 1 Tx slot	32.54	32.46	32.35	33.50	23.54	23.46	23.35	24.50
GPRS 1 Tx slot	29.49	29.37	29.43	31.00	23.49	23.37	23.43	25.00
GPRS 2 Tx slots	27.70	27.72	27.64	29.50	23.44	23.46	23.38	25.24
GPRS 3 Tx slots	26.31	26.28	26.27	28.00	23.31	23.28	23.27	25.00
EDGE 1 Tx slot	26.98	27.08	27.19	28.50	17.98	18.08	18.19	19.50
EDGE 2 Tx slots	23.96	24.05	24.04	25.50	17.96	18.05	18.04	19.50
EDGE 3 Tx slots	22.27	22.21	22.25	24.00	18.01	17.95	17.99	19.74
EDGE 4 Tx slots	20.75	20.69	20.74	22.50	17.75	17.69	17.74	19.50

GSM1900 Ant1 Default								
GSM1900	Burst Average Power (dBm)			Tune-up Limit	Frame-Average Power (dBm)			Tune-up Limit
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8	(dBm)	1850.2	1880	1909.8	(dBm)
Frequency (MHz)	29.55	29.44	29.34	30.50	20.55	20.44	20.34	21.50
GSM 1 Tx slot	29.35	29.37	29.26	30.50	20.35	20.37	20.26	21.50
GPRS 1 Tx slot	25.61	25.67	25.62	27.50	19.61	19.67	19.62	21.50
GPRS 2 Tx slots	24.04	24.14	24.11	26.00	19.78	19.88	19.85	21.74
GPRS 3 Tx slots	22.82	22.83	22.72	24.50	19.82	19.83	19.72	21.50
GPRS 4 Tx slots	26.38	26.25	26.28	27.50	17.38	17.25	17.28	18.50
EDGE 1 Tx slot	23.08	23.17	23.02	24.50	17.08	17.17	17.02	18.50
EDGE 2 Tx slots	21.97	21.85	21.86	23.00	17.71	17.59	17.60	18.74
EDGE 4 Tx slots	20.74	20.61	20.73	21.50	17.74	17.61	17.73	18.50

WCDMA II Ant1 Default					WCDMA IV Ant1 Default					WCDMA V Ant1 Default				
Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)		
	TX Channel	9262	9400		9538	1312	1413		1513	4132	4182		4233	
Rx Channel		8962	9800	9938		1537	1638	1738		4357	4407	4458		
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6		
3GPP Rel 99	AMR 12.2Kbps	24.10	24.25	24.11	25.00	23.97	24.07	24.03	25.00	24.33	24.44	24.38	25.50	
3GPP Rel 99	RMC 12.2Kbps	24.11	24.26	24.13	25.00	23.99	24.08	24.05	25.00	24.36	24.45	24.41	25.50	
3GPP Rel 6	HSDPA Subtest-1	23.28	23.30	23.06	24.00	23.07	22.84	23.00	24.00	23.42	23.44	23.25	24.50	
3GPP Rel 6	HSDPA Subtest-2	22.96	23.14	23.11	24.00	22.97	23.04	22.83	24.00	23.48	23.42	23.29	24.50	
3GPP Rel 6	HSDPA Subtest-3	22.34	22.33	22.62	23.50	22.47	22.53	22.34	23.50	22.94	22.88	22.80	24.00	
3GPP Rel 6	HSDPA Subtest-4	22.67	22.73	22.59	23.50	22.29	22.49	22.19	23.50	22.91	22.90	22.69	24.00	
3GPP Rel 8	DC-HSDPA Subtest-1	23.29	23.23	23.19	24.00	23.12	23.00	22.96	24.00	23.29	23.37	23.18	24.50	
3GPP Rel 8	DC-HSDPA Subtest-2	23.04	23.29	23.09	24.00	22.79	23.03	22.85	24.00	23.30	23.39	23.05	24.50	
3GPP Rel 8	DC-HSDPA Subtest-3	22.28	22.31	22.63	23.50	22.65	22.61	22.46	23.50	22.80	22.73	22.73	24.00	
3GPP Rel 8	DC-HSDPA Subtest-4	22.60	22.90	22.55	23.50	22.25	22.50	22.33	23.50	22.77	22.85	22.69	24.00	
3GPP Rel 6	HSUPA Subtest-1	23.26	23.27	23.09	24.00	22.78	22.96	23.01	24.00	23.41	23.35	23.27	24.50	
3GPP Rel 6	HSUPA Subtest-2	21.56	21.23	21.38	22.00	21.06	20.98	20.91	22.00	21.37	21.35	21.23	22.50	
3GPP Rel 6	HSUPA Subtest-3	22.25	22.17	22.16	23.00	21.94	22.22	21.76	23.00	22.36	22.27	22.24	23.50	
3GPP Rel 6	HSUPA Subtest-4	21.29	21.12	21.28	22.00	20.70	20.99	20.69	22.00	21.33	21.30	21.26	22.50	
3GPP Rel 6	HSUPA Subtest-5	23.22	23.17	23.13	24.00	22.87	23.11	23.13	24.00	23.40	23.30	23.27	24.50	
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.76	20.86	20.53	21.50	20.35	20.46	20.21	21.50	20.94	20.80	20.88	22.00	



Band 2 Ant1 Default											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
20	QPSK	1	0	24.32	24.36	24.29	25	0			
20	QPSK	1	49	24.27	24.09	24.19					
20	QPSK	1	99	24.07	24.09	24.08					
20	QPSK	50	0	23.13	23.34	23.24					
20	QPSK	50	24	23.07	23.07	23.00	24	1			
20	QPSK	50	50	23.20	23.04	23.28					
20	QPSK	100	0	22.94	23.14	23.09					
20	16QAM	1	0	22.97	22.99	22.93					
20	16QAM	1	49	22.91	23.02	23.09	24	1			
20	16QAM	1	99	22.68	22.81	22.64					
20	16QAM	50	0	22.14	22.25	22.14					
20	16QAM	50	24	22.09	22.04	22.27					
20	16QAM	50	50	21.94	21.83	22.01	23	2			
20	16QAM	100	0	22.18	21.77	21.81					
20	64QAM	1	0	22.07	22.08	21.97					
20	64QAM	1	49	22.19	22.04	22.08					
20	64QAM	1	99	22.15	22.09	22.16	23	2			
20	64QAM	50	0	21.15	21.16	21.36					
20	64QAM	50	24	21.11	21.23	21.15					
20	64QAM	50	50	21.03	20.94	21.40					
20	64QAM	100	0	21.12	21.22	21.09	22	3			
Channel				18675	18800	19125			Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				18575	18880	19025					
15	QPSK	1	0	24.21	24.26	24.17	25	0			
15	QPSK	1	37	24.14	24.14	24.12					
15	QPSK	1	74	23.96	24.04	24.02					
15	QPSK	36	0	23.09	23.29	23.13					
15	QPSK	36	20	22.94	22.96	22.99	24	1			
15	QPSK	36	39	23.13	22.96	23.17					
15	QPSK	75	0	22.92	22.94	22.96					
15	16QAM	1	0	22.82	22.94	22.87					
15	16QAM	1	37	22.80	22.94	23.04	24	1			
15	16QAM	1	74	22.67	22.74	22.75					
15	16QAM	36	0	22.02	22.21	22.10					
15	16QAM	36	20	21.97	22.08	22.15					
15	16QAM	36	39	21.91	21.76	21.91	23	2			
15	16QAM	75	0	22.11	21.70	21.73					
15	64QAM	1	0	22.01	21.97	21.88					
15	64QAM	1	37	22.09	21.98	22.00					
15	64QAM	1	74	22.10	22.08	22.04	23	2			
15	64QAM	36	0	21.09	21.07	21.32					
15	64QAM	36	20	21.00	21.01	21.06					
15	64QAM	36	39	20.91	20.91	21.08					
15	64QAM	75	0	21.04	21.15	20.99	22	3			
Channel				18650	18800	19150			Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				18555	18880	19015					
10	QPSK	1	0	24.18	24.25	24.15	25	0			
10	QPSK	1	25	24.14	24.11	24.09					
10	QPSK	1	49	24.01	23.97	24.03					
10	QPSK	25	0	23.04	23.25	23.18					
10	QPSK	25	12	22.99	22.96	22.96	24	1			
10	QPSK	25	25	23.12	22.93	23.16					
10	QPSK	50	0	22.87	23.03	23.04					
10	16QAM	1	0	22.90	23.02	22.88					
10	16QAM	1	25	22.86	22.94	22.94	24	1			
10	16QAM	1	49	22.75	22.70	22.78					
10	16QAM	25	0	22.01	22.20	22.14					
10	16QAM	25	12	22.07	22.20	22.14					
10	16QAM	25	25	21.91	21.75	21.90	23	2			
10	16QAM	50	0	22.15	21.72	21.72					
10	64QAM	1	0	22.00	21.93	21.96					
10	64QAM	1	25	22.10	21.95	22.00					
10	64QAM	1	49	22.06	22.08	22.12	22	3			
10	64QAM	25	0	21.00	21.15	21.34					
10	64QAM	25	12	21.05	21.14	21.04					
10	64QAM	25	25	20.87	20.91	21.28					
10	64QAM	50	0	20.99	21.17	20.95	21	0			
Channel				18625	18800	19175			Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				18525	18880	19075					
5	QPSK	1	0	24.25	24.21	24.14	25	0			
5	QPSK	1	12	24.15	24.12	24.17					
5	QPSK	1	24	23.98	23.95	24.07					
5	QPSK	12	0	23.06	23.24	23.14					
5	QPSK	12	7	22.96	23.02	23.09	24	1			
5	QPSK	12	13	23.04	23.01	23.12					
5	QPSK	25	0	22.82	23.10	23.09					
5	16QAM	1	0	22.84	23.04	22.81					
5	16QAM	1	12	22.82	22.88	23.03	24	1			
5	16QAM	1	24	22.66	22.67	22.66					
5	16QAM	12	0	22.03	22.22	22.10					
5	16QAM	12	7	22.03	21.99	22.26					
5	16QAM	12	13	21.85	21.79	21.90	23	2			
5	16QAM	25	0	22.14	21.89	21.81					
5	64QAM	1	0	21.98	21.95	21.89					
5	64QAM	1	12	22.06	22.01	22.00					
5	64QAM	1	24	22.07	22.02	22.03	23	2			
5	64QAM	12	0	21.10	21.13	21.36					
5	64QAM	12	7	21.00	21.13	21.13					
5	64QAM	12	13	20.90	20.88	21.31					
5	64QAM	25	0	20.97	21.08	21.00	22	3			
Channel				18615	18800	19185			Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				18515	18880	19085					
3	QPSK	1	0	24.28	24.25	24.19	25	0			
3	QPSK	1	8	24.17	24.06	24.08					
3	QPSK	1	14	24.02	23.94	24.06					
3	QPSK	8	0	23.12	23.29	23.14					
3	QPSK	8	4	22.96	22.97	22.96	24	1			
3	QPSK	8	7	23.03	22.90	23.11					
3	QPSK	15	0	22.88	23.10	23.07					
3	16QAM	1	0	22.92	23.02	22.80					
3	16QAM	1	8	22.76	22.89	23.02	24	1			
3	16QAM	1	14	22.68	22.69	22.63					
3	16QAM	8	0	21.99	22.15	22.19					
3	16QAM	8	4	22.08	22.06	22.10					
3	16QAM	8	7	21.94	21.74	21.92	23	2			
3	16QAM	15	0	22.12	21.72	21.78					
3	64QAM	1	0	21.94	21.95	21.89					
3	64QAM	1	8	22.14	22.05	21.94					
3	64QAM	1	14	22.02	22.01	22.05	23	2			
3	64QAM	8	0	21.07	21.13	21.27					
3	64QAM	8	4	21.07	21.14	21.03					
3	64QAM	8	7	20.91	20.80	21.29					
3	64QAM	15	0	21.10	21.17	20.99	22	3			
Channel				18607	18800	19193			Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				18507	18800	19093					
1.4	QPSK	1	0	24.19	24.26	24.10	25	0			
1.4	QPSK	1	3	24.16	24.15	24.12					
1.4	QPSK	1	5	23.98	24.04	23.99					
1.4	QPSK	3	0	24.17	24.16	24.03					
1.4	QPSK	3	3	24.05	23.97	24.09	24	1			
1.4	QPSK	3	3	23.87	23.96	23.89					
1.4	QPSK	6	0	23.10	23.29	23.14					
1.4	16QAM	1	0	22.94	23.03	22.98					
1.4	16QAM	1	3	23.03	22.90	23.13	24	1			
1.4	16QAM	1	5	22.83	23.11	23.02					
1.4	16QAM	3	0	22.88	22.93	22.85					
1.4	16QAM	3	3	22.86	23.00	23.03					
1.4	16QAM	3	3	22.84	22.89	22.82	23	2			
1.4	16QAM	6	0	21.98	22.22	22.13					
1.4	64QAM	1	0	22.07	21.99	22.15					
1.4	64QAM	1	3	21.88	21.83	21.96					
1.4	64QAM	1	5	22.10	21.73	21.79	23	2			
1.4	64QAM	3	0	21.92	21.88	21.94					
1.4	64QAM	3	1	22.04	22.10	21.98					
1.4	64QAM	3	3	22.10	22.10	22.13					
1.4	64QAM	6	0	21.03	21.08	21.35	22	3			



Band 7 Ant1 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				2510	2535	2560	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	24.40	24.43	24.37	25.5	0
20	QPSK	1	49	24.32	24.30	24.40		
20	QPSK	1	99	24.20	24.35	24.17		
20	QPSK	50	0	23.34	23.44	23.27	24.5	1
20	QPSK	50	24	23.18	23.11	23.27		
20	QPSK	50	50	23.32	23.33	23.24		
20	QPSK	100	0	23.16	23.25	23.22	24.5	1
20	16QAM	1	0	23.33	23.16	23.23		
20	16QAM	1	49	23.11	23.23	23.36		
20	16QAM	1	99	23.17	23.19	23.14	23.5	2
20	16QAM	50	0	22.36	22.47	22.46		
20	16QAM	50	24	22.46	22.33	22.52		
20	16QAM	50	50	22.38	22.13	22.22	22.5	3
20	16QAM	100	0	22.37	22.26	22.28		
20	64QAM	1	0	22.21	22.28	22.34		
20	64QAM	1	49	22.34	22.19	22.39	23.5	2
20	64QAM	1	99	22.27	22.35	22.29		
20	64QAM	50	0	21.32	21.33	21.58		
20	64QAM	50	24	21.39	21.45	21.34	22.5	3
20	64QAM	50	50	21.28	21.16	21.64		
20	64QAM	100	0	21.32	21.39	21.34		
Channel				20625	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				20625	20850	21075		
15	QPSK	1	0	24.32	24.28	24.27	25.5	0
15	QPSK	1	37	24.32	24.21	24.30		
15	QPSK	1	74	24.10	24.26	24.27		
15	QPSK	36	0	23.29	23.43	23.25	24.5	1
15	QPSK	36	20	23.21	23.17	23.25		
15	QPSK	36	39	23.33	23.29	23.23		
15	QPSK	75	0	23.24	23.24	23.25	24.5	1
15	16QAM	1	0	23.20	23.25	23.18		
15	16QAM	1	37	23.27	23.18	23.28		
15	16QAM	1	74	23.22	23.14	23.22	23.5	2
15	16QAM	36	0	22.22	22.41	22.37		
15	16QAM	36	20	22.34	22.28	22.42		
15	16QAM	36	39	22.25	22.22	22.18	23.5	2
15	16QAM	75	0	22.26	22.27	22.26		
15	16QAM	1	0	22.16	22.23	22.25		
15	64QAM	1	37	22.29	22.13	22.27	23.5	2
15	64QAM	1	74	22.20	22.26	22.15		
15	64QAM	36	0	21.19	21.27	21.49		
15	64QAM	36	20	21.25	21.37	21.22	22.5	3
15	64QAM	36	39	21.16	21.25	21.51		
15	64QAM	75	0	21.20	21.27	21.30		
Channel				20900	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				20900	21050	21200		
10	QPSK	1	0	24.26	24.34	24.24	25.5	0
10	QPSK	1	25	24.37	24.20	24.32		
10	QPSK	1	49	24.16	24.32	24.14		
10	QPSK	25	0	23.37	23.44	23.24	24.5	1
10	QPSK	25	12	23.15	23.12	23.26		
10	QPSK	25	25	23.29	23.33	23.21		
10	QPSK	50	0	23.27	23.25	23.25	24.5	1
10	16QAM	1	0	23.24	23.13	23.26		
10	16QAM	1	25	23.29	23.14	23.22		
10	16QAM	1	49	23.15	23.29	23.24	23.5	2
10	16QAM	25	0	22.27	22.40	22.42		
10	16QAM	25	12	22.33	22.19	22.40		
10	16QAM	25	25	22.41	22.29	22.27	23.5	2
10	16QAM	50	0	22.33	22.25	22.35		
10	64QAM	1	0	22.26	22.25	22.29		
10	64QAM	1	25	22.27	22.28	22.31	23.5	2
10	64QAM	1	49	22.22	22.29	22.16		
10	64QAM	25	0	21.19	21.24	21.45		
10	64QAM	25	12	21.31	21.33	21.22	22.5	3
10	64QAM	25	25	21.14	21.29	21.51		
10	64QAM	50	0	21.28	21.27	21.25		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				20775	21025	21375		
5	QPSK	1	0	24.26	24.30	24.27	25.5	0
5	QPSK	1	12	24.32	24.19	24.32		
5	QPSK	1	24	24.17	24.20	24.10		
5	QPSK	12	0	23.24	23.29	23.17	24.5	1
5	QPSK	12	7	23.17	23.27	23.31		
5	QPSK	12	13	23.34	23.35	23.29		
5	QPSK	25	0	23.22	23.27	23.28	24.5	1
5	16QAM	1	0	23.28	23.23	23.29		
5	16QAM	1	12	23.25	23.10	23.23		
5	16QAM	1	24	23.24	23.13	23.21	23.5	2
5	16QAM	12	0	22.30	22.43	22.41		
5	16QAM	12	7	22.42	22.21	22.47		
5	16QAM	12	13	22.30	22.29	22.15	23.5	2
5	16QAM	25	0	22.28	22.21	22.24		
5	64QAM	1	0	22.13	22.24	22.23		
5	64QAM	1	12	22.28	22.15	22.38	23.5	2
5	64QAM	1	24	22.13	22.25	22.21		
5	64QAM	12	0	21.28	21.30	21.52		
5	64QAM	12	7	21.29	21.37	21.21	22.5	3
5	64QAM	12	13	21.19	21.10	21.53		
5	64QAM	25	0	21.24	21.33	21.21		

Band 12 Ant1 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23650	23695	23735	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				23650	23695	23735		
10	QPSK	1	0	24.51	24.70	24.54	25.5	0
10	QPSK	1	25	24.45	24.52	24.39		
10	QPSK	1	49	24.31	24.32	24.32		
10	QPSK	25	0	23.41	23.52	23.46	24.5	1
10	QPSK	25	12	23.36	23.44	23.36		
10	QPSK	25	25	23.41	23.48	23.46		
10	QPSK	50	0	23.39	23.44	23.35	24.5	1
10	16QAM	1	0	23.38	23.36	23.32		
10	16QAM	1	25	23.50	23.47	23.51		
10	16QAM	1	49	23.63	23.66	23.64	23.5	2
10	16QAM	25	0	22.47	22.40	22.44		
10	16QAM	25	12	22.43	22.42	22.50		
10	16QAM	25	25	22.51	22.52	22.51	22.5	3
10	16QAM	50	0	22.51	22.49	22.50		
10	64QAM	1	0	22.47	22.45	22.58		
10	64QAM	1	25	22.33	22.38	22.31	23.5	2
10	64QAM	1	49	22.49	22.31	22.26		
10	64QAM	25	0	21.44	21.46	21.52		
10	64QAM	25	12	21.40	21.34	21.45	22.5	3
10	64QAM	25	25	21.47	21.41	21.38		
10	64QAM	50	0	21.57	21.35	21.49		
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				23035	23075	23135		
5	QPSK	1	0	24.37	24.45	24.37	25.5	0
5	QPSK	1	12	24.41	24.40	24.28		
5	QPSK	1	24	24.44	24.39	24.49		
5	QPSK	12	0	23.38	23.39	23.41	24.5	1
5	QPSK	12	7	23.20	23.32	23.33		
5	QPSK	12	13	23.32	23.33	23.41		
5	QPSK	25	0	23.29	23.40	23.27	24.5	1
5	16QAM	1	0	23.24	23.21	23.46		
5	16QAM	1	12	23.41	23.43	23.37		
5	16QAM	1	24	23.58	23.57	23.51	23.5	2
5	16QAM	12	0	22.38	22.27	22.41		
5	16QAM	12	7	22.35	22.32	22.38		
5	16QAM	12	13	22.39	22.38	22.38	23.5	2
5	16QAM	25	0	22.41	22.35	22.39		
5	64QAM	1	0	22.33	22.41	22.50		
5	64QAM	1	12	22.20	22.29	22.48	23.5	2
5	64QAM	1	24	22.43	22.22	22.44		
5	64QAM	12	0	21.32	21.42	21.45		
5	64QAM	12	7	21.32	21.23	21.34	22.5	3
5	64QAM	12	13	21.44	21.28	21.34		
5	64QAM	25	0	21.53	21.29	21.42		
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)



Band 17 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23760	23790	23800			
Frequency (MHz)				706	710	711			
10	QPSK	1	0	24.60	24.68	24.61	25.5	0	
10	QPSK	1	25	24.51	24.57	24.50			
10	QPSK	1	49	24.49	24.59	24.61			
10	QPSK	25	0	23.50	23.64	23.74	24.5	1	
10	QPSK	25	12	23.79	23.76	23.78			
10	QPSK	25	25	23.77	23.79	23.70			
10	QPSK	50	0	23.50	23.56	23.41	24.5	1	
10	16QAM	1	0	23.54	23.57	23.55			
10	16QAM	1	25	23.72	23.74	23.77			
10	16QAM	1	49	23.89	23.79	23.91	23.5	2	
10	16QAM	25	0	22.61	22.60	22.64			
10	16QAM	25	12	22.57	22.50	22.52			
10	16QAM	25	25	22.71	22.48	22.50	23.5	2	
10	16QAM	50	0	22.60	22.51	22.58			
10	64QAM	1	0	22.60	22.53	22.58			
10	64QAM	1	25	22.63	22.51	22.70	22.5	3	
10	64QAM	1	49	22.69	22.59	22.54			
10	64QAM	25	0	21.53	21.57	21.57			
10	64QAM	25	12	21.74	21.77	21.69	22.5	3	
10	64QAM	25	25	21.67	21.74	21.65			
10	64QAM	50	0	21.66	21.64	21.55			
Channel				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	24.46	24.40	24.56	25.5	0	
5	QPSK	1	12	24.47	24.47	24.37			
5	QPSK	1	24	24.42	24.48	24.53			
5	QPSK	12	0	23.35	23.80	23.61	24.5	1	
5	QPSK	12	7	23.69	23.70	23.66			
5	QPSK	12	13	23.74	23.70	23.56			
5	QPSK	25	0	23.49	23.64	23.57	24.5	1	
5	16QAM	1	0	23.43	23.45	23.42			
5	16QAM	1	12	23.60	23.61	23.64			
5	16QAM	1	24	23.62	23.68	23.81	23.5	2	
5	16QAM	12	0	22.53	22.49	22.51			
5	16QAM	12	7	22.49	22.40	22.46			
5	16QAM	12	13	22.63	22.35	22.46	23.5	2	
5	16QAM	25	0	22.46	22.36	22.44			
5	64QAM	1	0	22.55	22.49	22.48			
5	64QAM	1	12	22.53	22.43	22.65	22.5	3	
5	64QAM	1	24	22.64	22.53	22.44			
5	64QAM	12	0	21.42	21.46	21.50			
5	64QAM	12	7	21.65	21.64	21.64	22.5	3	
5	64QAM	12	13	21.54	21.65	21.58			
5	64QAM	25	0	21.63	21.59	21.41			

Band 26 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	24.57	24.65	24.60	25.5	0	
15	QPSK	1	37	24.54	24.55	24.44			
15	QPSK	1	74	24.53	24.59	24.52			
15	QPSK	36	0	23.80	23.81	23.76	24.5	1	
15	QPSK	36	20	23.86	23.72	23.79			
15	QPSK	36	39	23.84	23.66	23.69			
15	QPSK	75	0	23.74	23.90	23.58	24.5	1	
15	16QAM	1	0	23.71	23.71	23.89			
15	16QAM	1	37	23.71	23.71	23.61			
15	16QAM	1	74	23.84	23.72	23.77	23.5	2	
15	16QAM	36	0	22.66	22.84	22.81			
15	16QAM	36	20	22.59	22.58	22.63			
15	16QAM	36	39	22.72	22.73	22.73	23.5	2	
15	16QAM	75	0	22.71	22.63	22.69			
15	64QAM	1	0	22.86	22.80	22.73			
15	64QAM	1	37	22.75	22.77	22.74	23.5	2	
15	64QAM	1	74	22.69	22.64	22.72			
15	64QAM	36	0	21.82	21.86	21.88			
15	64QAM	36	20	21.88	21.76	21.84	22.5	3	
15	64QAM	36	39	21.84	21.82	21.79			
15	64QAM	75	0	21.68	21.68	21.65			
Channel				26740	26865	26990	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	24.53	24.58	24.51	25.5	0	
10	QPSK	1	25	24.48	24.44	24.37			
10	QPSK	1	49	24.39	24.52	24.45			
10	QPSK	25	0	23.74	23.75	23.64	24.5	1	
10	QPSK	25	12	23.59	23.67	23.73			
10	QPSK	25	25	23.54	23.53	23.55			
10	QPSK	50	0	23.70	23.67	23.44	24.5	1	
10	16QAM	1	0	23.59	23.62	23.86			
10	16QAM	1	25	23.81	23.56	23.50			
10	16QAM	1	49	23.54	23.63	23.73	23.5	2	
10	16QAM	25	0	22.53	22.58	22.66			
10	16QAM	25	12	22.53	22.44	22.80			
10	16QAM	25	25	22.59	22.58	22.59	23.5	2	
10	16QAM	50	0	22.62	22.51	22.85			
10	64QAM	1	0	22.81	22.68	22.64			
10	64QAM	1	25	22.67	22.66	22.66	23.5	2	
10	64QAM	1	49	22.56	22.55	22.62			
10	64QAM	25	0	21.70	21.61	21.73			
10	64QAM	25	12	21.81	21.67	21.73	22.5	3	
10	64QAM	25	25	21.52	21.49	21.65			
10	64QAM	50	0	21.63	21.60	21.59			
Channel				26715	26865	27015	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	24.53	24.51	24.45	25.5	0	
5	QPSK	1	12	24.42	24.42	24.34			
5	QPSK	1	24	24.43	24.46	24.48			
5	QPSK	12	0	23.77	23.69	23.66	24.5	1	
5	QPSK	12	7	23.59	23.65	23.71			
5	QPSK	12	13	23.59	23.53	23.56			
5	QPSK	25	0	23.70	23.72	23.49	24.5	1	
5	16QAM	1	0	23.63	23.58	23.82			
5	16QAM	1	12	23.80	23.67	23.56			
5	16QAM	1	24	23.54	23.63	23.64	24.5	1	
5	16QAM	12	0	22.62	22.50	22.69			
5	16QAM	12	7	22.52	22.47	22.52			
5	16QAM	12	13	22.62	22.68	22.69	23.5	2	
5	16QAM	25	0	22.56	22.50	22.58			
5	64QAM	1	0	22.83	22.76	22.63			
5	64QAM	1	12	22.88	22.63	22.62	23.5	2	
5	64QAM	1	24	22.62	22.57	22.62			
5	64QAM	12	0	21.69	21.60	21.75			
5	64QAM	12	7	21.80	21.65	21.73	22.5	3	
5	64QAM	12	13	21.53	21.48	21.71			
5	64QAM	25	0	21.61	21.64	21.58			
Channel				26705	26865	27025	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	24.45	24.52	24.53	25.5	0	
3	QPSK	1	8	24.44	24.41	24.32			
3	QPSK	1	14	24.41	24.53	24.41			
3	QPSK	8	0	23.77	23.74	23.72	24.5	1	
3	QPSK	8	4	23.59	23.68	23.65			
3	QPSK	8	7	23.59	23.54	23.59			
3	QPSK	15	0	23.69	23.68	23.44	24.5	1	
3	16QAM	1	0	23.57	23.64	23.86			
3	16QAM	1	8	23.65	23.53	23.49	24.5	1	
3	16QAM	1	14	23.53	23.62	23.70			
3	16QAM	8	0	22.54	22.52	22.76	23.5	2	
3	16QAM	8	4	22.55	22.49	22.50			
3	16QAM	8	7	22.62	22.68	22.64	23.5	2	
3	16QAM	15	0	22.63	22.58	22.65			
3	16QAM	15	7	22.65	22.52	22.68	23.5	2	
3	64QAM	1	8	22.68	22.71	22.62			
3	64QAM	1	14	22.64	22.51	22.64	22.5	3	
3	64QAM	8	0	21.77	21.60	21.76			
3	64QAM	8	4	21.83	21.69	21.71	22.5	3	
3	64QAM	8	7	21.59	21.47	21.70			
3	64QAM	15	0	21.58	21.51	21.58	22.5	3	
3	64QAM	15	7	21.59	21.47	21.70			
Channel				26997	26965 <th>27033</th> <th>Tune-up limit (dbm)</th> <th>MPR (db)</th> <th></th>	27033	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	24.45	24.51	24.55	25.5	0	
1.4	QPSK	1	3	24.42	24.46	24.39			
1.4	QPSK	1	5	24.41	24.54	24.48			
1.4	QPSK	1	3	24.46	24.48	24.45	24.5	1	
1.4	QPSK	3	1	24.37	24.39	24.33			
1.4	QPSK	3	1	24.34	24.48	24.32			
1.4	QPSK	6	0	23.67	23.76	23.63	24.5	1	
1.4	16QAM	1	0	23.58	23.63	23.68			
1.4	16QAM	1	3	23.51	23.52	23.59			
1.4	16QAM	1	5	23.69	23.74	23.54	24.5	1	
1.4	16QAM	1	3	23.58	23.61	23.78			
1.4	16QAM	3	1	23.65	23.66	23.54			
1.4	16QAM	3	3	23.60	23.63	23.64	23.5	2	
1.4	16QAM	6	0	22.63	22.57	22.70			
1.4	64QAM	1	0	22.44	22.55	22.49	23.5	2	
1.4	64QAM	1	3	22.58	22.67	22.69			
1.4	64QAM	1	5	22.58	22.60	22.63	23.5	2	
1.4	64QAM	1	8	22.61	22.62	22.59			
1.4	64QAM	3	1	22.66	22.64	22.62	22.5	3	
1.4	64QAM	3	3	22.59	22.51	22.60			
1.4	64QAM	6	0	21.72	21.51	21.74	22.5	3	



Band 2 Ant2 Default													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)					
Channel													
Frequency (MHz)													
20	QPSK	1	0	21.06	21.15	21.14	23	0					
20	QPSK	1	49	21.07	21.03	21.06							
20	QPSK	1	99	21.08	21.10	21.08							
20	QPSK	50	0	20.29	20.31	20.27	22	1					
20	QPSK	50	24	20.10	20.15	20.21							
20	QPSK	50	50	20.11	20.16	20.20							
20	QPSK	100	0	20.24	20.29	20.25	22	1					
20	16QAM	1	0	20.26	20.22	20.20							
20	16QAM	1	49	20.17	20.19	20.26							
20	16QAM	1	99	20.15	20.17	20.15	22	1					
20	16QAM	50	0	19.29	19.30	19.24							
20	16QAM	50	24	19.25	19.25	19.24							
20	16QAM	50	50	19.25	19.24	19.19	21	2					
20	16QAM	100	0	19.36	19.29	19.24							
20	64QAM	1	0	19.12	19.18	19.14							
20	64QAM	1	49	19.15	19.11	19.15	21	2					
20	64QAM	1	99	19.08	19.15	19.13							
20	64QAM	50	0	18.30	18.27	18.26							
20	64QAM	50	24	18.25	18.19	18.17	20	3					
20	64QAM	50	50	18.20	18.21	18.23							
20	64QAM	100	0	18.24	18.22	18.23							
Channel													
Frequency (MHz)													
15	QPSK	1	0	18.675	18.600	19.125	Tune-up limit (dBm)	MPR (dB)					
15	QPSK	1	0	18.675	18.600	19.125							
15	QPSK	1	37	21.06	21.04	21.00							
15	QPSK	1	74	21.02	21.02	21.01	23	0					
15	QPSK	36	0	20.23	20.20	20.27							
15	QPSK	36	20	20.03	20.07	20.15							
15	QPSK	36	39	20.04	20.09	20.10	22	1					
15	QPSK	36	20	20.22	20.22	20.23							
15	16QAM	1	0	20.19	20.13	20.13							
15	16QAM	1	37	20.09	20.11	20.21	22	1					
15	16QAM	1	74	20.06	20.12	20.07							
15	16QAM	36	0	19.22	19.24	19.15							
15	16QAM	36	20	19.17	19.16	19.15	21	2					
15	16QAM	36	39	19.18	19.19	19.14							
15	16QAM	75	0	19.28	19.21	19.16							
15	64QAM	1	0	19.05	19.13	19.08	21	2					
15	64QAM	1	37	19.08	19.04	19.06							
15	64QAM	1	74	19.02	19.08	19.06							
15	64QAM	36	0	18.24	18.22	18.17	20	3					
15	64QAM	36	20	18.17	18.10	18.08							
15	64QAM	36	39	18.15	18.12	18.17							
15	64QAM	75	0	18.16	18.16	18.14	Tune-up limit (dBm)	MPR (dB)					
Channel													
Frequency (MHz)													
10	QPSK	1	0	18.655	18.600	19.025	Tune-up limit (dBm)	MPR (dB)					
10	QPSK	1	0	18.655	18.600	19.025							
10	QPSK	1	25	21.02	21.09	21.03							
10	QPSK	1	49	21.02	21.02	21.02	23	0					
10	QPSK	25	0	20.22	20.22	20.25							
10	QPSK	25	12	20.04	20.10	20.14							
10	QPSK	25	25	20.05	20.08	20.07	22	1					
10	QPSK	50	0	20.22	20.19	20.27							
10	16QAM	1	0	20.20	20.13	20.13							
10	16QAM	1	25	20.11	20.13	20.20	22	1					
10	16QAM	1	49	20.06	20.09	20.07							
10	16QAM	25	0	19.21	19.24	19.15							
10	16QAM	25	12	19.18	19.15	19.18	21	2					
10	16QAM	25	25	19.16	19.18	19.14							
10	16QAM	50	0	19.27	19.22	19.19							
10	64QAM	1	0	19.04	19.10	19.09	21	2					
10	64QAM	1	25	19.08	19.02	19.09							
10	64QAM	1	49	19.00	19.06	19.06							
10	64QAM	25	0	18.24	18.20	18.18	20	3					
10	64QAM	25	12	18.16	18.13	18.09							
10	64QAM	25	25	18.11	18.15	18.15							
10	64QAM	50	0	18.16	18.16	18.17	Tune-up limit (dBm)	MPR (dB)					
Channel													
Frequency (MHz)													
5	QPSK	1	0	21.03	21.08	21.05	Tune-up limit (dBm)	MPR (dB)					
5	QPSK	1	12	21.01	21.09	21.03							
5	QPSK	1	24	21.04	21.04	21.01							
5	QPSK	12	0	20.23	20.20	20.25	23	0					
5	QPSK	12	7	20.01	20.09	20.15							
5	QPSK	12	13	20.03	20.08	20.10							
5	QPSK	25	0	20.22	20.22	20.23	22	1					
5	16QAM	1	0	20.20	20.15	20.13							
5	16QAM	1	12	20.08	20.12	20.18							
5	16QAM	1	24	20.07	20.10	20.08	22	1					
5	16QAM	12	0	19.23	19.23	19.19							
5	16QAM	12	7	19.20	19.13	19.18							
5	16QAM	12	13	19.17	19.17	19.11	21	2					
5	16QAM	25	0	19.29	19.20	19.16							
5	64QAM	1	0	19.06	19.13	19.09							
5	64QAM	1	12	19.09	19.05	19.08	21	2					
5	64QAM	1	24	19.06	19.06	19.07							
5	64QAM	12	0	18.25	18.21	18.18							
5	64QAM	12	7	18.19	18.10	18.12	20	3					
5	64QAM	12	13	18.14	18.15	18.16							
5	64QAM	25	0	18.18	18.17	18.16							
Channel													
Frequency (MHz)													
3	QPSK	1	0	21.00	21.10	21.05	Tune-up limit (dBm)	MPR (dB)					
3	QPSK	1	8	21.05	21.05	21.00							
3	QPSK	1	14	21.01	21.03	21.00							
3	QPSK	6	0	20.21	20.21	20.25	23	0					
3	QPSK	6	4	20.04	20.09	20.14							
3	QPSK	6	7	20.03	20.10	20.07							
3	QPSK	15	0	20.25	20.18	20.23	22	1					
3	16QAM	1	0	20.19	20.14	20.12							
3	16QAM	1	8	20.11	20.11	20.17							
3	16QAM	1	14	20.06	20.09	20.08	22	1					
3	16QAM	8	0	19.23	19.22	19.18							
3	16QAM	8	4	19.19	19.15	19.17							
3	16QAM	8	7	19.17	19.16	19.11	21	2					
3	16QAM	15	0	19.30	19.22	19.18							
3	64QAM	1	0	19.07	19.12	19.06							
3	64QAM	1	8	19.09	19.03	19.09	21	2					
3	64QAM	1	14	19.06	19.05	19.05							
3	64QAM	8	0	18.23	18.19	18.19							
3	64QAM	8	4	18.16	18.13	18.08	20	3					
3	64QAM	8	7	18.12	18.13	18.15							
3	64QAM	15	0	18.16	18.15	18.17							
Channel													
Frequency (MHz)													
1.4	QPSK	1	0	21.00	21.00	21.00	Tune-up limit (dBm)	MPR (dB)					
1.4	QPSK	1	0	21.00	21.06	21.06							
1.4	QPSK	1	3	12.07	12.09	12.05							
1.4	QPSK	1	5	21.02	21.04	21.03	23	0					
1.4	QPSK	3	0	21.00	21.10	21.09							
1.4	QPSK	3	1	21.03	21.09	21.09							
1.4	QPSK	3	3	21.03	21.03	21.01	22	1					
1.4	QPSK	1	0	20.24	20.25	20.24							
1.4	16QAM	1	0	20.19	20.14	20.14							
1.4	16QAM	1	3	20.11	20.14	20.21	22	1					
1.4	16QAM	1	5	20.07	20.12	20.06							
1.4	16QAM	3	0	20.21	20.18	20.24							
1.4	16QAM	3	1	19.19	19.17	19.14	22	1					
1.4	16QAM	3	3	20.19	20.17	20.14							
1.4	16QAM	3	5	20.12	20.12	20.12							
1.4	64QAM	1	0	19.31	19.21	19.16	21	2					
1.4	64QAM	1	3	19.07	19.11	19.05							
1.4	64QAM	1	3	19.09	19.04	19.08							
1.4	64QAM	1	5	19.02	19.02	19.06	21	2					
1.4	64QAM	3	0	19.06	19.12	19.08							
1.4	64QAM	3	1	19.06	19.03	19.03							
1.4	64QAM	3	3	19.03	19.09	19.05	20	3					
1.4	64QAM	6	0	18.15	18.15	18.16							

Band 38 Ant2 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	21.18	21.33	21.20	23	0		
20	QPSK	1	49	21.10	21.21	21.13				
20	QPSK	1	99	21.13	21.24	21.15				
20	QPSK	50	0	20.32	20.38	20.35	22	1		
20	QPSK	50	24	20.18	20.26	20.19				
20	QPSK	50	50	20.21	20.27	20.19				
20	QPSK	100	0	20.15	20.24	20.14	22	1		
20	16QAM	1	0	20.22	20.27	20.16				
20	16QAM	1	49	20.31	20.38	20.28				
20	16QAM	1	99	20.18	20.29	20.19	21	2		
20	16QAM	50	0	19.18	19.25	19.11				
20	16QAM	50	24	19.08	19.23	19.12				
20	16QAM	50	50	19.12	19.27	19.15	21	2		
20	16QAM	100	0	19.06	19.21	19.10				
20	64QAM	1	0	19.08	19.14	19.05				
20	64QAM	1	49	19.11	19.22	19.19	21	2		
20	64QAM	1	99	19.08	19.16	19.07				
20	64QAM	50	0	18.26	18.37	18.32				
20	64QAM	50	24	18.34	18.38	18.25	20	3		
20	64QAM	50	50	18.23	18.36	18.22				
20	64QAM	100	0	18.27	18.34	18.22				
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	21.07	21.28	21.06	23	0		
15	QPSK	1	37	21.03	21.12	21.13				
15	QPSK	1	74	21.08	21.10	21.10				
15	QPSK	36	0	20.21	20.24	20.24	22	1		
15	QPSK	36	20	20.11	20.11	20.12				
15	QPSK	36	39	20.15	20.17	20.10				
15	QPSK	75	0	20.04	20.19	20.03	22	1		
15	16QAM	1	0	20.10	20.22	20.07				
15	16QAM	1	37	20.27	20.23	20.24				
15	16QAM	1	74	20.07	20.16	20.15	21	2		
15	16QAM	36	0	19.14	19.12	19.01				
15	16QAM	36	20	19.00	19.16	19.06				
15	16QAM	36	39	19.04	19.21	19.08	21	2		
15	16QAM	75	0	19.02	19.09	19.05				
15	64QAM	1	0	19.00	19.02	19.05				
15	64QAM	1	37	19.02	19.11	19.13	21	2		
15	64QAM	1	74	19.03	19.03	19.22				
15	64QAM	36	0	18.17	18.34	18.24				
15	64QAM	36	20	18.28	18.31	18.11	20	3		
15	64QAM	36	39	18.16	18.32	18.08				
15	64QAM	75	0	18.19	18.19	18.15				
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	21.15	21.22	21.11	23	0		
10	QPSK	1	25	21.04	21.08	21.00				
10	QPSK	1	49	21.02	21.10	21.10				
10	QPSK	25	0	20.23	20.32	20.25	22	1		
10	QPSK	25	12	20.12	20.22	20.06				
10	QPSK	25	25	20.18	20.15	20.06				
10	QPSK	50	0	20.05	20.21	20.01	22	1		
10	16QAM	1	0	20.18	20.19	20.13				
10	16QAM	1	25	20.20	20.28	20.17				
10	16QAM	1	49	20.13	20.14	20.06	21	2		
10	16QAM	25	0	19.12	19.12	19.01				
10	16QAM	25	12	19.11	19.20	19.07				
10	16QAM	25	25	19.03	19.23	19.04	21	2		
10	16QAM	50	0	19.03	19.12	19.02				
10	64QAM	1	0	19.05	19.01	19.05				
10	64QAM	1	25	19.03	19.09	19.12	21	2		
10	64QAM	1	49	19.04	19.05	19.11				
10	64QAM	25	0	18.11	18.23	18.23				
10	64QAM	25	12	18.29	18.31	18.22	20	3		
10	64QAM	25	25	18.19	18.23	18.10				
10	64QAM	50	0	18.17	18.27	18.10				
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	21.05	21.19	21.12	23	0		
5	QPSK	1	12	21.02	21.16	21.07				
5	QPSK	1	24	21.22	21.10	21.03				
5	QPSK	12	0	20.23	20.24	20.30	22	1		
5	QPSK	12	7	20.05	20.15	20.06				
5	QPSK	12	13	20.18	20.16	20.15				
5	QPSK	25	0	20.06	20.19	20.03	22	1		
5	16QAM	1	0	20.15	20.19	20.12				
5	16QAM	1	12	20.27	20.27	20.21				
5	16QAM	1	24	20.11	20.15	20.09	21	2		
5	16QAM	12	0	19.13	19.14	19.03				
5	16QAM	12	7	19.00	19.14	19.04				
5	16QAM	12	13	19.01	19.15	19.10	21	2		
5	16QAM	25	0	19.24	19.08	19.01				
5	64QAM	1	0	19.16	19.11	19.03				
5	64QAM	1	12	19.02	19.15	19.15	21	2		
5	64QAM	1	24	19.01	19.07	19.03				
5	64QAM	12	0	18.22	18.28	18.29				
5	64QAM	12	7	18.24	18.29	18.14	20	3		
5	64QAM	12	13	18.14	18.25	18.15				
5	64QAM	25	0	18.12	18.29	18.16				

Band 41 Ant2 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	21.30	21.21	21.34	21.20	21.31	23	0
20	QPSK	1	49	21.25	21.28	21.31	21.25	21.19		
20	QPSK	1	99	21.24	21.23	21.27	21.18	21.12		
20	QPSK	50	0	20.23	20.26	20.36	20.24	20.23	22	1
20	QPSK	50	24	20.17	20.29	20.32	20.29	20.21		
20	QPSK	50	50	20.20	20.13	20.28	20.20	20.24		
20	QPSK	100	0	20.18	20.26	20.33	20.29	20.22	22	1
20	16QAM	1	0	20.15	20.20	20.29	20.19	20.23		
20	16QAM	1	49	20.32	20.32	20.38	20.29	20.23		
20	16QAM	1	99	20.19	20.19	20.31	20.24	20.25	21	2
20	16QAM	50	0	19.08	19.10	19.23	19.19	19.17		
20	16QAM	50	24	19.25	19.14	19.29	19.19	19.21		
20	16QAM	50	50	19.24	19.28	19.31	19.28	19.27	21	2
20	16QAM	100	0	19.18	19.18	19.28	19.24	19.24		
20	64QAM	1	0	19.11	19.07	19.18	19.13	19.14		
20	64QAM	1	49	19.15	19.12	19.27	19.21	19.17	21	2
20	64QAM	1	99	19.14	19.08	19.19	19.05	19.12		
20	64QAM	50	0	18.17	18.11	18.25	18.21	18.15		
20	64QAM	50	24	18.23	18.25	18.28	18.18	18.16	20	3
20	64QAM	50	50	18.17	18.17	18.26	18.21	18.14		
20	64QAM	100	0	18.10	18.18	18.24	18.16	18.13		
Channel				39725	40175	40620	41055	41455	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.5	2682.5		
15	QPSK	1	0	21.15	21.14	21.31	21.06	21.18	23.00	0
15	QPSK	1	37	21.14	21.15	21.20	21.15	21.06		
15	QPSK	1	74	21.12	21.15	21.18	21.07	21.05		
15	QPSK	38	0	20.15	20.14	20.22	20.17	20.12	22	1
15	QPSK	36	20	20.10	20.22	20.27	20.17	20.13		
15	QPSK	36	39	20.06	20.08	20.21	20.10	20.21		
15	QPSK	75	0	20.15	20.11	20.30	20.23	20.12	22	1
15	16QAM	1	0	20.04	20.13	20.25	20.15	20.17		
15	16QAM	1	37	20.25	20.28	20.29	20.24	20.09		
15	16QAM	1	74	20.06	20.13	20.18	20.11	20.20	21	2
15	16QAM	38	0	19.03	19.05	19.18	19.09	19.03		
15	16QAM	36	20	19.17	19.06	19.18	19.06	19.13		
15	16QAM	36	39	19.13	19.20	19.26	19.16	19.17	21	2
15	16QAM	75	0	19.09	19.10	19.18	19.19	19.21		
15	64QAM	1	0	19.00	19.02	19.04	19.01	19.07		
15	64QAM	1	37	19.08	19.06	19.21	19.14	19.03	21	2
15	64QAM	1	74	19.09	19.04	19.12	19.05	19.05		
15	64QAM	36	0	18.03	18.03	18.16	18.11	18.06		
15	64QAM	36	20	18.09	18.21	18.22	18.10	18.08	20	3
15	64QAM	36	39	18.07	18.09	18.16	18.09	18.04		
15	64QAM	75	0	18.03	18.04	18.13	18.08	18.04		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	21.27	21.12	21.24	21.05	21.28	23.00	0
10	QPSK	1	25	21.16	21.14	21.24	21.10	21.09		
10	QPSK	1	49	21.14	21.08	21.13	21.13	21.03		
10	QPSK	25	0	20.11	20.17	20.30	20.16	20.17	22	1
10	QPSK	25	12	20.12	20.20	20.29	20.24	20.09		
10	QPSK	25	25	20.15	20.10	20.14	20.15	20.17		
10	QPSK	50	0	20.11	20.15	20.29	20.15	20.10	22	1
10	16QAM	1	0	20.09	20.08	20.18	20.07	20.10		
10	16QAM	1	25	20.25	20.28	20.28	20.16	20.10		
10	16QAM	1	49	20.16	20.11	20.18	20.14	20.20	21	2
10	16QAM	25	0	19.06	19.01	19.13	19.07	19.04		
10	16QAM	25	12	19.12	19.04	19.18	19.13	19.08		
10	16QAM	25	25	19.09	19.22	19.20	19.23	19.21	21	2
10	16QAM	50	0	19.09	19.07	19.21	19.18	19.10		
10	64QAM	1	0	19.03	19.05	19.05	19.02	19.07		
10	64QAM	1	25	19.10	19.07	19.17	19.06	19.06	21	2
10	64QAM	1	49	19.02	19.03	19.09	19.05	19.06		
10	64QAM	25	0	18.12	18.03	18.15	18.08	18.10		
10	64QAM	25	12	18.14	18.20	18.15	18.05	18.01	20	3
10	64QAM	25	25	18.08	18.11	18.14	18.12	18.01		
10	64QAM	50	0	18.06	18.15	18.17	18.05	18.06		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	21.19	21.10	21.29	21.05	21.17	23.00	0
5	QPSK	1	12	21.21	21.19	21.20	21.14	21.15		
5	QPSK	1	24	21.12	21.18	21.22	21.10	21.05		
5	QPSK	12	0	20.17	20.15	20.24	20.10	20.12	22	1
5	QPSK	12	7	20.04	20.23	20.26	20.14	20.17		
5	QPSK	12	13	20.10	20.08	20.18	20.11	20.20		
5	QPSK	25	0	20.13	20.18	20.28	20.17	20.08	22	1
5	16QAM	1	0	20.06	20.11	20.21	20.09	20.14		
5	16QAM	1	12	20.22	20.24	20.32	20.25	20.16		
5	16QAM	1	24	20.06	20.10	20.24	20.11	20.17	21	2
5	16QAM	12	0	19.11	19.05	19.10	19.08	19.04		
5	16QAM	12	7	19.14	19.08	19.23	19.15	19.11		
5	16QAM	12	13	19.20	19.21	19.23	19.16	19.22	21	2
5	16QAM	25	0	19.11	19.09	19.18	19.16	19.18		
5	64QAM	1	0	19.03	19.05	19.12	19.06	19.02		
5	64QAM	1	12	19.09	19.02	19.21	19.13	19.08	21	2
5	64QAM	1	24	19.01	19.05	19.09	19.05	19.06		
5	64QAM	12	0	18.08	18.01	18.15	18.10	18.02		
5	64QAM	12	7	18.16	18.14	18.17	18.07	18.10	20	3
5	64QAM	12	13	18.07	18.10	18.14	18.12	18.01		
5	64QAM	25	0	18.01	18.05	18.10	18.05	18.07		

		GSM850 Ant4 Default						
GSM850	Burst-Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	32.95	32.81	32.61	33.50	23.95	23.81	23.61	24.50
GSM 1 Tx slot	32.92	32.74	32.64	33.50	23.92	23.74	23.64	24.50
GPRS 1 Tx slots	30.43	30.47	30.45	31.00	24.43	24.47	24.45	25.00
GPRS 2 Tx slots	29.44	29.46	29.40	29.50	25.18	25.20	25.14	25.24
GPRS 3 Tx slots	27.16	27.18	27.15	28.00	24.16	24.18	24.15	25.00
GPRS 4 Tx slots	28.28	28.27	28.07	28.50	19.28	19.27	19.07	19.50
EDGE 1 Tx slot	25.47	25.26	25.30	25.50	19.47	19.26	19.30	19.50
EDGE 2 Tx slots	23.08	23.17	23.05	24.00	18.82	18.91	18.79	19.74
EDGE 3 Tx slots	21.78	21.83	21.82	22.50	18.78	18.83	18.82	19.50
EDGE 4 Tx slots								

		GSM1900 Ant4 Default							
GSM1900		Burst-Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot		29.71	29.66	29.50	30.50	20.71	20.66	20.50	21.50
GPRS 1 Tx slot		29.74	29.58	29.77	30.50	20.74	20.58	20.77	21.50
GPRS 2 Tx slots		25.99	25.93	25.93	27.50	19.99	19.93	19.93	21.50
GPRS 3 Tx slots		24.51	24.56	24.51	26.00	20.25	20.30	20.25	21.74
GPRS 4 Tx slots		23.40	23.46	23.45	24.50	20.37	20.46	20.45	21.50
EDGE 1 Tx slot		26.44	26.49	26.43	27.50	17.44	17.49	17.43	18.50
EDGE 2 Tx slots		23.65	23.56	23.52	24.50	17.65	17.56	17.52	18.50
EDGE 3 Tx slots		22.03	22.15	22.15	23.00	17.77	17.89	17.89	18.74
EDGE 4 Tx slots		20.89	20.84	20.82	21.50	17.89	17.84	17.82	18.50

		WCDMA II Ant4 Default			WCDMA IV Ant4 Default				WCDMA V Ant4 Default				
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
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	24.13	24.04	24.20	25.00	23.99	24.02	23.98	25.00	25.04	25.21	25.06	25.50
3GPP Rel 99	RMC 12.2kbps	24.04	24.27	24.10	25.00	24.06	24.07	24.04	25.00	25.27	25.35	25.32	25.50
3GPP Rel 6	HSDPA Subtest-1	23.19	23.06	22.96	24.00	23.06	22.96	22.75	24.00	24.18	24.29	24.12	24.50
3GPP Rel 6	HSDPA Subtest-2	22.98	22.95	23.07	24.00	22.97	22.94	22.88	24.00	24.18	24.17	24.28	24.50
3GPP Rel 6	HSDPA Subtest-3	22.80	22.53	22.73	23.50	22.56	22.38	22.37	23.50	23.88	23.69	23.82	24.00
3GPP Rel 6	HSDPA Subtest-4	22.77	22.89	22.70	23.50	22.37	22.39	22.32	23.50	23.66	23.50	23.63	24.00
3GPP Rel 8	DC-HSDPA Subtest-1	22.98	23.09	23.18	24.00	23.20	23.16	23.16	24.00	24.19	24.26	24.22	24.50
3GPP Rel 8	DC-HSDPA Subtest-2	22.92	23.15	23.28	24.00	22.91	22.94	23.03	24.00	24.16	24.03	24.23	24.50
3GPP Rel 8	DC-HSDPA Subtest-3	22.68	22.79	22.68	23.50	22.52	22.43	22.34	23.50	23.58	23.78	23.73	24.00
3GPP Rel 8	DC-HSDPA Subtest-4	22.61	22.90	22.79	23.50	22.34	22.38	22.42	23.50	23.65	23.55	23.80	24.00
3GPP Rel 6	HSUPA Subtest-1	23.09	23.25	23.00	24.00	23.01	22.74	22.72	24.00	24.27	24.24	24.23	24.50
3GPP Rel 6	HSUPA Subtest-2	21.13	21.23	21.39	22.00	20.99	20.96	20.97	22.00	22.10	22.08	22.18	22.50
3GPP Rel 6	HSUPA Subtest-3	22.07	22.31	22.00	23.00	21.92	21.90	21.81	23.00	23.29	23.25	23.24	23.50
3GPP Rel 6	HSUPA Subtest-4	21.22	21.29	21.26	22.00	21.09	20.99	20.87	22.00	22.36	22.35	22.23	22.50
3GPP Rel 6	HSUPA Subtest-5	23.08	23.33	23.06	24.00	22.84	23.14	23.06	24.00	23.98	24.23	24.32	24.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.50	20.67	20.67	21.50	20.34	20.44	20.46	21.50	21.67	21.74	21.76	22.00



Band 2 Ant4 Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	24.37	24.42	24.38				
20	QPSK	1	49	24.29	24.24	24.35	25	0		
20	QPSK	1	99	24.22	24.20	24.30				
20	QPSK	50	0	23.32	23.38	23.35				
20	QPSK	50	24	23.24	23.29	23.28				
20	QPSK	50	50	23.21	23.28	23.20		1		
20	QPSK	100	0	23.21	23.33	23.24				
20	16QAM	1	0	23.29	23.22	23.25				
20	16QAM	1	49	23.13	23.21	23.25	24	1		
20	16QAM	1	99	23.17	23.11	23.11				
20	16QAM	50	0	22.44	22.40	22.54				
20	16QAM	50	24	22.14	22.22	22.25				
20	16QAM	50	50	22.24	22.27	22.36	23	2		
20	16QAM	100	0	21.88	21.98	21.82				
20	64QAM	1	0	22.35	22.37	22.43				
20	64QAM	1	49	22.07	22.32	22.22				
20	64QAM	1	99	22.21	22.09	22.19	23	2		
20	64QAM	50	0	21.59	21.57	21.70				
20	64QAM	50	24	21.65	21.57	21.54				
20	64QAM	50	50	21.53	21.48	21.84	22	3		
20	64QAM	100	0	21.55	21.50	21.50				
Channel										
Frequency (MHz)										
15	QPSK	1	0	18.75	18.80	19.02				
15	QPSK	1	0	24.25	24.31	24.29				
15	QPSK	1	37	24.21	24.14	24.21	25	0		
15	QPSK	1	74	24.08	24.13	24.25				
15	QPSK	36	0	23.21	23.35	23.31				
15	QPSK	36	20	23.19	23.15	23.19				
15	QPSK	36	39	23.08	23.22	23.15	24	1		
15	QPSK	75	0	23.11	23.25	23.15				
15	16QAM	1	0	23.21	23.14	23.13				
15	16QAM	1	37	22.98	23.06	23.10	24	1		
15	16QAM	1	74	23.12	23.03	23.07				
15	16QAM	36	0	22.30	22.35	22.47				
15	16QAM	36	20	22.03	22.21	22.22				
15	16QAM	36	39	22.11	22.15	22.28	23	2		
15	16QAM	75	0	21.78	21.80	21.72				
15	64QAM	1	0	22.32	22.27	22.39				
15	64QAM	1	37	22.02	22.29	22.11	23	2		
15	64QAM	1	74	22.09	22.02	22.09				
15	64QAM	36	0	21.51	21.50	21.58				
15	64QAM	36	20	21.58	21.47	21.48				
15	64QAM	36	39	21.38	21.38	21.81	22	3		
15	64QAM	75	0	21.47	21.39	21.37				
Channel										
Frequency (MHz)										
10	QPSK	1	0	18.55	18.60	19.01				
10	QPSK	1	0	24.24	24.36	24.31				
10	QPSK	1	25	24.15	24.14	24.29	25	0		
10	QPSK	1	49	24.08	24.16	24.19				
10	QPSK	25	0	23.22	23.33	23.24				
10	QPSK	25	12	23.20	23.16	23.24				
10	QPSK	25	25	23.08	23.20	23.07	24	1		
10	QPSK	50	0	23.09	23.28	23.14				
10	16QAM	1	0	23.25	23.15	23.25				
10	16QAM	1	25	23.02	23.09	23.22	24	1		
10	16QAM	1	49	23.05	23.05	23.00				
10	16QAM	25	0	22.31	22.27	22.43				
10	16QAM	25	12	22.09	22.08	22.18				
10	16QAM	25	25	22.16	22.23	22.25	23	2		
10	16QAM	50	0	21.76	21.89	21.74				
10	64QAM	1	0	22.21	22.33	22.31				
10	64QAM	1	25	22.04	22.21	22.19	23	2		
10	64QAM	1	49	22.09	22.05	22.07				
10	64QAM	25	0	21.55	21.50	21.59				
10	64QAM	25	12	21.52	21.44	21.40				
10	64QAM	25	25	21.41	21.37	21.72	22	3		
10	64QAM	50	0	21.46	21.43	21.36				
Channel										
Frequency (MHz)										
5	QPSK	1	0	18.52	18.60	19.07				
5	QPSK	1	0	24.28	24.30	24.25				
5	QPSK	1	12	24.18	24.11	24.26	25	0		
5	QPSK	1	24	24.07	24.11	24.27				
5	QPSK	12	0	23.26	23.27	23.20				
5	QPSK	12	7	23.10	23.16	23.22	24	1		
5	QPSK	12	13	23.12	23.17	23.05				
5	QPSK	25	0	23.11	23.19	23.11				
5	16QAM	1	0	23.25	23.11	23.18				
5	16QAM	1	12	23.04	23.06	23.12	24	1		
5	16QAM	1	24	23.11	23.05	23.01				
5	16QAM	12	0	22.32	22.26	22.42				
5	16QAM	12	7	21.99	22.31	22.17	23	2		
5	16QAM	12	13	22.17	22.15	22.30				
5	16QAM	25	0	21.79	21.94	21.74				
5	64QAM	1	0	22.21	22.24	22.29				
5	64QAM	1	12	21.96	22.24	22.18	23	2		
5	64QAM	1	24	22.14	22.02	22.09				
5	64QAM	12	0	21.54	21.50	21.56				
5	64QAM	12	7	21.52	21.44	21.41				
5	64QAM	12	13	21.45	21.42	21.77	22	3		
5	64QAM	25	0	21.50	21.40	21.43				
Channel										
Frequency (MHz)										
3	QPSK	1	0	24.28	24.36	24.28				
3	QPSK	1	8	24.21	24.12	24.32	25	0		
3	QPSK	1	14	24.18	24.12	24.25				
3	QPSK	8	0	23.23	23.35	23.23				
3	QPSK	8	4	23.09	23.20	23.22				
3	QPSK	8	7	23.11	23.25	23.07	24	1		
3	QPSK	15	0	23.08	23.20	23.17				
3	16QAM	1	0	23.25	23.08	23.13				
3	16QAM	1	8	23.01	23.18	23.12	24	1		
3	16QAM	1	14	23.13	23.00	23.01				
3	16QAM	8	0	22.34	22.28	22.41				
3	16QAM	8	4	22.09	22.32	22.24				
3	16QAM	8	7	22.11	22.17	22.24	23	2		
3	16QAM	15	0	21.77	21.82	21.73				
3	64QAM	1	0	22.28	22.26	22.29				
3	64QAM	1	8	21.95	22.23	22.14				
3	64QAM	1	14	22.07	21.98	22.07	23	2		
3	64QAM	8	0	21.45	21.51	21.65				
3	64QAM	8	4	21.61	21.53	21.49				
3	64QAM	8	7	21.43	21.40	21.71	22	3		
3	64QAM	15	0	21.42	21.37	21.39				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	24.25	24.28	24.34				
1.4	QPSK	1	3	24.23	24.10	24.23	25	0		
1.4	QPSK	1	5	24.16	24.08	24.25				
1.4	QPSK	3	0	24.11	24.27	24.15				
1.4	QPSK	3	1	24.17	24.11	24.13				
1.4	QPSK	3	3	24.02	24.00	24.21				
1.4	QPSK	6	0	23.21	23.32	23.21	24	1		
1.4	16QAM	1	0	23.17	23.12	23.14				
1.4	16QAM	1	3	23.16	23.22	23.08				
1.4	16QAM	1	5	23.17	23.18	23.18				
1.4	16QAM	3	0	23.17	23.11	23.19	24	1		
1.4	16QAM	3	1	23.00	23.11	23.19				
1.4	16QAM	3	3	23.08	23.05	23.05				
1.4	16QAM	6	0	22.29	22.20	22.22	23	2		
1.4	64QAM	1	0	22.03	22.14	22.06				
1.4	64QAM	1	3	22.12	22.17	22.28				
1.4	64QAM	1	5	21.99	21.87	21.95				
1.4	64QAM	3	0	22.24	22.26	22.28	23	2		
1.4	64QAM	3	1	21.97	22.28	22.14				
1.4	64QAM	3	3	22.09	22.10	22.06				
1.4	64QAM	6	0	21.46	21.45	21.60	22	3		

Band 4 Ant4 Default										
BW (MHz)	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)				1715	1725	1735				
20	QPSK	1	0	24.10	24.25	24.13				
20	QPSK	1	49	24.14	24.13	24.00	25	0		
20	QPSK	1	99	23.95	24.12	24.05				
20	QPSK	50	0	23.12	23.26	23.14				
20	QPSK	50	24	23.03	23.21	23.04			24	1
20	QPSK	50	24	23.03	23.08	23.14				
20	16QAM	100	0	23.04	23.22	23.04				
20	16QAM	1	0	23.27	23.09	23.14				
20	16QAM	1	49	23.19	23.19	23.14	24	1		
20	16QAM	1	99	23.19	23.31	23.24				
20	16QAM	50	0	22.10	22.12	22.14				
20	16QAM	50	24	22.03	22.14	22.03				
20	16QAM	50	50	22.06	22.33	22.22	23	2		
20	16QAM	100	0	22.25	22.17	22.15				
20	64QAM	1	0	22.17	22.08	22.13				
20	64QAM	1	49	22.08	22.24	22.16				
20	64QAM	1	99	22.02	22.08	22.27			23	2
20	64QAM	50	0	21.27	21.38	21.29				
20	64QAM	50	24	21.25	21.17	21.32			22	3
20	64QAM	50	50	21.24	21.13	21.20				
20	64QAM	100	0	21.08	21.12	21.09				
Channel										
Frequency (MHz)				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	23.09	24.18	24.02			25	0
15	QPSK	1	37	24.05	24.08	24.03				
15	QPSK	1	74	23.81	24.03	24.02				
15	QPSK	36	0	23.04	23.21	23.03				
15	QPSK	36	20	22.89	23.09	23.11	24	1		
15	QPSK	36	39	23.04	23.17	23.01				
15	QPSK	36	58	22.75	23.01	23.09				
15	16QAM	1	0	23.14	23.01	23.01				
15	16QAM	1	37	23.07	23.13	23.04	24	1		
15	16QAM	1	74	23.09	23.21	23.18				
15	16QAM	36	0	22.02	22.09	22.02				
15	16QAM	36	20	21.94	21.84	21.92	23	2		
15	16QAM	36	39	22.06	22.17	22.07				
15	16QAM	75	0	22.21	22.12	22.11				
15	64QAM	1	0	22.10	21.94	22.04				
15	64QAM	1	37	21.94	22.13	22.21	23	2		
15	64QAM	1	74	21.83	21.96	22.21				
15	64QAM	36	0	21.19	21.25	21.23				
15	64QAM	36	20	21.12	21.21	21.23	22	3		
15	64QAM	36	39	21.17	21.05	21.15				
15	64QAM	75	0	20.96	21.05	20.98				
Channel										
Frequency (MHz)				1715	1732.5	1750	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	24.00	24.14	24.06			25	0
10	QPSK	1	25	24.07	24.03	23.93				
10	QPSK	1	49	23.86	24.04	24.07				
10	QPSK	25	0	23.09	23.13	23.05				
10	QPSK	25	12	22.92	23.12	23.10	24	1		
10	QPSK	25	25	23.04	23.08	23.09				
10	QPSK	50	0	22.90	23.11	22.90				
10	16QAM	1	0	23.17	23.00	23.05	24	1		
10	16QAM	1	25	23.06	23.13	23.02				
10	16QAM	1	49	23.09	23.27	23.11				
10	16QAM	25	0	21.97	22.05	22.01				
10	16QAM	25	12	21.99	21.89	21.92	23	2		
10	16QAM	25	25	21.97	22.20	22.10				
10	16QAM	50	0	22.27	22.10	22.05				
10	64QAM	1	0	22.10	22.12	22.04				
10	64QAM	1	25	22.05	22.14	22.08	23	2		
10	64QAM	1	49	21.99	22.01	22.23				
10	64QAM	25	0	21.19	21.31	21.22				
10	64QAM	25	12	21.16	21.13	21.22	22	3		
10	64QAM	25	25	21.12	21.00	21.11				
10	64QAM	50	0	20.99	21.08	21.02				
Channel										
Frequency (MHz)				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	24.07	24.20	24.03			25	0
5	QPSK	1	12	24.07	24.08	23.91				
5	QPSK	1	24	23.89	24.04	23.92				
5	QPSK	12	0	23.06	23.09	23.04	24	1		
5	QPSK	12	7	22.94	23.08	23.06				
5	QPSK	12	13	22.93	23.06	23.10				
5	QPSK	25	0	22.98	23.10	23.00				
5	16QAM	1	0	23.24	23.01	23.01				
5	16QAM	1	12	23.07	23.12	23.11	24	1		
5	16QAM	1	24	23.13	23.24	23.18				
5	16QAM	12	0	22.03	22.12	22.00				
5	16QAM	12	7	22.00	21.92	21.89	23	2		
5	16QAM	12	13	22.00	22.18	22.16				
5	16QAM	25	0	22.21	22.03	22.10				
5	64QAM	1	0	22.13	21.98	22.03	23	2		
5	64QAM	1	12	21.98	22.12	22.10				
5	64QAM	1	24	21.98	21.96	22.23				
5	64QAM	12	0	21.18	21.29	21.17				
5	64QAM	12	7	21.19	21.08	21.26	22	3		
5	64QAM	12	13	21.15	21.05	21.11				
5	64QAM	25	0	20.96	21.07	21.01				
Channel										
Frequency (MHz)				1712.5	1732.5	1753.5	Tune-up limit (dBm)	MPR (dB)		
3	QPSK	1	0	24.04	24.11	23.99			25	0
3	QPSK	1	8	24.05	24.08	23.96				
3	QPSK	1	14	23.89	24.03	24.02				
3	QPSK	8	0	22.98	23.20	23.09				
3	QPSK	8	4	22.95	23.07	23.00	24	1		
3	QPSK	8	7	22.93	23.11	23.03				
3	QPSK	15	0	22.99	23.09	22.99				
3	16QAM	1	0	23.24	23.05	23.06				
3	16QAM	1	8	23.06	23.09	23.08	24	1		
3	16QAM	1	14	23.16	23.26	23.17				
3	16QAM	8	0	22.06	22.00	22.06				
3	16QAM	8	4	21.95	21.92	22.10	23	2		
3	16QAM	8	7	21.96	22.29	22.21				
3	16QAM	15	0	22.14	22.06	22.03				
3	64QAM	1	0	22.13	22.00	22.07				
3	64QAM	1	8	22.05	22.16	22.09	23	2		
3	64QAM	1	14	21.88	22.01	22.21				
3	64QAM	8	0	21.12	21.12	21.24				
3	64QAM	8	4	21.19	21.04	21.20	22	3		
3	64QAM	8	7	21.19	20.99	21.11				
3	64QAM	15	0	21.01	21.08	20.95				
Channel										
Frequency (MHz)				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)		
1.4	QPSK	1	0	24.04	24.19	24.08			25	0
1.4	QPSK	1	3	24.09	24.09	23.91				
1.4	QPSK	1	5	23.90	23.98	24.02				
1.4	QPSK	3	0	23.95	24.08	23.89				
1.4	QPSK	3	3	23.70	23.89	23.88				
1.4	QPSK	6	0	23.10	23.12	23.09	24	1		
1.4	16QAM	1	0	22.98	23.15	23.04				
1.4	16QAM	1	3	23.00	23.08	23.08				
1.4	16QAM	1	5	22.95	23.12	23.01	24	1		
1.4	16QAM	3	0	23.14	23.00	23.06				
1.4	16QAM	3	1	23.14	23.13	23.04				
1.4	16QAM	3	3	23.15	23.22	23.15	23	2		
1.4	16QAM	6	0	21.97	21.98	22.04				
1.4	64QAM	1	0	22.00	21.89	21.91				
1.4	64QAM	1	3	21.96	22.27	22.11				
1.4	64QAM	1	5	22.17	22.06	22.04	23	2		
1.4	64QAM	3	0	22.12	21.98	22.10				
1.4	64QAM	3	1	22.12	22.22	22.12				
1.4	64QAM	3	3	21.94	22.00	22.24				
1.4	64QAM	6	0	21.83	21.30	21.26	22	3		



Band 7 Ant4 Default

BW [MHz]	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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	24.28	24.40	24.37	25.5	0
20	QPSK	1	49	24.07	24.08	24.13		
20	QPSK	1	99	24.19	24.07	24.15		
20	QPSK	50	0	23.20	23.29	23.18	24.5	1
20	QPSK	50	24	23.19	23.05	23.20		
20	QPSK	50	50	22.99	22.99	23.13		
20	QPSK	100	0	22.95	23.26	23.20	24.5	1
20	16QAM	1	0	23.09	23.00	23.08		
20	16QAM	1	49	23.14	23.00	23.02		
20	16QAM	1	99	22.97	22.91	23.04	23.5	2
20	16QAM	50	0	22.49	22.36	22.50		
20	16QAM	50	24	22.36	22.41	22.34		
20	16QAM	50	50	22.59	22.53	22.69	23.5	2
20	16QAM	100	0	22.34	22.41	22.37		
20	64QAM	1	0	22.30	22.13	22.16		
20	64QAM	1	49	22.01	22.11	21.93	22.5	3
20	64QAM	1	99	22.15	22.07	21.99		
20	64QAM	50	0	21.26	21.31	21.42		
20	64QAM	50	24	21.48	21.64	21.50	Tune-up limit (dBm)	MPR (dB)
20	64QAM	50	50	21.38	21.15	21.57		
20	64QAM	100	0	20.94	21.06	20.99		
Channel				20925	21100	21375		
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	24.06	24.21	24.23	25.5	0
15	QPSK	1	37	23.85	24.09	24.05		
15	QPSK	1	74	24.11	23.89	24.02		
15	QPSK	36	0	23.13	23.24	23.14	24.5	1
15	QPSK	36	20	23.03	22.96	23.00		
15	QPSK	36	39	22.82	22.92	23.12		
15	QPSK	75	0	22.80	23.25	23.04	24.5	1
15	16QAM	1	0	23.02	22.80	22.98		
15	16QAM	1	37	22.94	23.01	23.03		
15	16QAM	1	74	22.88	22.82	22.91	23.5	2
15	16QAM	36	0	22.30	22.39	22.58		
15	16QAM	36	20	22.29	22.57	22.53		
15	16QAM	36	39	22.60	22.54	22.61	23.5	2
15	16QAM	75	0	22.51	22.45	22.56		
15	64QAM	1	0	22.22	22.01	22.04		
15	64QAM	1	37	21.79	22.09	21.84	23.5	2
15	64QAM	1	74	22.15	21.88	21.99		
15	64QAM	36	0	21.12	21.22	21.36		
15	64QAM	36	20	21.42	21.44	21.42	22.5	3
15	64QAM	36	39	21.24	21.09	21.35		
15	64QAM	75	0	20.82	21.01	20.82		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	24.26	24.28	24.36	24.5	0
10	QPSK	1	25	23.97	23.97	24.06		
10	QPSK	1	49	23.97	23.97	24.16		
10	QPSK	25	0	23.13	23.27	23.22	24.5	1
10	QPSK	25	12	23.02	23.00	23.06		
10	QPSK	25	25	22.96	22.86	22.93		
10	QPSK	50	0	22.96	23.15	23.13	24.5	1
10	16QAM	1	0	23.02	22.78	22.93		
10	16QAM	1	25	23.04	22.85	22.80		
10	16QAM	1	49	22.84	22.79	22.82	23.5	2
10	16QAM	25	0	22.16	22.34	22.31		
10	16QAM	25	12	22.12	22.38	22.03		
10	16QAM	25	25	22.03	21.96	22.12	23.5	2
10	16QAM	50	0	21.89	21.94	21.93		
10	64QAM	1	0	22.19	21.96	21.97		
10	64QAM	1	25	22.03	21.94	21.93	22.5	3
10	64QAM	1	49	22.04	21.99	21.90		
10	64QAM	25	0	21.26	21.15	21.33		
10	64QAM	25	12	21.46	21.50	21.40	Tune-up limit (dBm)	MPR (dB)
10	64QAM	25	25	21.35	21.07	21.49		
10	64QAM	50	0	20.88	20.94	20.78		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	24.29	24.28	24.27	24.5	0
5	QPSK	1	12	23.96	23.91	23.96		
5	QPSK	1	24	23.99	23.91	24.07		
5	QPSK	12	0	23.01	23.21	23.08	24.5	1
5	QPSK	12	7	23.07	23.04	23.07		
5	QPSK	12	13	22.92	22.96	23.03		
5	QPSK	25	0	22.78	23.20	23.17	24.5	1
5	16QAM	1	0	23.11	22.89	22.89		
5	16QAM	1	12	23.07	22.81	22.95		
5	16QAM	1	24	22.83	22.84	22.84	23.5	2
5	16QAM	12	0	22.23	22.27	22.34		
5	16QAM	12	7	22.05	22.33	21.91		
5	16QAM	12	13	22.26	22.26	22.25	23.5	2
5	16QAM	25	0	21.79	21.78	21.80		
5	64QAM	1	0	22.12	22.13	22.07		
5	64QAM	1	12	21.85	21.96	21.92	23.5	2
5	64QAM	1	24	21.94	21.95	21.78		
5	64QAM	12	0	21.19	21.21	21.23		
5	64QAM	12	7	21.29	21.14	21.17	Tune-up limit (dBm)	MPR (dB)
5	64QAM	12	13	21.31	21.07	21.14		
5	64QAM	25	0	20.83	20.85	20.80		

Band 12 Ant4 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23606	23095	23110	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	7130		
10	QPSK	1	0	25.07	25.27	25.10	25.5	0
10	QPSK	1	25	25.04	25.15	25.14		
10	QPSK	1	49	25.00	25.07	25.04		
10	QPSK	25	0	24.07	24.27	24.09	24.5	1
10	QPSK	25	12	24.08	24.21	24.04		
10	QPSK	25	25	24.23	24.22	23.99		
10	QPSK	50	0	24.10	24.16	24.15	24.5	1
10	16QAM	1	0	24.18	24.25	24.36		
10	16QAM	1	25	24.39	24.48	24.28		
10	16QAM	1	49	24.42	24.33	24.22	23.5	2
10	16QAM	25	0	23.10	23.01	23.27		
10	16QAM	25	12	23.20	23.29	23.17		
10	16QAM	25	25	23.18	23.05	23.22	23.5	2
10	64QAM	1	0	23.20	23.04	23.17		
10	64QAM	1	25	23.12	23.02	23.38		
10	64QAM	1	49	23.33	23.15	23.31	22.5	3
10	64QAM	25	0	22.04	22.11	22.05		
10	64QAM	25	12	22.12	22.18	22.11		
10	64QAM	25	25	22.28	22.09	22.19	Tune-up limit (dBm)	MPR (dB)
10	64QAM	50	0	22.01	22.18	21.98		
Channel				23035	23095	23155		
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	25.03	25.15	25.05	25.5	0
5	QPSK	1	12	24.82	25.13	24.92		
5	QPSK	1	24	24.95	24.85	25.05		
5	QPSK	12	0	23.86	24.19	23.98	24.5	1
5	QPSK	12	7	23.92	24.02	24.01		
5	QPSK	12	13	24.11	24.14	23.84		
5	QPSK	25	0	24.08	23.98	24.07	24.5	1
5	16QAM	1	0	24.10	24.22	24.14		
5	16QAM	1	12	24.25	24.20	24.15		
5	16QAM	1	24	24.39	24.34	24.17	23.5	2
5	16QAM	12	0	22.97	22.85	23.14		
5	16QAM	12	7	23.16	23.15	23.04		
5	16QAM	12	13	23.29	22.98	23.09	23.5	2
5	16QAM	25	0	22.99	22.92	23.15		
5	64QAM	1	0	23.13	22.86	23.08		
5	64QAM	1	12	22.96	22.93	23.21	23.5	2
5	64QAM	1	24	23.22	23.14	23.18		
5	64QAM	12	0	21.92	21.98	21.92		
5	64QAM	12	7	21.94	22.06	22.09	22.5	3
5	64QAM	12	13	22.14	21.88	22.16		
5	64QAM	25	0	21.84	22.10	21.85		
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				700.5	707.5	714.5		
3	QPSK	1	0	25.05	25.10	24.97	25.5	0
3	QPSK	1	8	24.86	24.95	25.04		
3	QPSK	1	14	24.84	24.85	24.92		
3	QPSK	8	0	24.01	24.06	23.95	24.5	1
3	QPSK	8	4	23.90	24.18	23.98		
3	QPSK	8	7	24.11	24.11	23.87		
3	16QAM	1	0	24.04	24.03	24.05	24.5	1
3	16QAM	1	0	24.08	24.14	24.23		
3	16QAM	1	14	24.37	24.34	24.20		
3	16QAM	1	14	24.37	24.26	24.03	23.5	2
3	16QAM	8	0	23.12	22.93	23.09		
3	16QAM	8	4	23.08	23.10	23.01		
3	16QAM	8	7	23.19	22.93	23.13	23.5	2
3	16QAM	15	0	23.09	22.87	23.17		
3	64QAM	1	0	23.13	22.92	23.04		
3	64QAM	1	8	22.95	22.86	23.19	22.5	3
3	64QAM	1	14	23.25	22.99	23.14		
3	64QAM	8	0	22.02	21.93	22.06		
3	64QAM	8	4	22.01	22.02	22.04	Tune-up limit (dBm)	MPR (dB)
3	64QAM	8	7	22.28	21.96	21.99		
3	64QAM	15	0	21.79	22.00	21.83		
Channel				23025	23095	23172	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				699.7	707.5	715.3		
1.4	QPSK	1	0	25.04	25.16	24.96	25.5	0
1.4	QPSK	1	3	24.98	25.05	25.05		
1.4	QPSK	1	5	24.91	24.90	24.86		
1.4	QPSK	3	0	24.81	24.95	24.88	24.5	1
1.4	QPSK	3	1	24.74	25.12	24.81		
1.4	QPSK	3	3	24.95	24.76	24.86		
1.4	QPSK	6	0	24.04	24.16	24.08	23.5	2
1.4	16QAM	1	0	23.98	24.07	23.87		
1.4	16QAM	1	3	24.11	24.08	23.80		
1.4	16QAM	1	5	24.14	24.00	24.08	23.5	2
1.4	16QAM	3	0	24.05	24.04	24.34		
1.4	16QAM	3	3	24.26	24.26	24.20		
1.4	16QAM	3	3	24.21	24.33	24.20	22.5	3
1.4	16QAM	6	0	22.93	23.01	23.06		
1.4	64QAM	1	0	23.22	23.21	23.06		
1.4	64QAM	1	3	23.25	22.97	23.05	Tune-up limit (dBm)	MPR (dB)
1.4	64QAM	1	5	23.16	23.04	23.17		
1.4	64QAM	3	0	23.11	23.00	23.15		
1.4	64QAM	3	1	23.01	23.13	23.18	22.5	3
1.4	64QAM	3	3	23.15	22.96	23.32		
1.4	64QAM	6	0	22.03	21.92	22.03		

Band 38 Ant4 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	25.5	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	24.49	24.50	24.42			
20	QPSK	1	49	24.39	24.45	24.42	24.5	1	
20	QPSK	1	99	24.26	24.31	24.22			
20	QPSK	50	0	23.45	23.50	23.47			
20	QPSK	50	24	23.30	23.29	23.25	24.5	1	
20	QPSK	50	50	23.29	23.33	23.30			
20	QPSK	100	0	23.23	23.26	23.21			
20	16QAM	1	0	23.37	23.37	23.32	24.5	1	
20	16QAM	1	49	23.22	23.26	23.16			
20	16QAM	1	99	23.21	23.31	23.25			
20	16QAM	50	0	22.44	22.44	22.39	23.5	2	
20	16QAM	50	24	22.32	22.34	22.27			
20	16QAM	50	50	22.22	22.28	22.20			
20	16QAM	100	0	22.39	22.39	22.31	23.5	2	
20	64QAM	1	0	22.33	22.32	22.28			
20	64QAM	1	49	22.40	22.45	22.35			
20	64QAM	1	99	22.36	22.39	22.32	22.5	3	
20	64QAM	50	0	21.40	21.47	21.45			
20	64QAM	50	24	21.46	21.50	21.42			
20	64QAM	50	50	21.28	21.31	21.24	22.5	3	
20	64QAM	100	0	21.44	21.53	21.51			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5	25.5	0	
15	QPSK	1	0	24.43	24.39	24.38			
15	QPSK	1	37	24.33	24.30	24.35	24.5	1	
15	QPSK	1	74	24.22	24.26	24.11			
15	QPSK	36	0	23.30	23.44	23.33	24.5	1	
15	QPSK	36	20	23.23	23.23	23.15			
15	QPSK	36	39	23.14	23.26	23.15			
15	QPSK	75	0	23.19	23.18	23.18	24.5	1	
15	16QAM	1	0	23.24	23.23	23.21			
15	16QAM	1	37	23.08	23.18	23.04			
15	16QAM	1	74	23.08	23.21	23.19	23.5	2	
15	16QAM	36	0	22.39	22.40	22.35			
15	16QAM	36	20	22.24	22.28	22.20			
15	16QAM	36	39	22.17	22.15	22.14	23.5	2	
15	16QAM	75	0	22.35	22.25	22.18			
15	64QAM	1	0	22.22	22.28	22.19			
15	64QAM	1	37	22.30	22.34	22.24	22.5	3	
15	64QAM	1	74	22.27	22.25	22.25			
15	64QAM	36	0	21.32	21.34	21.42			
15	64QAM	36	20	21.39	21.45	21.36	22.5	3	
15	64QAM	36	39	21.16	21.22	21.16			
15	64QAM	75	0	21.31	21.38	21.40			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615	25.5	0	
10	QPSK	1	0	24.42	24.41	24.35			
10	QPSK	1	25	24.32	24.37	24.30	24.5	1	
10	QPSK	1	49	24.13	24.21	24.17			
10	QPSK	25	0	23.36	23.42	23.41	24.5	1	
10	QPSK	25	12	23.15	23.18	23.11			
10	QPSK	25	25	23.19	23.24	23.27			
10	QPSK	50	0	23.18	23.22	23.08	24.5	1	
10	16QAM	1	0	23.26	23.29	23.28			
10	16QAM	1	25	23.08	23.23	23.07			
10	16QAM	1	49	23.10	23.25	23.14	23.5	2	
10	16QAM	25	0	22.39	22.40	22.25			
10	16QAM	25	12	22.21	22.24	22.14			
10	16QAM	25	25	22.13	22.21	22.10	23.5	2	
10	16QAM	50	0	22.31	22.28	22.21			
10	64QAM	1	0	22.27	22.27	22.23			
10	64QAM	1	25	22.25	22.41	22.27	22.5	3	
10	64QAM	1	49	22.28	22.25	22.23			
10	64QAM	25	0	21.28	21.42	21.42			
10	64QAM	25	12	21.36	21.45	21.29	22.5	3	
10	64QAM	25	25	21.17	21.17	21.14			
10	64QAM	50	0	21.40	21.50	21.38			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5	25.5	0	
5	QPSK	1	0	24.40	24.39	24.36			
5	QPSK	1	12	24.35	24.32	24.27	24.5	1	
5	QPSK	1	24	24.19	24.27	24.09			
5	QPSK	12	0	23.41	23.40	23.38	24.5	1	
5	QPSK	12	7	23.26	23.18	23.21			
5	QPSK	12	13	23.14	23.30	23.25			
5	QPSK	25	0	23.17	23.15	23.10	24.5	1	
5	16QAM	1	0	23.31	23.32	23.22			
5	16QAM	1	12	23.17	23.23	23.02			
5	16QAM	1	24	23.17	23.25	23.19	23.5	2	
5	16QAM	12	0	22.35	22.39	22.30			
5	16QAM	12	7	22.18	22.27	22.21			
5	16QAM	12	13	22.09	22.23	22.16	23.5	2	
5	16QAM	25	0	22.30	22.30	22.19			
5	64QAM	1	0	22.24	22.22	22.17			
5	64QAM	1	12	22.29	22.40	22.26	22.5	3	
5	64QAM	1	24	22.29	22.34	22.21			
5	64QAM	12	0	21.35	21.40	21.40			
5	64QAM	12	7	21.42	21.41	21.37	22.5	3	
5	64QAM	12	13	21.23	21.26	21.19			
5	64QAM	25	0	21.32	21.46	21.37			

Band 41 Ant4 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	25.5	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	24.47	24.40	24.55	24.53	24.46		
20	QPSK	1	49	24.25	24.36	24.47	24.36	24.45	24.5	1
20	QPSK	1	99	24.27	24.39	24.30	24.22	24.26		
20	QPSK	50	0	23.51	23.44	23.59	23.56	23.51		
20	QPSK	50	24	23.27	23.39	23.38	23.45	23.37	24.5	1
20	QPSK	50	50	23.35	23.44	23.44	23.42	23.55		
20	QPSK	100	0	23.46	23.40	23.49	23.47	23.45		
20	16QAM	1	0	23.31	23.30	23.32	23.49	23.46	24.5	1
20	16QAM	1	49	23.41	23.38	23.51	23.33	23.32		
20	16QAM	1	99	23.43	23.35	23.47	23.32	23.33		
20	16QAM	50	0	22.18	22.38	22.30	22.26	22.20	23.5	2
20	16QAM	50	24	22.27	22.34	22.31	22.17	22.19		
20	16QAM	50	50	22.16	22.35	22.38	22.07	22.06		
20	16QAM	100	0	21.95	22.15	22.28	22.08	22.02	23.5	2
20	64QAM	1	0	22.33	22.37	22.37	22.13	22.15		
20	64QAM	1	49	22.44	22.37	22.37	22.42	22.34		
20	64QAM	1	99	22.13	22.24	22.40	22.22	22.12	22.5	3
20	64QAM	50	0	21.75	21.67	21.67	21.78	21.64		
20	64QAM	50	24	21.54	21.60	21.48	21.45	21.39		
20	64QAM	50	50	21.40	21.46	21.48	21.50	21.39	22.5	3
20	64QAM	100	0	21.44	21.58	21.55	21.52	21.44		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	25.50	0
15	QPSK	1	0	24.36	24.26	24.39	24.50	24.47		
15	QPSK	1	37	24.14	24.32	24.28	24.38	24.28		
15	QPSK	1	74	24.14	24.22	24.17	24.06	24.20	24.5	1
15	QPSK	36	0	23.02	23.43	23.41	23.33	23.23		
15	QPSK	36	20	23.02	23.19	23.20	23.15	23.05		
15	QPSK	36	39	23.17	23.28	23.38	23.14	23.26	24.5	1
15	QPSK	75	0	23.03	23.34	23.35	23.36	23.41		
15	16QAM	1	0	23.23	23.21	23.29	23.49	23.47		
15	16QAM	1	37	23.36	23.16	23.42	23.23	23.24	24.5	1
15	16QAM	1	74	23.25	23.13	23.32	23.15	23.13		
15	16QAM	36	0	22.18	22.23	22.13	22.12	21.99		
15	16QAM	36	20	22.12	22.27	22.32	22.13	22.09	23.5	2
15	16QAM	36	39	22.12	22.35	22.36	21.97	21.91		
15	16QAM	75	0	22.16	22.04	22.14	21.94	22.02		
15	64QAM	1	0	22.21	22.36	22.38	22.11	22.16	23.5	2
15	64QAM	1	37	22.30	22.16	22.16	22.22	22.17		
15	64QAM	1	74	22.12	22.24	22.31	22.14	22.04		
15	64QAM	36	0	21.68	21.53	21.62	21.65	21.55	22.5	3
15	64QAM	36	20	21.50	21.48	21.47	21.33	21.40		
15	64QAM	36	39	21.34	21.32	21.44	21.44	21.21		
15	64QAM	75	0	21.38	21.41	21.38	21.36	21.32		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685	25.50	0
10	QPSK	1	0	24.41	24.35	24.54	24.50	24.46		
10	QPSK	1	25	24.14	24.36	24.37	24.16	24.46		
10	QPSK	1	49	24.06	24.34	24.09	24.16	24.05	24.5	1
10	QPSK	25	0	23.50	23.26	23.50	23.48	23.39		
10	QPSK	25	12	23.22	23.27	23.24	23.36	23.20		
10	QPSK	25	25	23.34	23.32	23.31	23.31	23.37	24.5	1
10	QPSK	50	0	23.46	23.26	23.31	23.46	23.42		
10	16QAM	1	0	23.15	23.08	23.11	23.45	23.45		
10	16QAM	1	25	23.21	23.24	23.45	23.16	23.25	24.5	1
10	16QAM	1	49	23.35	23.14	23.35	23.13	23.18		
10	16QAM	25	0	22.19	22.32	22.12	22.11	22.10		
10	16QAM	25	12	22.09	22.23	22.21	22.08	22.15	23.5	2
10	16QAM	25	25	22.03	22.19	22.18	22.01	21.99		
10	16QAM	50	0	22.13	22.03	22.16	22.17	21.92		
10	64QAM	1	0	22.21	22.28	22.39	21.97	22.02	23.5	2
10	64QAM	1	25	22.42	22.22	22.29	22.35	22.28		
10	64QAM	1	49	21.97	22.07	22.30	22.22	22.03		
10	64QAM	25	0	21.72	21.48	21.64	21.71	21.55	22.5	3
10	64QAM	25	12	21.34	21.43	21.26	21.25	21.29		
10	64QAM	25	25	21.29	21.29	21.29	21.35	21.26		
10	64QAM	50	0	21.44	21.60	21.46	21.37	21.31		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	25.50	0
5	QPSK	1	0	24.38	24.37	24.46	24.48	24.29		
5	QPSK	1	12	24.17	24.20	24.37	24.37	24.44		
5	QPSK	1	24	24.14	24.33	24.32	24.18	24.10	24.5	1
5	QPSK	12	0	23.47	23.45	23.53	23.49	23.48		
5	QPSK	12	7	23.28	23.24	23.31	23.32	23.18		
5	QPSK	12	13	23.28	23.38	23.46	23.28	23.42	24.5	1
5	QPSK	25	0	23.27	23.32	23.33	23.30	23.27		
5	16QAM	1	0	23.24	23.24	23.10	23.29	23.43		
5	16QAM	1	12	23.34	23.19	23.40	23.16	23.14	24.5	1
5	16QAM	1	24	23.43	23.36	23.29	23.22	23.33		
5	16QAM	12	0	21.97	22.31	22.09	22.11	22.04		
5	16QAM	12	7	22.11	22.16	22.12	22.14	22.08	23.5	2
5	16QAM	12	13	21.99	22.23	22.35	22.01	22.15		
5	16QAM	25	0	22.14	21.99	22.20	21.99	22.00		
5	64QAM	1	0	22.23	22.37	22.27	22.01	21.94	23.5	2
5	64QAM	1	12	22.37	22.23	22.34	22.28	22.16		
5	64QAM	1	24	22.10	22.15	22.30	22.13	22.00		
5	64QAM	12	0	21.72	21.50	21.52	21.66	21.61	22.5	3
5	64QAM	12	7	21.41	21.49	21.49	21.39	21.31		
5	64QAM	12	13	21.39	21.26	21.36	21.48	21.30		
5	64QAM	25	0	21.46	21.47	21.39	21.33	21.31		

Reduced power level for WWAN

GSM850 Ant1 Default/DS1 1

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	62.2	63.4	64.6		62.2	63.4	64.6	
Frequency (MHz)	32.04	32.54	32.47	33.50	23.64	23.54	23.47	24.50
GSM 1 Tx slot	32.54	32.46	32.35	33.50	23.54	23.46	23.35	24.50
GPRS 1 Tx slot	29.49	29.37	29.43	31.00	23.49	23.37	23.43	25.00
GPRS 2 Tx slots	27.70	27.72	27.64	29.50	23.44	23.46	23.38	25.24
GPRS 3 Tx slots	26.31	26.28	26.27	28.00	23.31	23.28	23.27	25.00
EDGE 1 Tx slot	26.98	27.08	27.19	28.50	17.98	18.08	18.19	19.50
EDGE 2 Tx slots	23.96	24.05	24.04	25.50	17.96	18.05	18.04	19.50
EDGE 3 Tx slots	22.27	22.21	22.25	24.00	16.01	17.95	17.99	19.74
EDGE 4 Tx slots	20.75	20.69	20.74	22.50	17.75	17.69	17.74	19.50

GSM1900 Ant1 Default/DS1 1

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)	29.55	29.44	29.34	30.50	20.55	20.44	20.34	21.50
GSM 1 Tx slot	29.35	29.37	29.26	30.50	20.35	20.37	20.26	21.50
GPRS 1 Tx slot	25.61	25.67	25.62	27.50	19.61	19.67	19.62	21.50
GPRS 2 Tx slots	24.04	24.14	24.11	26.00	19.78	19.88	19.85	21.74
GPRS 3 Tx slots	22.82	22.83	22.72	24.50	19.82	19.83	19.72	21.50
GPRS 4 Tx slots	26.38	26.25	26.28	27.50	17.38	17.25	17.28	18.50
EDGE 1 Tx slot	23.08	23.17	23.02	24.50	17.08	17.17	17.02	18.50
EDGE 2 Tx slots	21.97	21.85	21.86	23.00	17.71	17.59	17.60	18.74
EDGE 4 Tx slots	20.74	20.61	20.73	21.50	17.74	17.61	17.73	18.50

WCDMA II Ant1 Default/DS1 1

WCDMA IV Ant1 Default/DS1 1

WCDMA V Ant1 Default/DS1 1

Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
	9602	9400	9538		1312	1413	1513		4192	4182	4233	
TX Channel	9602	9800	9938		1637	1638	1738		4357	4407	4459	
Rx Channel	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
Frequency (MHz)	24.10	24.25	24.11	25.00	23.97	24.07	24.03	25.00	24.33	24.44	24.38	25.50
3GPP Rel 99	24.11	24.26	24.13	25.00	23.99	24.08	24.05	25.00	24.36	24.45	24.41	25.50
3GPP Rel 99	23.28	23.30	23.06	24.00	23.07	22.84	23.00	24.00	23.42	23.44	23.25	24.50
3GPP Rel 6	22.96	23.14	23.11	24.00	22.97	23.04	22.83	24.00	23.48	23.42	23.29	24.50
3GPP Rel 6	22.34	22.33	22.62	23.50	22.47	22.53	22.34	23.50	22.94	22.88	22.80	24.00
3GPP Rel 6	22.67	22.73	22.59	23.50	22.29	22.49	22.19	23.50	22.91	22.90	22.69	24.00
3GPP Rel 6	23.29	23.23	23.19	24.00	23.12	23.00	22.96	24.00	23.29	23.37	23.18	24.50
3GPP Rel 8	23.04	23.29	23.09	24.00	22.79	23.03	22.85	24.00	23.30	23.39	23.05	24.50
3GPP Rel 8	22.28	22.31	22.63	23.50	22.65	22.61	22.46	23.50	22.80	22.73	22.73	24.00
3GPP Rel 8	22.60	22.90	22.55	23.50	22.25	22.50	22.33	23.50	22.77	22.85	22.69	24.00
3GPP Rel 6	23.26	23.27	23.09	24.00	22.78	22.96	23.01	24.00	23.41	23.35	23.27	24.50
3GPP Rel 6	21.56	21.23	21.38	22.00	21.06	20.98	20.91	22.00	21.37	21.35	21.23	22.50
3GPP Rel 6	22.25	22.17	22.16	23.00	21.94	22.22	21.76	23.00	22.36	22.27	22.24	23.50
3GPP Rel 6	21.29	21.12	21.28	22.00	20.70	20.99	20.69	22.00	21.33	21.30	21.26	22.50
3GPP Rel 6	23.22	23.17	23.13	24.00	22.87	23.11	23.13	24.00	23.40	23.30	23.27	24.50
3GPP Rel 7	20.76	20.86	20.53	21.50	20.35	20.46	20.21	21.50	20.94	20.80	20.88	22.00

Band 2 Ant1 Default/DSI 1														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. 18070	Power High Ch./Freq. 18090	Power Max Ch./Freq. 18120	Turn-up Init. (dB)	MPE (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	24.32	24.36	24.29	25	0						
20	QPSK	1	49	24.27	24.09	24.19								
20	QPSK	1	99	24.07	24.09	24.08								
20	QPSK	50	0	23.13	23.34	23.24	24	1						
20	QPSK	50	24	23.07	23.07	23.09								
20	QPSK	50	50	23.20	23.04	23.26								
20	QPSK	100	0	22.94	23.14	23.09	24	1						
20	IQPSK	100	0	22.97	22.99	22.98								
20	IQPSK	1	49	22.91	23.02	23.09								
20	IQPSK	1	99	22.88	22.81	22.64	23	2						
20	IQPSK	50	0	22.14	22.25	22.14								
20	IQPSK	50	24	22.09	22.14	22.27								
20	IQPSK	50	50	21.94	21.83	22.01	22	3						
20	IQPSK	100	0	22.18	21.77	21.81								
20	IQPSK	1	0	22.07	22.08	21.97								
20	IQPSK	1	49	22.19	22.04	22.06	23	2						
20	IQPSK	1	99	22.15	22.09	22.07								
20	IQPSK	50	0	21.15	21.16	21.30								
20	IQPSK	50	24	21.11	21.23	21.15	22	3						
20	IQPSK	50	50	21.03	20.94	21.40								
20	IQPSK	100	0	21.12	21.22	21.09								
Channel														
Frequency (MHz)														
15	QPSK	1	0	24.21	24.26	24.17	25	0						
15	QPSK	1	37	24.14	24.05	24.12								
15	QPSK	1	74	23.06	24.04	24.02	24	1						
15	QPSK	36	0	23.09	23.29	23.13								
15	QPSK	36	20	22.94	22.96	22.99	24	1						
15	QPSK	36	39	23.13	22.98	23.17								
15	QPSK	75	0	22.92	23.08	23.12	24	1						
15	IQPSK	1	0	22.92	22.94	22.86								
15	IQPSK	1	37	22.80	22.94	23.04	24	1						
15	IQPSK	1	74	22.87	22.74	22.75								
15	IQPSK	36	0	22.92	22.21	22.10	23	2						
15	IQPSK	36	20	21.07	22.08	22.10								
15	IQPSK	36	39	21.91	21.76	21.91	23	2						
15	IQPSK	75	0	22.01	21.79	21.73								
15	IQPSK	1	0	22.01	21.97	21.88	23	2						
15	IQPSK	1	37	22.09	21.86	22.00								
15	IQPSK	1	74	22.08	21.84	21.84	22	3						
15	IQPSK	36	0	21.09	21.07	21.32								
15	IQPSK	36	20	21.00	21.10	21.08	22	3						
15	IQPSK	36	39	21.03	21.03	21.03								
15	IQPSK	75	0	21.04	21.16	20.98								
Channel														
Frequency (MHz)														
10	QPSK	1	0	24.18	24.25	24.15	25	0						
10	QPSK	1	25	24.14	24.11	24.09								
10	QPSK	1	49	24.01	23.97	24.06	24	1						
10	QPSK	25	0	23.04	23.25	23.13								
10	QPSK	25	12	22.99	22.96	22.96	24	1						
10	QPSK	25	25	23.12	22.83	23.14								
10	QPSK	50	0	22.87	23.03	23.04	24	1						
10	IQPSK	1	0	22.90	23.02	22.86								
10	IQPSK	1	25	22.86	22.94	22.94	24	1						
10	IQPSK	1	49	22.75	22.70	22.70								
10	IQPSK	25	0	22.91	22.30	22.14	23	2						
10	IQPSK	25	12	22.91	22.80	22.14								
10	IQPSK	25	25	21.01	21.75	21.80	23	2						
10	IQPSK	50	0	22.15	21.72	21.72								
10	IQPSK	50	12	22.09	22.09	22.09	23	2						
10	IQPSK	1	25	22.10	21.95	22.00								
10	IQPSK	1	49	22.06	22.08	22.12	22	3						
10	IQPSK	25	12	21.05	21.14	21.04								
10	IQPSK	25	25	20.87	20.61	21.28	22	3						
10	IQPSK	50	0	20.90	21.07	20.98								
Channel														
Frequency (MHz)														
5	QPSK	1	0	24.23	24.21	24.14	25	0						
5	QPSK	1	12	24.15	24.12	24.12								
5	QPSK	1	24	23.98	23.95	24.07	24	1						
5	QPSK	12	0	23.06	23.24	23.14								
5	QPSK	12	7	22.98	23.02	23.00	24	1						
5	QPSK	12	13	23.04	23.01	23.12								
5	QPSK	25	0	22.82	23.10	23.09	24	1						
5	IQPSK	1	0	22.94	23.04	22.81								
5	IQPSK	1	12	22.82	22.88	23.03	24	1						
5	IQPSK	1	24	22.96	22.67	22.94								
5	IQPSK	12	0	22.93	22.22	22.10	23	2						
5	IQPSK	12	7	22.93	21.99	22.98								
5	IQPSK	12	13	22.93	22.93	22.93	23	2						
5	IQPSK	25	0	22.14	21.69	21.81								
5	IQPSK	1	0	21.98	21.65	21.89	23	2						
5	IQPSK	1	12	22.06	22.04	22.04								
5	IQPSK	1	24	22.07	22.02	22.03	22	3						
5	IQPSK	12	0	21.10	21.13	21.36								
5	IQPSK	12	7	21.00	21.09	21.09	22	3						
5	IQPSK	12	13	20.90	20.88	21.31								
5	IQPSK	25	0	20.97	21.08	21.01								
Channel														
Frequency (MHz)														
3	QPSK	1	0	24.28	24.25	24.19	25	0						
3	QPSK	1	8	24.17	24.08	24.06								
3	QPSK	1	14	24.02	23.94	24.06	24	1						
3	QPSK	8	0	23.12	23.29	23.14								
3	QPSK	8	4	22.96	22.97	22.96	24	1						
3	QPSK	8	7	23.03	22.90	23.11								
3	QPSK	16	0	22.83	23.10	23.07	24	1						
3	IQPSK	1	0	22.92	23.02	22.80								
3	IQPSK	1	8	22.76	22.88	23.00	24	1						
3	IQPSK	1	14	22.63	22.69	22.63								
3	IQPSK	8	0	22.08	22.06	22.10	23	2						
3	IQPSK	8	7	21.94	21.74	21.92								
3	IQPSK	16	0	22.12	21.72	21.78	23	2						
3	IQPSK	1	0	21.94	21.95	21.89								
3	IQPSK	1	8	22.14	22.05	21.94	22	3						
3	IQPSK	1	14	22.02	22.01	22.05								
3	IQPSK	8	0	21.07	21.10	21.27	22	3						
3	IQPSK	8	4	21.07	21.14	21.03								
3	IQPSK	8	7	20.91	20.80	20.90	22	3						
3	IQPSK	16	0	21.00	21.17	20.9								

Band 7 Ant1 Default/DS1														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Turn-up limit (dBm)	MPE (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	24.40	24.43	24.37	25.5	0						
20	QPSK	1	48	24.32	24.35	24.40								
20	QPSK	1	96	24.20	24.35	24.17								
20	QPSK	50	0	23.34	23.44	23.27	24.5	1						
20	QPSK	50	24	23.18	23.11	23.27								
20	QPSK	50	50	23.32	23.33	23.24								
20	QPSK	100	0	23.18	23.25	23.22	24.5	1						
20	16QAM	1	0	23.33	23.18	23.23								
20	16QAM	1	48	23.11	23.23	23.36								
20	16QAM	1	96	23.17	23.19	23.14	23.5	2						
20	16QAM	50	0	22.36	22.47	22.46								
20	16QAM	50	24	22.48	22.33	22.52								
20	16QAM	50	50	22.38	22.13	22.62	22.5	3						
20	16QAM	100	0	22.37	22.28	22.28								
20	64QAM	1	0	22.21	22.28	22.34								
20	64QAM	1	48	22.34	22.19	22.59	23.5	2						
20	64QAM	1	96	22.27	22.35	22.20								
20	64QAM	50	0	21.32	21.33	21.58								
20	64QAM	50	24	21.39	21.45	21.34	22.5	3						
20	64QAM	50	50	21.28	21.15	21.54								
20	64QAM	100	0	21.32	21.39	21.34								
Channel														
Frequency (MHz)														
15	QPSK	1	0	24.32	24.28	24.27	25.5	0						
15	QPSK	1	37	24.32	24.21	24.30								
15	QPSK	1	74	24.10	24.28	24.27								
15	QPSK	36	0	23.29	23.43	23.25	24.5	1						
15	QPSK	36	20	23.21	23.17	23.25								
15	QPSK	36	36	23.33	23.29	23.33								
15	QPSK	75	0	23.24	23.24	23.25	24.5	1						
15	16QAM	1	0	23.20	23.25	23.18								
15	16QAM	1	37	23.27	23.18	23.28								
15	16QAM	1	74	23.22	23.14	23.22	23.5	2						
15	16QAM	36	0	22.22	22.41	22.37								
15	16QAM	36	20	22.34	22.28	22.42								
15	16QAM	36	36	22.25	22.22	22.18	23.5	2						
15	16QAM	75	0	22.30	22.27	22.28								
15	16QAM	75	0	22.16	22.33	22.25								
15	64QAM	1	37	22.29	22.13	22.27	22.5	3						
15	64QAM	1	74	22.20	22.29	22.21								
15	64QAM	36	0	21.19	21.27	21.49								
15	64QAM	36	20	21.25	21.37	21.22	22.5	3						
15	64QAM	36	36	21.16	21.25	21.31								
15	64QAM	75	0	21.20	21.27	21.30								
Channel														
Frequency (MHz)														
10	QPSK	1	0	24.26	24.34	24.24	25.5	0						
10	QPSK	1	25	24.37	24.20	24.32								
10	QPSK	1	49	24.18	24.32	24.14								
10	QPSK	25	0	23.37	23.44	23.24	24.5	1						
10	QPSK	25	12	23.15	23.12	23.28								
10	QPSK	25	25	23.29	23.33	23.21								
10	QPSK	50	0	23.27	23.25	23.25	24.5	1						
10	16QAM	1	0	23.24	23.13	23.28								
10	16QAM	1	25	23.29	23.14	23.22								
10	16QAM	1	49	23.15	23.28	23.24	23.5	2						
10	16QAM	25	0	22.27	22.40	22.42								
10	16QAM	25	12	22.33	22.19	22.40								
10	16QAM	25	25	22.41	22.33	22.27	23.5	2						
10	16QAM	50	0	22.33	22.25	22.35								
10	16QAM	50	0	22.26	22.25	22.28								
10	64QAM	1	25	22.27	22.28	22.31	23.5	2						
10	64QAM	1	49	22.22	22.28	22.16								
10	64QAM	25	0	21.19	21.24	21.43								
10	64QAM	25	12	21.31	21.33	21.22	22.5	3						
10	64QAM	25	25	21.14	21.29	21.51								
10	64QAM	50	0	21.26	21.27	21.28								
Channel														
Frequency (MHz)														
5	QPSK	1	0	24.26	24.36	24.27	25.5	0						
5	QPSK	1	12	24.32	24.19	24.32								
5	QPSK	1	24	24.17	24.20	24.10								
5	QPSK	12	0	23.24	23.29	23.17	24.5	1						
5	QPSK	12	7	23.17	23.27	23.31								
5	QPSK	12	13	23.34	23.30	23.29								
5	QPSK	20	0	23.22	23.27	23.28	24.5	1						
5	16QAM	1	0	23.28	23.23	23.29								
5	16QAM	1	12	23.25	23.10	23.23								
5	16QAM	1	24	23.24	23.13	23.41	23.5	2						
5	16QAM	12	0	22.35	22.43	22.41								
5	16QAM	12	13	22.42	22.21	22.47								
5	16QAM	20	0	22.28	22.21	22.24	23.5	2						
5	64QAM	1	0	22.13	22.24	22.23								
5	64QAM	1	12	22.26	22.15	22.26								
5	64QAM	1	24	22.13	22.25	22.21	22.5	3						
5	64QAM	12	0	21.28	21.30	21.52								
5	64QAM	12	7	21.30	21.33	21.21								
5	64QAM	12	13	21.19	21.10	21.53	22.5	3						
5	64QAM	20	0	21.24	21.33	21.21								

Band 12 Ant1 Default/DS1 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Turnup limit (dB)	MPE (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	24.51	24.70	24.54	25.5	0		
10	QPSK	1	25	24.45	24.62	24.39				
10	QPSK	1	49	24.31	24.32	24.32				
10	QPSK	25	0	23.41	23.52	23.48	24.5	1		
10	QPSK	25	12	23.28	23.44	23.38				
10	QPSK	25	25	23.41	23.48	23.48				
10	QPSK	50	0	23.39	23.44	23.35	24.5	1		
10	16QAM	1	0	23.38	23.36	23.32				
10	16QAM	1	25	23.50	23.47	23.51				
10	16QAM	1	49	23.63	23.68	23.64	23.5	2		
10	16QAM	25	0	22.47	22.40	22.44				
10	16QAM	25	12	22.43	22.42	22.59				
10	16QAM	25	25	22.51	22.50	22.51	22.5	3		
10	16QAM	50	0	22.51	22.49	22.59				
10	64QAM	1	0	22.47	22.45	22.59				
10	64QAM	1	25	22.53	22.38	22.51	23.5	2		
10	64QAM	1	49	22.59	22.31	22.26				
10	64QAM	25	0	21.44	21.46	21.52				
10	64QAM	25	12	21.40	21.34	21.46	22.5	3		
10	64QAM	25	25	21.47	21.41	21.35				
10	64QAM	50	0	21.57	21.35	21.49	Turnup limit (dB)	MPE (dB)		
Channel										
Frequency (MHz)										
5	QPSK	1	0	70.15	70.75	713.5				
5	QPSK	1	0	24.37	24.45	24.37	25.5	0		
5	QPSK	1	12	24.41	24.40	24.28				
5	QPSK	1	24	24.44	24.38	24.31				
5	QPSK	12	0	23.38	23.39	23.39	24.5	1		
5	QPSK	12	7	23.20	23.32	23.33				
5	QPSK	12	14	23.33	23.31	23.41				
5	QPSK	25	0	23.29	23.40	23.27	24.5	1		
5	QPSK	25	12	23.21	23.33	23.34				
5	QPSK	25	19	23.31	23.43	23.37				
5	16QAM	1	12	23.41	23.43	23.37	23.5	2		
5	16QAM	1	24	23.58	23.57	23.51				
5	16QAM	1	36	23.77	23.77	23.61				
5	16QAM	12	7	22.35	22.37	22.38	23.5	2		
5	16QAM	12	14	22.39	22.38	22.38				
5	16QAM	12	21	22.38	22.35	22.38				
5	16QAM	1	0	22.33	22.31	22.30	23.5	2		
5	16QAM	1	12	22.20	22.29	22.48				
5	16QAM	1	24	22.22	22.41	22.41				
5	16QAM	12	0	21.32	21.42	21.45	22.5	3		
5	16QAM	12	7	21.32	21.23	21.34				
5	16QAM	12	14	21.28	21.34	21.34				
5	16QAM	25	0	21.63	21.29	21.42	Turnup limit (dB)	MPE (dB)		
Channel										
Frequency (MHz)										
3	QPSK	1	0	24.40	24.51	24.29	25.5	0		
3	QPSK	1	8	24.32	24.44	24.35				
3	QPSK	1	16	24.45	24.43	24.38				
3	QPSK	8	4	23.31	23.31	23.29	24.5	1		
3	QPSK	8	12	23.17	23.43	23.43				
3	QPSK	16	0	23.35	23.39	23.28				
3	16QAM	1	0	23.33	23.31	23.24	24.5	1		
3	16QAM	1	8	23.42	23.41	23.35				
3	16QAM	1	16	23.56	23.61	23.51				
3	16QAM	8	0	22.41	22.50	22.29	23.5	2		
3	16QAM	8	8	22.47	22.47	22.48				
3	16QAM	8	16	22.47	22.47	22.48				
3	16QAM	16	0	22.41	22.39	22.55	23.5	2		
3	16QAM	1	8	22.19	22.30	22.48				
3	16QAM	1	16	22.28	22.30	22.48				
3	16QAM	8	4	21.35	21.21	21.43	22.5	3		
3	16QAM	8	12	21.31	21.21	21.43				
3	16QAM	8	20	21.47	21.25	21.38				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	24.46	24.44	24.30	25.5	0		
1.4	QPSK	1	3	24.37	24.45	24.31				
1.4	QPSK	1	6	24.47	24.50	24.48				
1.4	QPSK	3	1	24.22	24.41	24.34	24.5	1		
1.4	QPSK	3	1	24.34	24.33	24.48				
1.4	QPSK	3	1	24.37	24.35	24.45				
1.4	QPSK	6	0	23.32	23.48	23.32	24.5	1		
1.4	16QAM	1	0	23.45	23.34	23.25				
1.4	16QAM	1	3	23.34	23.34	23.46				
1.4	16QAM	1	6	23.34	23.36	23.24	24.5	1		
1.4	16QAM	3	0	23.26	23.24	23.46				
1.4	16QAM	3	3	23.40	23.37	23.46				
1.4	16QAM	3	3	23.59	23.54	23.58	23.5	2		
1.4	16QAM	6	0	22.44	22.52	22.58				
1.4	16QAM	6	3	22.39	22.39	22.58				
1.4	64QAM	1	3	22.41	22.48	22.47	23.5	2		
1.4	64QAM	1	6	22.48	22.43	22.44				
1.4	64QAM	1	9	22.58	22.38	22.44				
1.4	64QAM	3	1	22.28	22.30	22.20	22.5	3		
1.4	64QAM	3	1	22.28	22.28	22.20				
1.4	64QAM	6	0	21.34	21.42	21.46				

Band 17 Ant1 Default/DS1 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Time-up limit (sec)	MPE (dB)	
Channel									
Frequency (MHz)									
709 710 711									
10	QPSK	1	0	24.40	24.48	24.61	25.5	0	
10	QPSK	1	25	24.51	24.57	24.50			
10	QPSK	1	49	24.49	24.59	24.61			
10	QPSK	25	0	23.50	23.64	23.74			
10	QPSK	25	10	23.70	23.76	23.78			
10	QPSK	25	25	23.77	23.79	23.70	24.5	1	
10	QPSK	50	0	23.50	23.55	23.41			
10	16QAM	1	0	23.54	23.57	23.55			
10	16QAM	1	25	23.72	23.74	23.77			
10	16QAM	1	49	23.89	23.70	23.91			
10	16QAM	25	0	22.91	22.80	22.84	23.5	2	
10	16QAM	25	10	22.57	22.59	22.52			
10	16QAM	25	25	22.71	22.44	22.80			
10	16QAM	50	0	22.90	22.51	22.58			
10	16QAM	1	0	22.69	22.51	22.58			
10	16QAM	1	25	22.63	22.51	22.70	23.5	2	
10	16QAM	1	49	22.89	22.59	22.54			
10	16QAM	25	0	21.53	21.57	21.57			
10	16QAM	25	10	21.74	21.77	21.69			
10	16QAM	25	25	21.67	21.74	21.65			
10	16QAM	50	0	21.66	21.54	21.55	22.5	3	
Channel									
Frequency (MHz)									
709.5 710 710.5									
5	QPSK	1	0	24.46	24.60	24.58	25.5	0	
5	QPSK	1	12	24.47	24.47	24.37			
5	QPSK	1	24	24.42	24.48	24.53			
5	QPSK	12	0	23.30	23.80	23.61			
5	QPSK	12	7	23.69	23.70	23.66			
5	QPSK	12	13	23.74	23.70	23.59	24.5	1	
5	QPSK	25	0	23.49	23.44	23.57			
5	16QAM	1	0	23.43	23.45	23.42			
5	16QAM	1	12	23.60	23.61	23.64			
5	16QAM	1	24	23.62	23.68	23.61			
5	16QAM	12	0	22.53	22.49	22.46	23.5	2	
5	16QAM	12	13	22.49	22.40	22.48			
5	16QAM	12	13	22.63	22.30	22.48			
5	16QAM	25	0	22.48	22.34	22.44			
5	16QAM	1	0	22.55	22.49	22.48			
5	16QAM	1	12	22.53	22.43	22.65	23.5	2	
5	16QAM	1	24	22.64	22.53	22.44			
5	16QAM	12	0	21.42	21.46	21.50			
5	16QAM	12	7	21.65	21.54	21.64			
5	16QAM	12	13	21.54	21.60	21.58			
5	16QAM	25	0	21.63	21.59	21.41	22.5	3	

Band 26 Ant1 Default/DS1 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Time-up limit (sec)	MPE (dB)	
Channel									
Frequency (MHz)									
811.5 811.5 811.5									
15	QPSK	1	0	24.57	24.65	24.40	25.5	0	
15	QPSK	1	31	24.54	24.50	24.44			
15	QPSK	1	74	24.53	24.59	24.52			
15	QPSK	36	0	23.60	23.61	23.76			
15	QPSK	36	20	23.68	23.72	23.73			
15	QPSK	36	39	23.64	23.66	23.69	24.5	1	
15	QPSK	75	0	23.74	23.80	23.58			
15	16QAM	1	0	23.71	23.71	23.87			
15	16QAM	1	37	23.71	23.71	23.81			
15	16QAM	1	74	23.64	23.72	23.77			
15	16QAM	36	0	22.66	22.64	22.81	23.5	2	
15	16QAM	36	20	22.59	22.58	22.83			
15	16QAM	36	39	22.72	22.73	22.73			
15	16QAM	75	0	22.71	22.83	22.89			
15	16QAM	1	0	22.86	22.80	22.73			
15	16QAM	1	37	22.75	22.77	22.74	23.5	2	
15	16QAM	1	74	22.69	22.64	22.72			
15	16QAM	36	0	21.62	21.60	21.69			
15	16QAM	36	20	21.68	21.78	21.84			
15	16QAM	36	39	21.64	21.62	21.73			
15	16QAM	75	0	21.68	21.69	21.65	22.5	3	
Channel									
Frequency (MHz)									
811.9 811.9 811.9									
10	QPSK	1	0	24.53	24.58	24.51	25.5	0	
10	QPSK	1	25	24.48	24.44	24.37			
10	QPSK	1	49	24.39	24.50	24.45			
10	QPSK	25	0	23.74	23.75	23.64			
10	QPSK	25	12	23.59	23.67	23.73			
10	QPSK	25	25	23.64	23.61	23.55	24.5	1	
10	QPSK	50	0	23.70	23.67	23.44			
10	16QAM	1	0	23.59	23.62	23.86			
10	16QAM	1	25	23.61	23.66	23.80			
10	16QAM	1	49	23.64	23.63	23.73			
10	16QAM	25	0	22.53	22.58	22.86	23.5	2	
10	16QAM	25	12	22.43	22.44	22.60			
10	16QAM	25	25	22.59	22.58	22.59			
10	16QAM	50	0	22.62	22.51	22.59			
10	16QAM	1	0	22.61	22.68	22.84			
10	16QAM	1	25	22.67	22.66	22.66	23.5	2	
10	16QAM	1	49	22.56	22.55	22.62			
10	16QAM	25	0	21.70	21.61	21.73			
10	16QAM	25	12	21.81	21.67	21.73			
10	16QAM	25	25	21.65	21.62	21.70			
10	16QAM	50	0	21.63	21.60	21.59	22.5	3	
Channel									
Frequency (MHz)									
811.5 811.5 811.5									
3	QPSK	1	0	24.46	24.50	24.53	25.5	0	
3	QPSK	1	8	24.45	24.41	24.32			
3	QPSK	1	14	24.41	24.53	24.41			
3	QPSK	8	0	23.77	23.74	23.72			
3	QPSK	8	4	23.59	23.68	23.65			
3	QPSK	8	7	23.59	23.54	23.59	24.5	1	
3	QPSK	15	0	23.69	23.68	23.44			
3	16QAM	1	0	23.57	23.64	23.86			
3	16QAM	1	8	23.65	23.62	23.49			
3	16QAM	1	14	23.53	23.62	23.76			
3	16QAM	8	0	22.54	22.55	22.75	23.5	2	
3	16QAM	8	4	22.55	22.49	22.59			
3	16QAM	8	7	22.62	22.59	22.54			
3	16QAM	15	0	22.63	22.58	22.65			
3	16QAM	1	0	22.72	22.69	22.65			
3	16QAM	1	5	22.66	22.71	22.62	22.5	3	
3	16QAM	1	14	22.64	22.51	22.64			
3	16QAM	8	0	21.77	21.60	21.76			
3	16QAM	8	4	21.82	21.69	21.71			
3	16QAM	8	7	21.59	21.47	21.70			
3	16QAM	15	0	21.68	21.61	21.56	21.5	3	
Channel									
Frequency (MHz)									
814.7 814.7 814.7									
1.4	QPSK	1	0	24.45	24.51	24.55	25.5	0	
1.4	QPSK	1	3	24.42	24.46	24.39			
1.4	QPSK	1	8	24.45	24.41	24.35			
1.4	QPSK	3	0	24.48	24.48	24.45			
1.4	QPSK	3	1	24.37	24.39	24.33			
1.4	QPSK	3	2	24.34	24.48	24.43	24.5	1	
1.4	QPSK	6	0	23.67	23.76	23.63			
1.4	QPSK	3	0	23.58	23.63	23.68			
1.4	QPSK	3	1	23.51	23.52	23.63			
1.4	QPSK	3	5	23.69	23.74	23.54			
1.4	QPSK	3	6	23.59	23.61	23.71	23.5	2	
1.4	QPSK	3	10	23.67	23.67	23.64			
1.4	QPSK	3	14	23.65	23.65	23.65			
1.4	QPSK	3	18	23.60	23.63	23.64			
1.4	QPSK	3	22	23.57	23.57	23.61			
1.4	QPSK	3	26	23.44	22.55	22.49	23.5	2	
1.4	QPSK	3	30	23.58	22.67	22.60			
1.4	QPSK	3	34	23.62	22.63	22.63			
1.4	QPSK	3	38	22.81	22.69	22.55			
1.4	QPSK	3	42	22.66	22.64	22.62			
1.4	QPSK	3	46	22.61	22.61	22.61	22.5	3	
1.4	QPSK	3	50	21.72	21.51	21.70			

		GSM850 Ant4 DSI1					
GSM850	Burst Average Power (dBm)			Tuneup Limit	Frame-Average Power (dBm)		
TX Channel	128	189	251	Limit	128	189	251
Frequency (MHz)	824.2	836.4	848.8	(dBm)	824.2	836.4	848.8
GSM 1 Tx slot	30.69	30.74	30.57	31.50	21.69	21.74	21.57
GPRS 1 Tx slot	30.92	30.70	30.57	31.50	21.92	21.70	21.57
GPRS 2 Tx slots	28.40	28.46	28.38	29.00	22.40	22.46	22.38
GPRS 3 Tx slots	27.41	27.46	27.33	27.50	23.15	23.20	23.07
GPRS 4 Tx slots	25.22	25.20	25.12	26.00	22.22	22.20	22.12
EDGE 1 Tx slot	26.30	26.32	26.01	26.50	17.30	17.32	17.01
EDGE 2 Tx slots	23.43	23.32	23.31	23.50	17.43	17.32	17.31
EDGE 3 Tx slots	21.09	21.16	21.09	22.00	16.83	16.90	16.83
EDGE 4 Tx slots	19.75	19.77	19.89	20.50	16.75	16.77	16.89

		GSM1900 Ant4 DSI1						
GSM1900		Burst Average Power (dBm)			Tune-up Limit	Frame-Average Power (dBm)		
TX Channel		512	661	810	Limit	512	661	810
Frequency (MHz)		1850.2	1880	1909.8	(dBm)	1850.2	1880	1909.8
GSM 1 Tx slot		25.30	25.24	25.06	26.00	16.30	16.24	16.06
GPRS 1 Tx slot		25.34	25.09	25.36	26.00	16.34	16.09	16.36
GPRS 2 Tx slots		21.60	21.32	21.44	23.00	15.60	15.32	15.44
GPRS 3 Tx slots		20.12	20.12	20.05	21.50	15.86	15.86	15.79
GPRS 4 Tx slots		18.90	18.92	18.96	20.00	15.90	15.92	15.96
EDGE 1 Tx slot		21.92	21.95	21.97	23.00	12.92	12.95	12.97
EDGE 2 Tx slots		19.26	18.98	18.94	20.00	13.26	12.98	12.94
EDGE 3 Tx slots		17.59	17.67	17.55	18.50	13.33	13.41	13.29
EDGE 4 Tx slots		16.39	16.39	16.24	17.00	13.39	13.39	13.24

		WCDMA II Ant4 DSI1			WCDMA IV Ant4 DSI1						WCDMA V Ant4 DSI1			
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)	
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233		
Rx Channel		9662	9800	9938		1637	1638	1738		4357	4407	4468		
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6		
3GPP Rel 99	AMR 12.2kbps	19.69	19.56	19.72	20.50	21.19	21.24	21.18	22.00	22.13	22.27	22.25	22.50	
3GPP Rel 99	RMC 12.2kbps	19.58	19.76	19.68	20.50	21.23	21.28	21.26	22.00	22.32	22.44	22.36	22.50	
3GPP Rel 6	HSDPA Subtest-1	18.80	18.58	18.55	19.50	20.32	20.18	19.95	21.00	21.17	21.26	21.20	21.50	
3GPP Rel 6	HSDPA Subtest-2	18.59	18.55	18.67	19.50	20.22	20.18	20.05	21.00	21.23	21.21	21.33	21.50	
3GPP Rel 6	HSDPA Subtest-3	18.32	18.04	18.27	19.00	19.77	19.62	19.57	20.50	20.93	20.61	20.84	21.50	
3GPP Rel 6	HSDPA Subtest-4	18.30	18.48	18.32	19.00	19.53	19.65	19.49	20.50	20.62	20.57	20.64	21.00	
3GPP Rel 8	DC-HSDPA Subtest-1	18.60	18.70	18.72	19.50	20.40	20.37	20.42	21.00	21.11	21.39	21.12	21.50	
3GPP Rel 8	DC-HSDPA Subtest-2	18.48	18.70	18.81	19.50	20.09	20.18	20.23	21.00	21.22	21.07	21.32	21.50	
3GPP Rel 8	DC-HSDPA Subtest-3	18.21	18.40	18.21	19.00	19.69	19.62	19.61	20.50	20.58	20.83	20.83	21.00	
3GPP Rel 8	DC-HSDPA Subtest-4	18.16	18.49	18.37	19.00	19.57	19.65	19.65	20.50	20.59	20.51	20.81	21.00	
3GPP Rel 6	HSUPA Subtest-1	18.66	18.84	18.54	19.50	20.22	19.93	19.96	21.00	21.23	21.15	21.23	21.50	
3GPP Rel 6	HSUPA Subtest-2	16.64	16.76	16.96	17.50	18.17	18.18	18.15	19.00	19.15	18.99	19.14	19.50	
3GPP Rel 6	HSUPA Subtest-3	17.66	17.91	17.56	18.50	19.17	19.11	19.06	20.00	20.34	20.24	20.25	20.50	
3GPP Rel 6	HSUPA Subtest-4	16.78	16.88	16.84	17.50	18.35	18.25	18.03	19.00	19.31	19.40	19.16	20.50	
3GPP Rel 6	HSUPA Subtest-5	18.62	18.86	18.59	19.50	20.05	20.33	20.31	21.00	20.94	21.32	21.36	21.50	
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	16.06	16.25	16.29	17.00	17.50	17.68	17.70	18.50	18.60	18.69	18.78	19.00	

Band 7 Ant4 DS1

BW [MHz]	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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	18.41	18.49	18.47	19.5	0
20	QPSK	1	49	18.40	18.44	18.41		
20	QPSK	1	99	18.40	18.32	18.34		
20	QPSK	50	0	18.35	18.45	18.33	19.5	0
20	QPSK	50	24	18.21	18.30	18.15		
20	QPSK	50	50	18.15	18.25	18.33		
20	QPSK	100	0	18.28	18.31	18.22	19.5	0
20	16QAM	1	0	18.40	18.45	18.41		
20	16QAM	1	49	18.36	18.30	18.37		
20	16QAM	1	99	18.25	18.34	18.36	19.5	0
20	16QAM	50	0	18.25	18.42	18.29		
20	16QAM	50	24	18.13	18.16	18.07		
20	16QAM	50	50	18.21	18.21	18.24	19.5	0
20	16QAM	100	0	18.31	18.42	18.19		
20	64QAM	1	0	18.39	18.48	18.48		
20	64QAM	1	49	18.41	18.33	18.34	19.5	0
20	64QAM	1	99	18.31	18.30	18.22		
20	64QAM	50	0	18.31	18.42	18.31		
20	64QAM	50	24	18.15	18.20	18.06	19.5	0
20	64QAM	50	50	18.09	18.28	18.28		
20	64QAM	100	0	18.25	18.41	18.23		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	18.16	18.14	18.23	19.5	0
15	QPSK	1	37	18.12	18.10	18.09		
15	QPSK	1	74	18.10	17.98	18.09		
15	QPSK	36	0	18.07	18.18	18.09	19.5	0
15	QPSK	36	20	17.99	18.05	17.95		
15	QPSK	36	39	17.86	17.89	18.02		
15	QPSK	75	0	17.92	17.98	17.96	19.5	0
15	16QAM	1	0	18.06	18.21	18.19		
15	16QAM	1	37	18.06	17.93	18.12		
15	16QAM	1	74	18.01	18.05	18.05	19.5	0
15	16QAM	36	0	17.95	18.05	18.06		
15	16QAM	36	20	17.84	17.88	17.74		
15	16QAM	36	39	17.88	17.85	17.88	19.5	0
15	16QAM	75	0	18.05	18.12	17.91		
15	16QAM	1	0	18.10	18.20	18.24		
15	64QAM	1	37	18.15	17.96	18.02	19.5	0
15	64QAM	1	74	18.07	18.08	17.87		
15	64QAM	36	0	17.94	18.07	18.07		
15	64QAM	36	20	17.80	17.85	17.75	19.5	0
15	64QAM	36	39	17.86	17.86	18.02		
15	64QAM	75	0	17.90	18.05	17.89		
Channel				20900	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2567.5		
10	QPSK	1	0	18.09	18.20	18.11	19.5	0
10	QPSK	1	25	18.12	18.20	18.12		
10	QPSK	1	49	18.10	18.04	17.96		
10	QPSK	25	0	18.02	18.14	18.04	19.5	0
10	QPSK	25	12	17.93	18.03	17.89		
10	QPSK	25	25	17.89	17.93	17.97		
10	QPSK	50	0	18.00	17.99	17.92	19.5	0
10	16QAM	1	0	18.15	18.25	18.15		
10	16QAM	1	25	18.03	17.96	18.14		
10	16QAM	1	49	17.93	18.05	18.00	19.5	0
10	16QAM	25	0	17.96	18.18	18.05		
10	16QAM	25	12	17.77	17.82	17.94		
10	16QAM	25	25	17.94	17.97	17.91	19.5	0
10	16QAM	50	0	18.02	18.13	17.84		
10	64QAM	1	0	18.08	18.19	18.16		
10	64QAM	1	25	18.13	18.04	18.07	19.5	0
10	64QAM	1	49	18.08	17.99	17.97		
10	64QAM	25	0	17.97	18.09	18.00		
10	64QAM	25	12	17.84	17.90	17.75	19.5	0
10	64QAM	25	25	17.82	18.03	17.99		
10	64QAM	50	0	17.92	18.15	17.90		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	18.14	18.21	18.20	19.5	0
5	QPSK	1	12	18.03	18.19	18.13		
5	QPSK	1	24	18.12	18.00	18.09		
5	QPSK	12	0	18.05	18.08	17.97	19.5	0
5	QPSK	12	7	17.90	17.94	17.81		
5	QPSK	12	13	17.82	17.95	18.06		
5	QPSK	25	0	17.95	17.95	17.89	19.5	0
5	16QAM	1	0	18.13	18.17	18.10		
5	16QAM	1	12	17.99	17.96	18.07		
5	16QAM	1	24	17.91	18.07	18.12	19.5	0
5	16QAM	12	0	17.97	18.19	18.06		
5	16QAM	12	7	17.90	17.94	17.77		
5	16QAM	12	13	17.85	17.95	17.99	19.5	0
5	16QAM	25	0	18.01	18.17	17.93		
5	64QAM	1	0	18.08	18.17	18.12		
5	64QAM	1	12	18.06	18.05	18.00	19.5	0
5	64QAM	1	24	17.96	17.94	17.98		
5	64QAM	12	0	18.02	18.16	17.99		
5	64QAM	12	7	17.92	17.89	17.79	19.5	0
5	64QAM	12	13	17.73	18.05	18.03		
5	64QAM	25	0	17.92	18.11	17.96		

Band 12 Ant4 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23060	23095	23150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	25.07	25.27	25.10	25.5	0
10	QPSK	1	25	25.04	25.15	25.14		
10	QPSK	1	49	25.00	25.07	25.04		
10	QPSK	25	0	24.07	24.27	24.09	24.5	1
10	QPSK	25	12	24.06	24.21	24.04		
10	QPSK	25	25	24.23	24.22	23.99		
10	QPSK	50	0	24.10	24.16	24.15	24.5	1
10	16QAM	1	0	24.18	24.25	24.36		
10	16QAM	1	25	24.39	24.48	24.28		
10	16QAM	1	49	24.42	24.33	24.22	23.5	2
10	16QAM	25	0	23.10	23.01	23.27		
10	16QAM	25	12	23.20	23.29	23.17		
10	16QAM	25	25	23.29	23.13	23.16	22.5	3
10	16QAM	50	0	23.18	23.05	23.22		
10	64QAM	1	0	23.20	23.04	23.17		
10	64QAM	1	25	23.12	23.02	23.38	23.5	2
10	64QAM	1	49	23.33	23.15	23.25		
10	64QAM	25	0	22.04	22.11	22.05		
10	64QAM	25	12	22.12	22.18	22.11	22.5	3
10	64QAM	25	25	22.28	22.09	22.19		
10	64QAM	50	0	22.01	22.18	21.98		
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	25.03	25.15	25.05	25.5	0
5	QPSK	1	12	24.82	25.13	24.92		
5	QPSK	1	24	24.95	24.85	25.05		
5	QPSK	12	0	23.86	24.19	23.98	24.5	1
5	QPSK	12	7	23.92	24.02	24.01		
5	QPSK	12	13	24.11	24.14	23.84		
5	QPSK	25	0	24.08	23.98	24.07	24.5	1
5	16QAM	1	0	24.10	24.22	24.14		
5	16QAM	1	12	24.25	24.29	24.15		
5	16QAM	1	24	24.39	24.34	24.17	23.5	2
5	16QAM	12	0	22.97	22.85	23.14		
5	16QAM	12	7	23.16	23.15	23.04		
5	16QAM	12	13	23.29	22.98	23.09	23.5	2
5	16QAM	25	0	22.96	22.92	23.15		
5	64QAM	1	0	23.13	22.86	23.08		
5	64QAM	1	12	22.96	22.93	23.21	23.5	2
5	64QAM	1	24	23.22	23.14	23.18		
5	64QAM	12	0	21.92	21.98	21.92		
5	64QAM	12	7	21.94	22.06	22.09	22.5	3
5	64QAM	12	13	22.14	21.86	22.16		
5	64QAM	25	0	21.84	22.10	21.85		
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR

Band 17 Ant4 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dbm)	MPR (db)		
Channel				23780	23790	23800				
Frequency (MHz)				709	710	711				
10	QPSK	1	0	25.19	25.26	25.13	25.5	0		
10	QPSK	1	25	25.20	25.22	25.15				
10	QPSK	1	49	25.12	25.03	25.05				
10	QPSK	25	0	24.20	24.34	24.12				
10	QPSK	25	12	24.15	24.21	24.23	24.5	1		
10	QPSK	25	25	24.23	24.24	24.23				
10	QPSK	50	0	24.15	24.27	24.24				
10	16QAM	1	0	24.38	24.34	24.24				
10	16QAM	1	25	24.37	24.32	24.39	24.5	1		
10	16QAM	1	49	24.40	24.42	24.37				
10	16QAM	25	0	23.29	23.13	23.31				
10	16QAM	25	12	23.25	23.09	23.25				
10	16QAM	25	25	23.25	23.26	23.10	23.5	2		
10	16QAM	50	0	23.26	23.28	23.17				
10	64QAM	1	0	23.23	23.30	23.24				
10	64QAM	1	25	23.47	23.40	23.40				
10	64QAM	1	49	23.27	23.27	23.40	23.5	2		
10	64QAM	25	0	22.17	22.21	22.12				
10	64QAM	25	12	22.25	22.33	22.29				
10	64QAM	25	25	22.11	22.19	22.10				
10	64QAM	50	0	22.07	22.15	22.14	22.5	3		
Channel				23785	23790	23825				
Frequency (MHz)				706.5	710	713.5				
5	QPSK	1	0	24.99	25.13	25.00	25.5	0		
5	QPSK	1	12	25.14	25.18	25.03				
5	QPSK	1	24	24.93	24.86	25.05				
5	QPSK	12	0	24.08	24.01	24.04				
5	QPSK	12	7	24.02	24.36	24.07	24.5	1		
5	QPSK	12	13	24.02	24.03	24.07				
5	QPSK	25	0	24.07	23.96	24.07				
5	16QAM	1	0	24.49	24.37	24.28				
5	16QAM	1	12	24.35	24.34	24.38	24.5	1		
5	16QAM	1	24	24.35	24.27	24.24				
5	16QAM	12	0	23.31	22.99	23.10				
5	16QAM	12	7	23.09	22.89	23.22				
5	16QAM	12	13	23.17	23.24	23.04	23.5	2		
5	16QAM	25	0	23.15	23.10	22.98				
5	64QAM	1	0	23.08	23.19	23.19				
5	64QAM	1	12	23.28	23.31	23.21				
5	64QAM	1	24	23.23	23.21	23.27	22.5	3		
5	64QAM	12	0	22.18	22.13	22.12				
5	64QAM	12	7	22.16	22.34	22.12				
5	64QAM	12	13	21.96	22.20	22.04				
5	64QAM	25	0	22.07	22.02	22.00				

Band 26 Ant4 DSI1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dbm)	MPR (db)		
Channel				26765	26865	26965				
Frequency (MHz)				821.5	831.5	841.5				
15	QPSK	1	0	21.24	21.37	21.16	21.5	0		
15	QPSK	1	37	21.18	21.28	21.25				
15	QPSK	1	74	21.13	21.21	21.01				
15	QPSK	36	0	21.26	21.29	21.15				
15	QPSK	36	20	21.11	21.20	21.16	21.5	0		
15	QPSK	36	39	21.23	21.25	21.16				
15	QPSK	75	0	21.18	21.27	21.23				
15	16QAM	1	0	21.24	21.22	21.21				
15	16QAM	1	37	21.07	21.27	21.27	21.5	0		
15	16QAM	1	74	21.25	21.25	21.12				
15	16QAM	36	0	21.26	21.27	21.23				
15	16QAM	36	20	21.26	21.21	21.33				
15	16QAM	36	39	21.23	21.18	21.36	21.5	0		
15	16QAM	75	0	21.21	21.31	21.19				
15	64QAM	1	0	21.31	21.31	21.18				
15	64QAM	1	37	20.88	21.19	21.23				
15	64QAM	1	74	21.14	21.31	21.09	21.5	0		
15	64QAM	36	0	21.28	21.28	21.10				
15	64QAM	36	20	21.18	21.24	21.24				
15	64QAM	36	39	21.27	21.27	21.20				
15	64QAM	75	0	21.02	21.32	21.13	21.5	0		
Channel				26740	26865	26990				
Frequency (MHz)				819	831.5	844				
10	QPSK	1	0	20.92	21.06	20.84	21.5	0		
10	QPSK	1	25	20.91	20.93	20.93				
10	QPSK	1	49	20.85	20.88	20.85				
10	QPSK	25	0	21.00	20.97	20.89				
10	QPSK	25	12	20.85	20.94	20.81	21.5	0		
10	QPSK	25	25	20.95	20.90	20.82				
10	QPSK	50	0	20.95	20.97	20.86				
10	16QAM	1	0	20.94	20.95	20.86				
10	16QAM	1	25	20.83	20.96	20.95	21.5	0		
10	16QAM	1	49	20.93	20.94	20.79				
10	16QAM	25	0	20.89	20.97	20.93				
10	16QAM	25	12	20.92	20.91	21.03				
10	16QAM	25	25	20.99	20.90	21.03	21.5	0		
10	16QAM	50	0	20.88	21.07	20.86				
10	64QAM	1	0	21.00	21.05	20.99				
10	64QAM	1	25	20.94	20.88	20.99				
10	64QAM	1	49	20.84	21.03	20.81	21.5	0		
10	64QAM	25	0	20.93	20.99	20.81				
10	64QAM	25	12	20.93	20.93	20.89				
10	64QAM	25	25	20.97	20.99	20.96				
10	64QAM	50	0	20.70	21.03	20.87	21.5	0		
Channel				26715	26865	27015				
Frequency (MHz)				816.5	831.5	846.5				
5	QPSK	1	0	21.00	21.09	20.87	21.5	0		
5	QPSK	1	12	20.85	21.03	20.93				
5	QPSK	1	24	20.83	20.86	20.77				
5	QPSK	12	0	20.91	20.95	20.83				
5	QPSK	12	7	20.81	20.90	20.83	21.5	0		
5	QPSK	12	13	20.87	20.98	20.94				
5	QPSK	25	0	20.83	20.94	20.91				
5	16QAM	1	0	20.89	20.91	20.91				
5	16QAM	1	12	20.82	20.97	21.02	21.5	0		
5	16QAM	1	24	20.97	20.97	20.88				
5	16QAM	12	0	20.85	20.94	20.86				
5	16QAM	12	7	20.89	20.96	20.99				
5	16QAM	12	13	20.87	20.88	21.12	21.5	0		
5	16QAM	25	0	20.97	20.98	20.84				
5	64QAM	1	0	20.97	20.99	20.85				
5	64QAM	1	12	20.84	20.83	20.88				
5	64QAM	1	24	20.76	20.94	20.93	21.5	0		
5	64QAM	12	0	21.04	21.00	20.73				
5	64QAM	12	7	20.87	20.87	20.72	21.5	0		
5	64QAM	12	13	21.03	20.91	20.97				
5	64QAM	25	0	20.75	21.07	20.87				
Channel				26705	26865	27025				
Frequency (MHz)				815.5	831.5	847.5				
3	QPSK	1	0	20.93	21.00	20.82	21.5	0		
3	QPSK	1	8	20.87	20.93	20.92				
3	QPSK	1	14	20.79	20.87	20.72				
3	QPSK	8	0	20.91	20.97	20.88				
3	QPSK	8	4	20.76	20.91	20.80	21.5	0		
3	QPSK	8	7	20.90	20.90	20.91				
3	QPSK	15	0	20.93	20.90	20.89				
3	16QAM	1	0	20.92	20.89	20.95				
3	16QAM	1	8	20.81	21.01	21.00	21.5	0		
3	16QAM	1	14	20.94	20.93	20.83				
3	16QAM	8	0	20.94	20.91	20.99				
3	16QAM	8	4	21.01	20.86	21.02				
3	16QAM	8	7	20.89	20.91	21.09	21.5	0		
3	16QAM	15	0	20.96	21.05	20.88				
3	16QAM	1	0	21.02	21.03	20.91				
3	64QAM	1	8	20.71	20.85	20.96				
3	64QAM	1	14	20.88	20.99	20.74	21.5	0		
3	64QAM	8	0	20.93	20.95	20.78				
3	64QAM	8	4	20.82	20.92	20.95				
3	64QAM	8	7	20.96	21.02	20.91				
3	64QAM	15	0	20.76	21.06	20.88	21.5	0		
Channel				26697	26865	27033				
Frequency (MHz)				814.7	831.5	848.3				
1.4	QPSK	1	0	20.97	21.08	20.80	21.5	0		
1.4	QPSK	1	3	20.88	21.03	20.88				
1.4	QPSK	1	5	20.77	20.89	20.71				
1.4	QPSK	3	0	20.94	20.94	20.84				
1.4	QPSK	3	1	20.74	20.93	20.99	21.5	0		
1.4	QPSK	3	3	20.97	21.01	20.91				
1.4	QPSK	6	0	20.83	20.90	20.88				
1.4	16QAM	1	0	20.95	20.93	20.89				
1.4	16QAM	1	3	20.76	20.95	20.95	21.5	0		
1.4	16QAM	1	5	20.98	20.97	20.88				
1.4	16QAM	3	0	20.91	21.03	20.95				
1.4	16QAM	3	1	21.02	21.01	21.04				
1.4	16QAM	3	3	20.92	20.94	21.06	21.5	0		
1.4	16QAM	6	0	20.84	21.04	20.90				
1.4	64QAM	1	3	21.02	20.94	20.85				
1.4	64QAM	1	3	20.70	20.84	20.93				
1.4	64QAM	3	1	20.79	20.95	20.90	21.5	0		
1.4	64QAM	3	3	21.03	20.96	20.85				
1.4	64QAM	3	3	20.87	20.89	20.87				
1.4	64QAM	3	3	20.98	20.96	20.96				
1.4	64QAM	6	0	20.71	21.06	20.78	21.5	0		

GSM850 Ant1 Default/DS12

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.64	32.54	32.47	33.50	23.64	23.54	23.47	24.50
GPRS 1 Tx slot	32.54	32.46	32.35	33.50	23.54	23.46	23.35	24.50
GPRS 2 Tx slots	29.49	29.37	29.43	31.00	23.49	23.37	23.43	25.00
GPRS 3 Tx slots	27.70	27.72	27.64	29.50	23.44	23.46	23.38	25.24
GPRS 4 Tx slots	26.31	26.28	26.27	28.00	23.31	23.28	23.27	25.00
EDGE 1 Tx slot	26.98	27.08	27.19	28.50	17.98	18.08	18.19	19.50
EDGE 2 Tx slots	23.96	24.05	24.04	25.50	17.96	18.05	18.04	19.50
EDGE 3 Tx slots	22.27	22.21	22.25	24.00	18.01	17.95	17.99	19.74
EDGE 4 Tx slots	20.75	20.69	20.74	22.50	17.75	17.69	17.74	19.50

GSM1900 Ant1 Default/DS12

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.55	29.44	29.34	30.50	20.55	20.44	20.34	21.50
GPRS 1 Tx slot	28.35	29.37	29.26	30.50	20.35	20.37	20.26	21.50
GPRS 2 Tx slots	25.61	25.67	25.62	27.50	19.61	19.67	19.62	21.50
GPRS 3 Tx slots	24.04	24.14	24.11	26.00	19.78	19.88	19.85	21.74
GPRS 4 Tx slots	22.82	22.83	22.72	24.50	19.82	19.83	19.72	21.50
EDGE 1 Tx slot	26.38	26.25	26.28	27.50	17.38	17.25	17.28	18.50
EDGE 2 Tx slots	23.08	23.17	23.02	24.50	17.08	17.17	17.02	18.50
EDGE 3 Tx slots	21.97	21.85	21.86	23.00	17.71	17.59	17.60	18.74
EDGE 4 Tx slots	20.74	20.61	20.73	21.50	17.74	17.61	17.73	18.50

WCDMA II Ant1 DS12

WCDMA IV Ant1 DS12

WCDMA V Ant1 Default/DS12

Band	WCDMA II				Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
	TX Channel	9262	9400	9538		1312	1413	1513		4132	4182	4233	
RX Channel	9662	9800	9938		1537	1638	1738		4357	4407	4458		
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	22.96	23.14	23.06	24.00	21.44	21.49	21.45	22.50	24.33	24.44	24.38	25.50
3GPP Rel 99	RMC 12.2Kbps	23.02	23.18	23.09	24.00	21.37	21.52	21.49	22.50	24.36	24.45	24.41	25.50
3GPP Rel 6	HSDPA Subtest-1	22.16	22.18	21.97	23.00	20.46	20.19	20.45	21.50	23.42	23.44	23.25	24.50
3GPP Rel 6	HSDPA Subtest-2	21.83	22.10	22.05	23.00	20.31	20.51	20.24	21.50	23.48	23.42	23.29	24.50
3GPP Rel 6	HSDPA Subtest-3	21.30	21.22	21.51	22.50	19.93	19.96	19.78	21.00	22.94	22.88	22.80	24.00
3GPP Rel 6	HSDPA Subtest-4	21.60	21.68	21.58	22.50	19.64	19.84	19.67	21.00	22.91	22.90	22.69	24.00
3GPP Rel 8	DC-HSDPA Subtest-1	22.18	22.15	22.13	23.00	20.56	20.46	20.40	21.50	23.29	23.37	23.18	24.50
3GPP Rel 8	DC-HSDPA Subtest-2	21.98	22.21	22.00	23.00	20.13	20.43	20.23	21.50	23.30	23.39	23.05	24.50
3GPP Rel 8	DC-HSDPA Subtest-3	21.20	21.18	21.57	22.50	20.05	20.02	19.81	21.00	22.80	22.73	22.73	24.00
3GPP Rel 8	DC-HSDPA Subtest-4	21.56	21.85	21.46	22.50	19.60	19.90	19.83	21.00	22.77	22.85	22.69	24.00
3GPP Rel 6	HSUPA Subtest-1	22.17	22.18	21.96	23.00	20.19	20.37	20.40	21.50	23.41	23.35	23.27	24.50
3GPP Rel 6	HSUPA Subtest-2	20.44	20.10	20.30	21.00	18.44	18.40	18.32	19.50	21.37	21.35	21.23	22.50
3GPP Rel 6	HSUPA Subtest-3	21.11	21.11	21.10	22.00	19.36	19.62	19.17	20.50	22.36	22.27	22.24	23.50
3GPP Rel 6	HSUPA Subtest-4	20.15	20.05	20.21	21.00	18.12	18.39	18.09	19.50	21.33	21.30	21.26	22.50
3GPP Rel 6	HSUPA Subtest-5	22.13	22.10	22.07	23.00	20.28	20.53	20.55	21.50	23.40	23.30	23.27	24.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.63	19.77	19.42	20.50	17.86	17.89	17.63	19.00	20.94	20.80	20.88	22.00

Band 2 Ant1 DS12												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	23.17	23.32	23.21	24	0				
20	QPSK	1	49	23.14	23.26	23.12						
20	QPSK	1	99	23.10	23.18	23.17						
20	QPSK	50	0	23.19	23.23	23.14						
20	QPSK	50	24	23.09	23.09	23.09	24	0				
20	QPSK	50	50	23.07	23.13	23.09						
20	QPSK	100	0	23.10	23.16	23.10						
20	16QAM	1	0	22.95	22.98	22.89						
20	16QAM	1	49	22.97	23.02	22.96	24	0				
20	16QAM	1	99	23.05	23.11	23.04						
20	16QAM	50	0	22.19	22.23	22.23						
20	16QAM	50	24	22.04	22.05	22.05						
20	16QAM	50	50	22.08	22.12	22.14	23	1				
20	16QAM	100	0	21.60	21.66	21.63						
20	64QAM	1	0	22.07	22.13	22.06						
20	64QAM	1	49	21.89	21.93	21.89						
20	64QAM	1	99	21.81	22.00	22.01	23	1				
20	64QAM	50	0	21.22	21.21	21.14						
20	64QAM	50	24	21.04	21.09	21.10						
20	64QAM	50	50	20.94	20.98	20.91						
20	64QAM	100	0	21.12	21.18	21.09	22	2				
Channel				18675	18800	19125			Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				18675	18800	19025						
15	QPSK	1	0	23.03	23.23	23.17	24	0				
15	QPSK	1	37	23.07	23.15	23.05						
15	QPSK	1	74	22.97	23.06	23.09						
15	QPSK	36	0	23.05	23.19	22.99						
15	QPSK	36	20	22.85	23.03	23.04	24	0				
15	QPSK	36	39	23.04	23.05	23.03						
15	QPSK	75	0	22.99	23.07	23.06						
15	16QAM	1	0	22.87	22.98	22.85						
15	16QAM	1	37	22.92	22.94	22.93	24	0				
15	16QAM	1	74	23.01	23.05	23.00						
15	16QAM	36	0	22.12	22.14	22.12						
15	16QAM	36	20	21.91	21.98	21.92						
15	16QAM	36	39	22.02	22.08	22.05	23	1				
15	16QAM	75	0	21.67	21.76	21.65						
15	64QAM	1	0	22.01	22.01	21.98						
15	64QAM	1	37	21.83	21.84	21.74						
15	64QAM	1	74	21.84	21.94	21.94	23	1				
15	64QAM	36	0	21.13	21.13	21.06						
15	64QAM	36	20	20.98	21.05	21.06						
15	64QAM	36	39	20.90	20.93	20.86						
15	64QAM	75	0	21.05	21.11	20.99	22	2				
Channel				18650	18800	19150			Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				18650	18800	19050						
10	QPSK	1	0	23.06	23.17	23.10	24	0				
10	QPSK	1	25	23.11	23.17	23.08						
10	QPSK	1	49	23.05	23.10	23.03						
10	QPSK	25	0	23.13	23.10	23.05						
10	QPSK	25	12	22.86	23.03	23.03	24	0				
10	QPSK	25	25	23.03	23.06	22.97						
10	QPSK	50	0	23.06	23.13	23.00						
10	16QAM	1	0	22.83	22.95	22.79						
10	16QAM	1	25	22.84	22.90	22.84	24	0				
10	16QAM	1	49	22.97	22.97	22.95						
10	16QAM	25	0	22.15	22.16	22.09						
10	16QAM	25	12	22.01	22.01	21.94						
10	16QAM	25	25	22.01	22.05	22.06	23	1				
10	16QAM	50	0	21.48	21.53	21.48						
10	64QAM	1	0	22.02	22.06	22.02						
10	64QAM	1	25	21.78	21.85	21.76						
10	64QAM	1	49	21.79	21.80	21.84	23	1				
10	64QAM	25	0	21.15	21.15	21.04						
10	64QAM	25	12	20.96	20.99	21.00						
10	64QAM	25	25	20.81	20.85	20.80						
10	64QAM	50	0	21.04	21.13	21.00	22	2				
Channel				18625	18800	19175			Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				18625	18800	19075						
5	QPSK	1	0	23.05	23.21	23.09	24	0				
5	QPSK	1	12	23.07	23.19	23.09						
5	QPSK	1	24	22.99	23.12	23.02						
5	QPSK	12	0	23.07	23.18	23.00						
5	QPSK	12	7	22.94	23.02	23.00	24	0				
5	QPSK	12	13	22.93	23.10	23.03						
5	QPSK	25	0	23.00	23.13	22.97						
5	16QAM	1	0	22.89	22.89	22.84						
5	16QAM	1	12	22.91	22.93	22.90	24	0				
5	16QAM	1	24	22.96	23.02	23.00						
5	16QAM	12	0	22.14	22.14	22.19						
5	16QAM	12	7	21.96	22.02	22.19						
5	16QAM	12	13	22.02	21.99	22.00	23	1				
5	16QAM	25	0	21.47	21.62	21.60						
5	64QAM	1	0	21.99	22.07	22.02						
5	64QAM	1	12	21.81	21.87	21.81						
5	64QAM	1	24	21.81	21.91	21.88	23	1				
5	64QAM	12	0	21.08	21.10	21.07						
5	64QAM	12	7	20.92	21.00	21.00						
5	64QAM	12	13	20.88	20.89	20.77						
5	64QAM	25	0	21.07	21.12	21.05	22	2				
Channel				18615	18800	19185			Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				18615	18800	19095						
3	QPSK	1	0	23.07	23.19	23.09	24	0				
3	QPSK	1	8	23.06	23.19	23.01						
3	QPSK	1	14	23.00	23.14	23.12						
3	QPSK	8	0	23.13	23.12	23.08						
3	QPSK	8	4	22.89	22.97	22.98	24	0				
3	QPSK	8	7	22.93	23.00	22.99						
3	QPSK	15	0	23.02	23.09	23.02						
3	16QAM	1	0	22.86	22.90	22.85						
3	16QAM	1	8	22.84	22.90	22.91	24	0				
3	16QAM	1	14	22.91	23.05	22.90						
3	16QAM	8	0	22.14	22.16	22.14						
3	16QAM	8	4	21.90	21.97	22.02						
3	16QAM	8	7	21.95	22.04	22.00	23	1				
3	16QAM	15	0	21.49	21.58	21.55						
3	64QAM	1	0	21.98	22.06	21.93						
3	64QAM	1	8	21.82	21.84	21.84						
3	64QAM	1	14	21.76	21.93	21.97	23	1				
3	64QAM	8	0	21.11	21.17	21.00						
3	64QAM	8	4	20.99	20.98	20.97						
3	64QAM	8	7	20.89	20.90	20.78						
3	64QAM	15	0	21.04	21.08	21.03	22					

Band 7 Ant1 Default/DS12

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	24.40	24.43	24.37	25.5	0
20	QPSK	1	49	24.32	24.30	24.40		
20	QPSK	1	99	24.20	24.35	24.17		
20	QPSK	50	0	23.34	23.44	23.27	24.5	1
20	QPSK	50	24	23.18	23.11	23.27		
20	QPSK	50	50	23.32	23.33	23.24		
20	QPSK	100	0	23.16	23.25	23.22	24.5	1
20	16QAM	1	0	23.33	23.16	23.23		
20	16QAM	1	49	23.11	23.23	23.36		
20	16QAM	1	99	23.17	23.19	23.14	23.5	2
20	16QAM	50	0	22.36	22.47	22.46		
20	16QAM	50	24	22.46	22.33	22.52		
20	16QAM	50	50	22.38	22.13	22.22	23.5	2
20	16QAM	100	0	22.37	22.26	22.28		
20	64QAM	1	0	22.21	22.28	22.34		
20	64QAM	1	49	22.34	22.19	22.39	23.5	2
20	64QAM	1	99	22.27	22.35	22.29		
20	64QAM	50	0	21.32	21.33	21.59		
20	64QAM	50	24	21.39	21.45	21.34	22.5	3
20	64QAM	50	50	21.28	21.16	21.64		
20	64QAM	100	0	21.32	21.39	21.34		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	24.32	24.28	24.27	25.5	0
15	QPSK	1	37	24.32	24.21	24.30		
15	QPSK	1	74	24.10	24.26	24.27		
15	QPSK	36	0	23.29	23.43	23.25	24.5	1
15	QPSK	36	20	23.21	23.17	23.25		
15	QPSK	36	39	23.33	23.29	23.23		
15	QPSK	75	0	23.24	23.24	23.25	24.5	1
15	16QAM	1	0	23.20	23.25	23.18		
15	16QAM	1	37	23.27	23.18	23.28		
15	16QAM	1	74	23.22	23.14	23.22	23.5	2
15	16QAM	36	0	22.22	22.41	22.37		
15	16QAM	36	20	22.34	22.28	22.42		
15	16QAM	36	39	22.25	22.22	22.12	23.5	2
15	16QAM	75	0	22.20	22.27	22.26		
15	16QAM	1	0	22.16	22.23	22.25		
15	64QAM	1	37	22.29	22.13	22.27	23.5	2
15	64QAM	1	74	22.20	22.26	22.15		
15	64QAM	36	0	21.19	21.27	21.49		
15	64QAM	36	20	21.25	21.37	21.22	22.5	3
15	64QAM	36	39	21.16	21.25	21.51		
15	64QAM	75	0	21.20	21.27	21.30		
Channel				20900	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	24.26	24.34	24.24	25.5	0
10	QPSK	1	25	24.37	24.20	24.32		
10	QPSK	1	49	24.16	24.32	24.14		
10	QPSK	25	0	23.37	23.44	23.24	24.5	1
10	QPSK	25	12	23.15	23.12	23.26		
10	QPSK	25	25	23.29	23.33	23.21		
10	QPSK	50	0	23.27	23.25	23.25	24.5	1
10	16QAM	1	0	23.24	23.13	23.26		
10	16QAM	1	25	23.29	23.14	23.22		
10	16QAM	1	49	23.15	23.29	23.24	23.5	2
10	16QAM	25	0	22.27	22.40	22.42		
10	16QAM	25	12	22.33	22.19	22.40		
10	16QAM	25	25	22.41	22.29	22.27	23.5	2
10	16QAM	50	0	22.33	22.25	22.35		
10	64QAM	1	0	22.26	22.25	22.29		
10	64QAM	1	25	22.27	22.28	22.31	23.5	2
10	64QAM	1	49	22.22	22.29	22.16		
10	64QAM	25	0	21.19	21.24	21.43		
10	64QAM	25	12	21.31	21.33	21.22	22.5	3
10	64QAM	25	25	21.14	21.29	21.51		
10	64QAM	50	0	21.28	21.27	21.25		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	24.26	24.30	24.27	25.5	0
5	QPSK	1	12	24.32	24.19	24.32		
5	QPSK	1	24	24.17	24.20	24.10		
5	QPSK	12	0	23.24	23.29	23.17	24.5	1
5	QPSK	12	7	23.17	23.27	23.31		
5	QPSK	12	13	23.34	23.35	23.29		
5	QPSK	25	0	23.22	23.27	23.28	24.5	1
5	16QAM	1	0	23.28	23.23	23.29		
5	16QAM	1	12	23.25	23.10	23.23		
5	16QAM	1	24	23.24	23.13	23.21	23.5	2
5	16QAM	12	0	22.30	22.43	22.41		
5	16QAM	12	7	22.42	22.21	22.47		
5	16QAM	12	13	22.30	22.29	22.15	23.5	2
5	16QAM	25	0	22.28	22.21	22.24		
5	64QAM	1	0	22.13	22.24	22.23		
5	64QAM	1	12	22.28	22.15	22.38	23.5	2
5	64QAM	1	24	22.13	22.25	22.21		
5	64QAM	12	0	21.28	21.30	21.52		
5	64QAM	12	7	21.29	21.37	21.21	22.5	3
5	64QAM	12	13	21.19	21.10	21.53		
5	64QAM	25	0	21.24	21.33	21.21		

Band 12 Ant1 Default/DS12

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23050	23095	23150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	24.51	24.70	24.54	25.5	0
10	QPSK	1	25	24.45	24.52	24.39		
10	QPSK	1	49	24.31	24.32	24.32		
10	QPSK	25	0	23.41	23.52	23.46	24.5	1
10	QPSK	25	12	23.36	23.44	23.36		
10	QPSK	25	25	23.41	23.48	23.46		
10	QPSK	50	0	23.39	23.44	23.35	24.5	1
10	16QAM	1	0	23.38	23.36	23.32		
10	16QAM	1	25	23.50	23.47	23.51		
10	16QAM	1	49	23.63	23.66	23.64	23.5	2
10	16QAM	25	0	22.47	22.40	22.44		
10	16QAM	25	12	22.43	22.42	22.50		
10	16QAM	25	25	22.51	22.52	22.51	23.5	2
10	16QAM	50	0	22.51	22.49	22.50		
10	64QAM	1	0	22.47	22.45	22.58		
10	64QAM	1	25	22.33	22.38	22.31	23.5	2
10	64QAM	1	49	22.49	22.31	22.26		
10	64QAM	25	0	21.44	21.46	21.52		
10	64QAM	25	12	21.40	21.34	21.45	22.5	3
10	64QAM	25	25	21.47	21.41	21.38		
10	64QAM	50	0	21.57	21.35	21.49		
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	24.37	24.45	24.37	25.5	0
5	QPSK	1	12	24.41	24.40	24.28		
5	QPSK	1	24	24.44	24.39	24.49		
5	QPSK	12	0	23.38	23.39	23.41	24.5	1
5	QPSK	12	7	23.20	23.32	23.33		
5	QPSK	12	13	23.32	23.33	23.41		
5	QPSK	25	0	23.29	23.40	23.27	24.5	1
5	16QAM	1	0	23.24	23.21	23.46		
5	16QAM	1	12	23.41	23.43	23.37		
5	16QAM	1	24	23.58	23.57	23.51	23.5	2
5	16QAM	12	0	22.38	22.27	22.41		
5	16QAM	12	7	22.35	22.32	22.38		
5	16QAM	12	13	22.39	22.38	22.38	23.5	2
5	16QAM	25	0	22.41	22.35	22.39		
5	64QAM	1	0	22.32	22.41	22.50		
5	64QAM	1	12	22.20	22.29	22.48	23.5	2
5	64QAM	1	24	22.43	22.22	22.44		
5	64QAM	12	0	21.32	21.42	21.45		
5	64QAM	12	7	21.32	21.23	21.34	22.5	3
5	64QAM	12	13	21.44	21.28	21.34		
5	64QAM	25	0	21.53	21.29	21.42		
Channel				23025	23095	23165	Tune-up limit (dBm)	MP

Band 38 Ant1 Default/DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	25.5	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	24.32	24.42	24.38			
20	QPSK	1	49	24.27	24.16	24.21	24.5	1	
20	QPSK	1	99	24.25	24.30	24.24			
20	QPSK	50	0	23.20	23.31	23.21			
20	QPSK	50	24	23.14	23.24	23.23	24.5	1	
20	QPSK	50	50	23.22	23.21	23.28			
20	QPSK	100	0	23.22	23.24	23.14			
20	16QAM	1	0	23.27	23.39	23.22	24.5	1	
20	16QAM	1	49	23.28	23.40	23.40			
20	16QAM	1	99	23.33	23.24	23.30			
20	16QAM	50	0	22.32	22.29	22.46	23.5	2	
20	16QAM	50	24	22.19	22.12	22.27			
20	16QAM	50	50	22.13	22.27	22.28			
20	16QAM	100	0	22.22	22.16	22.27	23.5	2	
20	64QAM	1	0	22.23	22.19	22.15			
20	64QAM	1	49	22.21	22.14	22.19			
20	64QAM	1	99	22.13	22.18	22.22	22.5	3	
20	64QAM	50	0	21.36	21.46	21.50			
20	64QAM	50	24	21.48	21.56	21.46			
20	64QAM	50	50	21.42	21.27	21.72	22.5	3	
20	64QAM	100	0	21.42	21.56	21.28			
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5	25.5	0	
15	QPSK	1	0	24.23	24.34	24.27			
15	QPSK	1	37	24.19	24.13	24.12	24.5	1	
15	QPSK	1	74	24.30	24.39	24.31			
15	QPSK	36	0	23.36	23.41	23.33			
15	QPSK	36	20	23.27	23.30	23.33	24.5	1	
15	QPSK	36	39	23.44	23.36	23.45			
15	QPSK	75	0	23.12	23.31	23.32			
15	16QAM	1	0	23.14	23.35	23.16	24.5	1	
15	16QAM	1	37	23.14	23.32	23.32			
15	16QAM	1	74	23.27	23.13	23.18			
15	16QAM	36	0	22.48	22.53	22.57	23.5	2	
15	16QAM	36	20	22.27	22.56	22.35			
15	16QAM	36	39	22.29	22.18	22.39			
15	16QAM	75	0	22.29	22.27	22.23	23.5	2	
15	64QAM	1	0	22.38	22.31	22.31			
15	64QAM	1	37	22.15	22.31	22.25			
15	64QAM	1	74	22.25	22.24	22.30	22.5	3	
15	64QAM	36	0	21.25	21.36	21.41			
15	64QAM	36	20	21.42	21.45	21.33			
15	64QAM	36	39	21.30	21.22	21.64	22.5	3	
15	64QAM	75	0	21.37	21.46	21.19			
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615	25.5	0	
10	QPSK	1	0	24.22	24.30	24.21			
10	QPSK	1	25	24.38	24.24	24.30	24.5	1	
10	QPSK	1	49	24.33	24.37	24.32			
10	QPSK	25	0	23.31	23.48	23.33			
10	QPSK	25	12	23.21	23.32	23.37	24.5	1	
10	QPSK	25	25	23.48	23.38	23.45			
10	QPSK	50	0	23.16	23.36	23.39			
10	16QAM	1	0	23.21	23.28	23.31	24.5	1	
10	16QAM	1	25	23.22	23.32	23.36			
10	16QAM	1	49	23.24	23.17	23.20			
10	16QAM	25	0	22.20	22.29	22.37	23.5	2	
10	16QAM	25	12	22.13	22.26	22.23			
10	16QAM	25	25	22.19	22.15	22.37			
10	16QAM	50	0	22.39	22.22	22.20	23.5	2	
10	64QAM	1	0	22.33	22.33	22.32			
10	64QAM	1	25	22.28	22.25	22.21			
10	64QAM	1	49	22.24	22.31	22.33	22.5	3	
10	64QAM	25	0	21.32	21.37	21.40			
10	64QAM	25	12	21.42	21.46	21.42			
10	64QAM	25	25	21.33	21.16	21.58	22.5	3	
10	64QAM	50	0	21.30	21.49	21.19			
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5	25.5	0	
5	QPSK	1	0	24.14	24.37	24.19			
5	QPSK	1	12	24.19	24.28	24.12	24.5	1	
5	QPSK	1	24	24.25	24.26	24.30			
5	QPSK	12	0	23.36	23.38	23.31			
5	QPSK	12	7	23.20	23.34	23.32	24.5	1	
5	QPSK	12	13	23.44	23.35	23.35			
5	QPSK	25	0	23.31	23.56	23.60			
5	16QAM	1	0	23.35	23.46	23.28	24.5	1	
5	16QAM	1	12	23.44	23.46	23.49			
5	16QAM	1	24	23.40	23.35	23.44			
5	16QAM	12	0	22.46	22.52	22.55	23.5	2	
5	16QAM	12	7	22.31	22.53	22.34			
5	16QAM	12	13	22.25	22.18	22.41			
5	16QAM	25	0	22.33	22.26	22.23	23.5	2	
5	64QAM	1	0	22.29	22.27	22.26			
5	64QAM	1	12	22.17	22.19	22.22			
5	64QAM	1	24	22.25	22.30	22.32	22.5	3	
5	64QAM	12	0	21.30	21.42	21.46			
5	64QAM	12	7	21.40	21.47	21.33			
5	64QAM	12	13	21.36	21.22	21.65	22.5	3	
5	64QAM	25	0	21.33	21.42	21.17			

Band 41 Ant1 Default/DSI2												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490	25.5	0		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	24.38	24.46	24.48	24.39	24.46				
20	QPSK	1	49	24.33	24.42	24.44	24.38	24.34				
20	QPSK	1	99	24.18	24.28	24.39	24.26	24.24				
20	QPSK	50	0	23.27	23.33	23.50	23.24	23.36	24.5	1		
20	QPSK	50	24	23.35	23.36	23.43	23.21	23.21				
20	QPSK	50	50	23.29	23.44	23.46	23.31	23.40				
20	QPSK	100	0	23.47	23.61	23.70	23.50	23.55				
20	16QAM	1	0	23.34	23.45	23.45	23.27	23.36				
20	16QAM	1	49	23.42	23.54	23.60	23.45	23.44	24.5	1		
20	16QAM	1	99	23.37	23.37	23.50	23.40	23.36				
20	16QAM	50	0	22.49	22.50	22.58	22.47	22.46				
20	16QAM	50	24	22.37	22.44	22.58	22.33	22.41				
20	16QAM	50	50	22.33	22.37	22.54	22.37	22.31				
20	16QAM	100	0	22.23	22.31	22.40	22.35	22.28	23.5	2		
20	64QAM	1	0	22.23	22.37	22.33	22.19	22.21				
20	64QAM	1	49	22.34	22.41	22.42	22.37	22.31				
20	64QAM	1	99	22.24	22.24	22.35	22.29	22.29				
20	64QAM	50	0	21.59	21.65	21.71	21.47	21.55				
20	64QAM	50	24	21.37	21.50	21.60	21.44	21.41	22.5	3		
20	64QAM	50	50	21.48	21.48	21.58	21.36	21.39				
20	64QAM	100	0	21.39	21.44	21.61	21.50	21.46				
Channel				39725	40173	40620	41068	41515				
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5				
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	24.28	24.34	24.40	24.35	24.33	25.50	0		
15	QPSK	1	37	24.28	24.36	24.35	24.27	24.24				
15	QPSK	1	74	24.20	24.33	24.40	24.33	24.26				
15	QPSK	38	0	23.30	23.33	23.53	23.27	23.37				
15	QPSK	36	20	23.24	23.27	23.34	23.25	23.24				
15	QPSK	36	39	23.35	23.41	23.47	23.17	23.37	24.5	1		
15	QPSK	75	0	23.37	23.54	23.58	23.42	23.45				
15	16QAM	1	0	23.25	23.33	23.34	23.34	23.33				
15	16QAM	1	37	23.33	23.41	23.56	23.33	23.39				
15	16QAM	1	74	23.23	23.26	23.41	23.29	23.28				
15	16QAM	36	0	22.39	22.44	22.50	22.35	22.38	23.5	2		
15	16QAM	36	20	22.26	22.36	22.51	22.22	22.37				
15	16QAM	36	39	22.26	22.27	22.45	22.30	22.17				
15	16QAM	75	0	22.35	22.32	22.41	22.20	22.39				
15	64QAM	1	0	22.31	22.44	22.38	22.19	22.32				
15	64QAM	1	37	22.43	22.51	22.50	22.46	22.37	23.5	2		
15	64QAM	1	74	22.29	22.29	22.38	22.32	22.34				
15	64QAM	36	0	21.49	21.56	21.64	21.43	21.49				
15	64QAM	36	20	21.24	21.44	21.47	21.34	21.30				
15	64QAM	36	39	21.40	21.44	21.52	21.24	21.34				
15	64QAM	75	0	21.29	21.34	21.54	21.37	21.43	22.5	3		
Channel				39700	40160	40620	41080	41540				
Frequency (MHz)				2501	2547	2593	2639	2685				
10	QPSK	1	0	24.25	24.35	24.39	24.34	24.37			25.50	0
10	QPSK	1	25	24.24	24.37	24.35	24.29	24.23				
10	QPSK	1	49	24.20	24.38	24.28	24.27	24.35				
10	QPSK	25	0	23.27	23.34	23.59	23.25	23.38				
10	QPSK	25	12	23.30	23.22	23.29	23.31	23.30				
10	QPSK	25	25	23.21	23.40	23.48	23.18	23.34	24.5	1		
10	QPSK	50	0	23.42	23.50	23.63	23.38	23.46				
10	16QAM	1	0	23.29	23.34	23.38	23.29	23.24				
10	16QAM	1	25	23.31	23.47	23.51	23.41	23.33				
10	16QAM	1	49	23.25	23.26	23.39	23.32	23.30				
10	16QAM	25	0	22.36	22.44	22.53	22.43	22.33	23.5	2		
10	16QAM	25	12	22.33	22.34	22.44	22.26	22.31				
10	16QAM	25	25	22.18	22.29	22.46	22.29	22.25				
10	16QAM	50	0	22.25	22.31	22.49	22.17	22.30				
10	64QAM	1	0	22.27	22.43	22.34	22.25	22.27				
10	64QAM	1	25	22.35	22.52	22.52	22.44	22.36	23.5	2		
10	64QAM	1	49	22.27	22.28	22.38	22.33	22.34				
10	64QAM	25	0	21.47	21.58	21.62	21.33	21.44				
10	64QAM	25	12	21.31	21.45	21.50	21.33	21.37				
10	64QAM	25	25	21.37	21.38	21.54	21.24	21.28				
10	64QAM	50	0	21.25	21.35	21.58	21.44	21.39	22.5	3		
Channel				39675	40148	40620	41093	41565				
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5				
5	QPSK	1	0	24.27	24.35	24.34	24.32	24.37			25.50	0
5	QPSK	1	12	24.19	24.37	24.36	24.27	24.26				
5	QPSK	1	24	24.29	24.31	24.40	24.33	24.35				
5	QPSK	12	0	23.28	23.37	23.53	23.29	23.42				
5	QPSK	12	7	23.26	23.33	23.37	23.22	23.18				
5	QPSK	12	13	23.20	23.38	23.47	23.21	23.27	24.5	1		
5	QPSK	25	0	23.32	23.48	23.64	23.41	23.41				
5	16QAM	1	0	23.21	23.32	23.38	23.35	23.26				
5	16QAM	1	12	23.36	23.40	23.51	23.37	23.37				
5	16QAM	1	24	23.29	23.31	23.37	23.31	23.29				
5	16QAM	12	0	22.35	22.43	22.49	22.37	22.42	23.5	2		
5	16QAM	12	7	22.30	22.31	22.48	22.33	22.21				
5	16QAM	25	0	22.29	22.35	22.47	22.24	22.37				
5	64QAM	1	0	22.30	22.40	22.37	22.29	22.30				
5	64QAM	1	12	22.38	22.50	22.46	22.47	22.39				
5	64QAM	1	24	22.32	22.31	22.42	22.36	22.33	23.5	2		
5	64QAM	12	0	21.50	21.62	21.61	21.37	21.43				
5	64QAM	12	7	21.34	21.44	21.48	21.36	21.28				
5	64QAM	12	13	21.40	21.42	21.45	21.25	21.32				
5	64QAM	25	0	21.27	21.29	21.50	21.35	21.42				



Band 2 Ant2 Default/DSI2														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Tune-up limit (dBm)	MPR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	21.06	21.15	21.14	23	0						
20	QPSK	1	49	21.07	21.03	21.06								
20	QPSK	1	99	21.08	21.10	21.08								
20	QPSK	50	0	20.29	20.31	20.27	22	1						
20	QPSK	50	24	20.10	20.15	20.21								
20	QPSK	50	50	20.11	20.16	20.15								
20	QPSK	100	0	20.24	20.29	20.25	22	1						
20	16QAM	1	0	20.26	20.22	20.20								
20	16QAM	1	49	20.17	20.19	20.26								
20	16QAM	1	99	20.15	20.17	20.15	21	2						
20	16QAM	50	0	19.29	19.30	19.24								
20	16QAM	50	24	19.25	19.27	19.24								
20	16QAM	50	50	19.25	19.24	19.19	21	2						
20	64QAM	100	0	19.36	19.29	19.24								
20	64QAM	1	0	19.12	19.18	19.14								
20	64QAM	1	49	19.15	19.11	19.15	21	2						
20	64QAM	1	99	19.06	19.15	19.13								
20	64QAM	50	0	18.30	18.27	18.26								
20	64QAM	50	24	18.25	18.19	18.17	20	3						
20	64QAM	50	50	18.20	18.21	18.23								
20	64QAM	100	0	18.24	18.22	18.23								
Channel														
Frequency (MHz)														
15	QPSK	1	0	21.00	21.08	21.07	23	0						
15	QPSK	1	37	21.06	21.04	21.00								
15	QPSK	1	74	21.02	21.02	21.01								
15	QPSK	36	0	20.23	20.20	20.27	22	1						
15	QPSK	36	20	20.03	20.07	20.15								
15	QPSK	36	39	20.04	20.09	20.10								
15	QPSK	75	0	20.22	20.22	20.23	22	1						
15	16QAM	1	0	20.19	20.13	20.13								
15	16QAM	1	37	20.09	20.11	20.21								
15	16QAM	1	74	20.06	20.12	20.07	21	2						
15	16QAM	36	0	19.22	19.24	19.15								
15	16QAM	36	20	19.17	19.16	19.15								
15	16QAM	36	39	19.18	19.19	19.14	21	2						
15	16QAM	75	0	19.28	19.21	19.16								
15	64QAM	1	0	19.05	19.13	19.08								
15	64QAM	1	37	19.08	19.04	19.08	21	2						
15	64QAM	1	74	19.02	19.08	19.06								
15	64QAM	36	0	18.24	18.22	18.17								
15	64QAM	36	20	18.17	18.10	18.08	20	3						
15	64QAM	36	39	18.15	18.12	18.17								
15	64QAM	75	0	18.16	18.16	18.14								
Channel														
Frequency (MHz)														
10	QPSK	1	0	21.01	21.09	21.09	23	0						
10	QPSK	1	25	21.02	21.09	21.03								
10	QPSK	1	49	21.02	21.02	21.02								
10	QPSK	25	0	20.22	20.22	20.25	22	1						
10	QPSK	25	12	20.04	20.10	20.14								
10	QPSK	25	25	20.05	20.08	20.07								
10	QPSK	50	0	20.22	20.19	20.27	22	1						
10	16QAM	1	0	20.20	20.13	20.13								
10	16QAM	1	25	20.11	20.13	20.20								
10	16QAM	1	49	20.06	20.09	20.07	21	2						
10	16QAM	25	0	19.21	19.24	19.15								
10	16QAM	25	12	19.18	19.15	19.18								
10	16QAM	25	25	19.16	19.18	19.14	21	2						
10	16QAM	50	0	19.27	19.22	19.19								
10	64QAM	1	0	19.04	19.10	19.09								
10	64QAM	1	25	19.08	19.02	19.09	21	2						
10	64QAM	1	49	19.00	19.06	19.06								
10	64QAM	25	0	18.24	18.20	18.18								
10	64QAM	25	12	18.16	18.13	18.09	20	3						
10	64QAM	25	25	18.11	18.15	18.15								
10	64QAM	50	0	18.16	18.16	18.16								
Channel														
Frequency (MHz)														
5	QPSK	1	0	21.03	21.08	21.05	23	0						
5	QPSK	1	12	21.01	21.09	21.03								
5	QPSK	1	24	21.04	21.04	21.01								
5	QPSK	12	0	20.23	20.20	20.25	22	1						
5	QPSK	12	7	20.01	20.09	20.15								
5	QPSK	12	13	20.03	20.08	20.10								
5	QPSK	25	0	20.22	20.22	20.24	22	1						
5	16QAM	1	0	20.20	20.15	20.13								
5	16QAM	1	12	20.08	20.12	20.18								
5	16QAM	1	24	20.07	20.10	20.08	21	2						
5	16QAM	12	0	19.23	19.23	19.19								
5	16QAM	12	7	19.20	19.13	19.18								
5	16QAM	12	13	19.17	19.17	19.11	21	2						
5	16QAM	25	0	19.29	19.20	19.16								
5	64QAM	1	0	19.06	19.13	19.09								
5	64QAM	1	12	19.09	19.05	19.08	21	2						
5	64QAM	1	24	19.06	19.08	19.07								
5	64QAM	12	0	18.25	18.21	18.18								
5	64QAM	12	7	18.19	18.10	18.12	20	3						
5	64QAM	12	13	18.14	18.15	18.16								
5	64QAM	25	0	18.18	18.17	18.16								
Channel														
Frequency (MHz)														
3	QPSK	1	0	21.00	21.10	21.05	23	0						
3	QPSK	1	8	21.05	21.05	21.00								
3	QPSK	1	14	21.01	21.03	21.00								
3	QPSK	6	0	20.21	20.21	20.25	22	1						
3	QPSK	6	4	20.04	20.09	20.14								
3	QPSK	6	7	20.03	20.12	20.07								
3	QPSK	15	0	20.25	20.18	20.23	22	1						
3	16QAM	1	0	20.19	20.14	20.12								
3	16QAM	1	8	20.11	20.11	20.17								
3	16QAM	1	14	20.06	20.09	20.08	22	1						
3	16QAM	6	0	19.23	19.22	19.18								
3	16QAM	8	4	19.19	19.15	19.17								
3	16QAM	8	7	19.17	19.16	19.11	21	2						
3	16QAM	15	0	19.30	19.22	19.18								
3	64QAM	1	0	19.07	19.12	19.06								
3	64QAM	1	8	19.09	19.03	19.09	21	2						
3	64QAM	1	14	19.07	19.07	19.07								
3	64QAM	6	0	18.23	18.19	18.19								
3	64QAM	8	4	18.16	18.13	18.08	20	3						
3	64QAM	8	7	18.12	18.13	18.15								
3	64QAM	15	0	18.16	18.15	18.17								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	21.00	21.06	21.06	23	0						
1.4	QPSK	1	3	21.00	21.09	21.05								
1.4	QPSK	1	5	21.02	21.04	21.03								
1.4	QPSK	3	0	21.00	21.10	21.09	22	1						
1.4	QPSK	3	3	21.03	21.09	21.09								
1.4	QPSK	6	0	20.22	20.24	20.24								
1.4	16QAM	1	0	20.19	20.13	20.14	22	1						
1.4	16QAM	1	3	20.11	20.14	20.21								
1.4	16QAM	1	5	20.07	20.12	20.06								
1.4	16QAM	3	0	20.21	20.18	20.24	21	2						
1.4	16QAM	3	1	20.19	20.17	20.14								
1.4	16QAM	3	3	20.19	20.12	20.18								
1.4	16QAM	6	0	19.31	19.21	19.16	21	2						
1.4	64QAM	1	0	19.07	19.11	19.05								
1.4	64QAM	1	3	19.09	19.04	19.08								
1.4	64QAM	3	0	19.02	19.09	19.06	21	2						
1.4	64QAM	3	3	19.06	19.12	19.06								
1.4	64QAM	3	6	19.06	19.03	19.09								
1.4	64QAM	6	0	18.13	18.15	18.16	20	3						
1.4	64QAM	6	3	18.05	18.19	18.20								
1.4	64QAM	6	6	18.03	18.19	18.09								

Band 38 Ant2 Default/DSI2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	21.18	21.33	21.20	23	0		
20	QPSK	1	49	21.10	21.21	21.13				
20	QPSK	1	99	21.13	21.24	21.15				
20	QPSK	50	0	20.32	20.38	20.35	22	1		
20	QPSK	50	24	20.18	20.26	20.19				
20	QPSK	50	50	20.21	20.27	20.19				
20	QPSK	100	0	20.15	20.24	20.14	22	1		
20	16QAM	1	0	20.22	20.27	20.16				
20	16QAM	1	49	20.31	20.38	20.28				
20	16QAM	1	99	20.18	20.29	20.19	21	2		
20	16QAM	50	0	19.18	19.25	19.11				
20	16QAM	50	24	19.08	19.23	19.12				
20	16QAM	50	50	19.12	19.27	19.15	21	2		
20	16QAM	100	0	19.06	19.21	19.10				
20	64QAM	1	0	19.08	19.14	19.05				
20	64QAM	1	49	19.11	19.22	19.19	21	2		
20	64QAM	1	99	19.08	19.16	19.07				
20	64QAM	50	0	18.26	18.37	18.32				
20	64QAM	50	24	18.34	18.38	18.25	20	3		
20	64QAM	50	50	18.23	18.36	18.22				
20	64QAM	100	0	18.27	18.34	18.22				
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	21.07	21.28	21.06	23	0		
15	QPSK	1	37	21.03	21.12	21.13				
15	QPSK	1	74	21.08	21.10	21.10				
15	QPSK	36	0	20.21	20.24	20.24	22	1		
15	QPSK	36	20	20.11	20.11	20.12				
15	QPSK	36	39	20.15	20.17	20.10				
15	QPSK	75	0	20.04	20.19	20.03	22	1		
15	16QAM	1	0	20.10	20.22	20.07				
15	16QAM	1	37	20.27	20.23	20.24				
15	16QAM	1	74	20.07	20.16	20.15	21	2		
15	16QAM	36	0	19.14	19.12	19.01				
15	16QAM	36	20	19.00	19.16	19.06				
15	16QAM	36	39	19.04	19.21	19.08	21	2		
15	16QAM	75	0	19.02	19.09	19.05				
15	64QAM	1	0	19.00	19.02	19.05				
15	64QAM	1	37	19.02	19.11	19.13	21	2		
15	64QAM	1	74	19.03	19.03	19.22				
15	64QAM	36	0	18.17	18.34	18.24				
15	64QAM	36	20	18.28	18.31	18.11	20	3		
15	64QAM	36	39	18.16	18.32	18.08				
15	64QAM	75	0	18.19	18.19	18.15				
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	21.15	21.22	21.11	23	0		
10	QPSK	1	25	21.04	21.08	21.00				
10	QPSK	1	49	21.02	21.10	21.10				
10	QPSK	25	0	20.23	20.32	20.25	22	1		
10	QPSK	25	12	20.12	20.22	20.06				
10	QPSK	25	25	20.18	20.15	20.06				
10	QPSK	50	0	20.05	20.21	20.01	22	1		
10	16QAM	1	0	20.18	20.19	20.13				
10	16QAM	1	25	20.20	20.28	20.17				
10	16QAM	1	49	20.13	20.14	20.06	21	2		
10	16QAM	25	0	19.12	19.12	19.01				
10	16QAM	25	12	19.11	19.20	19.07				
10	16QAM	25	25	19.03	19.23	19.04	21	2		
10	16QAM	50	0	19.03	19.12	19.02				
10	64QAM	1	0	19.05	19.01	19.05				
10	64QAM	1	25	19.03	19.09	19.12	21	2		
10	64QAM	1	49	19.04	19.05	19.11				
10	64QAM	25	0	18.11	18.23	18.23				
10	64QAM	25	12	18.29	18.31	18.22	20	3		
10	64QAM	25	25	18.19	18.23	18.10				
10	64QAM	50	0	18.17	18.27	18.10				
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	21.05	21.19	21.12	23	0		
5	QPSK	1	12	21.02	21.16	21.07				
5	QPSK	1	24	21.22	21.10	21.03				
5	QPSK	12	0	20.23	20.24	20.30	22	1		
5	QPSK	12	7	20.05	20.15	20.06				
5	QPSK	12	13	20.18	20.16	20.15				
5	QPSK	25	0	20.06	20.19	20.03	22	1		
5	16QAM	1	0	20.15	20.19	20.12				
5	16QAM	1	12	20.27	20.27	20.21				
5	16QAM	1	24	20.11	20.15	20.09	21	2		
5	16QAM	12	0	19.13	19.14	19.03				
5	16QAM	12	7	19.00	19.14	19.04				
5	16QAM	12	13	19.01	19.15	19.10	21	2		
5	16QAM	25	0	19.24	19.08	19.01				
5	64QAM	1	0	19.16	19.11	19.03				
5	64QAM	1	12	19.02	19.15	19.15	21	2		
5	64QAM	1	24	19.01	19.07	19.03				
5	64QAM	12	0	18.22	18.28	18.29				
5	64QAM	12	7	18.24	18.29	18.14	20	3		
5	64QAM	12	13	18.14	18.25	18.15				
5	64QAM	25	0	18.12	18.29	18.16				

Band 41 Ant2 Default/DSI2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	21.30	21.21	21.34	21.20	21.31	23	0
20	QPSK	1	49	21.25	21.28	21.31	21.25	21.19		
20	QPSK	1	99	21.24	21.23	21.27	21.18	21.12		
20	QPSK	50	0	20.23	20.26	20.36	20.24	20.23	22	1
20	QPSK	50	24	20.17	20.29	20.32	20.29	20.21		
20	QPSK	50	50	20.20	20.13	20.28	20.20	20.24		
20	QPSK	100	0	20.18	20.26	20.33	20.29	20.22	22	1
20	16QAM	1	0	20.15	20.20	20.29	20.19	20.23		
20	16QAM	1	49	20.32	20.32	20.38	20.29	20.23		
20	16QAM	1	99	20.19	20.19	20.31	20.24	20.25	21	2
20	16QAM	50	0	19.08	19.10	19.23	19.19	19.17		
20	16QAM	50	24	19.25	19.14	19.29	19.19	19.21		
20	16QAM	50	50	19.24	19.28	19.31	19.28	19.27	21	2
20	16QAM	100	0	19.18	19.18	19.28	19.24	19.24		
20	64QAM	1	0	19.11	19.07	19.18	19.13	19.14		
20	64QAM	1	49	19.15	19.12	19.27	19.21	19.17	21	2
20	64QAM	1	99	19.14	19.08	19.19	19.05	19.12		
20	64QAM	50	0	18.17	18.11	18.25	18.21	18.15		
20	64QAM	50	24	18.23	18.25	18.28	18.18	18.16	20	3
20	64QAM	50	50	18.17	18.17	18.26	18.21	18.14		
20	64QAM	100	0	18.10	18.19	18.24	18.16	18.13		
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	21.15	21.14	21.31	21.08	21.18		
15	QPSK	1	37	21.14	21.15	21.20	21.15	21.08		
15	QPSK	1	74	21.12	21.15	21.18	21.07	21.05		
15	QPSK	36	0	20.15	20.14	20.22	20.17	20.12	22	1
15	QPSK	36	20	20.10	20.22	20.27	20.17	20.13		
15	QPSK	36	39	20.06	20.08	20.21	20.10	20.21		
15	QPSK	75	0	20.15	20.11	20.20	20.23	20.12	22	1
15	16QAM	1	0	20.04	20.13	20.25	20.15	20.17		
15	16QAM	1	37	20.25	20.28	20.29	20.24	20.09		
15	16QAM	1	74	20.06	20.13	20.18	20.11	20.20	21	2
15	16QAM	36	0	19.03	19.05	19.18	19.09	19.03		
15	16QAM	36	20	19.17	19.06	19.18	19.06	19.13		
15	16QAM	36	39	19.13	19.20	19.26	19.16	19.17	21	2
15	16QAM	75	0	19.09	19.10	19.18	19.19	19.21		
15	64QAM	1	0	19.00	19.02	19.04	19.01	19.07		
15	64QAM	1	37	19.08	19.06	19.21	19.14	19.03	21	2
15	64QAM	1	74	19.09	19.04	19.12	19.05	19.05		
15	64QAM	36	0	18.03	18.03	18.16	18.11	18.06		
15	64QAM	36	20	18.09	18.21	18.22	18.10	18.08	20	3
15	64QAM	36	39	18.07	18.09	18.16	18.09	18.04		
15	64QAM	75	0	18.03	18.04	18.13	18.08	18.04		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	21.27	21.12	21.24	21.05	21.28		
10	QPSK	1	25	21.16	21.14	21.24	21.10	21.09		
10	QPSK	1	49	21.14	21.08	21.13	21.13	21.03		
10	QPSK	25	0	20.11	20.17	20.30	20.16	20.17	22	1
10	QPSK	25	12	20.12	20.20	20.29	20.24	20.09		
10	QPSK	25	25	20.15	20.10	20.14	20.15	20.17		
10	QPSK	50	0	20.11	20.15	20.29	20.15	20.10	22	1
10	16QAM	1	0	20.09	20.08	20.18	20.07	20.10		
10	16QAM	1	25	20.25	20.28	20.28	20.16	20.10		
10	16QAM	1	49	20.16	20.11	20.18	20.14	20.20	21	2
10	16QAM	25	0	19.06	19.01	19.13	19.07	19.04		
10	16QAM	25	12	19.12	19.04	19.18	19.13	19.08		
10	16QAM	25	25	19.09	19.22	19.20	19.23	19.21	21	2
10	16QAM	50	0	19.09	19.07	19.21	19.18	19.10		
10	64QAM	1	0	19.03	19.05	19.05	19.02	19.07		
10	64QAM	1	25	19.10	19.07	19.17	19.06	19.06	21	2
10	64QAM	1	49	19.02	19.03	19.09	19.05	19.06		
10	64QAM	25	0	18.12	18.03	18.15	18.08	18.10		
10	64QAM	25	12	18.14	18.20	18.15	18.05	18.01	20	3
10	64QAM	25	25	18.08	18.11	18.14	18.12	18.01		
10	64QAM	50	0	18.06	18.15	18.17	18.05	18.06		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	21.19	21.10	21.29	21.05	21.17		
5	QPSK	1	12	21.21	21.19	21.20	21.14	21.15		
5	QPSK	1	24	21.12	21.18	21.22	21.10	21.05		
5	QPSK	12	0	20.17	20.15	20.24	20.10	20.12	22	1
5	QPSK	12	7	20.04	20.23	20.26	20.14	20.17		
5	QPSK	12	13	20.10	20.08	20.18	20.11	20.20		
5	QPSK	25	0	20.13	20.16	20.28	20.17	20.08	22	1
5	16QAM	1	0	20.06	20.11	20.21	20.09	20.14		
5	16QAM	1	12	20.22	20.24	20.32	20.25	20.16		
5	16QAM	1	24	20.06	20.10	20.24	20.11	20.17	21	2
5	16QAM	12	0	19.11	19.05	19.10	19.08	19.04		
5	16QAM	12	7	19.14	19.08	19.23	19.15	19.11		
5	16QAM	12	13	19.20	19.21	19.23	19.16	19.22	21	2
5	16QAM	25	0	19.11	19.09	19.18	19.16	19.18		
5	64QAM	1	0	19.03	19.05	19.12	19.06	19.02		
5	64QAM	1	12	19.09	19.02	19.21	19.13	19.08	21	2
5	64QAM	1	24	19.01	19.05	19.09	19.05	19.06		
5	64QAM	12	0	18.08	18.01	18.15	18.10	18.02		
5	64QAM	12	7	18.16	18.14	18.17	18.07	18.10	20	3
5	64QAM	12	13	18.07	18.10	18.14	18.12	18.01		
5	64QAM	25	0	18.01	18.05	18.10	18.05	18.07		

GSM850 Ant4 Default/DS12

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.95	32.81	32.61	33.50	23.95	23.81	23.61	24.50
GPRS 1 Tx slot	32.92	32.74	32.64	33.50	23.92	23.74	23.64	24.50
GPRS 2 Tx slots	30.43	30.47	30.45	31.00	24.43	24.47	24.45	25.00
GPRS 3 Tx slots	29.44	29.46	29.40	29.50	25.18	25.20	25.14	25.24
GPRS 4 Tx slots	27.16	27.18	27.15	28.00	24.16	24.18	24.15	25.00
EDGE 1 Tx slot	28.28	28.27	28.07	28.50	19.28	19.27	19.07	19.50
EDGE 2 Tx slots	25.47	25.29	25.30	25.50	19.47	19.26	19.30	19.50
EDGE 3 Tx slots	23.08	23.17	23.05	24.00	18.82	18.91	18.79	19.74
EDGE 4 Tx slots	21.78	21.83	21.82	22.50	18.78	18.83	18.82	19.50

GSM1900 Ant4 Default/DS12

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.71	29.66	29.50	30.50	20.71	20.66	20.50	21.50
GPRS 1 Tx slot	28.74	29.58	29.77	30.50	20.74	20.58	20.77	21.50
GPRS 2 Tx slots	25.99	25.93	25.93	27.50	19.99	19.93	19.93	21.50
GPRS 3 Tx slots	24.51	24.56	24.51	26.00	20.25	20.30	20.25	21.74
GPRS 4 Tx slots	23.37	23.49	23.45	24.50	20.37	20.49	20.45	21.50
EDGE 1 Tx slot	26.44	26.49	26.43	27.50	17.44	17.49	17.43	18.50
EDGE 2 Tx slots	23.65	23.56	23.52	24.50	17.65	17.56	17.52	18.50
EDGE 3 Tx slots	22.03	22.15	22.15	23.00	17.77	17.89	17.89	18.74
EDGE 4 Tx slots	20.89	20.84	20.82	21.50	17.89	17.84	17.82	18.50

WCDMA II Ant4 Default/DS12

WCDMA IV Ant4 Default/DS12

WCDMA V Ant4 Default/DS12

Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1513		4132	4182	4233		
TX Channel	9662	9800	9938		1537	1638	1738		4357	4407	4458		
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	24.13	24.04	24.20	25.00	23.99	24.02	23.98	25.00	25.04	25.21	25.06	25.50
3GPP Rel 99	RMC 12.2Kbps	24.04	24.27	24.10	25.00	24.06	24.07	24.04	25.00	25.27	25.35	25.32	25.50
3GPP Rel 6	HSDPA Subtest-1	23.19	23.06	22.96	24.00	23.06	22.96	22.75	24.00	24.18	24.29	24.12	24.50
3GPP Rel 6	HSDPA Subtest-2	22.98	22.95	23.07	24.00	22.97	22.94	22.88	24.00	24.18	24.17	24.28	24.50
3GPP Rel 6	HSDPA Subtest-3	22.80	22.53	22.73	23.50	22.56	22.38	22.37	23.50	23.88	23.69	23.82	24.00
3GPP Rel 6	HSDPA Subtest-4	22.77	22.89	22.70	23.50	22.37	22.39	22.32	23.50	23.66	23.50	23.63	24.00
3GPP Rel 8	DC-HSDPA Subtest-1	22.98	23.09	23.18	24.00	23.20	23.16	23.16	24.00	24.19	24.26	24.22	24.50
3GPP Rel 8	DC-HSDPA Subtest-2	22.92	23.15	23.28	24.00	22.91	22.94	23.03	24.00	24.16	24.03	24.23	24.50
3GPP Rel 8	DC-HSDPA Subtest-3	22.68	22.79	22.68	23.50	22.52	22.43	22.34	23.50	23.58	23.78	23.73	24.00
3GPP Rel 8	DC-HSDPA Subtest-4	22.61	22.90	22.79	23.50	22.34	22.38	22.42	23.50	23.65	23.55	23.80	24.00
3GPP Rel 6	HSUPA Subtest-1	23.09	23.25	23.00	24.00	23.01	22.74	22.72	24.00	24.27	24.24	24.23	24.50
3GPP Rel 6	HSUPA Subtest-2	21.13	21.23	21.39	22.00	20.99	20.96	20.97	22.00	22.10	22.08	22.18	22.50
3GPP Rel 6	HSUPA Subtest-3	22.07	22.31	22.00	23.00	21.92	21.90	21.81	23.00	23.29	23.25	23.24	23.50
3GPP Rel 6	HSUPA Subtest-4	21.22	21.29	21.26	22.00	21.09	20.99	20.87	22.00	22.36	22.35	22.23	22.50
3GPP Rel 6	HSUPA Subtest-5	23.08	23.33	23.06	24.00	22.84	23.14	23.06	24.00	23.98	24.23	24.32	24.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.50	20.67	20.67	21.50	20.34	20.44	20.46	21.50	21.67	21.74	21.76	22.00



Band 17 Ant4 Default/DSI2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dbm)	MPPR (db)	
Channel									
Frequency (MHz)									
				23760	23790	23800			
10	QPSK	1	0	25.19	25.26	25.13	25.5	0	
10	QPSK	1	25	25.20	25.22	25.15			
10	QPSK	1	49	25.12	25.03	25.05			
10	QPSK	25	0	24.20	24.34	24.12	24.5	1	
10	QPSK	25	12	24.15	24.21	24.23			
10	QPSK	25	25	24.23	24.24	24.23			
10	QPSK	50	0	24.15	24.27	24.24	24.5	1	
10	16QAM	1	0	24.38	24.34	24.24			
10	16QAM	1	25	24.37	24.32	24.39			
10	16QAM	1	49	24.40	24.42	24.37	23.5	2	
10	16QAM	25	0	23.29	23.13	23.31			
10	16QAM	25	12	23.25	23.09	23.25			
10	16QAM	25	25	23.25	23.26	23.10	23.5	2	
10	16QAM	50	0	23.26	23.28	23.17			
10	64QAM	1	0	23.23	23.30	23.24			
10	64QAM	1	25	23.47	23.40	23.40	23.5	2	
10	64QAM	1	49	23.27	23.27	23.40			
10	64QAM	25	0	22.17	22.21	22.12			
10	64QAM	25	12	22.25	22.33	22.29	22.5	3	
10	64QAM	25	25	22.11	22.19	22.10			
10	64QAM	50	0	22.07	22.15	22.14			
Channel									
Frequency (MHz)									
				23765	23790	23825	Tune-up limit (dbm)	MPPR (db)	
				706.5	710	713.5			
5	QPSK	1	0	24.99	25.13	25.00	25.5	0	
5	QPSK	1	12	25.14	25.18	25.03			
5	QPSK	1	24	24.93	24.86	25.05			
5	QPSK	12	0	24.08	24.01	24.04	24.5	1	
5	QPSK	12	7	24.02	24.36	24.07			
5	QPSK	12	13	24.02	24.03	24.07			
5	QPSK	25	0	24.07	23.96	24.07	24.5	1	
5	16QAM	1	0	24.49	24.37	24.28			
5	16QAM	1	12	24.35	24.34	24.38			
5	16QAM	1	24	24.35	24.27	24.24	23.5	2	
5	16QAM	12	0	23.31	22.99	23.10			
5	16QAM	12	7	23.09	22.89	23.22			
5	16QAM	12	13	23.17	23.24	23.04	23.5	2	
5	16QAM	25	0	23.15	23.10	22.96			
5	64QAM	1	0	23.08	23.19	23.19			
5	64QAM	1	12	23.28	23.31	23.21	23.5	2	
5	64QAM	1	24	23.23	23.21	23.27			
5	64QAM	12	0	22.18	22.13	22.12			
5	64QAM	12	7	22.16	22.34	22.12	22.5	3	
5	64QAM	12	13	21.96	22.20	22.04			
5	64QAM	25	0	22.07	22.02	22.00			

Band 26 Ant4 Default/DSI2												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dbm)	MPR (db)				
Channel												
Frequency (MHz)												
821.5 831.5 841.5												
15	QPSK	1	0	25.23	25.34	25.11	25.5	0				
15	QPSK	1	37	25.19	25.29	25.20						
15	QPSK	1	74	25.11	25.18	25.08						
15	QPSK	36	0	24.32	24.39	24.16	24.5	1				
15	QPSK	36	20	24.36	24.25	24.30						
15	QPSK	36	39	24.37	24.21	24.13						
15	QPSK	75	0	24.19	24.28	24.18	24.5	1				
15	16QAM	1	0	24.35	24.25	24.32						
15	16QAM	1	37	24.10	24.21	24.22						
15	16QAM	1	74	24.30	24.31	24.08	23.5	2				
15	16QAM	36	0	23.32	23.30	23.31						
15	16QAM	36	20	23.46	23.26	23.39						
15	16QAM	36	39	23.29	23.24	23.30	23.5	2				
15	16QAM	75	0	23.30	23.40	23.26						
15	64QAM	1	0	23.28	23.37	23.14						
15	64QAM	1	37	23.01	23.24	23.18	23.5	2				
15	64QAM	1	74	23.20	23.29	23.09						
15	64QAM	36	0	22.30	22.29	22.14						
15	64QAM	36	20	22.24	22.19	22.25	22.5	3				
15	64QAM	36	39	22.36	22.30	22.13						
15	64QAM	75	0	22.00	22.26	22.14						
Channel												
26760 26865 26960												
819 831.5 844												
10	QPSK	1	0	25.09	25.22	25.07	25.5	0				
10	QPSK	1	25	25.08	25.17	25.00						
10	QPSK	1	49	25.01	25.01	25.06						
10	QPSK	25	0	24.23	24.18	24.12	24.5	1				
10	QPSK	25	12	24.33	24.07	24.27						
10	QPSK	25	25	24.21	24.15	24.08						
10	QPSK	50	0	24.09	24.23	24.13	24.5	1				
10	16QAM	1	0	24.28	24.34	24.30						
10	16QAM	1	25	24.05	24.02	24.19						
10	16QAM	1	49	24.24	24.25	23.96	23.5	2				
10	16QAM	25	0	23.28	23.30	23.25						
10	16QAM	25	12	23.41	23.12	23.39						
10	16QAM	25	25	23.18	23.17	23.20	23.5	2				
10	16QAM	50	0	23.26	23.26	23.20						
10	64QAM	1	0	23.14	23.22	23.00						
10	64QAM	1	25	22.80	23.05	23.11	22.5	3				
10	64QAM	1	49	23.17	23.18	22.97						
10	64QAM	25	0	22.21	22.22	22.13						
10	64QAM	25	12	22.09	22.04	22.10	22.5	3				
10	64QAM	25	25	22.15	22.09	21.91						
10	64QAM	50	0	21.93	22.20	21.93						
Channel												
26715 26865 27015												
816.5 831.5 846.5												
5	QPSK	1	0	25.19	25.31	24.93	25.5	0				
5	QPSK	1	12	25.10	25.10	25.01						
5	QPSK	1	24	24.93	25.20	24.87						
5	QPSK	12	0	24.13	24.29	23.95	24.5	1				
5	QPSK	12	7	24.33	24.26	24.22						
5	QPSK	12	13	24.27	24.07	24.07						
5	QPSK	25	0	23.98	24.06	24.01	24.5	1				
5	16QAM	1	0	24.28	24.16	24.17						
5	16QAM	1	12	24.07	24.20	24.17						
5	16QAM	1	24	24.11	24.14	24.05	23.5	2				
5	16QAM	12	0	23.20	23.31	23.12						
5	16QAM	12	7	23.44	23.26	23.34						
5	16QAM	12	13	23.21	23.09	23.29	23.5	2				
5	16QAM	25	0	23.17	23.33	23.22						
5	64QAM	1	0	23.10	23.16	23.06						
5	64QAM	1	12	22.92	23.19	22.98	23.5	2				
5	64QAM	1	24	23.11	23.36	22.94						
5	64QAM	12	0	22.13	22.15	21.94						
5	64QAM	12	7	22.21	21.97	22.24	22.5	3				
5	64QAM	12	13	22.21	22.31	22.15						
5	64QAM	25	0	21.98	22.06	21.99						
Channel												
26705 26865 27025												
815.5 831.5 847.5												
3	QPSK	1	0	25.23	25.22	24.90	25.5	0				
3	QPSK	1	8	25.07	25.23	25.12						
3	QPSK	1	14	25.06	25.16	25.01						
3	QPSK	8	4	24.37	24.05	24.35	24.5	1				
3	QPSK	8	7	24.26	24.05	23.91						
3	QPSK	15	0	24.15	24.24	24.15						
3	16QAM	1	0	24.31	24.07	24.32	24.5	1				
3	16QAM	1	7	24.07	24.22	24.23						
3	16QAM	1	14	24.25	24.18	24.05						
3	16QAM	8	0	23.34	23.30	23.11	23.5	2				
3	16QAM	8	4	23.47	23.10	23.21						
3	16QAM	8	7	23.21	23.04	23.12						
3	16QAM	15	0	23.15	23.21	23.22	23.5	2				
3	64QAM	1	0	23.13	23.30	22.91						
3	64QAM	8	0	22.15	22.30	22.08						
3	64QAM	8	4	22.23	22.19	22.04	22.5	3				
3	64QAM	8	7	22.17	22.27	21.82						
3	64QAM	15	0	21.90	22.23	21.98						
Channel												
26897 26865 27033												
814.7 831.5 848.3												
1.4	QPSK	1	0	25.09	25.17	25.07	25.5	0				
1.4	QPSK	1	5	25.11	24.97	24.90						
1.4	QPSK	1	5	25.03	25.23	24.98						
1.4	QPSK	1	1	24.92	25.16	24.95	24.5	1				
1.4	QPSK	3	1	24.81	25.01	24.93						
1.4	QPSK	6	0	24.23	24.26	23.96						
1.4	16QAM	1	0	24.26	24.06	24.34	24.5	1				
1.4	16QAM	1	3	24.30	24.03	23.98						
1.4	16QAM	1	5	24.19	24.08	24.14						
1.4	16QAM	1	3	24.24	24.16	24.20	23.5	2				
1.4	16QAM	3	1	24.04	24.20	24.14						
1.4	16QAM	3	3	24.21	24.32	24.07						
1.4	16QAM	6	0	23.34	23.31	23.19	23.5	2				
1.4	64QAM	1	0	23.38	23.19	23.26						
1.4	64QAM	1	3	23.10	23.23	23.31						
1.4	64QAM	1	5	23.15	23.41	23.31	23.5	2				
1.4	64QAM	1	3	23.25	23.23	23.28						
1.4	64QAM	3	1	23.03	23.17	23.13						
1.4	64QAM	3	3	23.01	23.12	22.94	22.5	3				
1.4	64QAM	6	0	22.30	22.18	21.94						

Band 38 Ant4 Default/DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	25.5	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	24.49	24.50	24.42			
20	QPSK	1	49	24.39	24.45	24.42	24.5	1	
20	QPSK	1	99	24.26	24.31	24.22			
20	QPSK	50	0	23.45	23.50	23.47			
20	QPSK	50	24	23.30	23.29	23.25	24.5	1	
20	QPSK	50	50	23.29	23.33	23.30			
20	QPSK	100	0	23.23	23.26	23.21			
20	16QAM	1	0	23.37	23.37	23.32	24.5	1	
20	16QAM	1	49	23.22	23.26	23.16			
20	16QAM	1	99	23.21	23.31	23.25			
20	16QAM	50	0	22.44	22.44	22.39	23.5	2	
20	16QAM	50	24	22.32	22.34	22.27			
20	16QAM	50	50	22.22	22.28	22.20			
20	16QAM	100	0	22.39	22.39	22.31	23.5	2	
20	64QAM	1	0	22.33	22.32	22.28			
20	64QAM	1	49	22.40	22.45	22.35			
20	64QAM	1	99	22.36	22.39	22.32	22.5	3	
20	64QAM	50	0	21.40	21.47	21.45			
20	64QAM	50	24	21.46	21.50	21.42			
20	64QAM	50	50	21.28	21.31	21.24	22.5	3	
20	64QAM	100	0	21.44	21.53	21.51			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5	25.5	0	
15	QPSK	1	0	24.43	24.39	24.38			
15	QPSK	1	37	24.33	24.30	24.35	24.5	1	
15	QPSK	1	74	24.22	24.26	24.11			
15	QPSK	36	0	23.30	23.44	23.33	24.5	1	
15	QPSK	36	20	23.23	23.23	23.15			
15	QPSK	36	39	23.14	23.26	23.15			
15	QPSK	75	0	23.19	23.18	23.18	24.5	1	
15	16QAM	1	0	23.24	23.23	23.21			
15	16QAM	1	37	23.08	23.18	23.04			
15	16QAM	1	74	23.08	23.21	23.19	23.5	2	
15	16QAM	36	0	22.39	22.40	22.35			
15	16QAM	36	20	22.24	22.28	22.20			
15	16QAM	36	39	22.17	22.15	22.14	23.5	2	
15	16QAM	75	0	22.35	22.25	22.18			
15	64QAM	1	0	22.22	22.28	22.19			
15	64QAM	1	37	22.30	22.34	22.24	22.5	3	
15	64QAM	1	74	22.27	22.25	22.25			
15	64QAM	36	0	21.32	21.34	21.42			
15	64QAM	36	20	21.39	21.45	21.36	22.5	3	
15	64QAM	36	39	21.16	21.22	21.16			
15	64QAM	75	0	21.31	21.38	21.40			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615	25.5	0	
10	QPSK	1	0	24.42	24.41	24.35			
10	QPSK	1	25	24.32	24.37	24.30	24.5	1	
10	QPSK	1	49	24.13	24.21	24.17			
10	QPSK	25	0	23.36	23.42	23.41	24.5	1	
10	QPSK	25	12	23.15	23.18	23.11			
10	QPSK	25	25	23.19	23.24	23.27			
10	QPSK	50	0	23.18	23.22	23.08	24.5	1	
10	16QAM	1	0	23.26	23.29	23.28			
10	16QAM	1	25	23.08	23.23	23.07			
10	16QAM	1	49	23.10	23.25	23.14	23.5	2	
10	16QAM	25	0	22.39	22.40	22.25			
10	16QAM	25	12	22.21	22.24	22.14			
10	16QAM	25	25	22.13	22.21	22.10	23.5	2	
10	16QAM	50	0	22.31	22.28	22.21			
10	64QAM	1	0	22.27	22.27	22.23			
10	64QAM	1	25	22.25	22.41	22.27	22.5	3	
10	64QAM	1	49	22.28	22.25	22.23			
10	64QAM	25	0	21.28	21.42	21.42			
10	64QAM	25	12	21.36	21.45	21.29	22.5	3	
10	64QAM	25	25	21.17	21.17	21.14			
10	64QAM	50	0	21.40	21.50	21.38			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5	25.5	0	
5	QPSK	1	0	24.40	24.39	24.36			
5	QPSK	1	12	24.35	24.32	24.27	24.5	1	
5	QPSK	1	24	24.19	24.27	24.09			
5	QPSK	12	0	23.41	23.40	23.38	24.5	1	
5	QPSK	12	7	23.26	23.18	23.21			
5	QPSK	12	13	23.14	23.30	23.25			
5	QPSK	25	0	23.17	23.15	23.10	24.5	1	
5	16QAM	1	0	23.31	23.32	23.22			
5	16QAM	1	12	23.17	23.23	23.02			
5	16QAM	1	24	23.17	23.25	23.19	23.5	2	
5	16QAM	12	0	22.35	22.39	22.30			
5	16QAM	12	7	22.18	22.27	22.21			
5	16QAM	12	13	22.09	22.23	22.16	23.5	2	
5	16QAM	25	0	22.30	22.30	22.19			
5	64QAM	1	0	22.24	22.22	22.17			
5	64QAM	1	12	22.29	22.40	22.26	22.5	3	
5	64QAM	1	24	22.29	22.34	22.21			
5	64QAM	12	0	21.35	21.40	21.40			
5	64QAM	12	7	21.42	21.41	21.37	22.5	3	
5	64QAM	12	13	21.23	21.26	21.19			
5	64QAM	25	0	21.32	21.46	21.37			

Band 41 Ant4 Default/DSI2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	25.5	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	24.47	24.40	24.55	24.53	24.46		
20	QPSK	1	49	24.25	24.36	24.47	24.36	24.45	24.5	1
20	QPSK	1	99	24.27	24.39	24.30	24.22	24.26		
20	QPSK	50	0	23.51	23.44	23.59	23.56	23.51		
20	QPSK	50	24	23.27	23.39	23.38	23.45	23.37	24.5	1
20	QPSK	50	50	23.35	23.44	23.44	23.42	23.55		
20	QPSK	100	0	23.46	23.40	23.49	23.47	23.45		
20	16QAM	1	0	23.31	23.30	23.32	23.49	23.46	24.5	1
20	16QAM	1	49	23.41	23.38	23.51	23.33	23.32		
20	16QAM	1	99	23.43	23.35	23.47	23.32	23.33		
20	16QAM	50	0	22.18	22.38	22.30	22.26	22.20	23.5	2
20	16QAM	50	24	22.27	22.34	22.31	22.17	22.19		
20	16QAM	50	50	22.16	22.35	22.38	22.07	22.06		
20	16QAM	100	0	21.95	22.15	22.28	22.08	22.02	23.5	2
20	64QAM	1	0	22.33	22.37	22.37	22.13	22.15		
20	64QAM	1	49	22.44	22.37	22.37	22.42	22.34		
20	64QAM	1	99	22.13	22.24	22.40	22.22	22.12	22.5	3
20	64QAM	50	0	21.75	21.67	21.67	21.78	21.64		
20	64QAM	50	24	21.54	21.60	21.48	21.45	21.39		
20	64QAM	50	50	21.40	21.46	21.48	21.50	21.39	22.5	3
20	64QAM	100	0	21.44	21.58	21.55	21.52	21.44		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	25.50	0
15	QPSK	1	0	24.36	24.26	24.39	24.50	24.47		
15	QPSK	1	37	24.14	24.32	24.28	24.38	24.28		
15	QPSK	1	74	24.14	24.22	24.17	24.06	24.20	24.5	1
15	QPSK	36	0	23.02	23.43	23.41	23.33	23.23		
15	QPSK	36	20	23.02	23.19	23.20	23.15	23.05		
15	QPSK	36	39	23.17	23.28	23.38	23.14	23.26	24.5	1
15	QPSK	75	0	23.03	23.34	23.35	23.36	23.41		
15	16QAM	1	0	23.23	23.31	23.29	23.49	23.47		
15	16QAM	1	37	23.36	23.16	23.42	23.23	23.24	24.5	1
15	16QAM	1	74	23.25	23.13	23.32	23.15	23.13		
15	16QAM	36	0	22.18	22.23	22.13	22.12	21.99		
15	16QAM	36	20	22.12	22.27	22.32	22.13	22.09	23.5	2
15	16QAM	36	39	22.12	22.35	22.36	21.97	21.91		
15	16QAM	75	0	22.16	22.04	22.14	21.94	22.02		
15	64QAM	1	0	22.21	22.36	22.38	22.11	22.16	23.5	2
15	64QAM	1	37	22.30	22.16	22.16	22.22	22.17		
15	64QAM	1	74	22.12	22.24	22.31	22.14	22.04		
15	64QAM	36	0	21.68	21.53	21.62	21.65	21.55	22.5	3
15	64QAM	36	20	21.50	21.48	21.47	21.33	21.40		
15	64QAM	36	39	21.34	21.32	21.44	21.44	21.21		
15	64QAM	75	0	21.38	21.41	21.38	21.36	21.32		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685	25.50	0
10	QPSK	1	0	24.41	24.35	24.54	24.50	24.46		
10	QPSK	1	25	24.14	24.36	24.37	24.16	24.46		
10	QPSK	1	49	24.06	24.34	24.09	24.16	24.05	24.5	1
10	QPSK	25	0	23.50	23.26	23.50	23.48	23.39		
10	QPSK	25	12	23.22	23.27	23.24	23.36	23.20		
10	QPSK	25	25	23.34	23.32	23.31	23.31	23.37	24.5	1
10	QPSK	50	0	23.46	23.26	23.31	23.46	23.42		
10	16QAM	1	0	23.15	23.08	23.11	23.45	23.45		
10	16QAM	1	25	23.21	23.24	23.45	23.16	23.25	24.5	1
10	16QAM	1	49	23.35	23.14	23.35	23.13	23.18		
10	16QAM	25	0	22.19	22.32	22.12	22.11	22.10		
10	16QAM	25	12	22.09	22.23	22.21	22.08	22.15	23.5	2
10	16QAM	25	25	22.03	22.19	22.18	22.01	21.99		
10	16QAM	50	0	22.13	22.03	22.16	22.17	21.92		
10	64QAM	1	0	22.21	22.28	22.39	21.97	22.02	23.5	2
10	64QAM	1	25	22.42	22.22	22.29	22.35	22.28		
10	64QAM	1	49	21.97	22.07	22.30	22.22	22.03		
10	64QAM	25	0	21.72	21.48	21.64	21.71	21.55	22.5	3
10	64QAM	25	12	21.34	21.43	21.26	21.25	21.29		
10	64QAM	25	25	21.29	21.29	21.29	21.35	21.26		
10	64QAM	50	0	21.44	21.60	21.46	21.37	21.31		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	25.50	0
5	QPSK	1	0	24.38	24.37	24.46	24.48	24.29		
5	QPSK	1	12	24.17	24.20	24.37	24.37	24.44		
5	QPSK	1	24	24.14	24.33	24.32	24.18	24.10	24.5	1
5	QPSK	12	0	23.47	23.45	23.53	23.49	23.48		
5	QPSK	12	7	23.28	23.24	23.31	23.32	23.18		
5	QPSK	12	13	23.28	23.38	23.46	23.28	23.42	24.5	1
5	QPSK	25	0	23.27	23.32	23.33	23.30	23.27		
5	16QAM	1	0	23.24	23.24	23.10	23.29	23.43		
5	16QAM	1	12	23.34	23.19	23.40	23.16	23.14	24.5	1
5	16QAM	1	24	23.43	23.36	23.29	23.22	23.33		
5	16QAM	12	0	21.97	22.31	22.09	22.11	22.04		
5	16QAM	12	7	22.11	22.16	22.12	22.14	22.08	23.5	2
5	16QAM	12	13	21.99	22.23	22.35	22.01	22.15		
5	16QAM	25	0	22.14	21.99	22.20	21.99	22.00		
5	64QAM	1	0	22.23	22.37	22.27	22.01	21.94	23.5	2
5	64QAM	1	12	22.37	22.23	22.34	22.28	22.16		
5	64QAM	1	24	22.10	22.15	22.30	22.13	22.00		
5	64QAM	12	0	21.72	21.50	21.52	21.66	21.61	22.5	3
5	64QAM	12	7	21.41	21.49	21.49	21.39	21.31		
5	64QAM	12	13	21.39	21.26	21.36	21.48	21.30		
5	64QAM	25	0	21.46	21.47	21.39	21.33	21.31		

GSM850 Ant1 Default/DS13

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.64	32.54	32.47	33.50	23.64	23.54	23.47	24.50
GPRS 1 Tx slot	32.54	32.46	32.35	33.50	23.54	23.46	23.35	24.50
GPRS 2 Tx slots	29.49	29.37	29.43	31.00	23.49	23.37	23.43	25.00
GPRS 3 Tx slots	27.70	27.72	27.64	29.50	23.44	23.46	23.38	25.24
GPRS 4 Tx slots	26.31	26.28	26.27	28.00	23.31	23.28	23.27	25.00
EDGE 1 Tx slot	26.98	27.08	27.19	28.50	17.98	18.08	18.19	19.50
EDGE 2 Tx slots	23.96	24.05	24.04	25.50	17.96	18.05	18.04	19.50
EDGE 3 Tx slots	22.27	22.21	22.25	24.00	15.01	17.95	17.99	19.74
EDGE 4 Tx slots	20.75	20.69	20.74	22.50	17.75	17.69	17.74	19.50

GSM1900 Ant1 DS13

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	27.03	27.03	26.94	28.00	18.03	18.03	17.94	19.00
GPRS 1 Tx slot	26.91	26.76	26.77	28.00	17.91	17.76	17.77	19.00
GPRS 2 Tx slots	23.06	23.10	23.12	25.00	17.06	17.10	17.12	19.00
GPRS 3 Tx slots	21.51	21.75	21.66	23.50	17.25	17.49	17.40	19.24
GPRS 4 Tx slots	20.21	20.37	20.22	22.00	17.21	17.37	17.22	19.00
EDGE 1 Tx slot	23.82	23.63	23.80	25.00	14.82	14.63	14.80	16.00
EDGE 2 Tx slots	20.53	20.76	20.56	22.00	14.53	14.76	14.56	16.00
EDGE 3 Tx slots	19.48	19.42	19.27	20.50	15.22	15.16	15.01	16.24
EDGE 4 Tx slots	18.32	18.18	18.22	19.00	15.32	15.18	15.22	16.00

WCDMA II Ant1 DS13

WCDMA IV Ant1 DS13

WCDMA V Ant1 DS13

Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1513		4132	4182	4233		
TX Channel	9662	9800	9938		1537	1638	1738		4357	4407	4458		
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	20.15	20.22	20.14	21.00	19.93	20.05	20.06	21.00	23.32	23.42	23.40	24.50
3GPP Rel 99	RMC 12.2kbps	20.18	20.26	20.10	21.00	19.95	20.09	20.01	21.00	23.38	23.46	23.44	24.50
3GPP Rel 6	HSDPA Subtest-1	19.31	19.31	19.09	20.00	19.09	18.90	18.95	20.00	22.44	22.42	22.30	23.50
3GPP Rel 6	HSDPA Subtest-2	18.94	19.16	19.17	20.00	18.95	19.07	18.86	20.00	22.54	22.48	22.34	23.50
3GPP Rel 6	HSDPA Subtest-3	18.40	18.33	18.63	19.50	18.52	18.48	18.39	19.50	21.95	21.87	21.82	23.00
3GPP Rel 6	HSDPA Subtest-4	18.68	18.76	18.65	19.50	18.28	18.49	18.22	19.50	21.87	21.97	21.73	23.00
3GPP Rel 8	DC-HSDPA Subtest-1	19.33	19.22	19.18	20.00	19.14	19.03	18.99	20.00	22.25	22.40	22.20	23.50
3GPP Rel 8	DC-HSDPA Subtest-2	18.99	19.29	19.15	20.00	18.75	19.00	18.82	20.00	22.26	22.41	22.06	23.50
3GPP Rel 8	DC-HSDPA Subtest-3	18.33	18.31	18.63	19.50	18.67	18.59	18.45	19.50	21.77	21.75	21.78	23.00
3GPP Rel 8	DC-HSDPA Subtest-4	18.64	18.87	18.53	19.50	18.31	18.55	18.31	19.50	21.82	21.86	21.75	23.00
3GPP Rel 6	HSUPA Subtest-1	19.32	19.32	19.07	20.00	18.74	18.94	19.04	20.00	22.45	22.41	22.30	23.50
3GPP Rel 6	HSUPA Subtest-2	17.60	17.29	17.35	18.00	17.11	16.95	16.97	18.00	20.38	20.41	20.24	21.50
3GPP Rel 6	HSUPA Subtest-3	18.20	18.22	18.16	19.00	17.96	18.17	17.77	19.00	21.36	21.24	21.19	22.50
3GPP Rel 6	HSUPA Subtest-4	17.31	17.09	17.32	18.00	16.76	17.00	16.72	18.00	20.31	20.33	20.30	21.50
3GPP Rel 6	HSUPA Subtest-5	19.19	19.19	19.12	20.00	18.94	19.12	19.19	20.00	22.37	22.25	22.34	23.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	16.79	16.90	16.59	17.50	16.35	16.47	16.28	17.50	19.97	19.83	19.83	21.00

Band 2 Ant2 Default/DSI3														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dbm)	MPR (db)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	21.06	21.15	21.14			23	0				
20	QPSK	1	49	21.07	21.03	21.06								
20	QPSK	1	99	21.08	21.10	21.08								
20	QPSK	50	0	20.29	20.31	20.27			22	1				
20	QPSK	50	24	20.10	20.15	20.21								
20	QPSK	50	50	20.11	20.16	20.15								
20	QPSK	100	0	20.24	20.29	20.25			22	1				
20	16QAM	1	0	20.26	20.22	20.20								
20	16QAM	1	49	20.17	20.19	20.26								
20	16QAM	1	99	20.15	20.17	20.15			21	2				
20	16QAM	50	0	19.29	19.30	19.24								
20	16QAM	50	24	19.25	19.21	19.24								
20	16QAM	50	50	19.25	19.24	19.19			21	2				
20	16QAM	100	0	19.36	19.29	19.24								
20	64QAM	1	0	19.12	19.18	19.14								
20	64QAM	1	49	19.15	19.11	19.15			21	2				
20	64QAM	1	99	19.08	19.15	19.13								
20	64QAM	50	0	18.30	18.27	18.26								
20	64QAM	50	24	18.25	18.19	18.17			20	3				
20	64QAM	50	50	18.20	18.21	18.23								
20	64QAM	100	0	18.24	18.22	18.23								
Channel														
Frequency (MHz)														
15	QPSK	1	0	18.75	18.80	19.15			Tune-up limit (dbm)	MPR (db)				
15	QPSK	1	0	21.00	21.08	21.07								
15	QPSK	1	37	21.06	21.04	21.00					23	0		
15	QPSK	1	74	21.02	21.02	21.01								
15	QPSK	36	0	20.23	20.20	20.27								
15	QPSK	36	20	20.03	20.07	20.15			22	1				
15	QPSK	36	39	20.04	20.09	20.10								
15	QPSK	75	0	20.22	20.22	20.23								
15	16QAM	1	0	20.19	20.13	20.13			22	1				
15	16QAM	1	37	20.09	20.11	20.21								
15	16QAM	1	74	20.06	20.12	20.07								
15	16QAM	36	0	19.22	19.24	19.15			21	2				
15	16QAM	36	20	19.17	19.16	19.15								
15	16QAM	36	39	19.18	19.19	19.14								
15	16QAM	75	0	19.28	19.21	19.16			21	2				
15	64QAM	1	0	19.05	19.13	19.08								
15	64QAM	1	37	19.08	19.04	19.08								
15	64QAM	1	74	19.02	19.08	19.06			20	3				
15	64QAM	36	0	18.24	18.22	18.17								
15	64QAM	36	20	18.17	18.10	18.17								
15	64QAM	36	39	18.15	18.12	18.17								
15	64QAM	75	0	18.16	18.16	18.14								
Channel														
Frequency (MHz)														
10	QPSK	1	0	18.55	18.60	19.05			Tune-up limit (dbm)	MPR (db)				
10	QPSK	1	0	21.01	21.09	21.09								
10	QPSK	1	25	21.02	21.09	21.03					23	0		
10	QPSK	1	49	21.02	21.02	21.02								
10	QPSK	25	0	20.22	20.22	20.25								
10	QPSK	25	12	20.04	20.10	20.14			22	1				
10	QPSK	25	25	20.05	20.08	20.07								
10	QPSK	50	0	20.22	20.19	20.27								
10	16QAM	1	0	20.20	20.13	20.13			22	1				
10	16QAM	1	25	20.11	20.13	20.20								
10	16QAM	1	49	20.06	20.09	20.07								
10	16QAM	25	0	19.21	19.24	19.15			21	2				
10	16QAM	25	12	19.18	19.15	19.18								
10	16QAM	25	25	19.16	19.18	19.14								
10	16QAM	50	0	19.27	19.22	19.19			21	2				
10	64QAM	1	0	19.04	19.10	19.09								
10	64QAM	1	25	19.08	19.02	19.09								
10	64QAM	1	49	19.00	19.08	19.08			20	3				
10	64QAM	25	0	18.24	18.20	18.18								
10	64QAM	25	12	18.16	18.13	18.09								
10	64QAM	25	25	18.11	18.15	18.15								
10	64QAM	50	0	18.16	18.16	18.17								
Channel														
Frequency (MHz)														
5	QPSK	1	0	21.03	21.08	21.05			23	0				
5	QPSK	1	12	21.01	21.03	21.03								
5	QPSK	1	24	21.04	21.04	21.01								
5	QPSK	12	0	20.23	20.20	20.25			22	1				
5	QPSK	12	7	20.01	20.09	20.15								
5	QPSK	12	13	20.03	20.08	20.10								
5	QPSK	25	0	20.22	20.22	20.24			22	1				
5	16QAM	1	0	20.20	20.15	20.13								
5	16QAM	1	12	20.08	20.12	20.18								
5	16QAM	1	24	20.07	20.10	20.08			21	2				
5	16QAM	12	0	19.23	19.23	19.19								
5	16QAM	12	7	19.20	19.13	19.18								
5	16QAM	12	13	19.17	19.17	19.11			21	2				
5	16QAM	25	0	19.29	19.20	19.16								
5	64QAM	1	0	19.06	19.13	19.09								
5	64QAM	1	12	19.09	19.05	19.08			21	2				
5	64QAM	1	24	19.06	19.08	19.07								
5	64QAM	12	0	18.25	18.21	18.18								
5	64QAM	12	7	18.19	18.10	18.12			20	3				
5	64QAM	12	13	18.14	18.15	18.16								
5	64QAM	25	0	18.18	18.17	18.16								
Channel														
Frequency (MHz)														
3	QPSK	1	0	21.00	21.10	21.05			Tune-up limit (dbm)	MPR (db)				
3	QPSK	1	8	21.05	21.05	21.00								
3	QPSK	1	14	21.01	21.03	21.00					23	0		
3	QPSK	8	0	20.21	20.21	20.25								
3	QPSK	8	4	20.04	20.09	20.14								
3	QPSK	15	0	20.25	20.18	20.23			22	1				
3	16QAM	1	0	20.19	20.14	20.12								
3	16QAM	1	8	20.11	20.11	20.17								
3	16QAM	1	14	20.06	20.09	20.08			21	2				
3	16QAM	8	0	19.23	19.22	19.18								
3	16QAM	8	4	19.19	19.15	19.17			21	2				
3	16QAM	8	7	19.17	19.16	19.11								
3	16QAM	15	0	19.30	19.22	19.18								
3	64QAM	1	0	19.07	19.12	19.06			21	2				
3	64QAM	1	8	19.09	19.03	19.09								
3	64QAM	1	14	19.06	19.07	19.05								
3	64QAM	8	0	18.23	18.19	18.19			20	3				
3	64QAM	8	4	18.16	18.13	18.08								
3	64QAM	8	7	18.12	18.13	18.15								
3	64QAM	15	0	18.16	18.15	18.17								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	18.50	18.60	19.09.3			Tune-up limit (dbm)	MPR (db)				
1.4	QPSK	1	0	21.00	21.08	21.06								
1.4	QPSK	1	3	21.00	21.10	21.05					23	0		
1.4	QPSK	3	0	21.02	21.04	21.03								
1.4	QPSK	3	3	21.03	21.09	21.09								
1.4	QPSK	3	3	21.03	21.03	21.01			22	1				
1.4	QPSK	3	0	20.24	20.20	20.25								
1.4	16QAM	1	0	20.19	20.14	20.14								
1.4	16QAM	1	3	20.11	20.14	20.21			22	1				
1.4	16QAM	1	5	20.07	20.12	20.26								
1.4	16QAM	3	0	20.21	20.18	20.04								
1.4	16QAM	3	1	20.19	20.17	20.14			21	2				
1.4	16QAM	3	1	20.20	20.19	20.19								
1.4	16QAM	6	0	19.31	19.21	19.16								
1.4	64QAM	1	0	19.07	19.11	19.05			21	2				
1.4	64QAM	1	3	19.09	19.04	19.08								
1.4	64QAM	1	5	19.06	19.12	19.06								
1.4	64QAM	3	0	19.02	19.09	19.06			20	3				
1.4	64QAM	3	1	19.06	19.03	19.03								
1.4	64QAM	3	3	19.03	19.09	19.05								
1.4	64QAM	6	0	18.15	18.15	18.16								
1.4	64QAM	6	0	18.15	18.15	18.16								

Band 38 Ant2 Default/DSI3										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	21.18	21.33	21.20	23	0		
20	QPSK	1	49	21.10	21.21	21.13				
20	QPSK	1	99	21.13	21.24	21.15				
20	QPSK	50	0	20.32	20.38	20.35	22	1		
20	QPSK	50	24	20.18	20.26	20.19				
20	QPSK	50	50	20.21	20.27	20.19				
20	QPSK	100	0	20.15	20.24	20.14	22	1		
20	16QAM	1	0	20.22	20.27	20.16				
20	16QAM	1	49	20.31	20.38	20.28				
20	16QAM	1	99	20.18	20.29	20.19	21	2		
20	16QAM	50	0	19.18	19.25	19.11				
20	16QAM	50	24	19.08	19.23	19.12				
20	16QAM	50	50	19.12	19.27	19.15	21	2		
20	16QAM	100	0	19.06	19.21	19.10				
20	64QAM	1	0	19.08	19.14	19.05				
20	64QAM	1	49	19.11	19.22	19.19	21	2		
20	64QAM	1	99	19.08	19.16	19.07				
20	64QAM	50	0	18.26	18.37	18.32				
20	64QAM	50	24	18.34	18.38	18.25	20	3		
20	64QAM	50	50	18.23	18.36	18.22				
20	64QAM	100	0	18.27	18.34	18.22				
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	21.07	21.28	21.06	23	0		
15	QPSK	1	37	21.03	21.12	21.13				
15	QPSK	1	74	21.08	21.10	21.10				
15	QPSK	36	0	20.21	20.24	20.24	22	1		
15	QPSK	36	20	20.11	20.11	20.12				
15	QPSK	36	39	20.15	20.17	20.10				
15	QPSK	75	0	20.04	20.19	20.03	22	1		
15	16QAM	1	0	20.10	20.22	20.07				
15	16QAM	1	37	20.27	20.23	20.24				
15	16QAM	1	74	20.07	20.16	20.15	21	2		
15	16QAM	36	0	19.14	19.12	19.01				
15	16QAM	36	20	19.00	19.16	19.06				
15	16QAM	36	39	19.04	19.21	19.08	21	2		
15	16QAM	75	0	19.02	19.09	19.05				
15	64QAM	1	0	19.00	19.02	19.05				
15	64QAM	1	37	19.02	19.11	19.13	21	2		
15	64QAM	1	74	19.03	19.03	19.22				
15	64QAM	36	0	18.17	18.34	18.24				
15	64QAM	36	20	18.28	18.31	18.11	20	3		
15	64QAM	36	39	18.16	18.32	18.08				
15	64QAM	75	0	18.19	18.19	18.15				
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	21.15	21.22	21.11	23	0		
10	QPSK	1	25	21.04	21.08	21.00				
10	QPSK	1	49	21.02	21.10	21.10				
10	QPSK	25	0	20.23	20.32	20.25	22	1		
10	QPSK	25	12	20.12	20.22	20.06				
10	QPSK	25	25	20.18	20.15	20.06				
10	QPSK	50	0	20.05	20.21	20.01	22	1		
10	16QAM	1	0	20.18	20.19	20.13				
10	16QAM	1	25	20.20	20.28	20.17				
10	16QAM	1	49	20.13	20.14	20.06	21	2		
10	16QAM	25	0	19.12	19.12	19.01				
10	16QAM	25	12	19.11	19.20	19.07				
10	16QAM	25	25	19.03	19.23	19.04	21	2		
10	16QAM	50	0	19.03	19.12	19.02				
10	64QAM	1	0	19.05	19.01	19.05				
10	64QAM	1	25	19.03	19.09	19.12	21	2		
10	64QAM	1	49	19.04	19.05	19.11				
10	64QAM	25	0	18.11	18.23	18.23				
10	64QAM	25	12	18.29	18.31	18.22	20	3		
10	64QAM	25	25	18.19	18.23	18.10				
10	64QAM	50	0	18.17	18.27	18.10				
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	21.05	21.19	21.12	23	0		
5	QPSK	1	12	21.02	21.16	21.07				
5	QPSK	1	24	21.22	21.10	21.03				
5	QPSK	12	0	20.23	20.24	20.30	22	1		
5	QPSK	12	7	20.05	20.15	20.06				
5	QPSK	12	13	20.18	20.16	20.15				
5	QPSK	25	0	20.06	20.19	20.03	22	1		
5	16QAM	1	0	20.15	20.19	20.12				
5	16QAM	1	12	20.27	20.27	20.21				
5	16QAM	1	24	20.11	20.15	20.09	21	2		
5	16QAM	12	0	19.13	19.14	19.03				
5	16QAM	12	7	19.00	19.14	19.04				
5	16QAM	12	13	19.01	19.15	19.10	21	2		
5	16QAM	25	0	19.24	19.08	19.01				
5	64QAM	1	0	19.16	19.11	19.03				
5	64QAM	1	12	19.02	19.15	19.15	21	2		
5	64QAM	1	24	19.01	19.07	19.03				
5	64QAM	12	0	18.22	18.28	18.29				
5	64QAM	12	7	18.24	18.29	18.14	20	3		
5	64QAM	12	13	18.14	18.25	18.15				
5	64QAM	25	0	18.12	18.29	18.16				

Band 41 Ant2 Default/DSI3										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	21.30	21.21	21.34	21.20	21.31	23	0
20	QPSK	1	49	21.25	21.28	21.31	21.25	21.19		
20	QPSK	1	99	21.24	21.23	21.27	21.18	21.12		
20	QPSK	50	0	20.23	20.26	20.36	20.24	20.23	22	1
20	QPSK	50	24	20.17	20.19	20.32	20.29	20.21		
20	QPSK	50	50	20.20	20.19	20.28	20.20	20.24		
20	QPSK	100	0	20.18	20.26	20.33	20.29	20.22	22	1
20	16QAM	1	0	20.15	20.20	20.29	20.19	20.23		
20	16QAM	1	49	20.32	20.32	20.38	20.29	20.23		
20	16QAM	1	99	20.19	20.19	20.31	20.24	20.25	21	2
20	16QAM	50	0	19.08	19.10	19.23	19.19	19.17		
20	16QAM	50	24	19.25	19.14	19.29	19.19	19.21		
20	16QAM	50	50	19.24	19.28	19.31	19.28	19.27	21	2
20	16QAM	100	0	19.18	19.18	19.28	19.24	19.24		
20	64QAM	1	0	19.11	19.07	19.18	19.13	19.14		
20	64QAM	1	49	19.15	19.12	19.27	19.21	19.17	21	2
20	64QAM	1	99	19.14	19.08	19.19	19.05	19.12		
20	64QAM	50	0	18.17	18.11	18.25	18.21	18.15		
20	64QAM	50	24	18.23	18.25	18.28	18.18	18.16	20	3
20	64QAM	50	50	18.17	18.17	18.26	18.21	18.14		
20	64QAM	100	0	18.10	18.19	18.24	18.16	18.13		
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	21.15	21.14	21.31	21.07	21.18	23.00	0
15	QPSK	1	37	21.14	21.15	21.20	21.15	21.06		
15	QPSK	1	74	21.12	21.15	21.18	21.07	21.05		
15	QPSK	36	0	20.15	20.14	20.22	20.17	20.12	22	1
15	QPSK	36	20	20.10	20.22	20.27	20.17	20.13		
15	QPSK	36	39	20.06	20.08	20.21	20.10	20.21		
15	QPSK	75	0	20.15	20.11	20.20	20.23	20.12	22	1
15	16QAM	1	0	20.04	20.13	20.25	20.15	20.17		
15	16QAM	1	37	20.25	20.28	20.29	20.24	20.09		
15	16QAM	1	74	20.06	20.13	20.18	20.11	20.20	21	2
15	16QAM	36	0	19.03	19.05	19.18	19.09	19.03		
15	16QAM	36	20	19.17	19.06	19.18	19.06	19.13		
15	16QAM	36	39	19.13	19.20	19.26	19.16	19.17	21	2
15	16QAM	75	0	19.09	19.10	19.18	19.19	19.21		
15	64QAM	1	0	19.00	19.02	19.04	19.01	19.07		
15	64QAM	1	37	19.08	19.06	19.21	19.14	19.03	21	2
15	64QAM	1	74	19.09	19.04	19.12	19.05	19.05		
15	64QAM	36	0	18.03	18.03	18.16	18.11	18.06		
15	64QAM	36	20	18.09	18.21	18.22	18.10	18.08	20	3
15	64QAM	36	39	18.07	18.09	18.16	18.09	18.04		
15	64QAM	75	0	18.03	18.04	18.13	18.08	18.04		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	21.27	21.12	21.24	21.05	21.28	23.00	0
10	QPSK	1	25	21.16	21.14	21.24	21.10	21.09		
10	QPSK	1	49	21.14	21.08	21.13	21.13	21.03		
10	QPSK	25	0	20.11	20.17	20.30	20.16	20.17	22	1
10	QPSK	25	12	20.12	20.20	20.29	20.24	20.09		
10	QPSK	25	25	20.15	20.10	20.14	20.15	20.17		
10	QPSK	50	0	20.11	20.15	20.29	20.15	20.10	22	1
10	16QAM	1	0	20.09	20.08	20.18	20.07	20.10		
10	16QAM	1	25	20.25	20.28	20.28	20.16	20.10		
10	16QAM	1	49	20.16	20.11	20.18	20.14	20.20	21	2
10	16QAM	25	0	19.06	19.01	19.13	19.07	19.04		
10	16QAM	25	12	19.12	19.04	19.18	19.13	19.08		
10	16QAM	25	25	19.09	19.22	19.20	19.23	19.21	21	2
10	16QAM	50	0	19.09	19.07	19.21	19.18	19.10		
10	64QAM	1	0	19.03	19.05	19.05	19.02	19.07		
10	64QAM	1	25	19.10	19.07	19.17	19.06	19.06	21	2
10	64QAM	1	49	19.02	19.03	19.09	19.05	19.06		
10	64QAM	25	0	18.12	18.03	18.15	18.08	18.10		
10	64QAM	25	12	18.14	18.20	18.15	18.05	18.01	20	3
10	64QAM	25	25	18.08	18.11	18.14	18.12	18.01		
10	64QAM	50	0	18.06	18.15	18.17	18.05	18.06		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	21.19	21.10	21.29	21.05	21.17	23.00	0
5	QPSK	1	12	21.21	21.19	21.20	21.14	21.15		
5	QPSK	1	24	21.12	21.18	21.22	21.10	21.05		
5	QPSK	12	0	20.17	20.15	20.24	20.10	20.12	22	1
5	QPSK	12	7	20.04	20.23	20.26	20.14	20.17		
5	QPSK	12	13	20.10	20.08	20.18	20.11	20.20		
5	QPSK	25	0	20.13	20.18	20.28	20.17	20.08	22	1
5	16QAM	1	0	20.06	20.11	20.21	20.09	20.14		
5	16QAM	1	12	20.22	20.24	20.32	20.25	20.16		
5	16QAM	1	24	20.06	20.10	20.24	20.11	20.17	21	2
5	16QAM	12	0	19.11	19.05	19.10	19.08	19.04		
5	16QAM	12	7	19.14	19.08	19.23	19.15	19.11		
5	16QAM	12	13	19.20	19.21	19.23	19.16	19.22	21	2
5	16QAM	25	0	19.11	19.09	19.18	19.16	19.18		
5	64QAM	1	0	19.03	19.05	19.12	19.06	19.02		
5	64QAM	1	12	19.09	19.02	19.21	19.13	19.08	21	2
5	64QAM	1	24	19.01	19.05	19.09	19.05	19.06		
5	64QAM	12	0	18.08	18.01	18.15	18.10	18.02		
5	64QAM	12	7	18.16	18.14	18.17	18.07	18.10	20	3
5	64QAM	12	13	18.07	18.10	18.14	18.12	18.01		
5	64QAM	25	0	18.01	18.05	18.10	18.05	18.07		

GSM850 Ant4 Default/DS13

GSM850	Burst-Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.95	32.81	32.61	33.50	23.95	23.81	23.61	24.50
GPRS 1 Tx slot	32.92	32.74	32.64	33.50	23.92	23.74	23.64	24.50
GPRS 2 Tx slots	30.43	30.47	30.45	31.00	24.43	24.47	24.45	25.00
GPRS 3 Tx slots	29.44	29.46	29.40	29.50	25.18	25.20	25.14	25.24
GPRS 4 Tx slots	27.16	27.18	27.15	28.00	24.16	24.18	24.15	25.00
EDGE 1 Tx slot	28.28	28.27	28.07	28.50	19.28	19.27	19.07	19.50
EDGE 2 Tx slots	25.47	25.29	25.30	25.50	19.47	19.26	19.30	19.50
EDGE 3 Tx slots	23.08	23.17	23.05	24.00	18.82	18.91	18.79	19.74
EDGE 4 Tx slots	21.78	21.83	21.82	22.50	18.78	18.83	18.82	19.50

GSM1900 Ant4 Default

GSM1900	Burst-Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.71	29.66	29.50	30.50	20.71	20.66	20.50	21.50
GPRS 1 Tx slot	28.74	29.58	29.77	30.50	20.74	20.58	20.77	21.50
GPRS 2 Tx slots	25.99	25.93	25.93	27.50	19.99	19.93	19.93	21.50
GPRS 3 Tx slots	24.51	24.56	24.51	26.00	20.25	20.30	20.25	21.74
GPRS 4 Tx slots	23.37	23.49	23.45	24.50	20.37	20.49	20.45	21.50
EDGE 1 Tx slot	26.44	26.49	26.43	27.50	17.44	17.49	17.43	18.50
EDGE 2 Tx slots	23.65	23.56	23.52	24.50	17.65	17.56	17.52	18.50
EDGE 3 Tx slots	22.03	22.15	22.15	23.00	17.77	17.89	17.89	18.74
EDGE 4 Tx slots	20.89	20.84	20.82	21.50	17.89	17.84	17.82	18.50

WCDMA II Ant4 Default

WCDMA IV Ant4 Default

WCDMA V Ant4 Default

Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1513		4132	4182	4233		
TX Channel	9662	9800	9938		1537	1638	1738		4357	4407	4458		
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	24.13	24.04	24.20	25.00	23.99	24.02	23.98	25.00	25.04	25.21	25.06	25.50
3GPP Rel 99	RMC 12.2kbps	24.04	24.27	24.10	25.00	24.06	24.07	24.04	25.00	25.27	25.35	25.32	25.50
3GPP Rel 6	HSDPA Subtest-1	23.19	23.06	22.96	24.00	23.06	22.96	22.75	24.00	24.18	24.29	24.12	24.50
3GPP Rel 6	HSDPA Subtest-2	22.98	22.95	23.07	24.00	22.97	22.94	22.88	24.00	24.18	24.17	24.28	24.50
3GPP Rel 6	HSDPA Subtest-3	22.80	22.53	22.73	23.50	22.58	22.38	22.37	23.50	23.88	23.69	23.82	24.00
3GPP Rel 6	HSDPA Subtest-4	22.77	22.89	22.70	23.50	22.37	22.39	22.32	23.50	23.86	23.50	23.63	24.00
3GPP Rel 8	DC-HSDPA Subtest-1	22.98	23.09	23.18	24.00	23.20	23.16	23.16	24.00	24.19	24.26	24.22	24.50
3GPP Rel 8	DC-HSDPA Subtest-2	22.92	23.15	23.28	24.00	22.91	22.94	23.03	24.00	24.16	24.03	24.23	24.50
3GPP Rel 8	DC-HSDPA Subtest-3	22.68	22.79	22.68	23.50	22.52	22.43	22.34	23.50	23.58	23.78	23.73	24.00
3GPP Rel 8	DC-HSDPA Subtest-4	22.61	22.90	22.79	23.50	22.34	22.38	22.42	23.50	23.65	23.55	23.80	24.00
3GPP Rel 6	HSUPA Subtest-1	23.09	23.25	23.00	24.00	23.01	22.74	22.72	24.00	24.27	24.24	24.23	24.50
3GPP Rel 6	HSUPA Subtest-2	21.13	21.23	21.39	22.00	20.99	20.96	20.97	22.00	22.10	22.08	22.18	22.50
3GPP Rel 6	HSUPA Subtest-3	22.07	22.31	22.00	23.00	21.92	21.90	21.81	23.00	23.29	23.25	23.24	23.50
3GPP Rel 6	HSUPA Subtest-4	21.22	21.29	21.26	22.00	21.09	20.99	20.87	22.00	22.36	22.35	22.23	22.50
3GPP Rel 6	HSUPA Subtest-5	23.08	23.33	23.06	24.00	22.84	23.14	23.06	24.00	23.98	24.23	24.32	24.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.50	20.67	20.67	21.50	20.34	20.44	20.46	21.50	21.67	21.74	21.76	22.00

Band 2 Ant4 Default/DSI3											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
20	QPSK	1	0	24.37	24.42	24.38	25	0			
20	QPSK	1	49	24.29	24.24	24.35					
20	QPSK	1	99	24.22	24.20	24.30					
20	QPSK	50	0	23.32	23.38	23.35	24	1			
20	QPSK	50	24	23.24	23.29	23.28					
20	QPSK	50	50	23.21	23.28	23.20					
20	QPSK	100	0	23.21	23.33	23.24	23	2			
20	16QAM	1	0	23.29	23.22	23.25					
20	16QAM	1	49	23.13	23.21	23.25					
20	16QAM	1	99	23.17	23.11	23.11	23	2			
20	16QAM	50	0	22.44	22.40	22.54					
20	16QAM	50	24	22.14	22.22	22.25					
20	16QAM	50	50	22.24	22.27	22.36	22	3			
20	16QAM	100	0	21.88	21.98	21.82					
20	64QAM	1	0	22.35	22.37	22.43					
20	64QAM	1	49	22.07	22.32	22.22	23	2			
20	64QAM	1	99	22.21	22.09	22.19					
20	64QAM	50	0	21.59	21.57	21.70					
20	64QAM	50	24	21.65	21.57	21.54	22	3			
20	64QAM	50	50	21.53	21.48	21.84					
20	64QAM	100	0	21.55	21.50	21.50					
Channel											
Frequency (MHz)											
15	QPSK	1	0	24.25	24.31	24.29	25	0			
15	QPSK	1	37	24.21	24.14	24.21					
15	QPSK	1	74	24.08	24.13	24.25					
15	QPSK	36	0	23.21	23.35	23.31	24	1			
15	QPSK	36	20	23.19	23.15	23.19					
15	QPSK	36	39	23.08	23.22	23.15					
15	QPSK	75	0	23.11	23.25	23.15	24	1			
15	16QAM	1	0	23.21	23.14	23.13					
15	16QAM	1	37	22.98	23.06	23.10					
15	16QAM	1	74	23.12	23.03	23.07	23	2			
15	16QAM	36	0	22.30	22.35	22.47					
15	16QAM	36	20	22.03	22.41	22.22					
15	16QAM	36	39	22.11	22.15	22.28	23	2			
15	16QAM	75	0	21.78	21.90	21.72					
15	64QAM	1	0	22.32	22.27	22.39					
15	64QAM	1	37	22.02	22.29	22.11	23	2			
15	64QAM	1	74	22.09	22.02	22.09					
15	64QAM	36	0	21.51	21.50	21.58					
15	64QAM	36	20	21.58	21.47	21.48	22	3			
15	64QAM	36	39	21.38	21.36	21.81					
15	64QAM	75	0	21.47	21.39	21.37					
Channel											
Frequency (MHz)											
10	QPSK	1	0	24.24	24.36	24.31	25	0			
10	QPSK	1	25	24.15	24.14	24.29					
10	QPSK	1	49	24.08	24.16	24.19					
10	QPSK	25	0	23.22	23.33	23.24	24	1			
10	QPSK	25	12	23.20	23.16	23.24					
10	QPSK	25	25	23.08	23.20	23.07					
10	QPSK	50	0	23.09	23.28	23.14	24	1			
10	16QAM	1	0	23.25	23.15	23.20					
10	16QAM	1	25	23.02	23.09	23.22					
10	16QAM	1	49	23.05	23.05	23.00	23	2			
10	16QAM	25	0	22.31	22.27	22.43					
10	16QAM	25	12	22.09	22.38	22.16					
10	16QAM	25	25	22.16	22.23	22.25	23	2			
10	16QAM	50	0	21.76	21.89	21.74					
10	64QAM	1	0	22.21	22.33	22.31					
10	64QAM	1	49	22.09	22.03	22.07	23	2			
10	64QAM	25	0	21.59	21.50	21.59					
10	64QAM	25	12	21.52	21.44	21.40					
10	64QAM	25	25	21.41	21.37	21.72	22	3			
10	64QAM	50	0	21.46	21.43	21.36					
Channel											
Frequency (MHz)											
5	QPSK	1	0	24.28	24.30	24.25	25	0			
5	QPSK	1	12	24.18	24.11	24.26					
5	QPSK	1	24	24.07	24.11	24.27					
5	QPSK	12	0	23.28	23.27	23.20	24	1			
5	QPSK	12	7	23.10	23.16	23.22					
5	QPSK	12	13	23.12	23.17	23.05					
5	QPSK	25	0	23.11	23.19	23.11	24	1			
5	16QAM	1	0	23.25	23.11	23.18					
5	16QAM	1	12	23.04	23.06	23.12					
5	16QAM	1	24	23.11	23.05	23.01	23	2			
5	16QAM	12	0	22.32	22.26	22.42					
5	16QAM	12	7	21.99	22.31	22.17					
5	16QAM	12	13	22.17	22.15	22.30	23	2			
5	16QAM	25	0	21.79	21.84	21.74					
5	64QAM	1	0	22.21	22.24	22.29					
5	64QAM	1	12	21.96	22.24	22.18	22	3			
5	64QAM	1	24	22.14	22.02	22.09					
5	64QAM	12	0	21.54	21.50	21.56					
5	64QAM	12	7	21.52	21.44	21.41	22	3			
5	64QAM	12	13	21.45	21.42	21.77					
5	64QAM	25	0	21.50	21.40	21.43					
Channel											
Frequency (MHz)											
3	QPSK	1	0	24.28	24.36	24.28	25	0			
3	QPSK	1	8	24.21	24.12	24.32					
3	QPSK	1	14	24.16	24.12	24.25					
3	QPSK	8	0	23.23	23.35	23.23	24	1			
3	QPSK	8	4	23.09	23.20	23.22					
3	QPSK	8	7	23.11	23.25	23.07					
3	QPSK	15	0	23.08	23.20	23.17	24	1			
3	16QAM	1	0	23.25	23.08	23.13					
3	16QAM	1	8	23.01	23.18	23.12					
3	16QAM	1	14	23.13	23.00	23.01	23	2			
3	16QAM	8	0	22.34	22.28	22.41					
3	16QAM	8	4	22.09	22.12	22.14					
3	16QAM	8	7	22.11	22.17	22.24	23	2			
3	16QAM	15	0	21.77	21.82	21.73					
3	64QAM	1	0	22.28	22.26	22.29					
3	64QAM	1	8	21.95	22.23	22.14	23	2			
3	64QAM	1	14	22.07	21.98	22.07					
3	64QAM	8	0	21.45	21.51	21.65					
3	64QAM	8	4	21.61	21.53	21.49	22	3			
3	64QAM	8	7	21.83	21.40	21.71					
3	64QAM	15	0	21.42	21.37	21.39					
Channel											
Frequency (MHz)											
1.4	QPSK	1	0	24.25	24.28	24.09.3	25	0			
1.4	QPSK	1	1	24.23	24.12	24.23					
1.4	QPSK	1	5	24.16	24.08	24.25					
1.4	QPSK	3	0	24.11	24.27	24.15	24	1			
1.4	QPSK	3	1	24.17	24.11	24.13					
1.4	QPSK	3	3	24.02	24.00	24.21					
1.4	QPSK	6	0	23.21	23.25	23.23	24	1			
1.4	16QAM	1	0	23.17	23.23	23.14					
1.4	16QAM	1	3	23.16	23.22	23.06					
1.4	16QAM	1	5	23.17	23.18	23.18	24	1			
1.4	16QAM	3	0	23.17	23.11	23.19					
1.4	16QAM	3	1	23.30	23.11	23.19					
1.4	16QAM	3	3	23.33	23.05	23.05	23	2			
1.4	16QAM	6	0	22.26	22.28	22.29					
1.4	64QAM	1	0	22.03	22.14	22.06					
1.4	64QAM	1	3	22.12	22.17	22.28	23	2			
1.4	64QAM	1	5	21.99	21.87	21.95					
1.4	64QAM	3	0	22.24	22.26	22.28					
1.4	64QAM	3	1	21.97	22.22	22.14	23	2			
1.4	64QAM	3	3	22.09	22.00	22.06					
1.4	64QAM	6	0	21.46	21.45	21.60					

Band 17 Ant4 Default/DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	25.19	25.26	25.13	25.5	0	
10	QPSK	1	25	25.20	25.22	25.15			
10	QPSK	1	49	25.12	25.03	25.05			
10	QPSK	25	0	24.20	24.34	24.12	24.5	1	
10	QPSK	25	12	24.15	24.21	24.23			
10	QPSK	25	25	24.23	24.24	24.23			
10	QPSK	50	0	24.15	24.27	24.24	24.5	1	
10	16QAM	1	0	24.38	24.34	24.24			
10	16QAM	1	25	24.37	24.32	24.39			
10	16QAM	1	49	24.40	24.42	24.37	23.5	2	
10	16QAM	25	0	23.29	23.13	23.31			
10	16QAM	25	12	23.25	23.09	23.25			
10	16QAM	25	25	23.25	23.26	23.10	22.5	3	
10	16QAM	50	0	23.26	23.28	23.17			
10	64QAM	1	0	23.23	23.30	23.24			
10	64QAM	1	25	23.47	23.40	23.40	23.5	2	
10	64QAM	1	49	23.27	23.27	23.40			
10	64QAM	25	0	22.17	22.21	22.12			
10	64QAM	25	12	22.25	22.33	22.29	22.5	3	
10	64QAM	25	25	22.11	22.19	22.10			
10	64QAM	50	0	22.07	22.15	22.14			
Channel									
Frequency (MHz)									
5	QPSK	1	0	24.99	25.13	25.00	25.5	0	
5	QPSK	1	12	25.14	25.16	25.03			
5	QPSK	1	24	24.93	24.86	25.05			
5	QPSK	12	0	24.08	24.01	24.04	24.5	1	
5	QPSK	12	7	24.02	24.36	24.07			
5	QPSK	12	13	24.02	24.03	24.07			
5	QPSK	25	0	24.07	23.96	24.07	24.5	1	
5	16QAM	1	0	24.49	24.37	24.28			
5	16QAM	1	12	24.35	24.34	24.38			
5	16QAM	1	24	24.35	24.27	24.24	23.5	2	
5	16QAM	12	0	23.31	22.99	23.10			
5	16QAM	12	7	23.09	22.89	23.22			
5	16QAM	12	13	23.17	23.24	23.04	23.5	2	
5	16QAM	25	0	23.15	23.10	22.98			
5	64QAM	1	0	23.08	23.16	23.19			
5	64QAM	1	12	23.28	23.31	23.21	23.5	2	
5	64QAM	1	24	23.23	23.31	23.27			
5	64QAM	12	0	22.18	22.13	22.12			
5	64QAM	12	7	22.16	22.34	22.12	22.5	3	
5	64QAM	12	13	21.96	22.20	22.04			
5	64QAM	25	0	22.07	22.02	22.09			

Band 26 Ant4 Default/DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel									
Frequency (MHz)				26765	26865	26965			
15	QPSK	1	0	25.23	25.34	25.11	25.5	0	
15	QPSK	1	37	25.19	25.29	25.20			
15	QPSK	1	74	25.11	25.18	25.08			
15	QPSK	36	0	24.32	24.39	24.16	24.5	1	
15	QPSK	36	20	24.38	24.25	24.30			
15	QPSK	36	39	24.37	24.21	24.13			
15	QPSK	75	0	24.19	24.28	24.18	24.5	1	
15	16QAM	1	0	24.35	24.25	24.32			
15	16QAM	1	37	24.10	24.21	24.22			
15	16QAM	1	74	24.30	24.31	24.08	23.5	2	
15	16QAM	36	0	23.32	23.30	23.31			
15	16QAM	36	20	23.46	23.26	23.39			
15	16QAM	36	39	23.29	23.24	23.30	23.5	2	
15	16QAM	75	0	23.30	23.40	23.26			
15	64QAM	1	0	23.28	23.37	23.14			
15	64QAM	1	37	23.01	23.24	23.18	23.5	2	
15	64QAM	1	74	23.20	23.29	23.09			
15	64QAM	36	0	22.30	22.29	22.14			
15	64QAM	36	20	22.24	22.19	22.25	22.5	3	
15	64QAM	36	39	22.26	22.30	22.13			
15	64QAM	75	0	22.00	22.26	22.14			
Channel									
Frequency (MHz)				26760	26865	26960	Tune-up limit (dbm)	MPR (db)	
10	QPSK	1	0	25.09	25.22	25.07	25.5	0	
10	QPSK	1	25	25.08	25.17	25.09			
10	QPSK	1	49	25.01	25.01	25.06			
10	QPSK	25	0	24.23	24.18	24.12	24.5	1	
10	QPSK	25	12	24.33	24.07	24.27			
10	QPSK	25	25	24.21	24.15	24.08			
10	QPSK	50	0	24.09	24.23	24.13	24.5	1	
10	16QAM	1	0	24.28	24.05	24.33			
10	16QAM	1	25	24.05	24.02	24.19			
10	16QAM	1	49	24.24	24.24	23.96	23.5	2	
10	16QAM	25	0	23.28	23.30	23.25			
10	16QAM	25	12	23.41	23.12	23.39			
10	16QAM	25	25	23.18	23.17	23.20	23.5	2	
10	16QAM	50	0	23.32	23.34	23.20			
10	64QAM	1	0	23.14	23.22	23.00			
10	64QAM	1	25	22.80	23.05	23.11	23.5	2	
10	64QAM	1	49	23.17	23.18	22.97			
10	64QAM	25	0	22.21	22.22	22.13			
10	64QAM	25	12	22.09	22.04	22.10	22.5	3	
10	64QAM	25	25	22.15	22.09	21.91			
10	64QAM	50	0	21.93	22.20	21.93			
Channel									
Frequency (MHz)				816.5	831.5	846.5	Tune-up limit (dbm)	MPR (db)	
5	QPSK	1	0	25.19	25.31	24.93	25.5	0	
5	QPSK	1	12	25.10	25.10	25.01			
5	QPSK	1	24	24.93	25.20	24.87			
5	QPSK	12	0	24.13	24.29	23.95	24.5	1	
5	QPSK	12	7	24.33	24.26	24.22			
5	QPSK	12	13	24.27	24.07	24.07			
5	QPSK	25	0	23.98	24.06	24.01	24.5	1	
5	16QAM	1	0	24.28	24.16	24.17			
5	16QAM	1	12	24.07	24.20	24.17			
5	16QAM	1	24	24.11	24.14	24.05	23.5	2	
5	16QAM	12	0	23.30	23.31	23.12			
5	16QAM	12	7	23.44	23.26	23.34			
5	16QAM	12	13	23.21	23.09	23.29	23.5	2	
5	16QAM	25	0	23.17	23.33	23.22			
5	64QAM	1	0	23.10	23.16	23.06			
5	64QAM	1	12	22.92	23.19	22.98	23.5	2	
5	64QAM	1	24	23.11	23.09	22.94			
5	64QAM	12	0	22.13	22.15	21.94			
5	64QAM	12	7	22.21	21.97	22.24	22.5	3	
5	64QAM	12	13	22.21	22.31	22.15			
5	64QAM	25	0	21.98	22.06	21.99			
Channel									
Frequency (MHz)				26705	26865	27025	Tune-up limit (dbm)	MPR (db)	
3	QPSK	1	0	25.23	25.22	24.90	25.5	0	
3	QPSK	1	8	25.07	25.23	25.12			
3	QPSK	1	14	25.06	25.16	25.01			
3	QPSK	8	0	24.18	24.28	24.00	24.5	1	
3	QPSK	8	4	24.37	24.05	24.35			
3	QPSK	8	7	24.26	24.05	23.91			
3	QPSK	15	0	24.15	24.24	24.15	24.5	1	
3	16QAM	1	0	24.31	24.07	24.32			
3	16QAM	1	8	23.97	24.22	24.23			
3	16QAM	1	14	24.25	24.18	24.05	23.5	2	
3	16QAM	8	0	23.34	23.30	23.11			
3	16QAM	8	4	23.47	23.10	23.21			
3	16QAM	8	7	23.21	23.04	23.12	23.5	2	
3	16QAM	15	0	23.15	23.21	23.22			
3	64QAM	1	0	23.19	23.33	23.27			
3	64QAM	1	8	22.87	23.21	23.28	23.5	2	
3	64QAM	1	14	23.13	23.30	22.91			
3	64QAM	8	0	22.15	22.30	22.08			
3	64QAM	8	4	22.23	22.19	22.04	22.5	3	
3	64QAM	8	7	22.17	22.27	21.92			
3	64QAM	15	0	21.80	22.23	21.98			
Channel									
Frequency (MHz)				816.7	831.5	847.5	Tune-up limit (dbm)	MPR (db)	
1.4	QPSK	1	0	25.09	25.17	25.07	25.5	0	
1.4	QPSK	1	3	25.00	25.17	25.01			
1.4	QPSK	1	5	25.11	24.97	24.90			
1.4	QPSK	3	0	25.03	25.23	24.88	24.5	1	
1.4	QPSK	3	1	24.92	25.16	24.95			
1.4	QPSK	3	3	24.81	25.01	24.83			
1.4	QPSK	6	0	24.23	24.25	24.26	24.5	1	
1.4	16QAM	1	0	24.26	24.06	24.38			
1.4	16QAM	1	3	24.30	24.03	23.94			
1.4	16QAM	1	5	24.19	24.08	24.14	24.5	1	
1.4	16QAM	3	0	24.24	24.16	24.20			
1.4	16QAM	3	1	24.04	24.20	24.14			
1.4	16QAM	3	3	24.21	24.14	24.07	23.5	2	
1.4	16QAM	6	0	23.34	23.31	23.29			
1.4	64QAM	1	0	23.38	23.19	23.26			
1.4	64QAM	1	3	23.10	23.23	23.31	23.5	2	
1.4	64QAM	1	5	23.15	23.41	23.13			
1.4	64QAM	3	0	23.25	23.23	22.96			
1.4	64QAM	3	1	23.03	23.17	23.11	22.5	3	
1.4	64QAM	3	3	23.01	23.12	22.94			
1.4	64QAM	6	0	22.30	22.18	21.94			

Band 38 Ant4 Default/DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	25.5	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	24.49	24.50	24.42			
20	QPSK	1	49	24.39	24.45	24.42	24.5	1	
20	QPSK	1	99	24.26	24.31	24.22			
20	QPSK	50	0	23.45	23.50	23.47			
20	QPSK	50	24	23.30	23.29	23.25	24.5	1	
20	QPSK	50	50	23.29	23.33	23.30			
20	QPSK	100	0	23.23	23.26	23.21			
20	16QAM	1	0	23.37	23.37	23.32	24.5	1	
20	16QAM	1	49	23.22	23.26	23.16			
20	16QAM	1	99	23.21	23.31	23.25			
20	16QAM	50	0	22.44	22.44	22.39	23.5	2	
20	16QAM	50	24	22.32	22.34	22.27			
20	16QAM	50	50	22.22	22.28	22.20			
20	16QAM	100	0	22.39	22.39	22.31	23.5	2	
20	64QAM	1	0	22.33	22.32	22.28			
20	64QAM	1	49	22.40	22.45	22.35			
20	64QAM	1	99	22.36	22.39	22.32	22.5	3	
20	64QAM	50	0	21.40	21.47	21.45			
20	64QAM	50	24	21.46	21.50	21.42			
20	64QAM	50	50	21.28	21.31	21.24	22.5	3	
20	64QAM	100	0	21.44	21.53	21.51			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5	25.5	0	
15	QPSK	1	0	24.43	24.39	24.38			
15	QPSK	1	37	24.33	24.30	24.35	24.5	1	
15	QPSK	1	74	24.22	24.26	24.11			
15	QPSK	36	0	23.30	23.44	23.33	24.5	1	
15	QPSK	36	20	23.23	23.23	23.15			
15	QPSK	36	39	23.14	23.26	23.15			
15	QPSK	75	0	23.19	23.18	23.18	24.5	1	
15	16QAM	1	0	23.24	23.23	23.21			
15	16QAM	1	37	23.08	23.18	23.04			
15	16QAM	1	74	23.08	23.21	23.19	23.5	2	
15	16QAM	36	0	22.39	22.40	22.35			
15	16QAM	36	20	22.24	22.28	22.20			
15	16QAM	36	39	22.17	22.15	22.14	23.5	2	
15	16QAM	75	0	22.35	22.25	22.18			
15	64QAM	1	0	22.22	22.28	22.19			
15	64QAM	1	37	22.30	22.34	22.24	22.5	3	
15	64QAM	1	74	22.27	22.25	22.25			
15	64QAM	36	0	21.32	21.34	21.42			
15	64QAM	36	20	21.39	21.45	21.36	22.5	3	
15	64QAM	36	39	21.16	21.22	21.16			
15	64QAM	75	0	21.31	21.38	21.40			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615	25.5	0	
10	QPSK	1	0	24.42	24.41	24.35			
10	QPSK	1	25	24.32	24.37	24.30	24.5	1	
10	QPSK	1	49	24.13	24.21	24.17			
10	QPSK	25	0	23.36	23.42	23.41	24.5	1	
10	QPSK	25	12	23.15	23.18	23.11			
10	QPSK	25	25	23.19	23.24	23.27			
10	QPSK	50	0	23.18	23.22	23.08	24.5	1	
10	16QAM	1	0	23.26	23.29	23.28			
10	16QAM	1	25	23.08	23.23	23.07			
10	16QAM	1	49	23.10	23.25	23.14	23.5	2	
10	16QAM	25	0	22.39	22.40	22.25			
10	16QAM	25	12	22.21	22.24	22.14			
10	16QAM	25	25	22.13	22.21	22.10	23.5	2	
10	16QAM	50	0	22.31	22.28	22.21			
10	64QAM	1	0	22.27	22.27	22.23			
10	64QAM	1	25	22.25	22.41	22.27	22.5	3	
10	64QAM	1	49	22.28	22.25	22.23			
10	64QAM	25	0	21.28	21.42	21.42			
10	64QAM	25	12	21.36	21.45	21.29	22.5	3	
10	64QAM	25	25	21.17	21.17	21.14			
10	64QAM	50	0	21.40	21.50	21.38			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5	25.5	0	
5	QPSK	1	0	24.40	24.39	24.36			
5	QPSK	1	12	24.35	24.32	24.27	24.5	1	
5	QPSK	1	24	24.19	24.27	24.09			
5	QPSK	12	0	23.41	23.40	23.38	24.5	1	
5	QPSK	12	7	23.26	23.18	23.21			
5	QPSK	12	13	23.14	23.30	23.25			
5	QPSK	25	0	23.17	23.15	23.10	24.5	1	
5	16QAM	1	0	23.31	23.32	23.22			
5	16QAM	1	12	23.17	23.23	23.02			
5	16QAM	1	24	23.17	23.25	23.19	23.5	2	
5	16QAM	12	0	22.35	22.39	22.30			
5	16QAM	12	7	22.18	22.27	22.21			
5	16QAM	12	13	22.09	22.23	22.16	23.5	2	
5	16QAM	25	0	22.30	22.30	22.19			
5	64QAM	1	0	22.24	22.22	22.17			
5	64QAM	1	12	22.29	22.40	22.26	22.5	3	
5	64QAM	1	24	22.29	22.34	22.21			
5	64QAM	12	0	21.35	21.40	21.40			
5	64QAM	12	7	21.42	21.41	21.37	22.5	3	
5	64QAM	12	13	21.23	21.26	21.19			
5	64QAM	25	0	21.32	21.46	21.37			

Band 41 Ant4 Default/DSI3										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	25.5	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	24.47	24.40	24.55	24.53	24.46		
20	QPSK	1	49	24.25	24.36	24.47	24.36	24.45	24.5	1
20	QPSK	1	99	24.27	24.39	24.30	24.22	24.26		
20	QPSK	50	0	23.51	23.44	23.59	23.56	23.51		
20	QPSK	50	24	23.27	23.39	23.38	23.45	23.37	24.5	1
20	QPSK	50	50	23.35	23.44	23.44	23.42	23.55		
20	QPSK	100	0	23.46	23.40	23.49	23.47	23.45		
20	16QAM	1	0	23.31	23.30	23.32	23.49	23.46	24.5	1
20	16QAM	1	49	23.41	23.38	23.51	23.33	23.32		
20	16QAM	1	99	23.43	23.35	23.47	23.32	23.33		
20	16QAM	50	0	22.18	22.38	22.30	22.26	22.20	23.5	2
20	16QAM	50	24	22.27	22.34	22.31	22.17	22.19		
20	16QAM	50	50	22.16	22.35	22.38	22.07	22.06		
20	16QAM	100	0	21.95	22.15	22.28	22.08	22.02	23.5	2
20	64QAM	1	0	22.33	22.37	22.37	22.13	22.15		
20	64QAM	1	49	22.44	22.37	22.37	22.42	22.34		
20	64QAM	1	99	22.13	22.24	22.40	22.22	22.12	22.5	3
20	64QAM	50	0	21.75	21.67	21.67	21.78	21.64		
20	64QAM	50	24	21.54	21.60	21.48	21.45	21.39		
20	64QAM	50	50	21.40	21.46	21.48	21.50	21.39	22.5	3
20	64QAM	100	0	21.44	21.58	21.55	21.52	21.44		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	25.50	0
15	QPSK	1	0	24.36	24.26	24.39	24.50	24.47		
15	QPSK	1	37	24.14	24.32	24.28	24.38	24.28	24.5	1
15	QPSK	1	74	24.14	24.22	24.17	24.06	24.20		
15	QPSK	36	0	23.02	23.43	23.41	23.33	23.23		
15	QPSK	36	20	23.02	23.19	23.20	23.15	23.05	24.5	1
15	QPSK	36	39	23.17	23.28	23.38	23.14	23.26		
15	QPSK	75	0	23.03	23.34	23.35	23.36	23.41		
15	16QAM	1	0	23.23	23.21	23.29	23.49	23.47	24.5	1
15	16QAM	1	37	23.36	23.16	23.42	23.23	23.24		
15	16QAM	1	74	23.25	23.13	23.32	23.15	23.13		
15	16QAM	36	0	22.18	22.23	22.13	22.12	21.99	23.5	2
15	16QAM	36	20	22.12	22.27	22.32	22.13	22.09		
15	16QAM	36	39	22.12	22.35	22.36	21.97	21.91		
15	16QAM	75	0	22.16	22.04	22.14	21.94	22.02	23.5	2
15	64QAM	1	0	22.21	22.36	22.38	22.11	22.16		
15	64QAM	1	37	22.30	22.16	22.16	22.22	22.17		
15	64QAM	1	74	22.12	22.24	22.31	22.14	22.04	22.5	3
15	64QAM	36	0	21.68	21.53	21.62	21.65	21.55		
15	64QAM	36	20	21.50	21.48	21.47	21.33	21.40		
15	64QAM	36	39	21.34	21.32	21.44	21.44	21.21	22.5	3
15	64QAM	75	0	21.38	21.41	21.38	21.36	21.32		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685	25.50	0
10	QPSK	1	0	24.41	24.35	24.54	24.50	24.46		
10	QPSK	1	25	24.14	24.36	24.37	24.16	24.46		
10	QPSK	1	49	24.06	24.34	24.09	24.16	24.05	24.5	1
10	QPSK	25	0	23.50	23.26	23.50	23.48	23.39		
10	QPSK	25	12	23.22	23.27	23.24	23.36	23.20		
10	QPSK	25	25	23.34	23.32	23.31	23.31	23.37	24.5	1
10	QPSK	50	0	23.46	23.26	23.31	23.46	23.42		
10	16QAM	1	0	23.15	23.08	23.11	23.45	23.45		
10	16QAM	1	25	23.21	23.24	23.45	23.16	23.25	24.5	1
10	16QAM	1	49	23.35	23.14	23.35	23.13	23.18		
10	16QAM	25	0	22.19	22.32	22.12	22.11	22.10		
10	16QAM	25	12	22.09	22.23	22.21	22.08	22.15	23.5	2
10	16QAM	25	25	22.03	22.19	22.18	22.01	21.99		
10	16QAM	50	0	22.13	22.03	22.16	22.17	21.92		
10	64QAM	1	0	22.21	22.28	22.39	21.97	22.02	23.5	2
10	64QAM	1	25	22.42	22.22	22.29	22.35	22.28		
10	64QAM	1	49	21.97	22.07	22.30	22.22	22.03		
10	64QAM	25	0	21.72	21.48	21.64	21.71	21.55	22.5	3
10	64QAM	25	12	21.34	21.43	21.26	21.25	21.29		
10	64QAM	25	25	21.29	21.29	21.29	21.35	21.26		
10	64QAM	50	0	21.44	21.60	21.46	21.37	21.31	22.5	3
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	24.38	24.37	24.46	24.48	24.29	25.50	0
5	QPSK	1	12	24.17	24.20	24.37	24.37	24.44		
5	QPSK	1	24	24.14	24.33	24.32	24.18	24.10		
5	QPSK	12	0	23.47	23.45	23.53	23.49	23.48	24.5	1
5	QPSK	12	7	23.28	23.24	23.31	23.32	23.18		
5	QPSK	12	13	23.28	23.38	23.46	23.28	23.42		
5	QPSK	25	0	23.27	23.32	23.33	23.30	23.27	24.5	1
5	16QAM	1	0	23.24	23.24	23.10	23.29	23.43		
5	16QAM	1	12	23.34	23.19	23.40	23.16	23.14		
5	16QAM	1	24	23.43	23.36	23.29	23.22	23.33	23.5	2
5	16QAM	12	0	21.97	22.31	22.09	22.11	22.04		
5	16QAM	12	7	22.11	22.16	22.12	22.14	22.08		
5	16QAM	12	13	21.99	22.23	22.35	22.01	22.15	23.5	2
5	16QAM	25	0	22.14	21.99	22.20	21.99	22.00		
5	64QAM	1	0	22.23	22.37	22.27	22.01	21.94		
5	64QAM	1	12	22.37	22.23	22.34	22.28	22.16	23.5	2
5	64QAM	1	24	22.10	22.15	22.30	22.13	22.00		
5	64QAM	12	0	21.72	21.50	21.52	21.66	21.61		
5	64QAM	12	7	21.41	21.49	21.49	21.39	21.31	22.5	3
5	64QAM	12	13	21.39	21.26	21.36	21.48	21.30		
5	64QAM	25	0	21.46	21.47	21.39	21.33	21.31		

GSM850 Ant1 Default/DS14

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.64	32.54	32.47	33.50	23.64	23.54	23.47	24.50
GPRS 1 Tx slot	32.54	32.46	32.35	33.50	23.54	23.46	23.35	24.50
GPRS 2 Tx slots	29.49	29.37	29.43	31.00	23.49	23.37	23.43	25.00
GPRS 3 Tx slots	27.70	27.72	27.64	29.50	23.44	23.46	23.38	25.24
GPRS 4 Tx slots	26.31	26.28	26.27	28.00	23.31	23.28	23.27	25.00
EDGE 1 Tx slot	26.98	27.08	27.19	28.50	17.98	18.08	18.19	19.50
EDGE 2 Tx slots	23.96	24.05	24.04	25.50	17.96	18.05	18.04	19.50
EDGE 3 Tx slots	22.27	22.21	22.25	24.00	18.01	17.95	17.99	19.74
EDGE 4 Tx slots	20.75	20.69	20.74	22.50	17.75	17.69	17.74	19.50

GSM1900 Ant1 DS14

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	27.03	27.03	26.94	28.00	18.03	18.03	17.94	19.00
GPRS 1 Tx slot	26.91	26.76	26.77	28.00	17.91	17.76	17.77	19.00
GPRS 2 Tx slots	23.06	23.10	23.12	25.00	17.06	17.10	17.12	19.00
GPRS 3 Tx slots	21.51	21.75	21.66	23.50	17.25	17.49	17.40	19.24
GPRS 4 Tx slots	20.21	20.37	20.22	22.00	17.21	17.37	17.22	19.00
EDGE 1 Tx slot	23.82	23.63	23.80	25.00	14.82	14.63	14.80	16.00
EDGE 2 Tx slots	20.53	20.76	20.56	22.00	14.53	14.76	14.56	16.00
EDGE 3 Tx slots	19.48	19.42	19.27	20.50	15.22	15.16	15.01	16.24
EDGE 4 Tx slots	18.32	18.18	18.22	19.00	15.32	15.18	15.22	16.00

WCDMA II Ant1 DS14

WCDMA IV Ant1 DS14

WCDMA V Ant1 DS14

Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1513		4132	4182	4233		
TX Channel	9662	9800	9938		1537	1638	1738		4357	4407	4458		
Rx Channel	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6		
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6		
3GPP Rel 99	AMR 12.2Kbps	20.15	20.22	20.14	21.00	19.93	20.05	20.06	21.00	23.32	23.42	23.40	24.50
3GPP Rel 99	RMC 12.2Kbps	20.18	20.26	20.10	21.00	19.95	20.09	20.01	21.00	23.38	23.46	23.44	24.50
3GPP Rel 6	HSDPA Subtest-1	19.31	19.31	19.09	20.00	19.09	18.90	18.95	20.00	22.44	22.42	22.30	23.50
3GPP Rel 6	HSDPA Subtest-2	18.94	19.16	19.17	20.00	18.95	19.07	18.86	20.00	22.54	22.48	22.34	23.50
3GPP Rel 6	HSDPA Subtest-3	18.40	18.33	18.63	19.50	18.52	18.48	18.39	19.50	21.95	21.87	21.82	23.00
3GPP Rel 6	HSDPA Subtest-4	18.68	18.76	18.65	19.50	18.28	18.49	18.22	19.50	21.87	21.97	21.73	23.00
3GPP Rel 8	DC-HSDPA Subtest-1	19.33	19.22	19.18	20.00	19.14	19.03	18.99	20.00	22.25	22.40	22.20	23.50
3GPP Rel 8	DC-HSDPA Subtest-2	18.99	19.29	19.15	20.00	18.75	19.00	18.82	20.00	22.26	22.41	22.06	23.50
3GPP Rel 8	DC-HSDPA Subtest-3	18.33	18.31	18.63	19.50	18.67	18.59	18.45	19.50	21.77	21.75	21.78	23.00
3GPP Rel 8	DC-HSDPA Subtest-4	18.64	18.87	18.53	19.50	18.31	18.55	18.31	19.50	21.82	21.86	21.75	23.00
3GPP Rel 6	HSUPA Subtest-1	19.32	19.32	19.07	20.00	18.74	18.94	19.04	20.00	22.45	22.41	22.30	23.50
3GPP Rel 6	HSUPA Subtest-2	17.60	17.29	17.35	18.00	17.11	16.95	16.97	18.00	20.38	20.41	20.24	21.50
3GPP Rel 6	HSUPA Subtest-3	18.20	18.22	18.16	19.00	17.96	18.17	17.77	19.00	21.36	21.24	21.19	22.50
3GPP Rel 6	HSUPA Subtest-4	17.31	17.09	17.32	18.00	16.76	17.00	16.72	18.00	20.31	20.33	20.30	21.50
3GPP Rel 6	HSUPA Subtest-5	19.19	19.19	19.12	20.00	18.94	19.12	19.19	20.00	22.37	22.25	22.34	23.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	16.79	16.90	16.59	17.50	16.35	16.47	16.28	17.50	19.97	19.83	19.83	21.00

Band 7 Ant1 DS14

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	18.31	18.41	18.37	19.5	0
20	QPSK	1	49	18.33	18.28	18.24		
20	QPSK	1	99	18.26	18.34	18.35		
20	QPSK	50	0	18.36	18.38	18.32	19.5	0
20	QPSK	50	24	18.32	18.34	18.30		
20	QPSK	50	50	18.24	18.34	18.29		
20	QPSK	100	0	18.30	18.34	18.31	19.5	0
20	16QAM	1	0	18.28	18.36	18.29		
20	16QAM	1	49	18.26	18.23	18.16		
20	16QAM	1	99	18.22	18.25	18.29	19.5	0
20	16QAM	50	0	18.33	18.34	18.25		
20	16QAM	50	24	18.23	18.16	18.27		
20	16QAM	50	50	18.21	18.24	18.22	19.5	0
20	16QAM	100	0	18.21	18.24	18.20		
20	64QAM	1	0	18.27	18.32	18.31		
20	64QAM	1	49	18.25	18.24	18.18	19.5	0
20	64QAM	1	99	18.20	18.27	18.28		
20	64QAM	50	0	18.20	18.20	18.25		
20	64QAM	50	24	18.23	18.13	18.24	19.5	0
20	64QAM	50	50	18.20	18.27	18.26		
20	64QAM	100	0	18.26	18.26	18.28		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	18.17	18.37	18.28	19.5	0
15	QPSK	1	37	18.26	18.18	18.13		
15	QPSK	1	74	18.15	18.27	18.31		
15	QPSK	36	0	18.28	18.23	18.29	19.5	0
15	QPSK	36	20	18.20	18.10	18.27		
15	QPSK	36	39	18.18	18.30	18.23		
15	QPSK	75	0	18.21	18.21	18.16	19.5	0
15	16QAM	1	0	18.15	18.23	18.23		
15	16QAM	1	37	18.16	18.11	18.08		
15	16QAM	1	74	18.19	18.14	18.23	19.5	0
15	16QAM	36	0	18.19	18.29	18.20		
15	16QAM	36	20	18.19	18.10	18.16		
15	16QAM	36	39	18.06	18.17	18.17	19.5	0
15	16QAM	75	0	18.10	18.20	18.15		
15	16QAM	1	0	18.17	18.23	18.17		
15	64QAM	1	37	18.12	18.17	18.12	19.5	0
15	64QAM	1	74	18.12	18.22	18.18		
15	64QAM	36	0	18.21	18.17	18.16		
15	64QAM	36	20	18.16	18.02	18.14	19.5	0
15	64QAM	36	39	18.12	18.20	18.13		
15	64QAM	75	0	18.14	18.23	18.15		
Channel				20900	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	18.22	18.30	18.31	19.5	0
10	QPSK	1	25	18.27	18.22	18.10		
10	QPSK	1	49	18.19	18.23	18.27		
10	QPSK	25	0	18.21	18.30	18.25	19.5	0
10	QPSK	25	12	18.29	18.20	18.25		
10	QPSK	25	25	18.18	18.30	18.24		
10	QPSK	50	0	18.25	18.20	18.25	19.5	0
10	16QAM	1	0	18.13	18.28	18.16		
10	16QAM	1	25	18.13	18.14	18.10		
10	16QAM	1	49	18.16	18.18	18.15	19.5	0
10	16QAM	25	0	18.23	18.20	18.18		
10	16QAM	25	12	18.14	18.11	18.23		
10	16QAM	25	25	18.11	18.14	18.14	19.5	0
10	16QAM	50	0	18.08	18.09	18.16		
10	64QAM	1	0	18.20	18.20	18.28		
10	64QAM	1	25	18.21	18.20	18.15	19.5	0
10	64QAM	1	49	18.07	18.21	18.15		
10	64QAM	25	0	18.24	18.25	18.21		
10	64QAM	25	12	18.11	18.05	18.14	19.5	0
10	64QAM	25	25	18.07	18.13	18.18		
10	64QAM	50	0	18.18	18.17	18.23		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	18.24	18.31	18.31	19.5	0
5	QPSK	1	12	18.21	18.15	18.15		
5	QPSK	1	24	18.22	18.29	18.30		
5	QPSK	12	0	18.25	18.30	18.26	19.5	0
5	QPSK	12	7	18.18	18.14	18.26		
5	QPSK	12	13	18.18	18.24	18.26		
5	QPSK	25	0	18.26	18.23	18.17	19.5	0
5	16QAM	1	0	18.20	18.29	18.18		
5	16QAM	1	12	18.20	18.16	18.11		
5	16QAM	1	24	18.19	18.15	18.18	19.5	0
5	16QAM	12	0	18.26	18.20	18.22		
5	16QAM	12	7	18.19	18.10	18.23		
5	16QAM	12	13	18.15	18.12	18.14	19.5	0
5	16QAM	25	0	18.16	18.14	18.10		
5	64QAM	1	0	18.20	18.20	18.17		
5	64QAM	1	12	18.16	18.12	18.12	19.5	0
5	64QAM	1	24	18.07	18.13	18.16		
5	64QAM	12	0	18.25	18.21	18.20		
5	64QAM	12	7	18.13	18.06	18.09	19.5	0
5	64QAM	12	13	18.06	18.24	18.12		
5	64QAM	25	0	18.22	18.19	18.15		

Band 12 Ant1 Default/DS14

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23050	23095	23150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	24.51	24.59	24.54	25.5	0
10	QPSK	1	25	24.45	24.52	24.39		
10	QPSK	1	49	24.31	24.32	24.32		
10	QPSK	25	0	23.41	23.52	23.46	24.5	1
10	QPSK	25	12	23.38	23.44	23.38		
10	QPSK	25	25	23.41	23.48	23.46		
10	QPSK	50	0	23.39	23.44	23.35	24.5	1
10	16QAM	1	0	23.38	23.36	23.32		
10	16QAM	1	25	23.50	23.47	23.51		
10	16QAM	1	49	23.63	23.66	23.64	23.5	2
10	16QAM	25	0	22.47	22.40	22.44		
10	16QAM	25	12	22.43	22.42	22.50		
10	16QAM	25	25	22.51	22.52	22.51	23.5	2
10	16QAM	50	0	22.51	22.49	22.50		
10	64QAM	1	0	22.47	22.45	22.58		
10	64QAM	1	25	22.33	22.38	22.31	23.5	2
10	64QAM	1	49	22.49	22.31	22.26		
10	64QAM	25	0	21.44	21.40	21.52		
10	64QAM	25	12	21.40	21.34	21.45	22.5	3
10	64QAM	25	25	21.47	21.41	21.38		
10	64QAM	50	0	21.57	21.35	21.49		
Channel				23025	23095	23155	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	24.57	24.45	24.57	25.5	0
5	QPSK	1	12	24.41	24.40	24.28		
5	QPSK	1	24	24.44	24.39	24.49		
5	QPSK	12	0	23.38	23.39	23.41	24.5	1
5	QPSK	12	7	23.20	23.32	23.33		
5	QPSK	12	13	23.32	23.33	23.41		
5	QPSK	25	0	23.29	23.40	23.27	24.5	1
5	16QAM	1	0	23.34	23.31	23.46		
5	16QAM	1	12	23.41	23.43	23.37		
5	16QAM	1	24	23.58	23.57	23.51	23.5	2
5	16QAM	12	0	22.38	22.27	22.41		
5	16QAM	12	7	22.35	22.32	22.38		
5	16QAM	12	13	22.39	22.38	22.38	23.5	2
5	16QAM	25	0	22.41	22.35	22.39		
5	64QAM	1	0	22.33	22.41	22.50		
5	64QAM	1	12	22.20	22.29	22.48	23.5	2
5	64QAM	1	24	22.43	22.22	22.44		
5	64QAM	12	0	21.32	21.42	21.45		
5	64QAM	12	7	21.32	21.23	21.34	22.5	3
5	64QAM	12	13	21.44	21.28	21.34		
5	64QAM	25	0	21.53	21.29	21.42		
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				700.5	707.5	714.5		
3	QPSK	1	0	24.40	24.51	24.29	25.5	0
3	QPSK	1	8	24.32	24.44	24.33		
3	QPSK	1	16	24.46	24.36	24.53		
3	QPSK	8	0	23.30	23.40	23.35	24.5	1
3	QPSK	8	4	23.43	23.31	23.29		
3	QPSK	8	7	23.37	23.43	23.40		
3	QPSK	15	0	23.35	23.29	23.26	24.5	1
3	16QAM	1	0	23.33	23.31	23.24		
3	16QAM	1	8	23.43	23.42	23.43		
3	16QAM	1	14	23.56	23.61	23.51	23.5	2
3	16QAM	8	0	22.41	22.30	22.29		
3	16QAM	8	4	22.38	22.37	22.40		
3	16QAM	15	0	22.42	22.37	22.34	23.5	2
3	64QAM	1	0	22.27	22.39	22.55		
3	64QAM	1	11	22.19	22.30	22.48		
3	64QAM	1	14	22.38	22.28	22.44	22.5	3
3	64QAM	8	0	21.37	21.40	21.45		
3	64QAM	8	4	21.35	21.21	21.33		
3	64QAM	8	7	21.37	21.31	21.23	23.5	2
3	64QAM	15	0	21.47	21.25	21.37		
3	64QAM	15	0	21.52	21.16	21.32		
Channel				23025	23095	23175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				698.7	707.5	715.3		
1.4	QPSK	1	0	24.48	24.44	24.32	25.5	0
1.4	QPSK	1	3	24.37	24.45	24.31		
1.4	QPSK	1	5	24.47	24.29	24.56		
1.4	QPSK	3	0	24.22	24.41	24.34	24.5	1
1.4	QPSK	3	1	24.34	24.33	24.48		
1.4	QPSK	3	3	24.37	24.26	24.45		
1.4	QPSK	6	0	23.32	23.49	23.32	24.5	1
1.4	16QAM	1	0	23.45	23.34	23.25		
1.4	16QAM	1	3	23.35	23.34	23.36		
1.4	16QAM	1	5	23.34	23.36	23.24	24.5	1
1.4	16QAM	3	0	23.25	23.37	23.26		
1.4	16QAM	3	1	23.40	23.37	23.46		
1.4	16QAM	3	3	23.59	23.54	23.49	23.5	2
1.4	16QAM	6	0	22.44	22.32	22.38		
1.4	64QAM	1	0	22.32	22.39	22.39		
1.4	64QAM	1	3	22.41	22.48	22.47	23.5	2
1.4	64QAM	1	5	22.48	22.43	22.44		
1.4	64QAM	3	0	22.33	22.35	22.44		
1.4	64QAM	3	1	22.38	22.30	22.30	22.5	3
1.4	64QAM	3	3	22.45	22.24	22.41		
1.4	64QAM	6	0	21.42	21.42	21.46		

Band 38 Ant1 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	21.5	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	20.28	20.39	20.31			
20	QPSK	1	49	20.24	20.14	20.15	21.5	0	
20	QPSK	1	99	20.31	20.35	20.33			
20	QPSK	50	0	20.31	20.35	20.27			
20	QPSK	50	24	20.20	20.25	20.24	21.5	0	
20	QPSK	50	50	20.34	20.28	20.28			
20	QPSK	100	0	20.03	20.26	20.23			
20	16QAM	1	0	20.15	20.33	20.25	21.5	0	
20	16QAM	1	49	20.16	20.10	20.11			
20	16QAM	1	99	20.20	20.28	20.21			
20	16QAM	50	0	20.25	20.29	20.14	21.5	0	
20	16QAM	50	24	20.16	20.22	20.19			
20	16QAM	50	50	20.21	20.19	20.17			
20	16QAM	100	0	20.08	20.21	20.19	21.5	0	
20	64QAM	1	0	20.22	20.35	20.24			
20	64QAM	1	49	20.18	20.05	20.11			
20	64QAM	1	99	20.22	20.31	20.21	21.5	0	
20	64QAM	50	0	20.21	20.32	20.18			
20	64QAM	50	24	20.11	20.15	20.16			
20	64QAM	50	50	20.29	20.24	20.17	21.5	0	
20	64QAM	100	0	20.04	20.16	20.15			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5	21.5	0	
15	QPSK	1	0	20.17	20.24	20.25			
15	QPSK	1	37	20.11	20.03	20.05	21.5	0	
15	QPSK	1	74	20.21	20.31	20.21			
15	QPSK	36	0	20.19	20.24	20.16	21.5	0	
15	QPSK	36	20	20.16	20.13	20.18			
15	QPSK	36	39	20.30	20.18	20.19			
15	QPSK	75	0	19.94	20.11	20.16	21.5	0	
15	16QAM	1	0	20.05	20.26	20.16			
15	16QAM	1	37	20.06	20.01	20.02	21.5	0	
15	16QAM	1	74	20.10	20.23	20.16			
15	16QAM	36	0	20.15	20.18	20.04	21.5	0	
15	16QAM	36	20	20.08	20.15	20.09			
15	16QAM	36	39	20.13	20.10	20.11			
15	16QAM	75	0	20.04	20.08	20.14	21.5	0	
15	64QAM	1	0	20.10	20.24	20.19			
15	64QAM	1	37	20.07	19.97	19.97	21.5	0	
15	64QAM	1	74	20.08	20.27	20.17			
15	64QAM	36	0	20.08	20.27	20.04	21.5	0	
15	64QAM	36	20	20.05	20.04	20.11			
15	64QAM	36	39	20.15	20.14	20.11			
15	64QAM	75	0	19.91	20.13	20.10	Tune-up limit (dBm)	MPR (dB)	
Channel				37800	38000	38200	21.5	0	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	20.23	20.31	20.27			
10	QPSK	1	25	20.14	20.08	20.05	21.5	0	
10	QPSK	1	49	20.20	20.26	20.20			
10	QPSK	25	0	20.17	20.21	20.13	21.5	0	
10	QPSK	25	12	20.09	20.17	20.16			
10	QPSK	25	25	20.24	20.18	20.16			
10	QPSK	50	0	19.98	20.13	20.09	21.5	0	
10	16QAM	1	0	20.06	20.27	20.20			
10	16QAM	1	25	20.03	20.04	19.97	21.5	0	
10	16QAM	1	49	20.12	20.18	20.17			
10	16QAM	25	0	20.13	20.19	20.08	21.5	0	
10	16QAM	25	12	20.04	20.17	20.04			
10	16QAM	25	25	20.12	20.06	20.13			
10	16QAM	50	0	19.94	20.16	20.15	21.5	0	
10	64QAM	1	0	20.12	20.25	20.11			
10	64QAM	1	25	20.03	19.93	19.99	21.5	0	
10	64QAM	1	49	20.10	20.24	20.09			
10	64QAM	25	0	20.15	20.18	20.04	21.5	0	
10	64QAM	25	12	20.08	20.01	20.08			
10	64QAM	25	25	20.19	20.18	20.04			
10	64QAM	50	0	19.98	20.03	20.03	Tune-up limit (dBm)	MPR (dB)	
Channel				37775	38000	38225	21.5	0	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	20.16	20.24	20.22			
5	QPSK	1	12	20.21	20.00	20.02	21.5	0	
5	QPSK	1	24	20.23	20.23	20.21			
5	QPSK	12	0	20.26	20.26	20.22	21.5	0	
5	QPSK	12	7	20.07	20.16	20.11			
5	QPSK	12	13	20.22	20.22	20.16	21.5	0	
5	QPSK	25	0	19.97	20.12	20.10			
5	16QAM	1	0	20.07	20.28	20.21	21.5	0	
5	16QAM	1	12	20.08	20.00	20.02			
5	16QAM	1	24	20.11	20.17	20.12	21.5	0	
5	16QAM	12	0	20.16	20.24	20.02			
5	16QAM	12	7	20.04	20.13	20.06	21.5	0	
5	16QAM	12	13	20.17	20.15	20.08			
5	16QAM	25	0	20.01	20.11	20.04	21.5	0	
5	64QAM	1	0	20.13	20.30	20.12			
5	64QAM	1	12	20.13	20.01	20.07	21.5	0	
5	64QAM	1	24	20.12	20.21	20.16			
5	64QAM	12	0	20.13	20.17	20.13	21.5	0	
5	64QAM	12	7	20.03	20.08	20.10			
5	64QAM	12	13	20.25	20.20	20.06			
5	64QAM	25	0	19.95	20.11	20.10	Tune-up limit (dBm)	MPR (dB)	

Band 41 Ant1 DSI4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	20.23	20.27	20.43	20.31	20.23	21.5	0
20	QPSK	1	49	20.19	20.29	20.28	20.20	20.18		
20	QPSK	1	99	20.12	20.28	20.31	20.28	20.21		
20	QPSK	50	0	20.22	20.24	20.33	20.20	20.31	21.5	0
20	QPSK	50	24	20.17	20.21	20.28	20.19	20.16		
20	QPSK	50	50	20.30	20.26	20.19	20.13	20.28		
20	QPSK	100	0	20.16	20.26	20.29	20.18	20.24	21.5	0
20	16QAM	1	0	20.17	20.19	20.28	20.22	20.14		
20	16QAM	1	49	20.12	20.21	20.20	20.17	20.10		
20	16QAM	1	99	20.08	20.22	20.21	20.23	20.11	21.5	0
20	16QAM	50	0	20.12	20.14	20.30	20.14	20.21		
20	16QAM	50	24	20.09	20.16	20.22	20.08	20.11		
20	16QAM	50	50	20.24	20.19	20.12	20.02	20.19	21.5	0
20	16QAM	100	0	20.07	20.22	20.20	20.09	20.21		
20	64QAM	1	0	20.15	20.23	20.25	20.28	20.18		
20	64QAM	1	49	20.08	20.24	20.21	20.10	20.12	21.5	0
20	64QAM	1	99	20.03	20.22	20.20	20.20	20.18		
20	64QAM	50	0	20.13	20.17	20.26	20.12	20.27		
20	64QAM	50	24	20.13	20.13	20.18	20.14	20.13	21.5	0
20	64QAM	50	50	20.21	20.13	20.10	20.09	20.20		
20	64QAM	100	0	20.05	20.17	20.21	20.08	20.13		
Channel				39725	40173	40620	41068	41515	Tune-up limit	MPR
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	(dBm)	(dB)
15	QPSK	1	0	20.17	20.16	20.24	20.20	20.17	21.50	0
15	QPSK	1	37	20.15	20.19	20.13	20.14	20.05		
15	QPSK	1	74	20.06	20.21	20.27	20.21	20.13		
15	QPSK	36	0	20.11	20.14	20.18	20.15	20.25	21.5	0
15	QPSK	36	20	20.04	20.15	20.20	20.09	20.09		
15	QPSK	36	39	20.21	20.18	20.16	20.05	20.14		
15	QPSK	75	0	20.04	20.21	20.17	20.08	20.16	21.5	0
15	16QAM	1	0	20.04	20.14	20.20	20.12	20.06		
15	16QAM	1	37	20.04	20.17	20.08	20.07	20.05		
15	16QAM	1	74	19.97	20.15	20.14	20.12	20.00	21.5	0
15	16QAM	36	0	20.02	20.10	20.24	19.99	20.18		
15	16QAM	36	20	19.99	20.12	20.17	19.98	20.04		
15	16QAM	36	39	20.19	20.08	20.01	19.93	20.06	21.5	0
15	16QAM	75	0	19.93	20.08	20.11	20.03	20.10		
15	64QAM	1	0	20.05	20.13	20.13	20.19	20.07		
15	64QAM	1	37	20.02	20.15	20.16	20.07	20.08	21.5	0
15	64QAM	1	74	19.98	20.07	20.12	20.15	20.13		
15	64QAM	36	0	20.00	20.08	20.14	20.07	20.21		
15	64QAM	36	20	20.07	20.07	20.13	20.06	20.03	21.5	0
15	64QAM	36	39	20.07	20.07	20.02	20.04	20.09		
15	64QAM	75	0	20.01	20.05	20.07	19.95	19.99		
Channel				39700	40160	40620	41080	41540	Tune-up limit	MPR
Frequency (MHz)				2501	2547	2593	2639	2685	(dBm)	(dB)
10	QPSK	1	0	20.12	20.12	20.24	20.20	20.20	21.50	0
10	QPSK	1	25	20.06	20.19	20.16	20.16	20.08		
10	QPSK	1	49	20.02	20.15	20.19	20.19	20.15		
10	QPSK	25	0	20.15	20.14	20.20	20.05	20.21	21.5	0
10	QPSK	25	12	20.05	20.09	20.15	20.06	20.06		
10	QPSK	25	25	20.18	20.12	20.14	20.06	20.18		
10	QPSK	50	0	20.12	20.12	20.14	20.07	20.14	21.5	0
10	16QAM	1	0	20.09	20.09	20.14	20.14	20.02		
10	16QAM	1	25	20.01	20.17	20.15	20.07	20.05		
10	16QAM	1	49	19.93	20.16	20.17	20.10	20.03	21.5	0
10	16QAM	25	0	20.04	20.06	20.17	20.03	20.09		
10	16QAM	25	12	19.99	20.03	20.10	19.98	19.99		
10	16QAM	25	25	20.13	20.08	19.97	19.91	20.09	21.5	0
10	16QAM	50	0	19.97	20.08	20.15	19.96	20.11		
10	64QAM	1	0	20.06	20.14	20.11	20.21	20.12		
10	64QAM	1	25	20.04	20.15	20.10	19.96	20.03	21.5	0
10	64QAM	1	49	19.92	20.13	20.08	20.12	20.08		
10	64QAM	25	0	20.10	20.10	20.14	20.02	20.20		
10	64QAM	25	12	20.08	20.02	20.08	20.01	20.07	21.5	0
10	64QAM	25	25	20.18	20.00	20.04	20.01	20.10		
10	64QAM	50	0	19.99	20.05	20.17	20.00	20.02		
Channel				39675	40148	40620	41093	41565	Tune-up limit	MPR
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	(dBm)	(dB)
5	QPSK	1	0	20.15	20.17	20.22	20.26	20.12	21.50	0
5	QPSK	1	12	20.08	20.17	20.20	20.15	20.14		
5	QPSK	1	24	20.08	20.17	20.21	20.25	20.08		
5	QPSK	12	0	20.07	20.20	20.19	20.08	20.16	21.5	0
5	QPSK	12	7	20.04	20.17	20.16	20.05	20.09		
5	QPSK	12	13	20.17	20.17	20.09	20.05	20.20		
5	QPSK	25	0	20.04	20.11	20.23	20.11	20.17	21.5	0
5	16QAM	1	0	20.13	20.10	20.21	20.11	20.05		
5	16QAM	1	12	20.04	20.12	20.13	20.09	19.97		
5	16QAM	1	24	20.03	20.19	20.16	20.12	19.98	21.5	0
5	16QAM	12	0	20.06	20.07	20.23	20.08	20.09		
5	16QAM	12	7	19.96	20.03	20.16	19.95	20.02		
5	16QAM	12	13	20.10	20.08	20.07	19.88	20.09	21.5	0
5	16QAM	25	0	19.94	20.12	20.14	20.02	20.11		
5	64QAM	1	0	20.04	20.17	20.14	20.14	20.09		
5	64QAM	1	12	19.95	20.18	20.17	19.99	20.07	21.5	0
5	64QAM	1	24	19.96	20.12	20.12	20.09	20.14		
5	64QAM	12	0	20.08	20.13	20.13	20.05	20.24		
5	64QAM	12	7	19.98	20.03	20.09	20.05	20.03	21.5	0
5	64QAM	12	13	20.08	20.07	20.01	19.95	20.14		
5	64QAM	25	0	19.91	20.09	20.08	19.98	20.07		

GSM850 Ant4 DS4							
GSM850	Burst-Average Power (dBm)			Tune-up	Frame-Average Power (dBm)		
TX Channel	128	189	251	Limit	128	189	251
Frequency (MHz)	824.2	836.4	848.8	(dBm)	824.2	836.4	848.8
GSM 1 Tx slot	32.54	32.26	32.08	33.00	23.54	23.26	23.08
GPRS 1 Tx slot	32.42	32.14	32.23	33.00	23.42	23.14	23.23
GPRS 2 Tx slots	29.88	29.96	30.03	30.50	23.88	23.96	24.03
GPRS 3 Tx slots	28.98	28.87	28.92	29.00	24.72	24.61	24.66
GPRS 4 Tx slots	26.63	26.65	26.77	27.50	23.63	23.65	23.77
EDGE 1 Tx slot	27.72	27.67	27.47	28.00	18.72	18.67	18.47
EDGE 2 Tx slots	25.00	24.88	24.83	25.00	15.00	14.88	14.83
EDGE 3 Tx slots	22.65	22.62	22.54	23.50	13.39	13.36	13.28
EDGE 4 Tx slots	21.21	21.34	21.41	22.00	12.21	12.34	12.41

		GSM1900 Ant4 DS4						
GSM1900	Burst Average Power (dBm)			Tune-up	Frame-Average Power (dBm)			Tune-up
TX Channel	512	661	810	Limit	512	661	810	Limit
Frequency (MHz)	1850.2	1880	1909.8	(dBm)	1850.2	1880	1909.8	(dBm)
GSM 1 Tx slot	27.60	27.72	27.59	28.50	18.60	18.72	18.59	19.50
GPRS 1 Tx slot	27.62	27.55	27.78	28.50	18.62	18.55	18.78	19.50
GPRS 2 Tx slots	24.01	24.00	23.85	25.50	15.01	15.00	14.85	19.50
GPRS 3 Tx slots	22.59	22.58	22.53	24.00	13.33	13.32	13.27	19.74
GPRS 4 Tx slots	21.43	21.53	21.35	22.50	12.43	12.53	12.35	19.50
EDGE 1 Tx slot	24.43	24.40	24.52	25.50	15.43	15.40	15.52	19.50
EDGE 2 Tx slots	21.65	21.53	21.55	22.50	15.65	15.53	15.55	19.50
EDGE 3 Tx slots	20.00	20.24	20.22	21.00	15.74	15.98	15.96	16.74
EDGE 4 Tx slots	18.86	18.84	18.85	19.50	15.86	15.84	15.85	16.50

WCDMA II Ant4 DS4					WCDMA IV Ant4 DS4				WCDMA V Ant4 Default/DS4				
Band	WCDMA II			Tune-up	WCDMA IV			Tune-up	WCDMA V			Tune-up	
TX Channel	9262	9400	9538	Limit	1312	1413	1513	Limit	4132	4182	4233	Limit	
Rx Channel	9662	9800	9938	(dBm)	1637	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	19.69	19.56	19.72	20.50	19.13	19.18	19.12	20.00	25.04	25.21	25.06	25.50
3GPP Rel 99	RMC 12.2kbps	19.58	19.76	19.68	20.50	19.17	19.22	19.18	20.00	25.27	25.35	25.32	25.50
3GPP Rel 6	HSDPA Subtest-1	18.80	18.58	18.55	19.50	18.18	18.13	17.83	19.00	24.18	24.29	24.12	24.50
3GPP Rel 6	HSDPA Subtest-2	18.59	18.55	18.67	19.50	18.06	17.99	17.98	19.00	24.18	24.17	24.28	24.50
3GPP Rel 6	HSDPA Subtest-3	18.32	18.04	18.27	19.00	17.64	17.49	17.47	18.50	23.88	23.69	23.82	24.00
3GPP Rel 6	HSDPA Subtest-4	18.30	18.46	18.32	19.00	17.46	17.54	17.46	18.50	23.86	23.50	23.63	24.00
3GPP Rel 8	DC-HSDPA Subtest-1	18.60	18.70	18.72	19.50	18.32	18.33	18.30	19.00	24.19	24.26	24.22	24.50
3GPP Rel 8	DC-HSDPA Subtest-2	18.48	18.70	18.81	19.50	18.08	18.09	18.12	19.00	24.16	24.03	24.23	24.50
3GPP Rel 8	DC-HSDPA Subtest-3	18.21	18.40	18.21	19.00	17.61	17.55	17.48	18.50	23.58	23.78	23.73	24.00
3GPP Rel 8	DC-HSDPA Subtest-4	18.16	18.49	18.37	19.00	17.44	17.48	17.57	18.50	23.65	23.55	23.80	24.00
3GPP Rel 6	HSUPA Subtest-1	18.66	18.84	18.54	19.50	18.12	17.82	17.79	19.00	24.27	24.24	24.23	24.50
3GPP Rel 6	HSUPA Subtest-2	16.64	16.76	16.96	17.50	16.12	16.07	16.10	17.00	22.10	22.08	22.18	22.50
3GPP Rel 6	HSUPA Subtest-3	17.66	17.91	17.56	18.50	17.00	16.96	16.88	18.00	23.29	23.25	23.24	23.50
3GPP Rel 6	HSUPA Subtest-4	16.78	16.88	16.84	17.50	16.15	16.10	16.01	17.00	22.36	22.35	22.23	22.50
3GPP Rel 6	HSUPA Subtest-5	18.62	18.86	18.59	19.50	17.92	18.26	18.16	19.00	23.98	24.23	24.32	24.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	16.06	16.25	16.29	17.00	15.48	15.52	15.57	16.50	21.67	21.74	21.76	22.00

Band 7 Ant4 DS14

BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)			
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.					
Channel				20850	21100	21350	19.5	0			
Frequency (MHz)				2510	2535	2560					
20	QPSK	1	0	18.41	18.49	18.47	19.5	0			
20	QPSK	1	49	18.40	18.44	18.41					
20	QPSK	1	99	18.40	18.32	18.34					
20	QPSK	50	0	18.35	18.45	18.33	19.5	0			
20	QPSK	50	24	18.21	18.30	18.15					
20	QPSK	50	50	18.15	18.25	18.33					
20	QPSK	100	0	18.28	18.31	18.22	19.5	0			
20	16QAM	1	0	18.40	18.45	18.41					
20	16QAM	1	49	18.36	18.30	18.37					
20	16QAM	1	99	18.25	18.34	18.36	19.5	0			
20	16QAM	50	0	18.25	18.42	18.29					
20	16QAM	50	24	18.13	18.16	18.07					
20	16QAM	50	50	18.21	18.21	18.24	19.5	0			
20	16QAM	100	0	18.31	18.42	18.19					
20	64QAM	1	0	18.39	18.48	18.48					
20	64QAM	1	49	18.41	18.33	18.34	19.5	0			
20	64QAM	1	99	18.31	18.30	18.22					
20	64QAM	50	0	18.31	18.42	18.31					
20	64QAM	50	24	18.15	18.20	18.06	19.5	0			
20	64QAM	50	50	18.09	18.28	18.28					
20	64QAM	100	0	18.25	18.41	18.23					
Channel				20825	21100	21375	19.5	0			
Frequency (MHz)				2507.5	2535	2562.5					
15	QPSK	1	0	18.16	18.14	18.23	19.5	0			
15	QPSK	1	37	18.12	18.10	18.09					
15	QPSK	1	74	18.10	17.98	18.09					
15	QPSK	36	0	18.07	18.18	18.09	19.5	0			
15	QPSK	36	20	17.99	18.05	17.95					
15	QPSK	36	39	17.86	17.89	18.02					
15	QPSK	75	0	17.92	17.98	17.96	19.5	0			
15	16QAM	1	0	18.06	18.21	18.19					
15	16QAM	1	37	18.06	17.93	18.12					
15	16QAM	1	74	18.01	18.05	18.05	19.5	0			
15	16QAM	36	0	17.95	18.05	18.06					
15	16QAM	36	20	17.84	17.88	17.74					
15	16QAM	36	39	17.88	17.85	17.88	19.5	0			
15	16QAM	75	0	18.05	18.12	17.91					
15	16QAM	1	0	18.10	18.20	18.24					
15	64QAM	1	37	18.15	17.96	18.02	19.5	0			
15	64QAM	1	74	18.07	18.08	17.87					
15	64QAM	36	0	17.94	18.07	18.07					
15	64QAM	36	20	17.80	17.85	17.75	19.5	0			
15	64QAM	36	39	17.86	17.86	18.02					
15	64QAM	75	0	17.90	18.05	17.89					
Channel				20900	21100	21400	19.5	0			
Frequency (MHz)				2505	2535	2565					
10	QPSK	1	0	18.09	18.20	18.11	19.5	0			
10	QPSK	1	25	18.12	18.20	18.12					
10	QPSK	1	49	18.10	18.04	17.96					
10	QPSK	25	0	18.02	18.14	18.04	19.5	0			
10	QPSK	25	12	17.93	18.03	17.89					
10	QPSK	25	25	17.89	17.93	17.97					
10	QPSK	50	0	18.00	17.99	17.92	19.5	0			
10	16QAM	1	0	18.15	18.25	18.15					
10	16QAM	1	25	18.03	17.96	18.14					
10	16QAM	1	49	17.93	18.05	18.00	19.5	0			
10	16QAM	25	0	17.96	18.18	18.05					
10	16QAM	25	12	17.77	17.82	17.94					
10	16QAM	25	25	17.94	17.97	17.91	19.5	0			
10	16QAM	50	0	18.02	18.13	17.84					
10	64QAM	1	0	18.08	18.19	18.16					
10	64QAM	1	25	18.13	18.04	18.07	19.5	0			
10	64QAM	1	49	18.08	17.99	17.97					
10	64QAM	25	0	17.97	18.05	18.00					
10	64QAM	25	12	17.84	17.90	17.75	19.5	0			
10	64QAM	25	25	17.82	18.03	17.99					
10	64QAM	50	0	17.92	18.15	17.90					
Channel				20775	21100	21425	19.5	0			
Frequency (MHz)				2502.5	2535	2567.5					
5	QPSK	1	0	18.14	18.21	18.20	19.5	0			
5	QPSK	1	12	18.03	18.19	18.13					
5	QPSK	1	24	18.12	18.00	18.09					
5	QPSK	12	0	18.05	18.08	17.97	19.5	0			
5	QPSK	12	7	17.90	17.94	17.81					
5	QPSK	12	13	17.82	17.95	18.06					
5	QPSK	25	0	17.95	17.95	17.89	19.5	0			
5	16QAM	1	0	18.13	18.17	18.10					
5	16QAM	1	12	17.99	17.96	18.07					
5	16QAM	1	24	17.91	18.07	18.12	19.5	0			
5	16QAM	12	0	17.97	18.19	18.06					
5	16QAM	12	7	17.90	17.94	17.77					
5	16QAM	12	13	17.85	17.95	17.99	19.5	0			
5	16QAM	25	0	18.01	18.17	17.93					
5	64QAM	1	0	18.08	18.17	18.12					
5	64QAM	1	12	18.06	18.05	18.00	19.5	0			
5	64QAM	1	24	17.96	17.94	17.98					
5	64QAM	12	0	18.02	18.16	17.99					
5	64QAM	12	7	17.92	17.89	17.79	19.5	0			
5	64QAM	12	13	17.73	18.05	18.03					
5	64QAM	25	0	17.92	18.11	17.96					

Band 12 Ant4 Default/DS14

BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)			
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.					
Channel				23060	23095	23155	25.5	0			
Frequency (MHz)				704	707.5	711					
10	QPSK	1	0	25.07	25.27	25.10	25.5	0			
10	QPSK	1	25	25.04	25.15	25.14					
10	QPSK	1	49	25.00	25.07	25.04					
10	QPSK	25	0	24.07	24.27	24.09	24.5	1			
10	QPSK	25	12	24.06	24.21	24.04					
10	QPSK	25	25	24.23	24.22	23.99					
10	QPSK	50	0	24.10	24.16	24.15	24.5	1			
10	16QAM	1	0	24.18	24.25	24.36					
10	16QAM	1	25	24.39	24.48	24.28					
10	16QAM	1	49	24.42	24.33	24.22	23.5	2			
10	16QAM	25	0	23.10	23.01	23.27					
10	16QAM	25	12	23.20	23.29	23.17					
10	16QAM	25	25	23.29	23.13	23.16	23.5	2			
10	16QAM	50	0	23.18	23.05	23.22					
10	64QAM	1	0	23.20	23.04	23.17					
10	64QAM	1	25	23.12	23.02	23.38	23.5	2			
10	64QAM	1	49	23.33	23.15	23.15					
10	64QAM	25	0	22.04	23.11	22.05					
10	64QAM	25	12	22.12	22.18	22.11	22.5	3			
10	64QAM	25	25	22.28	22.09	22.19					
10	64QAM	50	0	22.01	22.18	21.98					
Channel				23035	23095	23155	25.5	0			
Frequency (MHz)				701.5	707.5	713.5					
5	QPSK	1	0	25.03	25.15	25.05	25.5	0			
5	QPSK	1	12	24.82	25.13	24.92					
5	QPSK	1	24	24.95	24.85	25.05					
5	QPSK	12	0	23.86	24.19	23.98	24.5	1			
5	QPSK	12	7	23.92	24.02	24.01					
5	QPSK	12	13	24.11	24.14	23.84					
5	QPSK	25	0	24.08	23.98	24.07	24.5	1			
5	16QAM	1	0	24.10	24.22	24.14					
5	16QAM	1	12	24.25	24.20	24.15					
5	16QAM	1	24	24.39	24.34	24.17	23.5	2			
5	16QAM	12	0	22.97	22.85	23.14					
5	16QAM	12	7	23.16	23.15	23.04					
5	16QAM	12	13	23.29	22.98	23.09	23.5	2			
5	16QAM	25	0	22.96	22.92	23.15					
5	64QAM	1	0	23.13	22.86	23.08					
5	64QAM	1	12	22.96	22.93	23.21	23.5	2			
5	64QAM	1	24	23.22	23.14	23.18					
5	64QAM	12	0	21.92	21.98	21.92					
5	64QAM	12	7	21.94	22.06	22.09	22.5	3			
5											



Band 17 Ant4 Default/DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
709 710 711									
10	QPSK	1	0	25.19	25.26	25.13			
10	QPSK	1	25	25.20	25.22	25.15	25.5	0	
10	QPSK	1	49	25.12	25.03	25.05			
10	QPSK	25	0	24.20	24.34	24.12			
10	QPSK	25	12	24.15	24.21	24.23	24.5	1	
10	QPSK	25	25	24.23	24.24	24.23			
10	QPSK	50	0	24.15	24.27	24.24			
10	16QAM	1	0	24.35	24.25	24.32			
10	16QAM	1	25	24.10	24.21	24.22	24.5	1	
10	16QAM	1	49	24.30	24.31	24.08			
10	16QAM	25	0	23.29	23.13	23.31			
10	16QAM	25	12	23.25	23.09	23.25	23.5	2	
10	16QAM	25	25	23.25	23.26	23.10			
10	16QAM	50	0	23.26	23.28	23.17			
10	64QAM	1	0	23.23	23.30	23.24			
10	64QAM	1	25	23.47	23.40	23.40	23.5	2	
10	64QAM	1	49	23.27	23.27	23.40			
10	64QAM	25	0	22.17	22.21	22.12			
10	64QAM	25	12	22.25	22.33	22.29	22.5	3	
10	64QAM	25	25	22.11	22.19	22.10			
10	64QAM	50	0	22.07	22.15	22.14			
Channel									
23759 23760 23800									
5	QPSK	1	0	24.99	25.13	25.00			
5	QPSK	1	12	25.14	25.18	25.03	25.5	0	
5	QPSK	1	24	24.93	24.86	25.05			
5	QPSK	12	0	24.08	24.01	24.04			
5	QPSK	12	7	24.02	24.36	24.07	24.5	1	
5	QPSK	12	13	24.02	24.30	24.07			
5	QPSK	25	0	24.07	23.96	24.07			
5	16QAM	1	0	24.49	24.37	24.28			
5	16QAM	1	12	24.35	24.34	24.38	24.5	1	
5	16QAM	1	24	24.35	24.27	24.24			
5	16QAM	12	0	23.31	22.99	23.10			
5	16QAM	12	7	23.09	22.89	23.22	23.5	2	
5	16QAM	12	13	23.17	23.24	23.04			
5	16QAM	25	0	23.15	23.10	22.96			
5	64QAM	1	0	23.08	23.19	23.19			
5	64QAM	1	12	23.28	23.31	23.21	23.5	2	
5	64QAM	1	24	23.23	23.31	23.27			
5	64QAM	12	0	22.18	22.13	22.12			
5	64QAM	12	7	22.16	22.34	22.12	22.5	3	
5	64QAM	12	13	21.96	22.20	22.04			
5	64QAM	25	0	22.07	22.02	22.00			

Band 26 Ant4 Default/DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
821.5 831.5 841.5									
15	QPSK	1	0	25.23	25.34	25.11			
15	QPSK	1	37	25.19	25.29	25.20	25.5	0	
15	QPSK	1	74	25.11	25.18	25.08			
15	QPSK	36	0	24.32	24.39	24.16			
15	QPSK	36	20	24.36	24.24	24.30	24.5	1	
15	QPSK	36	39	24.37	24.21	24.13			
15	QPSK	75	0	24.19	24.28	24.18			
15	16QAM	1	0	24.35	24.25	24.32			
15	16QAM	1	37	24.10	24.21	24.22	24.5	1	
15	16QAM	1	74	24.30	24.31	24.08			
15	16QAM	36	0	23.32	23.30	23.31			
15	16QAM	36	20	23.46	23.26	23.39	23.5	2	
15	16QAM	36	39	23.29	23.24	23.30			
15	16QAM	75	0	23.30	23.40	23.26			
15	64QAM	1	0	23.28	23.37	23.14			
15	64QAM	1	37	23.01	23.24	23.18	23.5	2	
15	64QAM	1	74	23.20	23.29	23.09			
15	64QAM	36	0	22.30	22.29	22.14			
15	64QAM	36	20	22.24	22.19	22.25	22.5	3	
15	64QAM	36	39	22.36	22.30	22.13			
15	64QAM	75	0	22.00	22.26	22.14			
Channel									
26740 26865 26990									
10	QPSK	1	0	25.09	25.22	25.07			
10	QPSK	1	25	25.08	25.17	25.00	25.5	0	
10	QPSK	1	49	25.01	25.01	25.06			
10	QPSK	25	0	24.23	24.18	24.12			
10	QPSK	25	12	24.33	24.07	24.27	24.5	1	
10	QPSK	25	25	24.21	24.15	24.08			
10	QPSK	50	0	24.09	24.02	24.13			
10	16QAM	1	0	24.26	24.35	24.33			
10	16QAM	1	25	24.05	24.23	24.19	24.5	1	
10	16QAM	1	49	24.24	24.25	23.96			
10	16QAM	25	0	23.28	23.30	23.25			
10	16QAM	25	12	23.41	23.12	23.39	23.5	2	
10	16QAM	25	25	23.18	23.17	23.20			
10	16QAM	50	0	23.26	23.26	23.20			
10	64QAM	1	0	23.14	23.22	23.00			
10	64QAM	1	25	22.80	23.05	23.11	23.5	2	
10	64QAM	1	49	23.17	23.18	22.97			
10	64QAM	25	0	22.21	22.22	22.13			
10	64QAM	25	12	22.09	22.04	22.10	22.5	3	
10	64QAM	25	25	22.15	22.09	21.91			
10	64QAM	50	0	21.93	22.20	21.93			
Channel									
26715 26865 27015									
5	QPSK	1	0	25.19	25.31	24.93			
5	QPSK	1	12	25.10	25.10	25.01	25.5	0	
5	QPSK	1	24	24.93	25.20	24.87			
5	QPSK	12	0	24.13	24.29	23.95			
5	QPSK	12	7	24.33	24.26	24.22	24.5	1	
5	QPSK	12	13	24.27	24.07	24.07			
5	QPSK	25	0	23.98	24.06	24.01			
5	16QAM	1	0	24.28	24.16	24.17			
5	16QAM	1	12	24.07	24.20	24.17	24.5	1	
5	16QAM	1	24	24.11	24.14	24.05			
5	16QAM	12	0	23.20	23.31	23.22			
5	16QAM	12	7	23.44	23.26	23.34	23.5	2	
5	16QAM	12	13	23.21	23.09	23.29			
5	16QAM	25	0	23.17	23.33	23.22			
5	64QAM	1	0	23.10	23.16	23.06	23.5	2	
5	64QAM	1	12	22.92	23.19	22.98			
5	64QAM	1	24	23.13	23.36	22.94			
5	64QAM	12	0	22.13	22.15	21.94			
5	64QAM	12	7	22.21	21.97	22.24	22.5	3	
5	64QAM	12	13	22.21	22.31	22.15			
5	64QAM	25	0	21.98	22.06	21.99			
Channel									
26705 26865 27025									
3	QPSK	1	0	25.23	25.22	24.90			
3	QPSK	1	8	25.07	25.23	25.12	25.5	0	
3	QPSK	1	14	25.06	25.16	25.01			
3	QPSK	8	0	24.18	24.28	24.00			
3	QPSK	8	4	24.37	24.05	24.35	24.5	1	
3	QPSK	8	7	24.26	24.05	23.91			
3	QPSK	15	0	24.15	24.24	24.15			
3	16QAM	1	0	24.31	24.07	24.32	24.5	1	
3	16QAM	1	8	23.97	24.22	24.23			
3	16QAM	1	14	24.25	24.18	24.05			
3	16QAM	8	0	23.34	23.30	23.11			
3	16QAM	8	4	23.47	23.10	23.21	23.5	2	
3	16QAM	8	7	23.21	23.04	23.12			
3	16QAM	15	0	23.15	23.21	23.22			
3	64QAM	1	0	23.19	23.33	22.97			
3	64QAM	1	8	22.87	23.21	23.08	23.5	2	
3	64QAM	1	14	23.13	23.30	22.91			
3	64QAM	8	0	22.15	22.30	22.08			
3	64QAM	8	4	22.23	22.19	22.04	22.5	3	
3	64QAM	8	7	22.17	22.27	21.92			
3	64QAM	15	0	21.80	22.23	21.98			
Channel									
26907 26865 27033									
1.4	QPSK	1	0	25.09	25.17	25.07			
1.4	QPSK	1	3	25.00	25.17	25.01	25.5	0	
1.4	QPSK	1	5	25.11	24.97	24.90			
1.4	QPSK	3	0	25.03	25.23	24.98			
1.4	QPSK	3	1	24.92	25.16	24.95			
1.4	QPSK	3	3	24.81	25.01	24.93	24.5	1	
1.4	QPSK	6	0	24.23	24.26	23.96			
1.4	16QAM	1	0	24.26	24.06	24.34			
1.4	16QAM	1	3	24.30	24.03	23.98			
1.4	16QAM	1	5						

Band 38 Ant4 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	20.43	20.47	20.38	21.5	0	
20	QPSK	1	49	20.41	20.40	20.31			
20	QPSK	1	99	20.26	20.44	20.34			
20	QPSK	50	0	20.37	20.42	20.34	21.5	0	
20	QPSK	50	24	20.24	20.27	20.24			
20	QPSK	50	50	20.23	20.40	20.34			
20	QPSK	100	0	20.24	20.40	20.38	21.5	0	
20	16QAM	1	0	20.37	20.39	20.40			
20	16QAM	1	49	20.35	20.35	20.41			
20	16QAM	1	99	20.21	20.38	20.24	21.5	0	
20	16QAM	50	0	20.36	20.42	20.30			
20	16QAM	50	24	20.27	20.27	20.17			
20	16QAM	50	50	20.10	20.32	20.20	21.5	0	
20	16QAM	100	0	20.20	20.33	20.21			
20	64QAM	1	0	20.31	20.34	20.28			
20	64QAM	1	49	20.26	20.41	20.30	21.5	0	
20	64QAM	1	99	20.23	20.32	20.35			
20	64QAM	50	0	20.18	20.40	20.20			
20	64QAM	50	24	20.22	20.31	20.34	21.5	0	
20	64QAM	50	50	20.24	20.39	20.44			
20	64QAM	100	0	20.26	20.37	20.25			
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	20.07	20.18	20.01	21.5	0	
15	QPSK	1	37	20.18	20.12	20.00			
15	QPSK	1	74	19.95	20.18	20.09			
15	QPSK	36	0	20.01	20.09	20.08	21.5	0	
15	QPSK	36	20	19.92	20.00	19.99			
15	QPSK	36	39	19.90	20.10	20.02			
15	QPSK	75	0	19.90	20.14	20.05	21.5	0	
15	16QAM	1	0	20.09	20.15	20.11			
15	16QAM	1	37	20.03	20.01	20.04			
15	16QAM	1	74	19.86	20.05	20.00	21.5	0	
15	16QAM	36	0	20.12	20.09	19.99			
15	16QAM	36	20	20.00	19.98	19.87			
15	16QAM	36	39	19.85	20.02	19.93	21.5	0	
15	16QAM	75	0	19.93	20.08	19.93			
15	64QAM	1	0	20.06	20.07	20.01			
15	64QAM	1	37	19.90	20.09	19.99	21.5	0	
15	64QAM	1	74	19.91	20.01	20.09			
15	64QAM	36	0	19.94	20.05	19.91			
15	64QAM	36	20	19.87	19.95	19.98	21.5	0	
15	64QAM	36	39	19.96	20.15	20.12			
15	64QAM	75	0	19.89	20.14	19.93			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	20.20	20.18	20.04	21.5	0	
10	QPSK	1	25	20.12	20.10	20.01			
10	QPSK	1	49	20.03	20.16	20.09			
10	QPSK	25	0	20.02	20.17	19.98	21.5	0	
10	QPSK	25	12	19.89	20.03	20.00			
10	QPSK	25	25	19.94	20.04	20.11			
10	QPSK	50	0	19.94	20.16	20.13	21.5	0	
10	16QAM	1	0	20.07	20.04	20.07			
10	16QAM	1	25	20.07	20.08	20.16			
10	16QAM	1	49	19.86	20.13	19.92	21.5	0	
10	16QAM	25	0	20.07	20.13	19.99			
10	16QAM	25	12	20.02	19.98	19.92			
10	16QAM	25	25	19.85	20.00	19.90	21.5	0	
10	16QAM	50	0	19.92	19.97	19.88			
10	64QAM	1	0	20.06	20.06	20.05			
10	64QAM	1	25	19.96	20.17	20.00	21.5	0	
10	64QAM	1	49	19.90	19.98	20.01			
10	64QAM	25	0	19.81	20.16	19.84			
10	64QAM	25	12	19.94	20.07	20.07	21.5	0	
10	64QAM	25	25	19.91	20.16	20.17			
10	64QAM	50	0	19.99	20.01	19.98			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	20.16	20.17	20.04	21.5	0	
5	QPSK	1	12	20.17	20.09	20.00			
5	QPSK	1	24	19.96	20.09	20.06			
5	QPSK	12	0	20.06	20.06	20.02	21.5	0	
5	QPSK	12	7	19.87	19.96	19.88			
5	QPSK	12	13	19.97	20.14	20.09			
5	QPSK	25	0	19.90	20.11	20.15	21.5	0	
5	16QAM	1	0	20.05	20.07	20.16			
5	16QAM	1	12	20.08	20.07	20.14			
5	16QAM	1	24	19.85	20.04	20.00	21.5	0	
5	16QAM	12	0	20.03	20.18	20.02			
5	16QAM	12	7	19.99	19.99	19.93			
5	16QAM	12	13	19.80	20.00	19.96	21.5	0	
5	16QAM	25	0	19.85	19.97	19.85			
5	64QAM	1	0	19.95	19.99	20.03			
5	64QAM	1	12	20.03	20.12	20.01	21.5	0	
5	64QAM	1	24	19.96	19.98	20.00			
5	64QAM	12	0	19.94	20.09	19.96			
5	64QAM	12	7	19.94	20.05	20.10	21.5	0	
5	64QAM	12	13	19.91	20.06	20.17			
5	64QAM	25	0	19.98	20.04	19.93			

Band 41 Ant4 DSI4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	20.43	20.36	20.51	20.44	20.39	21.5	0
20	QPSK	1	49	20.39	20.45	20.31	20.50	20.44		
20	QPSK	1	99	20.25	20.29	20.20	20.29	20.27		
20	QPSK	50	0	20.20	20.43	20.45	20.43	20.38	21.5	0
20	QPSK	50	24	20.23	20.27	20.24	20.25	20.35		
20	QPSK	50	50	20.20	20.33	20.35	20.17	20.26		
20	QPSK	100	0	20.37	20.36	20.41	20.36	20.33	21.5	0
20	16QAM	1	0	20.31	20.27	20.45	20.40	20.38		
20	16QAM	1	49	20.38	20.35	20.24	20.45	20.23		
20	16QAM	1	99	20.18	20.25	20.21	20.20	20.29	21.5	0
20	16QAM	50	0	20.15	20.41	20.42	20.26	20.25		
20	16QAM	50	24	20.18	20.22	20.14	20.08	20.29		
20	16QAM	50	50	20.13	20.30	20.27	20.14	20.16	21.5	0
20	16QAM	100	0	20.24	20.31	20.38	20.36	20.31		
20	64QAM	1	0	20.36	20.21	20.46	20.44	20.34		
20	64QAM	1	49	20.31	20.34	20.28	20.42	20.31	21.5	0
20	64QAM	1	99	20.21	20.19	20.15	20.26	20.23		
20	64QAM	50	0	20.21	20.40	20.45	20.43	20.24		
20	64QAM	50	24	20.19	20.28	20.26	20.22	20.42	21.5	0
20	64QAM	50	50	20.23	20.29	20.32	20.22	20.19		
20	64QAM	100	0	20.27	20.41	20.37	20.49	20.37		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2692.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	20.12	20.04	20.20	20.07	20.15	21.50	0
15	QPSK	1	37	20.08	20.13	20.04	20.23	20.18		
15	QPSK	1	74	20.00	20.03	19.93	20.01	19.		

Ant 1 Full Power		DS11&2		CA 7c					
Combination 20MHz+20MHz (1RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
20850	21048	QPSK	0	0	1	99	24.27	25.50	
21100	21298	QPSK	0	0	1	99	24.30	25.50	
21350	21152	QPSK	0	0	1	99	24.29	25.50	

Ant 4 Full Power		DS12&3		CA_7c					
Combination 20MHz+20MHz (1RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
20850	21048	QPSK	0	0	1	99	24.22	25.50	
21100	21298	QPSK	1	0	1	99	24.35	25.50	
21350	21152	QPSK	1	0	1	99	24.32	25.50	

Uplink CA Power								
Ant 1 Full Power			DS1&2					
CA_38C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	0	0	1	99	24.28	25.50
38000	38198	QPSK	1	0	1	99	24.39	25.50
38150	37952	QPSK	1	0	1	99	24.30	25.50

Ant 4 Full Power		DS12x3		CA_38C					
Combination 20MHzx20MHz (1RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
37850	38048	QPSK	0	0	1	99	24.52	25.50	
38000	38198	QPSK	1	0	1	99	24.55	25.50	
38150	38348	QPSK	1	0	1	99	24.21	25.50	

Ant 1 Full Power		DS1		CA 4A 7A					
Combination 20MHz+20MHz (1RB+99RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
20050	20850	QPSK	0	0	1	0	23.86	25.00	
20175	21100	QPSK	0	0	1	24	24.15	25.00	
20300	21350	QPSK	0	0	1	24	23.92	25.00	

Ant 4 Full Power		DS12x3						
CA_4A_7A								
Combination 20MHz+20MHz (1RB+99RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20050	20850	QPSK	0	0	1	24	24.08	25.00
20175	21100	QPSK	0	0	1	24	24.26	25.00
20300	21350	QPSK	0	0	1	24	24.05	25.00

Ant 1 Down Power		DS1384						
CA_7c								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	0	0	1	99	18.27	19.50
21100	21298	QPSK	0	0	1	99	18.34	19.50
21350	21152	QPSK	0	0	1	99	18.22	19.50

Ant 1 Down Power		DS13&4		CA_38C				
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dbm)	Tune up Power (dbm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	0	0	1	99	20.31	21.50
38000	38198	QPSK	1	0	1	99	20.33	21.50
38150	37952	QPSK	1	0	1	99	20.18	21.50

Ant 1 Down Power		DS12						
CA_4A_7A								
Combination 20MHz+20MHz (1RB+99RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20050	20850	QPSK	0	0	1	0	22.41	23.50
20175	21100	QPSK	0	0	1	24	22.57	23.50
20300	21350	QPSK	0	0	1	24	22.50	23.50

Ant 4 Down Power		DS11&4						
CA_7c								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	0	0	1	99	18.29	19.50
21100	21298	QPSK	0	0	1	99	18.43	19.50
21350	21152	QPSK	0	0	1	99	18.36	19.50

Ant 4 Down Power		DSII&4		CA_38C					
Combination 20MHz+20MHz (1RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
37850	38048	QPSK	0	0	1	99	20.39	21.50	
38000	38198	QPSK	1	0	1	99	20.49	21.50	
38150	38348	QPSK	1	0	1	99	20.15	21.50	

Ant 1 Down Power		DS13&4						
CA_4A_7A								
Combination 20MHz+20MHz (1RB+99RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20050	20850	QPSK	0	0	1	0	19.55	20.50
20175	21100	QPSK	0	0	1	24	19.60	20.50
20300	21350	QPSK	0	0	1	24	19.52	20.50

Ant 4 Down Power		DS11		CA_4A_7A					
Combination 20MHz+20MHz (1RB+99RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
20060	20850	QPSK	0	0	1	0	21.06	22.00	
20175	21100	QPSK	0	0	1	24	21.31	22.00	
20300	21350	QPSK	0	0	1	24	21.07	22.00	

Ant 4 Down Power		DSi4						
CA_4A_7A								
Combination 20MHz+20MHz (1RB+99RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20050	20850	QPSK	0	0	1	0	19.14	20.00
20175	21100	QPSK	0	0	1	24	19.31	20.00
20300	21350	QPSK	0	0	1	24	19.26	20.00

2CA DL

Configure	PCC										DL Antenna Configuration	SCC				DL Antenna Configuration	Power										
	LTE	Ant	BW		UL	UL#	UL	Mod.	RB	Offset		LTE	BW	DL	DL		With CA	Without CA									
	Band		Freq. (MHz)	Channel								Band	Freq. (MHz)	Channel			Tx. Power (dBm)	Tx. Power (dBm)									
CA_2C	Band 2	Ant1	20M	1880	18800	QPSK	1	0				Band 2	20M	1979.8	1098		24.26	24.36									
	Band 2	Ant4	20M	1880	18800	QPSK	1	0				Band 2	20M	1979.8	1098		24.22	24.42									
CA_2A-4A	Band 2	Ant1	20M	1880	18800	QPSK	1	0				Band 4	20M	2132.5	2175		24.18	24.36									
	Band 2	Ant4	20M	1880	18800	QPSK	1	0				Band 4	20M	2132.5	2175		24.19	24.42									
	Band 4	Ant1	20M	2132.5	20175	QPSK	1	0				Band 2	20M	1980	900		24.01	24.16									
	Band 4	Ant4	20M	2132.5	20175	QPSK	1	0				Band 2	20M	1980	900		24.10	24.25									
CA_2A_5A	Band 2	Ant1	20M	1880	18800	QPSK	1	0				Band 5	10M	881.5	2525		24.30	24.36									
	Band 2	Ant4	20M	1880	18800	QPSK	1	0				Band 5	10M	881.5	2525		24.39	24.42									
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0				Band 2	20M	1980	900		24.67	24.62									
	Band 5	Ant4	10M	836.5	20525	QPSK	1	0				Band 2	20M	1980	900		25.36	25.32									
CA_2A-7A	Band 2	Ant1	20M	1880	18800	QPSK	1	0				Band 7	20M	2655	3100	4xMIMO	24.22	24.36									
	Band 2	Ant4	20M	1880	18800	QPSK	1	0				Band 7	20M	2655	3100	4xMIMO	24.37	24.42									
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4xMIMO			Band 2	20M	1980	900		24.45	24.43									
	Band 7	Ant4	20M	2535	21100	QPSK	1	0	4xMIMO			Band 2	20M	1980	900		24.17	24.40									
CA_2A_6A	Band 2	Ant1	20M	1880	18800	QPSK	1	0				Band 66	20M	2145	66786		24.13	24.36									
	Band 2	Ant4	20M	1880	18800	QPSK	1	0				Band 66	20M	2145	66786		24.44	24.42									
	Band 66	Ant1	20M	1745	132322	QPSK	1	0				Band 2	20M	1980	900		24.18	24.25									
	Band 66	Ant4	20M	1745	132322	QPSK	1	0				Band 2	20M	1980	900		24.09	24.28									
CA_4A-5A	Band 4	Ant1	20M	2132.5	20175	QPSK	1	0				Band 5	10M	881.5	2525		24.04	24.16									
	Band 4	Ant4	20M	2132.5	20175	QPSK	1	0				Band 5	10M	881.5	2525		24.26	24.25									
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0				Band 4	20M	2132.5	2175		24.40	24.62									
	Band 5	Ant4	10M	836.5	20525	QPSK	1	0				Band 4	20M	2132.5	2175		25.28	25.32									
CA_4A-7A	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0				Band 7	20M	2655	3100	4xMIMO	23.98	24.16									
	Band 4	Ant4	20M	1732.5	20175	QPSK	1	0				Band 7	20M	2655	3100	4xMIMO	24.18	24.25									
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4xMIMO			Band 4	20M	2132.5	2175		24.34	24.43									
	Band 7	Ant4	20M	2535	21100	QPSK	1	0	4xMIMO			Band 4	20M	2132.5	2175		24.44	24.40									
CA_4A-25A	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0				Band 26	15M	876.5	8865		24.14	24.16									
	Band 4	Ant4	20M	1732.5	20175	QPSK	1	0				Band 26	15M	876.5	8865		24.24	24.25									
	Band 26	Ant1	15M	831.5	26865	QPSK	1	0				Band 4	20M	2132.5	2175		24.43	24.65									
	Band 26	Ant4	15M	831.5	26865	QPSK	1	0				Band 4	20M	2132.5	2175		25.30	25.34									
CA_5A-7A	Band 5	Ant1	10M	836.5	20525	QPSK	1	0				Band 7	20M	2655	3100	4xMIMO	24.47	24.62									
	Band 5	Ant4	10M	836.5	20525	QPSK	1	0				Band 7	20M	2655	3100	4xMIMO	25.17	25.32									
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4xMIMO			Band 5	10M	881.5	2525		24.21	24.43									
	Band 7	Ant4	20M	2535	21100	QPSK	1	0	4xMIMO			Band 5	10M	881.5	2525		24.18	24.40									
CA_5A-66A	Band 5	Ant1	10M	836.5	20525	QPSK	1	0				Band 66	20M	2145	66786		24.57	24.62									
	Band 5	Ant4	10M	836.5	20525	QPSK	1	0				Band 66	20M	2145	66786		25.32	25.32									
	Band 66	Ant1	20M	1745	132322	QPSK	1	0				Band 5	10M	881.5	2525		24.12	24.25									
	Band 66	Ant4	20M	1745	132322	QPSK	1	0				Band 5	10M	881.5	2525		24.21	24.28									
CA_7C	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4xMIMO			Band 7	20M	2674.8	3298	4xMIMO	24.42	24.43									
	Band 7	Ant4	20M	2535	21100	QPSK	1	0	4xMIMO			Band 7	20M	2674.8	3298	4xMIMO	24.30	24.40									
CA_7C	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4xMIMO			Band 7	20M	2674.8	3298	4xMIMO	24.41	24.43									
	Band 7	Ant4	20M	2535	21100	QPSK	1	0	4xMIMO			Band 7	20M	2674.8	3298	4xMIMO	24.37	24.40									
CA_7A-7A	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4xMIMO			Band 7	5M	2687.5	3425	4xMIMO	24.18	24.43									
	Band 7	Ant4	20M	2535	21100	QPSK	1	0	4xMIMO			Band 7	5M	2687.5	3425	4xMIMO	24.17	24.40									
CA_7A-25A	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4xMIMO			Band 26	15M	876.5	8865		24.36	24.43									
	Band 7	Ant4	20M	2535	21100	QPSK	1	0	4xMIMO			Band 26	15M	876.5	8865		24.22	24.40									
	Band 26	Ant1	15M	831.5	26865	QPSK	1	0				Band 7	20M	2655	3100	4xMIMO	24.61	24.65									
	Band 26	Ant4	15M	831.5	26865	QPSK	1	0				Band 7	20M	2655	3100	4xMIMO	25.28	25.34									
CA_7A-66A	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4xMIMO			Band 66	20M	2155	66886		24.47	24.43									
	Band 7	Ant4	20M	2535	21100	QPSK	1	0	4xMIMO			Band 66	20M	2155	66886		24.22	24.40									
	Band 66	Ant1	20M	1745	132322	QPSK	1	0				Band 7	20M	2655	3100	4xMIMO	24.19	24.25									
	Band 66	Ant4	20M	1745	132322	QPSK	1	0				Band 7	20M	2655	3100	4xMIMO	24.22	24.28									
CA_12A-66A	Band 12	Ant1	10M	707.5	23095	QPSK	1	0				Band 66	20M	2145	66786		24.69	24.70									
	Band 12	Ant4	10M	707.5	23095	QPSK	1	0				Band 66	20M	2145	66786		25.15	25.27									
	Band 66	Ant1	20M	1745	132322	QPSK	1	0				Band 12	10M	737.5	5095		24.30	24.25									
	Band 66	Ant4	20M	1745	132322	QPSK	1	0				Band 12	10M	737.5	5095		24.10	24.28									
CA_38C	Band 38	Ant1	20M	2595	38000	QPSK	1	0	4xMIMO			Band 38	20M	2614.8	38198	4xMIMO	24.38	24.42									
	Band 38	Ant4	20M	2595	38000	QPSK	1	0	4xMIMO			Band 38	20M	2614.8	38198	4xMIMO	24.54	24.50									
CA_41C	Band 41	Ant1	20M	2593	40620	QPSK	1	0	4xMIMO			Band 41	20M	2612.8	40818	4xMIMO	24.38	24.48									
	Band 41	Ant4	20M	2593	40620	QPSK	1	0	4xMIMO			Band 41	20M	2612.8	40818	4xMIMO	24.45	24.55									
CA_41A-41A	Band 41	Ant1	20M	2593	40620	QPSK	1	0	4xMIMO			Band 41	5M	2687.5	41565	4xMIMO	24.35	24.48									
	Band 41	Ant4	20M	2593	40620	QPSK	1	0	4xMIMO			Band 41	5M	2687.5	41565	4xMIMO	24.41	24.55									
CA_66B	Band 66	Ant1	15M	1745	132322	QPSK	1	0				Band 66	5M	2197.5	67311		24.22	24.25									
	Band 66	Ant4	15M	1745	132322	QPSK	1	0				Band 66	5M	2197.5	67311		24.30	24.28									
CA_66C	Band 66	Ant1	20M	1745	132322	QPSK	1	0				Band 66	20M	2174.8	67084		24.24	24.25									
	Band 66	Ant4	20M	1745	132322	QPSK	1	0				Band 66	20M	2174.8	67084		24.06	24.28									
CA_66A-66A	Band 66	Ant1	20M	1745	132322	QPSK	1	0				Band 66	5M	2197.5	67311		24.16	24.25									
	Band 66	Ant4	20M	1745	132322	QPSK	1	0				Band 66	5M	2197.5	67311		24.31	24.28									



n5 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166300	167300	167600	25.5	0.0	
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	24.45	24.51	24.39			
20	PI2 BPSK	1	53	24.37	24.46	24.32	25.5	0.0	
20	PI2 BPSK	1	104	24.30	24.39	24.30			
20	PI2 BPSK	50	0	23.60	23.73	23.68		0.5	
20	PI2 BPSK	50	28	24.27	24.37	24.32	25.5	0.0	
20	PI2 BPSK	50	56	23.83	23.94	23.84			
20	PI2 BPSK	100	0	23.75	23.87	23.78		0.5	
20	QPSK	1	1	24.48	24.56	24.48	25.5	0.0	
20	QPSK	1	53	24.39	24.50	24.42			
20	QPSK	1	104	24.36	24.44	24.31		1.0	
20	QPSK	50	0	23.18	23.33	23.19	25.5	0.0	
20	QPSK	50	28	24.35	24.42	24.34			
20	QPSK	50	56	23.39	23.44	23.34		1.0	
20	QPSK	100	0	23.40	23.48	23.42	24.5	1.0	
20	16QAM	1	1	23.09	23.16	23.09			
20	64QAM	1	1	21.62	21.71	21.60		2.5	
20	256QAM	1	1	20.16	20.28	20.13	21.0	4.5	
Channel				166300	167300	168300			
Frequency (MHz)				831.5	836.5	841.5		Tune-up limit (dBm)	
15	QPSK	1	1	24.41	24.47	24.39	25.5	0.0	
Channel				165200	167200	169200			
Frequency (MHz)				829	836.5	844		Tune-up limit (dBm)	
10	QPSK	1	1	24.37	24.48	24.38	25.5	0.0	
Channel				165300	167300	169300			
Frequency (MHz)				844.5	848.5	844.5		Tune-up limit (dBm)	
5	QPSK	1	1	24.42	24.49	24.34	25.5	0.0	

Full Power level/Default Power level for 5G NR_DFT-15									
n7 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				500000	507000	512000	25.5	0.0	
Frequency (MHz)				2510	2535	2560			
20	PI2 BPSK	1	1	24.40	24.55	24.47			
20	PI2 BPSK	1	53	24.55	24.60	24.52	25.5	0.0	
20	PI2 BPSK	1	104	24.50	24.59	24.52			
20	PI2 BPSK	50	0	24.26	24.33	24.24		0.5	
20	PI2 BPSK	50	28	24.63	24.72	24.62	25.5	0.0	
20	PI2 BPSK	50	56	24.17	24.26	24.13			
20	PI2 BPSK	100	0	24.14	24.21	24.16		0.5	
20	QPSK	1	1	24.73	25.79	24.67	25.5	0.0	
20	QPSK	1	53	24.82	24.73	24.62			
20	QPSK	1	104	24.61	24.66	24.53		1.0	
20	QPSK	50	0	23.58	23.64	23.54	25.5	0.0	
20	QPSK	50	28	24.40	24.53	24.40			
20	QPSK	50	56	23.66	23.71	23.56		1.0	
20	QPSK	100	0	23.76	23.82	23.69	24.5	1.0	
20	16QAM	1	1	23.16	23.29	23.19			
20	64QAM	1	1	21.76	21.84	21.75		2.5	
20	256QAM	1	1	20.40	20.48	20.36	21.0	4.5	
Channel				501500	507000	512500			
Frequency (MHz)				2507.5	2535	2562.5		Tune-up limit (dBm)	
15	QPSK	1	1	24.58	24.66	24.54	25.5	0.0	
Channel				501000	507000	513000			
Frequency (MHz)				2505	2535	2565		Tune-up limit (dBm)	
10	QPSK	1	1	24.60	24.70	24.53	25.5	0.0	
Channel				500500	507000	513500			
Frequency (MHz)				2502.5	2535	2567.5		Tune-up limit (dBm)	
5	QPSK	1	1	24.64	24.69	24.53	25.5	0.0	

n66 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000	25.0	0.0	
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	23.81	23.94	23.86			
40	PI2 BPSK	1	108	23.92	24.03	23.97	25.0	0.0	
40	PI2 BPSK	1	214	23.85	23.90	23.79			
40	PI2 BPSK	108	0	23.51	23.63	23.56		0.5	
40	PI2 BPSK	108	54	23.94	24.01	23.90	24.5	0.5	
40	PI2 BPSK	108	108	23.39	23.49	23.44			
40	PI2 BPSK	216	0	23.46	23.53	23.42		0.5	
40	QPSK	1	1	24.04	24.06	23.97	25.0	0.0	
40	QPSK	1	108	23.92	24.00	23.94			
40	QPSK	1	214	23.80	23.93	23.85		1.0	
40	QPSK	108	0	23.09	23.20	23.12	24.0	1.0	
40	QPSK	108	54	23.92	24.03	23.96			
40	QPSK	108	108	23.06	23.11	22.98		1.0	
40	QPSK	216	0	23.13	23.21	23.09	24.0	1.0	
40	16QAM	1	1	22.28	22.35	22.28			
40	64QAM	1	1	20.76	20.90	20.84		2.5	
40	256QAM	1	1	19.39	19.49	19.42	20.5	4.5	
Channel				344000	349000	354000			
Frequency (MHz)				1720	1745	1770		Tune-up limit (dBm)	
20	QPSK	1	1	23.92	24.01	23.83	25.0	0.0	
Channel				343500	349000	354500			
Frequency (MHz)				1717.5	1745	1772.5		Tune-up limit (dBm)	
15	QPSK	1	1	23.90	23.97	23.89	25.0	0.0	
Channel				343000	349000	355000			
Frequency (MHz)				1715	1745	1775		Tune-up limit (dBm)	
10	QPSK	1	1	23.96	23.94	23.85	25.0	0.0	
Channel				342500	349000	355500			
Frequency (MHz)				1712.5	1745	1777.5		Tune-up limit (dBm)	
5	QPSK	1	1	23.94	24.00	23.92	25.0	0.0	



n38 Ant1 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	518000	518996			
Frequency (MHz)				2580.02	2586	2599.98			
40	PI2 BPSK	1	1	24.32	24.46	24.40			
40	PI2 BPSK	1	53	24.26	24.34	24.22	25.5	0.0	
40	PI2 BPSK	1	104	24.33	24.42	24.20	25.0	0.5	
40	PI2 BPSK	50	0	23.89	23.95	23.82	25.0	0.0	
40	PI2 BPSK	50	28	24.45	24.49	24.39	25.5	0.0	
40	PI2 BPSK	50	56	23.82	23.90	23.75			
40	PI2 BPSK	100	0	23.84	23.98	23.86	25.0	0.5	
40	QPSK	1	1	24.45	24.57	24.48			
40	QPSK	1	53	24.33	24.55	24.35	25.5	0.0	
40	QPSK	1	104	24.41	24.50	24.36			
40	QPSK	50	0	23.58	23.64	23.51	25.5	0.0	
40	QPSK	50	28	24.41	24.51	24.45	25.5	0.0	
40	QPSK	50	56	23.57	23.69	23.63	25.5	0.0	
40	QPSK	100	0	23.52	23.67	23.55			
40	16QAM	1	1	22.89	23.03	22.95	24.5	1.0	
40	64QAM	1	1	21.42	21.53	21.46	23.0	2.5	
40	256QAM	1	1	20.24	20.27	20.18	21.0	4.5	
Channel				518000	518000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	24.48	24.43	24.35	25.5	0.0	
Channel				518250	518000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	24.40	24.38	24.38	25.5	0.0	
Channel				518004	518000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2583.02	2595	2614.98			
10	QPSK	1	1	24.34	24.40	24.38	25.5	0.0	
Channel				518000	518000	523000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
5	QPSK	1	1	24.39	24.44	24.37	25.5	0.0	

n41_PC3 Ant1 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502004	518598	522998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI2 BPSK	1	1	23.10	23.19	23.15			
50	PI2 BPSK	1	135	24.16	24.26	24.18	24.5	0.0	
50	PI2 BPSK	1	268	23.08	23.18	23.03			
50	PI2 BPSK	135	0	23.82	23.96	23.85	24.5	0.0	
50	PI2 BPSK	135	68	24.12	24.21	24.18	24.5	0.0	
50	PI2 BPSK	135	135	23.83	23.95	23.82			
50	PI2 BPSK	270	0	23.85	23.91	23.85	24.5	0.0	
50	QPSK	1	1	23.19	23.28	23.21			
50	QPSK	1	135	24.24	24.33	24.28	24.5	0.0	
50	QPSK	1	268	23.21	23.28	23.18			
50	QPSK	135	0	23.78	23.83	23.76	24.5	0.0	
50	QPSK	135	68	24.10	24.18	24.04	24.5	0.0	
50	QPSK	135	135	23.79	23.93	23.80			
50	QPSK	270	0	23.83	23.88	23.78	24.5	0.0	
50	16QAM	1	1	22.89	22.93	22.87	24.5	0.0	
50	64QAM	1	1	22.80	22.96	22.82	23.5	1.0	
50	256QAM	1	1	22.03	22.07	21.93	22.5	2.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	23.16	23.24	23.15	24.5	0.0	
Channel				531204	518598	535598	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	23.06	23.16	23.13	24.5	0.0	
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.49			
15	QPSK	1	19	23.11	23.22	23.08	24.5	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	12	23.07	23.21	23.15	24.5	0.0	

n41_PC2 Ant1 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504004	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI2 BPSK	1	1	25.08	25.17	25.02			
50	PI2 BPSK	1	135	26.06	26.19	26.11	27.0	0.0	
50	PI2 BPSK	1	268	25.06	25.14	25.08			
50	PI2 BPSK	135	0	25.84	25.88	25.82	27.0	0.0	
50	PI2 BPSK	135	68	26.11	26.16	26.03	27.0	0.0	
50	PI2 BPSK	135	135	25.71	25.85	25.70			
50	PI2 BPSK	270	0	25.72	25.83	25.76	27.0	0.0	
50	QPSK	1	1	25.18	25.25	25.13			
50	QPSK	1	135	26.09	26.21	26.14	27.0	0.0	
50	QPSK	1	268	25.21	25.27	25.24			
50	QPSK	135	0	25.67	25.75	25.62	27.0	0.0	
50	QPSK	135	68	26.00	26.03	25.99	27.0	0.0	
50	QPSK	135	135	25.76	25.82	25.72			
50	QPSK	270	0	25.62	25.76	25.70	27.0	0.0	
50	16QAM	1	1	24.47	24.60	24.52	26.0	1.0	
50	64QAM	1	1	23.36	23.44	23.35	24.5	2.5	
50	256QAM	1	1	21.84	22.01	21.83	22.5	4.5	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	25.13	25.14	25.01	27.0	0.0	
Channel				531204	518598	535598	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	25.10	25.14	25.02	27.0	0.0	
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.49			
15	QPSK	1	19	25.15	25.17	25.09	27.0	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	12	25.06	25.14	25.07	27.0	0.0	



Par270 n77_PC3 Ant2 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				645334	650000	655068		
Frequency (MHz)				3725.01	3840	3955.02		
50	PI2 BPSK	1	1	21.26	21.27	21.27	23.5	0.0
50	PI2 BPSK	1	135	21.26	21.29	21.30		
50	PI2 BPSK	1	268	21.29	21.28	21.22	23.5	0.0
50	PI2 BPSK	135	0	21.27	21.29	21.26	23.5	0.0
50	PI2 BPSK	135	68	21.29	21.27	21.27	23.5	0.0
50	PI2 BPSK	135	135	21.27	21.28	21.30	23.5	0.0
50	PI2 BPSK	270	0	21.26	21.26	21.29		
50	QPSK	1	1	21.26	21.28	21.23	23.5	0.0
50	QPSK	1	135	21.31	21.30	21.24		
50	QPSK	1	268	21.29	21.25	21.22	23.5	0.0
50	QPSK	135	0	21.27	21.28	21.21	23.5	0.0
50	QPSK	135	68	21.28	21.30	21.21	23.5	0.0
50	QPSK	135	135	21.30	21.28	21.22	23.5	0.0
50	QPSK	270	0	21.28	21.29	21.21	23.5	0.0
50	16QAM	1	1	21.27	21.29	21.22	23.5	0.0
50	64QAM	1	1	21.27	21.28	21.23	23.5	0.0
50	256QAM	1	1	21.25	21.27	21.21	23.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	53	21.24	21.30	21.21	23.5	0.0
Channel				647234	655000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	26	21.26	21.28	21.22	23.5	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	19	21.30	21.30	21.21	23.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	12	21.28	21.27	21.21	23.5	0.0

Part27Q n77_PC3 Ant2 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
50	PI2 BPSK	1	1		21.32		23.5	0.0
50	PI2 BPSK	1	135		21.35			
50	PI2 BPSK	1	268		21.36		23.5	0.0
50	PI2 BPSK	135	0		21.32			
50	PI2 BPSK	135	68		21.35		23.0	0.0
50	PI2 BPSK	135	135		21.35			
50	PI2 BPSK	270	0		21.33		23.5	0.0
50	QPSK	1	1		21.36			
50	QPSK	1	135		21.37		23.5	0.0
50	QPSK	1	268		21.32			
50	QPSK	135	0		21.36		23.5	0.0
50	QPSK	135	68		21.38			
50	QPSK	135	135		21.35		22.5	0.0
50	QPSK	270	0		21.34			
50	16QAM	1	1		21.35		22.5	0.0
50	64QAM	1	1		21.35		21.0	0.0
50	256QAM	1	1		21.33		19.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	21.07	20.94	21.11	23.5	0.0
Channel				632668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26	20.90	21.01	21.04	23.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	21.09	21.02	20.95	23.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	21.01	20.97	21.05	23.5	0.0

Part27O n78_PC3 Ant2 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	3750	3750		
Frequency (MHz)					3750	3750		
50	PI2 BPSK	1	1		22.82		23.0	0.0
50	PI2 BPSK	1	135		23.20			
50	PI2 BPSK	1	268		23.14		23.0	0.0
50	PI2 BPSK	135	0		23.08			
50	PI2 BPSK	135	68		23.04		23.0	0.0
50	PI2 BPSK	135	135		22.97			
50	PI2 BPSK	270	0		22.83		23.0	0.0
50	QPSK	1	1		22.81			
50	QPSK	1	135		23.24		23.0	0.0
50	QPSK	1	268		23.18			
50	QPSK	135	0		23.06		23.0	0.0
50	QPSK	135	68		23.07			
50	QPSK	135	135		23.01		23.0	0.0
50	QPSK	270	0		23.04			
50	16QAM	1	1		22.92		23.0	0.0
50	64QAM	1	1		22.89		23.0	0.0
50	256QAM	1	1		22.83		23.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	53	22.89	22.83	22.83	23.0	0.0
Channel				647314	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	26	22.82	22.82	22.84	23.0	0.0
Channel				647168	650000	652634	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	19	22.82	22.81	22.85	23.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	12	22.83	22.85	22.84	23.0	0.0

Part27Q 78_PC3 Ant2 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dbm)	MPR (db)
Channel				633334				
Frequency (MHz)				3500.01				
50	PI2 BPSK	1	1		22.84		0.0	0.0
50	PI2 BPSK	1	135		23.06			
50	PI2 BPSK	1	268		23.09			
50	PI2 BPSK	135	0		22.99			
50	PI2 BPSK	135	68		22.91		0.0	0.0
50	PI2 BPSK	135	135		22.88			
50	PI2 BPSK	270	0		22.80		-0.5	0.5
50	QPSK	1	1		22.87		0.0	0.0
50	QPSK	1	135		23.09			
50	QPSK	1	268		23.07			
50	QPSK	135	0		22.94			
50	QPSK	135	68		22.96		0.0	0.0
50	QPSK	135	135		22.89			
50	QPSK	270	0		22.99		-1.0	1.0
50	16QAM	1	1		22.88		-1.0	1.0
50	64QAM	1	1		22.96		-2.5	2.5
50	256QAM	1	1		22.90		-4.5	4.5
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dbm)	(db)
40	QPSK	1	53	23.03	22.99	22.96	0.0	0.0
Channel				630505	633334	636168	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dbm)	(db)
20	QPSK	1	26	22.99	22.96	22.98	0.0	0.0
Channel				630500	633334	636168	Tune-up limit	MPR
Frequency (MHz)				3429.5	3500.01	3522.52	(dbm)	(db)
15	QPSK	1	19	22.99	23.02	22.98	0.0	0.0
Channel				630334	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dbm)	(db)
10	QPSK	1	12	23.00	23.02	22.95	0.0	0.0



Par27O n77_PC3 Ant3 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				648334	656000	663668		
Frequency (MHz)				3725.01	3840	3955.02		
50	Pl2 BPSK	1	1	22.01	22.58	22.55		
50	Pl2 BPSK	1	135	23.42	23.55	23.49	24.5	0.0
50	Pl2 BPSK	1	268	22.51	22.64	22.52		
50	Pl2 BPSK	135	0	23.39	23.46	23.39	24.5	0.0
50	Pl2 BPSK	135	68	23.43	23.56	23.46	24.5	0.0
50	Pl2 BPSK	135	135	23.30	23.42	23.28	24.5	0.0
50	Pl2 BPSK	270	0	23.30	23.44	23.39	24.5	0.0
50	QPSK	1	1	22.84	22.57	22.54		
50	QPSK	1	135	23.55	23.01	23.08	24.5	0.0
50	QPSK	1	268	22.82	22.68	22.61		
50	QPSK	135	0	23.44	23.49	23.44	24.5	0.0
50	QPSK	135	68	23.47	23.60	23.56	24.5	0.0
50	QPSK	135	135	23.22	23.36	23.22	24.5	0.0
50	QPSK	270	0	23.33	23.44	23.36		
50	16QAM	1	1	22.29	22.42	22.29	23.5	1.0
50	64QAM	1	1	22.29	22.37	22.30	23.5	1.0
50	256QAM	1	1	21.34	21.42	21.28	22.0	2.5
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	53	22.85	22.54	22.52	24.5	0.0
Channel				647334	655000	662668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	26	22.84	22.60	22.58	24.5	0.0
Channel				647168	655000	662834	Tune-up limit	MPR
Frequency (MHz)				3707.52	3840	3972.51	(dBm)	(dB)
15	QPSK	1	19	22.70	22.60	22.53	24.5	0.0
Channel				647000	656000	665000	Tune-up limit	MPR
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	QPSK	1	12	22.64	22.55	22.60	24.5	0.0

Par27O n77_PC2 Ant3 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				648334	656000	663668		
Frequency (MHz)				3725.01	3840	3955.02		
50	Pl2 BPSK	1	1	23.11	23.08	23.02		
50	Pl2 BPSK	1	135	25.69	25.72	25.57	27.0	0.0
50	Pl2 BPSK	1	268	25.14	25.08	25.10		
50	Pl2 BPSK	135	0	25.48	25.52	25.40	27.0	0.0
50	Pl2 BPSK	135	68	25.63	25.71	25.67	27.0	0.0
50	Pl2 BPSK	135	135	25.42	25.52	25.38	27.0	0.0
50	Pl2 BPSK	270	0	25.43	25.48	25.41		
50	QPSK	1	1	25.03	25.21	25.07		
50	QPSK	1	135	25.05	25.74	25.64	27.0	0.0
50	QPSK	1	268	25.08	25.14	25.12		
50	QPSK	135	0	25.54	25.65	25.57	27.0	0.0
50	QPSK	135	68	25.56	25.66	25.64	27.0	0.0
50	QPSK	135	135	25.47	25.54	25.50	27.0	0.0
50	QPSK	270	0	25.38	25.51	25.45		
50	16QAM	1	1	24.14	24.29	24.21	26.0	1.0
50	64QAM	1	1	22.85	22.77	22.70	24.5	2.5
50	256QAM	1	1	21.41	21.52	21.40	23.0	4.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	53	25.11	25.03	25.21	27.0	0.0
Channel				647334	655000	662668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	26	25.11	25.12	25.07	27.0	0.0
Channel				647168	655000	662834	Tune-up limit	MPR
Frequency (MHz)				3707.52	3840	3972.51	(dBm)	(dB)
15	QPSK	1	19	25.17	25.05	25.01	27.0	0.0
Channel				647000	656000	665000	Tune-up limit	MPR
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	QPSK	1	12	25.03	25.14	25.08	27.0	0.0

Part27Q n77_PC3 Ant3 Default

BW [MHz]	Modulation	Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	Pl2 BPSK	1	1		22.59				
50	Pl2 BPSK	1	135		23.30		24.5	0.0	
50	Pl2 BPSK	1	268		22.52				
50	Pl2 BPSK	135	0		23.19		24.5	0.0	
50	Pl2 BPSK	135	68		23.28				
50	Pl2 BPSK	135	135		23.16		24.5	0.0	
50	Pl2 BPSK	270	0		23.25		24.5	0.0	
50	QPSK	1	1		22.61				
50	QPSK	1	135		23.37		24.5	0.0	
50	QPSK	1	268		22.51				
50	QPSK	135	0		23.15				
50	QPSK	135	68		23.29		24.5	0.0	
50	QPSK	135	135		23.21				
50	QPSK	270	0		23.14		24.5	0.0	
50	16QAM	1	1		22.43		23.5	1.0	
50	64QAM	1	1		22.40		23.5	1.0	
50	256QAM	1	1		21.52		22.0	2.5	
Channel									
				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	53		22.58	22.61	22.67	24.5	0.0
Channel									
				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3480.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	26		22.59	22.65	22.63	24.5	0.0
Channel									
				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3487.5	3500.01	3542.53	(dBm)	(dB)	
15	QPSK	1	19		22.58	22.57	22.60	24.5	0.0
Channel									
				633034	633334	633634	Tune-up limit	MPR	
Frequency (MHz)				3484.01	3486.01	3488.01	(dBm)	(dB)	
10	QPSK	1	12		22.61	22.59	22.58	24.5	0.0



Part272Q n77_PC2 Ant3 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	PQ2 BPSK	1	1		25.11				
50	PQ2 BPSK	1	135		25.65		27.0		0.0
50	PQ2 BPSK	1	268		25.03				
50	PQ2 BPSK	135	0		25.17		27.0		0.0
50	PQ2 BPSK	135	68		25.33				
50	PQ2 BPSK	135	135		25.12				
50	PQ2 BPSK	270	0		25.16		27.0		0.0
50	QPSK	1	1		25.15				
50	QPSK	1	135		25.67		27.0		0.0
50	QPSK	1	268		25.07				
50	QPSK	135	0		25.12				
50	QPSK	135	68		25.30		27.0		0.0
50	QPSK	135	135		25.19				
50	QPSK	270	0		25.15		27.0		0.0
50	16QAM	1	1		24.17		26.0		1.0
50	64QAM	1	1		22.73		26.0		2.5
50	256QAM	1	1		21.50		26.5		4.0
Channel									
				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
40	QPSK	1	53		3470.01	3500.01	3530.01	27.0	0.0
Channel									
				630968	633334	633000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
20	QPSK	1	26		3460.02	3500.01	3540	27.0	0.0
Channel									
				630590	633334	636160	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	19		3459.5	3500.01	3542.52	27.0	0.0
Channel									
				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	12		3448.01	3500.01	3548.01	27.0	0.0

Part272O n78_PC3 Ant3 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit	MPR (dB)	
Channel									
Frequency (MHz)									
50	PQ2 BPSK	1	1		3750	3750			
50	PQ2 BPSK	1	135		23.26		24.5		0.0
50	PQ2 BPSK	1	268		23.68				
50	PQ2 BPSK	135	0		24.00		24.5		0.0
50	PQ2 BPSK	135	68		24.32				
50	PQ2 BPSK	135	135		24.14		24.5		0.0
50	PQ2 BPSK	270	0		24.13				
50	QPSK	1	1		23.27				
50	QPSK	1	135		23.30		24.5		0.0
50	QPSK	1	268		23.66				
50	QPSK	135	0		24.01		24.5		0.0
50	QPSK	135	68		24.28				
50	QPSK	135	135		24.26		24.5		0.0
50	QPSK	270	0		24.14				
50	16QAM	1	1		23.11		23.5		1.0
50	64QAM	1	1		23.06		23.5		1.0
50	256QAM	1	1		21.89		22.0		2.5
Channel									
				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)									
40	QPSK	1	53		3720	3750	3780	24.5	0.0
Channel									
				647334	650000	652968	Tune-up limit	MPR	
Frequency (MHz)									
20	QPSK	1	26		3710.01	3750	3790.02	24.5	0.0
Channel									
				647168	650000	652834	Tune-up limit	MPR	
Frequency (MHz)									
15	QPSK	1	19		3707.52	3750	3792.51	24.5	0.0
Channel									
				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)									
10	QPSK	1	12		3703	3750	3796	24.5	0.0

Part270 n78_PC2 Ant3 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	PQ2 BPSK	1	1		3750	3750			
50	PQ2 BPSK	1	135		25.07		27.0		0.0
50	PQ2 BPSK	1	268		26.35				
50	PQ2 BPSK	135	0		25.82		27.0		0.0
50	PQ2 BPSK	135	68		26.02		27.0		0.0
50	PQ2 BPSK	135	135		25.92		27.0		0.0
50	PQ2 BPSK	270	0		25.93				
50	QPSK	1	1		25.10		27.0		0.0
50	QPSK	1	135		26.05				
50	QPSK	1	268		25.37				
50	QPSK	135	0		25.84		27.0		0.0
50	QPSK	135	68		25.96		27.0		0.0
50	QPSK	135	135		25.85		27.0		0.0
50	QPSK	270	0		25.96				
50	16QAM	1	1		25.03		26.0		1.0
50	64QAM	1	1		23.01		24.5		2.5
50	256QAM	1	1		21.96		23.0		4.0
Channel									
				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
40	QPSK	1	53		3720	3750	3780	24.5	0.0
Channel									
				647334	650000	652968	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
20	QPSK	1	26		3710.01	3750	3790.02	24.5	0.0
Channel									
				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	19		3707.52	3750	3792.51	24.5	0.0
Channel									
				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	12		3704	3750	3796	24.5	0.0



Part27Q 78_PC3 Ant3 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
50	Pl2 BPSK	1	1	23.27			24.5	0.0	
50	Pl2 BPSK	1	135	24.33					
50	Pl2 BPSK	1	268	23.72					
50	Pl2 BPSK	135	0	24.14			24.5	0.0	
50	Pl2 BPSK	135	68	24.33					
50	Pl2 BPSK	135	135	24.20					
50	Pl2 BPSK	270	0	24.13			24.5	0.0	
50	QPSK	1	1	23.33			24.5	0.0	
50	QPSK	1	135	24.41					
50	QPSK	1	268	23.72					
50	QPSK	135	0	24.31			24.5	0.0	
50	QPSK	135	68	24.37					
50	QPSK	135	135	24.32					
50	QPSK	270	0	24.34			24.5	0.0	
50	16QAM	1	1	23.48			23.5	1.0	
50	64QAM	1	1	23.30			23.5	1.0	
50	256QAM	1	1	21.88			22.0	2.5	
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	53	23.35	23.36	23.38	24.5	0.0	
Channel				636068	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	26	23.38	23.31	23.32	24.5	0.0	
Channel				635000	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3437.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	19	23.32	23.35	23.28	24.5	0.0	
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3445.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	12	23.34	23.28	23.31	24.5	0.0	

Part27Q 78_PC2 Ant3 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
50	Pl2 BPSK	1	1	25.01			27.0	0.0	
50	Pl2 BPSK	1	135	26.09					
50	Pl2 BPSK	1	268	25.42					
50	Pl2 BPSK	135	0	25.84			27.0	0.0	
50	Pl2 BPSK	135	68	26.12					
50	Pl2 BPSK	135	135	25.92					
50	Pl2 BPSK	270	0	26.05			27.0	0.0	
50	QPSK	1	1	25.18			27.0	0.0	
50	QPSK	1	135	26.15					
50	QPSK	1	268	25.46					
50	QPSK	135	0	26.02			27.0	0.0	
50	QPSK	135	68	26.07					
50	QPSK	135	135	26.01					
50	QPSK	270	0	26.03			27.0	0.0	
50	16QAM	1	1	24.94			26.0	1.0	
50	16QAM	1	1	24.99			24.5	2.5	
50	256QAM	1	1	22.03			23.0	4.0	
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	53	25.15	25.23	25.24	27.0	0.0	
Channel				635000	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	26	25.15	25.22	25.13	27.0	0.0	
Channel				635000	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3437.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	19	25.25	25.15	25.23	27.0	0.0	
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3445.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	12	25.17	25.15	25.24	27.0	0.0	



n5 Ant4 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				168300	167300	167600	25.5	0.0	
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	24.25	24.30	24.16			
20	PI2 BPSK	1	53	24.27	24.40	24.34	25.0	0.5	
20	PI2 BPSK	1	104	24.22	24.36	24.30			
20	PI2 BPSK	50	0	23.87	24.00	23.87			
20	PI2 BPSK	50	28	24.42	24.49	24.40	25.5	0.0	
20	PI2 BPSK	50	56	23.91	23.98	23.92			
20	PI2 BPSK	100	0	23.86	24.03	23.86			
20	QPSK	1	1	24.40	24.54	24.45	25.0	0.5	
20	QPSK	1	53	24.33	24.50	24.36			
20	QPSK	1	104	24.21	24.33	24.24			
20	QPSK	50	0	23.15	23.22	23.10	24.5	1.0	
20	QPSK	50	28	24.14	24.26	24.15			
20	QPSK	50	56	23.28	23.39	23.32			
20	QPSK	100	0	23.42	23.49	23.41	24.5	1.0	
20	16QAM	1	1	22.95	23.08	22.94			
20	64QAM	1	1	21.52	21.57	21.50		23.0	
20	256QAM	1	1	20.03	20.16	20.01	21.0	4.5	
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	24.30	24.48	24.35	25.5	0.0	
Channel				167200	167200	167300			
Frequency (MHz)				829	836.5	844	25.0	0.5	
10	QPSK	1	1	24.33	24.39	24.32			
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				24.5	838.5	844.5			
5	QPSK	1	1	24.33	24.40	24.37	25.5	0.0	

n7 Ant4 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000	25.5	0.0	
Frequency (MHz)				2510	2535	2560			
20	PI2 BPSK	1	1	24.29	24.42	24.36			
20	PI2 BPSK	1	53	24.33	24.46	24.31	25.0	0.5	
20	PI2 BPSK	1	104	24.36	24.50	24.35			
20	PI2 BPSK	50	0	24.02	24.13	23.99			
20	PI2 BPSK	50	28	24.41	24.54	24.40	25.0	0.5	
20	PI2 BPSK	50	56	24.04	24.09	23.98			
20	PI2 BPSK	100	0	23.93	24.02	23.94			
20	QPSK	1	1	24.53	24.59	24.48	25.5	0.0	
20	QPSK	1	53	24.47	24.55	24.50			
20	QPSK	1	104	24.40	24.46	24.35			
20	QPSK	50	0	23.30	23.37	23.32	24.5	1.0	
20	QPSK	50	28	24.14	24.27	24.21			
20	QPSK	50	56	23.62	23.66	23.58			
20	QPSK	100	0	23.49	23.60	23.46	24.5	1.0	
20	16QAM	1	1	22.98	23.05	22.90			
20	64QAM	1	1	21.47	21.56	21.46		23.0	
20	256QAM	1	1	20.16	20.26	20.21	21.0	4.5	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	24.45	24.47	24.39	25.5	0.0	
Channel				510000	520000	530000			
Frequency (MHz)				2505	2535	2565	25.0	0.5	
10	QPSK	1	1	24.38	24.52	24.35			
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	24.40	24.44	24.43	25.5	0.0	

n66 Ant4 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000	25.0	0.0	
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	23.92	24.03	23.96			
40	PI2 BPSK	1	108	23.94	23.86	23.91	24.5	0.5	
40	PI2 BPSK	1	214	23.94	23.91	23.88			
40	PI2 BPSK	108	0	23.29	23.41	23.29			
40	PI2 BPSK	108	54	23.87	24.02	23.91	25.0	0.0	
40	PI2 BPSK	108	108	23.36	23.48	23.33			
40	PI2 BPSK	216	0	23.46	23.53	23.36			
40	QPSK	1	1	24.00	24.06	23.92	25.0	0.0	
40	QPSK	1	108	23.89	24.00	23.94			
40	QPSK	1	214	23.92	23.85	23.88			
40	QPSK	108	0	22.97	23.09	22.96	24.0	1.0	
40	QPSK	108	54	23.96	24.01	23.90			
40	QPSK	108	108	23.00	23.12	23.08			
40	QPSK	216	0	22.96	23.06	22.96	24.0	1.0	
40	16QAM	1	1	23.22	23.29	23.17			
40	64QAM	1	1	21.86	21.83	21.72		22.5	
40	256QAM	1	1	19.91	20.05	20.02	20.5	4.5	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1770			
20	QPSK	1	1	23.92	23.99	23.77	25.0	0.0	
Channel				345000	349000	352000			
Frequency (MHz)				1717.5	1745	1772.5	25.0	0.0	
15	QPSK	1	1	23.90	24.01	23.84			
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	23.85	23.92	23.79	25.0	0.0	
Channel				342000	349000	355500			
Frequency (MHz)				1712.5	1745	1777.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	23.94	23.93	23.79			



n38_Ant4_Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	518000	518996			
Frequency (MHz)				2580.02	2595	2599.98			
40	PI2 BPSK	1	1	24.36	24.53	24.45			
40	PI2 BPSK	1	53	24.30	24.49	24.43		25.5	0.0
40	PI2 BPSK	1	104	24.24	24.41	24.32		25.0	0.5
40	PI2 BPSK	50	0	23.82	24.02	23.94		25.0	0.0
40	PI2 BPSK	50	28	24.49	24.60	24.48		25.5	0.0
40	PI2 BPSK	50	56	23.97	24.09	23.99		25.0	0.5
40	PI2 BPSK	100	0	23.84	24.13	23.98			
40	QPSK	1	1	24.58	24.71	24.59			
40	QPSK	1	53	24.45	24.70	24.49		25.5	0.0
40	QPSK	1	104	24.42	24.54	24.43			
40	QPSK	50	0	23.40	23.55	23.48		24.5	1.0
40	QPSK	50	28	24.28	24.46	24.32		25.5	0.0
40	QPSK	50	56	23.84	23.78	23.65		24.5	1.0
40	QPSK	100	0	23.45	23.60	23.45			
40	16QAM	1	1	23.00	23.17	23.09		24.5	1.0
40	64QAM	1	1	21.48	21.88	21.57		23.0	2.5
40	256QAM	1	1	20.28	20.38	20.30		21.0	4.5
Channel				518000	518000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	24.42	24.52	24.43		24.5	0.0
Channel				518000	518000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	24.38	24.60	24.46		25.5	0.0
Channel				518004	518000	522006	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580.02	2595	2614.08			
10	QPSK	1	1	24.47	24.57	24.51		25.5	0.0
Channel				518000	518000	523000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
5	QPSK	1	1	24.34	24.69	24.56		25.5	0.0

n41_PC3_Ant4_Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				525004	518598	525008			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI2 BPSK	1	1	23.11	23.23	23.18			
50	PI2 BPSK	1	135	24.00	24.15	24.06		24.5	0.0
50	PI2 BPSK	1	268	23.19	23.19	23.02			
50	PI2 BPSK	135	0	24.02	24.08	23.99		24.5	0.0
50	PI2 BPSK	135	68	24.03	24.17	24.07		24.5	0.0
50	PI2 BPSK	135	135	23.96	24.06	24.02		24.5	0.0
50	PI2 BPSK	270	0	24.06	24.12	23.96			
50	QPSK	1	1	23.27	23.32	23.11			
50	QPSK	1	135	24.09	24.24	24.15		24.5	0.0
50	QPSK	1	268	23.22	23.15	23.20			
50	QPSK	135	0	24.12	24.17	24.05		24.5	0.0
50	QPSK	135	68	24.18	24.28	24.18		24.5	0.0
50	QPSK	135	135	24.07	24.15	24.10		24.5	0.0
50	QPSK	270	0	24.08	24.21	24.17			
50	16QAM	1	1	22.99	23.14	23.08		23.5	1.0
50	64QAM	1	1	23.06	23.17	23.07		23.5	1.0
50	256QAM	1	1	21.86	21.88	21.83		22.0	2.5
Channel				503202	518598	534000	Tune-up limit	MPR	
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)	
40	QPSK	1	53	23.31	23.33	23.13		24.5	0.0
Channel				531204	518598	525008	Tune-up limit	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)	
20	QPSK	1	26	23.26	23.35	23.13		24.5	0.0
Channel				500700	518598	536496	Tune-up limit	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)	(dB)	
15	QPSK	1	19	23.28	23.28	23.07		24.5	0.0
Channel				500202	518598	537000	Tune-up limit	MPR	
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)	
10	QPSK	1	12	23.25	23.37	23.06		24.5	0.0

n41_PC2 Ant4 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				525004	518598	525008			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI2 BPSK	1	1	25.19	25.32	25.25			
50	PI2 BPSK	1	135	25.97	26.02	25.91		27.0	0.0
50	PI2 BPSK	1	268	25.33	25.38	25.33			
50	PI2 BPSK	135	0	25.69	25.80	25.73		27.0	0.0
50	PI2 BPSK	135	68	25.95	26.07	26.02		27.0	0.0
50	PI2 BPSK	135	135	25.58	25.72	25.60		27.0	0.0
50	PI2 BPSK	270	0	25.75	25.84	25.75			
50	QPSK	1	1	25.55	25.68	25.63			
50	QPSK	1	135	26.05	26.13	26.00		27.0	0.0
50	QPSK	1	268	25.50	25.61	25.57			
50	QPSK	135	0	25.82	26.02	25.87		27.0	0.0
50	QPSK	135	68	25.91	25.97	25.83		27.0	0.0
50	QPSK	135	135	25.77	25.85	25.78		27.0	0.0
50	QPSK	270	0	25.89	25.99	25.91			
50	16QAM	1	1	25.48	25.61	25.54		26.0	1.0
50	64QAM	1	1	23.46	23.58	23.50		24.5	2.5
50	256QAM	1	1	22.11	22.20	22.15		23.0	4.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	25.48	25.60	25.51		27.0	0.0
Channel				531204	518598	525008	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	25.49	25.65	25.48		27.0	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.51 <td>2592.99</td> <td>2682.48</td> <td></td> <td></td> <td></td>	2592.99	2682.48			
15	QPSK	1	19	25.51	25.58	25.54		27.0	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01 <td>2592.99</td> <td>2685</td> <td></td> <td></td> <td></td>	2592.99	2685			
10	QPSK	1	12	25.43	25.61	25.49		27.0	0.0



Par270 n77_PC3 Ant5 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				645334	650000	655068			
Frequency (MHz)				3725.01	3840	3955.02			
50	PI2 BPSK	1	1	17.33	17.38	17.33	19.5	0.0	
50	PI2 BPSK	1	135	17.32	17.40	17.31			
50	PI2 BPSK	1	268	17.33	17.36	17.30	19.5	0.0	
50	PI2 BPSK	135	0	17.33	17.41	17.33	19.5	0.0	
50	PI2 BPSK	135	68	17.33	17.38	17.36	19.5	0.0	
50	PI2 BPSK	135	135	17.32	17.35	17.30	19.5	0.0	
50	PI2 BPSK	270	0	17.32	17.36	17.33	19.5	0.0	
50	QPSK	1	1	17.33	17.38	17.30			
50	QPSK	1	135	17.32	17.41	17.34	19.5	0.0	
50	QPSK	1	268	17.32	17.39	17.33	19.5	0.0	
50	QPSK	135	0	17.33	17.37	17.30			
50	QPSK	135	68	17.32	17.35	17.33	19.5	0.0	
50	QPSK	135	135	17.32	17.32	17.32	19.5	0.0	
50	QPSK	270	0	17.32	17.33	17.32	19.5	0.0	
50	16QAM	1	1	17.33	17.32	17.31			
50	64QAM	1	1	17.35	17.40	17.32	19.5	0.0	
50	256QAM	1	1	17.31	17.36	17.31	19.5	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	19.5	0.0	
40	QPSK	1	53	17.38	17.40	17.20	19.5	0.0	
Channel				643254	650000	655068	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02	19.5	0.0	
20	QPSK	1	26	17.38	17.32	17.38	19.5	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51	19.5	0.0	
15	QPSK	1	19	17.34	17.34	17.33	19.5	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975	19.5	0.0	
10	QPSK	1	12	17.31	17.39	17.31	19.5	0.0	

Part27Q n77_PC3 Ant5 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				633334					
Frequency (MHz)				3500.01					
50	PI2 BPSK	1	1		17.37		19.5	0.0	
50	PI2 BPSK	1	135		17.35				
50	PI2 BPSK	1	268		17.33		19.5	0.0	
50	PI2 BPSK	135	0		17.37				
50	PI2 BPSK	135	68		17.32		19.5	0.0	
50	PI2 BPSK	135	135		17.32				
50	PI2 BPSK	270	0		17.34		19.5	0.0	
50	QPSK	1	1		17.37		19.5	0.0	
50	QPSK	1	135		17.38				
50	QPSK	1	268		17.31		19.5	0.0	
50	QPSK	135	0		17.34				
50	QPSK	135	68		17.36		19.5	0.0	
50	QPSK	135	135		17.27				
50	QPSK	270	0		17.31		19.5	0.0	
50	16QAM	1	1		17.30		19.5	0.0	
50	64QAM	1	1		17.35		19.5	0.0	
50	256QAM	1	1		17.36		19.5	0.0	
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	19.5	0.0	
40	QPSK	1	53	17.33	17.37	17.33	19.5	0.0	
Channel				633668	633334	633000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	19.5	0.0	
20	QPSK	1	26	17.32	17.32	17.33	19.5	0.0	
Channel				630500	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3447.5	3500.01	3542.52	19.5	0.0	
15	QPSK	1	19	17.33	17.36	17.35	19.5	0.0	
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	19.5	0.0	
10	QPSK	1	12	17.33	17.36	17.33	19.5	0.0	

Part27O n78_PC3 Ant5 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
50	PI2 BPSK	1	1		17.38		19.5	0.0	
50	PI2 BPSK	1	135		17.30				
50	PI2 BPSK	1	268		17.31		19.5	0.0	
50	PI2 BPSK	135	0		17.33				
50	PI2 BPSK	135	68		17.36		19.5	0.0	
50	PI2 BPSK	135	135		17.36				
50	PI2 BPSK	270	0		17.33		19.5	0.0	
50	QPSK	1	1		17.38		19.5	0.0	
50	QPSK	1	135		17.46				
50	QPSK	1	268		17.34		19.5	0.0	
50	QPSK	135	0		17.32				
50	QPSK	135	68		17.42		19.5	0.0	
50	QPSK	135	135		17.35				
50	QPSK	270	0		17.30		19.5	0.0	
50	16QAM	1	1		17.30		19.5	0.0	
50	64QAM	1	1		17.36		19.5	0.0	
50	256QAM	1	1		17.35		19.5	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	19.5	0.0	
40	QPSK	1	53	17.34	17.41	17.35	19.5	0.0	
Channel				647314	650000	652634	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	19.5	0.0	
20	QPSK	1	26	17.36	17.40	17.35	19.5	0.0	
Channel				647168	650000	652634	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51	19.5	0.0	
15	QPSK	1	19	17.34	17.39	17.33	19.5	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	19.5	0.0	
10	QPSK	1	12	17.34	17.38	17.34	19.5	0.0	

Part27Q 78_PC3 Ant5 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dbm)	MPR (db)
Channel				633334			19.5	0.0
Frequency (MHz)				3500.01				
50	PI2 BPSK	1	1		17.35		19.5	0.0
50	PI2 BPSK	1	135		17.33			
50	PI2 BPSK	1	268		17.31			
50	PI2 BPSK	135	0		17.31			
50	PI2 BPSK	135	68		17.23		19.5	0.0
50	PI2 BPSK	135	135		17.28			
50	PI2 BPSK	270	0		17.34			
50	QPSK	1	1		17.32			
50	QPSK	1	135		17.43		19.5	0.0
50	QPSK	1	268		17.30			
50	QPSK	135	0		17.34			
50	QPSK	135	68		17.35			
50	QPSK	135	135		17.32		19.5	0.0
50	QPSK	270	0		17.33			
50	16QAM	1	1		17.31			
50	64QAM	1	1		17.33			
50	256QAM	1	1		17.31		19.5	0.0
Channel				631334	633334	635334	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	17.36	17.40	17.32	19.5	0.0
Channel				632665	633334	634003	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26	17.34	17.40	17.32	19.5	0.0
Channel				630500	633334	636168	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3451.5	3500.01	3542.52		
15	QPSK	1	19	17.35	17.37	17.34	19.5	0.0
Channel				630334	633334	636334	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	17.32	17.41	17.36	19.5	0.0

Part27Q 78_PC3 Ant6 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				633334			22.5	0.0
Frequency (MHz)				3500.01				
50	PI2 BPSK	1	1		20.54		22.5	0.0
50	PI2 BPSK	1	135		20.61			
50	PI2 BPSK	1	268		20.71			
50	PI2 BPSK	135	0		20.72		22.5	0.0
50	PI2 BPSK	135	68		20.53			
50	PI2 BPSK	135	135		20.54			
50	PI2 BPSK	270	0		20.56		22.5	0.0
50	QPSK	1	1		20.57		22.5	0.0
50	QPSK	1	135		20.57			
50	QPSK	1	268		20.45			
50	QPSK	135	0		20.64		22.5	0.0
50	QPSK	135	68		20.43			
50	QPSK	135	135		20.51			
50	QPSK	270	0		20.53		22.5	0.0
50	16QAM	1	1		20.58		22.5	0.0
50	64QAM	1	1		20.53		22.5	0.0
50	256QAM	1	1		20.57		22.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	20.49	20.51	20.56	22.5	0.0
Channel				630505	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26	20.43	20.57	20.53	22.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3459.5	3500.01	3542.52		
15	QPSK	1	19	20.46	20.49	20.51	22.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	20.48	20.55	20.51	22.5	0.0



n5 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				164	164.5	165			
20	Pl2 BPSK	1	1	24.49	24.61	24.47			
20	Pl2 BPSK	1	26	24.47	24.54	24.45	25.5	0.0	
20	Pl2 BPSK	1	49	24.39	24.47	24.37			
20	Pl2 BPSK	25	0	23.70	23.81	23.72	25.0	0.5	
20	Pl2 BPSK	25	13	24.35	24.41	24.41	25.5	0.0	
20	Pl2 BPSK	25	26	23.86	24.01	23.94	25.0	0.5	
20	Pl2 BPSK	50	0	23.86	23.97	23.81			
20	QPSK	1	1	24.56	24.64	24.53			
20	QPSK	1	26	24.51	24.62	24.53	25.5	0.0	
20	QPSK	1	49	24.48	24.55	24.38			
20	QPSK	25	0	23.27	23.37	23.23	24.5	1.0	
20	QPSK	25	13	24.41	24.53	24.45	25.5	0.0	
20	QPSK	25	26	23.48	23.50	23.46	24.5	1.0	
20	QPSK	50	0	23.51	23.58	23.51			
20	16QAM	1	1	23.14	23.19	23.17	24.5	1.0	
20	64QAM	1	1	21.65	21.76	21.67	23.0	2.5	
20	256QAM	1	1	20.25	20.32	20.26	21.0	4.5	
Channel				166300	167300	168300	Tune-up limit	MPR	
Frequency (MHz)				161.5	161.5	161.5	(dBm)	(dB)	
15	QPSK	1	1	24.39	24.50	24.44	25.5	0.0	
Channel				166800	167300	168800	Tune-up limit	MPR	
Frequency (MHz)				163	163.5	164	(dBm)	(dB)	
10	QPSK	1	1	24.39	24.55	24.36	25.5	0.0	

Full Power level/Default Power level for 5G NR_DFT-30									
n7 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
20	Pl2 BPSK	1	1	24.30	24.48	24.39			
20	Pl2 BPSK	1	26	24.49	24.53	24.47	25.5	0.0	
20	Pl2 BPSK	1	49	24.44	24.51	24.40			
20	Pl2 BPSK	25	0	24.15	24.26	24.13	25.0	0.5	
20	Pl2 BPSK	25	13	24.57	24.66	24.59	25.5	0.0	
20	Pl2 BPSK	25	26	24.09	24.17	24.08	25.0	0.5	
20	Pl2 BPSK	50	0	24.08	24.14	24.13			
20	QPSK	1	1	24.66	24.73	24.61			
20	QPSK	1	26	24.56	24.68	24.54	25.5	0.0	
20	QPSK	1	49	24.54	24.62	24.42			
20	QPSK	25	0	23.51	23.56	23.50	24.5	1.0	
20	QPSK	25	13	24.32	24.44	24.34	25.5	0.0	
20	QPSK	25	26	23.55	23.60	23.54	24.5	1.0	
20	QPSK	50	0	23.66	23.79	23.67			
20	16QAM	1	1	23.09	23.24	23.13	24.5	1.0	
20	64QAM	1	1	21.65	21.81	21.64	23.0	2.5	
20	256QAM	1	1	20.33	20.40	20.24	21.0	4.5	
Channel				501500	507000	512500	Tune-up limit	MPR	
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)	
15	QPSK	1	1	24.43	24.51	24.35	25.5	0.0	
Channel				501000	507000	513000	Tune-up limit	MPR	
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)	
10	QPSK	1	1	24.44	24.53	24.36	25.5	0.0	

n66 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				348000	349000	350000			
Frequency (MHz)				1740	1745	1750			
40	Pl2 BPSK	1	1	23.93	24.06	23.97			
40	Pl2 BPSK	1	53	23.82	23.89	23.77	25.0	0.0	
40	Pl2 BPSK	1	104	23.87	24.01	23.93			
40	Pl2 BPSK	50	0	23.56	23.61	23.50	24.5	0.5	
40	Pl2 BPSK	50	26	23.95	24.07	24.00	25.0	0.0	
40	Pl2 BPSK	50	56	23.51	23.64	23.58	24.5	0.5	
40	Pl2 BPSK	100	0	23.58	23.65	23.50			
40	QPSK	1	1	23.95	24.10	24.06			
40	QPSK	1	53	23.99	24.07	24.02	25.0	0.0	
40	QPSK	1	104	23.90	23.99	23.90			
40	QPSK	50	0	23.01	23.09	23.05	24.0	1.0	
40	QPSK	50	26	23.94	24.06	24.01	25.0	0.0	
40	QPSK	50	56	23.04	23.11	22.98	24.0	1.0	
40	QPSK	100	0	23.01	23.13	23.02			
40	16QAM	1	1	22.59	22.69	22.64	24.0	1.0	
40	64QAM	1	1	21.27	21.41	21.37	23.5	2.5	
40	256QAM	1	1	19.55	19.59	19.49	20.5	4.5	
Channel				348000	349000	350000	Tune-up limit	MPR	
Frequency (MHz)				1740	1745	1750	(dBm)	(dB)	
20	QPSK	1	1	23.98	23.99	23.98	25.0	0.0	
Channel				348000	349000	350000	Tune-up limit	MPR	
Frequency (MHz)				1737.5	1745	1752.5	(dBm)	(dB)	
15	QPSK	1	1	23.88	24.06	24.01	25.0	0.0	
Channel				1735000	1740000	1745000	Tune-up limit	MPR	
Frequency (MHz)				1735	1745	1755	(dBm)	(dB)	
10	QPSK	1	1	23.83	24.06	23.99	25.0	0.0	



n38 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	518000	518996	2599.98		
Frequency (MHz)				2599.02	2595	2599.98			
40	PQ2 BPSK	1	1	24.30	24.41	24.37			
40	PQ2 BPSK	1	53	24.21	24.26	24.19		25.5	0.0
40	PQ2 BPSK	1	104	24.28	24.34	24.25			
40	PQ2 BPSK	50	0	23.79	23.89	23.74		25.0	0.5
40	PQ2 BPSK	50	28	24.42	24.40	24.33		25.5	0.0
40	PQ2 BPSK	50	56	23.80	23.79	23.71			
40	PQ2 BPSK	100	0	23.79	23.90	23.79		25.0	0.5
40	QPSK	1	1	24.36	24.51	24.46			
40	QPSK	1	53	24.27	24.50	24.29		25.5	0.0
40	QPSK	1	104	24.32	24.41	24.31			
40	QPSK	50	0	23.52	23.56	23.40		24.5	1.0
40	QPSK	50	28	24.33	24.44	24.43		25.5	0.0
40	QPSK	50	56	23.52	23.59	23.59		24.5	1.0
40	QPSK	100	0	23.49	23.57	23.37			
40	16QAM	1	1	22.84	22.93	22.87		24.5	1.0
40	64QAM	1	1	21.38	21.50	21.44		23.0	2.5
40	256QAM	1	1	20.13	20.24	20.19		21.0	4.5
Channel				518000	518000	522000	Tune-up limit	MPR	
Frequency (MHz)				2580	2595	2610	(dBm)	(dB)	
20	QPSK	1	1	24.35	24.32	24.33		24.5	0.0
Channel				515202	515000	522000	Tune-up limit	MPR	
Frequency (MHz)				2577.51	2595	2612.49	(dBm)	(dB)	
15	QPSK	1	1	24.14	24.37	24.14		25.5	0.0
Channel				515004	518000	522996	Tune-up limit	MPR	
Frequency (MHz)				2575.02	2595	2614.98	(dBm)	(dB)	
10	QPSK	1	1	24.30	24.31	24.23		25.5	0.0

n41 PC3 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				508202	518598	526900			
Frequency (MHz)				2548.01	2592.99	2640			
100	PQ2 BPSK	1	1	23.07	23.11	23.06			
100	PQ2 BPSK	1	137	24.07	24.12	24.03		24.5	0.0
100	PQ2 BPSK	1	271	23.02	23.09	23.10			
100	PQ2 BPSK	135	0	23.73	23.88	23.83		24.5	0.0
100	PQ2 BPSK	135	69	23.97	24.07	23.96		24.5	0.0
100	PQ2 BPSK	135	138	23.72	23.83	23.75		24.5	0.0
100	PQ2 BPSK	270	0	23.67	23.81	23.66			
100	QPSK	1	1	23.02	23.13	23.08			
100	QPSK	1	137	24.13	24.18	24.05		24.5	0.0
100	QPSK	1	271	23.11	23.12	23.03			
100	QPSK	135	0	23.41	23.48	23.43		23.5	1.0
100	QPSK	135	69	23.96	24.02	23.87		24.5	0.0
100	QPSK	135	138	23.42	23.47	23.43		23.5	1.0
100	QPSK	270	0	23.41	23.48	23.46			
100	16QAM	1	1	22.69	22.82	22.78		23.5	1.0
100	64QAM	1	1	22.74	22.84	22.80		23.5	1.0
100	256QAM	1	1	21.88	21.94	21.80		22.5	2.0
Channel				508200	518598	526996	Tune-up limit	MPR	
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)	
90	QPSK	1	123	24.11	24.10	24.13		24.5	0.0
Channel				507204	518598	526996	Tune-up limit	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)	
80	QPSK	1	109	24.10	24.07	24.05		24.5	0.0
Channel				505200	518598	531996	Tune-up limit	MPR	
Frequency (MHz)				2626	2592.99	2659.99	(dBm)	(dB)	
60	QPSK	1	81	24.08	24.06	24.09		24.5	0.0
Channel				504204	518598	532996	Tune-up limit	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)	
50	QPSK	1	67	24.05	24.11	24.01		24.5	0.0
Channel				503202	518598	533996	Tune-up limit	MPR	
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)	
40	QPSK	1	53	24.01	24.14	24.09		24.5	0.0
Channel				501204	518598	535996	Tune-up limit	MPR	
Frequency (MHz)				2504.02	2592.99	2679.99	(dBm)	(dB)	
20	QPSK	1	26	24.03	24.05	24.02		24.5	0.0
Channel				500700	518598	536496	Tune-up limit	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)	(dB)	
15	QPSK	1	19	24.01	24.11	24.05		24.5	0.0
Channel				500202	518598	537000	Tune-up limit	MPR	
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)	
10	QPSK	1	12	24.05	24.03	24.09		24.5	0.0

n41 PC2 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				508202	518598	526900			
Frequency (MHz)				2548.01	2592.99	2640			
100	PQ2 BPSK	1	1	25.03	25.09	24.96			
100	PQ2 BPSK	1	137	25.95	26.08	26.03		27.0	0.0
100	PQ2 BPSK	1	271	25.03	25.11	25.04			
100	PQ2 BPSK	135	0	25.72	25.81	25.68		27.0	0.0
100	PQ2 BPSK	135	69	25.94	26.00	25.85		27.0	0.0
100	PQ2 BPSK	135	138	25.64	25.75	25.62		27.0	0.0
100	PQ2 BPSK	270	0	25.53	25.67	25.56			
100	QPSK	1	1	24.97	25.10	25.05			
100	QPSK	1	137	25.97	26.17	26.05		27.0	0.0
100	QPSK	1	271	25.07	25.16	25.10			
100	QPSK	135	0	25.86	25.89	25.64		27.0	0.0
100	QPSK	135	69	25.97	25.92	25.64		27.0	0.0
100	QPSK	135	138	25.90	25.85	25.61		27.0	0.0
100	QPSK	270	0	25.80	25.70	25.61			
100	16QAM	1	1	24.38	24.46	24.39		27.0	0.0
100	64QAM	1	1	23.23	23.31	23.21		24.5	2.5
100	256QAM	1	1	21.87	21.94	21.83		22.5	4.5
Channel				508200	518598	526996	Tune-up limit	MPR	
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)	
90	QPSK	1	123	26.08	26.15	26.01		27.0	0.0
Channel				507204	518598	526996	Tune-up limit	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)	
80	QPSK	1	109	26.03	26.06	26.13		27.0	0.0
Channel				505200	518598	531996	Tune-up limit	MPR	
Frequency (MHz)				2626	2592.99	2659.99	(dBm)	(dB)	
60	QPSK	1	81	26.01	26.13	26.02		27.0	0.0
Channel				504204	518598	532996	Tune-up limit	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)	
50	QPSK	1	67	26.07	26.05	26.03		27.0	0.0
Channel				503202	518598	533996	Tune-up limit	MPR	
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)	
40	QPSK	1	53	26.01	26.07	26.05		27.0	0.0
Channel				501204	518598	535996	Tune-up limit	MPR	
Frequency (MHz)				2504.02	2592.99	2679.99	(dBm)	(dB)	
20	QPSK	1	26	26.14	26.06	26.08		27.0	0.0
Channel				500700	518598	536496	Tune-up limit	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)	(dB)	
15	QPSK	1	19	26.02	26.10	26.08		27.0	0.0
Channel				500202	518598	537000	Tune-up limit	MPR	
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)	
10	QPSK	1	12	26.11	26.13	26.02		27.0	0.0

Part27Q 78 Ant2 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633334		25.0	0.0	
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		23.03		25.0	0.0	
100	PI/2 BPSK	1	137		23.27				
100	PI/2 BPSK	1	271		23.28		25.0	0.0	
100	PI/2 BPSK	135	0		23.18				
100	PI/2 BPSK	135	69		23.12		25.0	0.0	
100	PI/2 BPSK	135	138		23.08				
100	PI/2 BPSK	270	0		23.01		25.0	0.0	
100	QPSK	1	1		23.06				
100	QPSK	1	137		23.30		25.0	0.0	
100	QPSK	1	271		23.27				
100	QPSK	135	0		23.13		25.0	0.0	
100	QPSK	135	69		23.17				
100	QPSK	135	138		23.08		25.0	0.0	
100	QPSK	270	0		23.19				
100	16QAM	1	1		23.06		25.0	0.0	
100	64QAM	1	1		23.18				
100	256QAM	1	1		23.09		25.0	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	123		23.16	23.17	23.22	25.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109		23.26	23.23	23.24	25.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	81		23.17	23.18	23.26	25.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67		23.24	23.16	23.17	25.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53		23.23	23.18	23.15	25.0	0.0
Channel				630968	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26		23.20	23.16	23.18	25.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3451.5	3500.01	3543.23			
15	QPSK	1	19		23.20	23.22	23.19	25.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	12		23.19	23.22	23.15	25.0	0.0



Part27Q n77 PC2 Ant3 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PQ2 BPSK	1	1	25.12	633334	390001			
100	PQ2 BPSK	1	137	25.47			27.0	0.0	
100	PQ2 BPSK	1	271	25.13					
100	PQ2 BPSK	135	0	25.26			27.0	0.0	
100	PQ2 BPSK	135	69	25.35			27.0	0.0	
100	PQ2 BPSK	135	138	25.27			27.0	0.0	
100	PQ2 BPSK	270	0	25.33			27.0	0.0	
100	QPSK	1	1	25.10					
100	QPSK	1	137	25.63			27.0	0.0	
100	QPSK	1	271	25.21					
100	QPSK	135	0	25.41			27.0	0.0	
100	QPSK	135	69	25.51			27.0	0.0	
100	QPSK	135	138	25.33					
100	QPSK	270	0	25.24			27.0	0.0	
100	16QAM	1	1	24.34			26.0	1.0	
100	64QAM	1	1	22.90			24.5	2.5	
100	256QAM	1	1	21.72			23.0	4.0	
Channel									
Frequency (MHz)									
90	QPSK	1	123	25.37	633334	390502	27.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	109	25.33	633334	391003	27.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	81	25.34	633334	391504	27.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	67	25.31	633334	392005	27.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	53	25.27	633334	392506	27.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	26	25.37	633334	393007	27.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	19	25.36	633334	393508	27.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	12	25.36	633334	394009	27.0	0.0	

Part27O n78 PC3 Ant3 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PQ2 BPSK	1	1	23.13	3750	3750			
100	PQ2 BPSK	1	137	24.18			24.5	0.0	
100	PQ2 BPSK	1	271	23.50					
100	PQ2 BPSK	135	0	23.93			24.5	0.0	
100	PQ2 BPSK	135	69	24.18			24.5	0.0	
100	PQ2 BPSK	135	138	24.08			24.5	0.0	
100	PQ2 BPSK	270	0	24.01					
100	QPSK	1	1	23.18					
100	QPSK	1	137	24.25			24.5	0.0	
100	QPSK	1	271	23.50					
100	QPSK	135	0	23.94			24.5	0.0	
100	QPSK	135	69	24.18			24.5	0.0	
100	QPSK	135	138	24.10			24.5	0.0	
100	QPSK	270	0	24.02			24.5	0.0	
100	16QAM	1	1	22.96			23.5	1.0	
100	64QAM	1	1	22.93			23.5	1.0	
100	256QAM	1	1	21.94			22.0	2.5	
Channel									
Frequency (MHz)									
90	QPSK	1	123	24.06	649968	650032	24.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	109	24.06	649934	650066	24.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	81	24.05	649900	650100	24.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	67	24.13	649866	650134	24.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	53	24.15	649834	650166	24.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	26	24.12	649800	650200	24.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	19	24.14	649766	650234	24.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	12	24.05	649734	650266	24.5	0.0	

Part270 n78 PC2 Ant3 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (db)	
Channel									
Frequency (MHz)									
100	PQ2 BPSK	1	1	3750	3750	3750			
100	PQ2 BPSK	1	1	26.02			27.0	0.0	
100	PQ2 BPSK	1	271	25.55					
100	PQ2 BPSK	135	0	25.88			27.0	0.0	
100	PQ2 BPSK	135	69	26.15			27.0	0.0	
100	PQ2 BPSK	135	138	26.03			27.0	0.0	
100	PQ2 BPSK	270	0	26.06			27.0	0.0	
Channel									
Frequency (MHz)									
100	QPSK	1	1	25.13					
100	QPSK	1	137	26.18			27.0	0.0	
100	QPSK	1	271	25.42					
100	QPSK	135	0	25.97			27.0	0.0	
100	QPSK	135	69	26.07			27.0	0.0	
100	QPSK	135	138	26.06					
100	QPSK	270	0	26.03			27.0	0.0	
100	16QAM	1	1	25.14			26.0	1.0	
100	64QAM	1	1	23.65			24.5	2.5	
100	256QAM	1	1	22.19			23.0	4.0	
Channel									
Frequency (MHz)									
90	QPSK	1	123	26.02	649968	650032	27.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	109	26.08	649934	650066	27.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	81	26.07	649900	650100	27.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	67	26.02	649866	650134	27.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	53	26.11	649834	650166	27.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	26	26.09	649800	650200	27.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	19	26.08	649766	650234	27.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	12	26.01	649734	650266	27.0	0.0	

Part27Q 78 PC3 Ant3 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				633334		3500.01			
Frequency (MHz)						22.11			
100	Pl2 BPSK	1	1			24.14	24.5	0.0	
100	Pl2 BPSK	1	137			23.56			
100	Pl2 BPSK	1	271			23.98			
100	Pl2 BPSK	135	0			24.08	24.5	0.0	
100	Pl2 BPSK	135	69			24.03			
100	Pl2 BPSK	135	138			24.03			
100	Pl2 BPSK	270	0			23.16	24.5	0.0	
100	QPSK	1	1			24.07			
100	QPSK	1	137			24.04			
100	QPSK	1	271			23.56	24.5	0.0	
100	QPSK	135	0			24.07			
100	QPSK	135	69			24.19			
100	QPSK	135	138			24.05	24.5	0.0	
100	QPSK	270	0			24.08			
100	16QAM	1	1			23.21			
100	64QAM	1	1			23.14	24.5	0.0	
100	256QAM	1	1			21.91			
100	256QAM	1	1			22.0			
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dbm)	(db)	
90	QPSK	1	123	24.17	24.13	24.12	24.5	0.0	
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dbm)	(db)	
80	QPSK	1	109	24.18	24.20	24.14	24.5	0.0	
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dbm)	(db)	
60	QPSK	1	81	24.15	24.13	24.19	24.5	0.0	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3473.01	3500.01	3526.01	(dbm)	(db)	
50	QPSK	1	67	24.11	24.14	24.16	24.5	0.0	
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3526.01	(dbm)	(db)	
40	QPSK	1	53	24.12	24.22	24.17	24.5	0.0	
Channel				630968	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dbm)	(db)	
20	QPSK	1	26	24.23	24.18	24.12	24.5	0.0	
Channel				630500	633334	636568	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dbm)	(db)	
15	QPSK	1	19	24.18	24.17	24.22	24.5	0.0	
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dbm)	(db)	
10	QPSK	1	12	24.13	24.19	24.17	24.5	0.0	

Part27Q 78 PC2 Ant3 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				633334		3500.01			
Frequency (MHz)						3500.01			
100	P2 BPSK	1	1		25.10		27.0	0.0	
100	P2 BPSK	1	137		25.62				
100	P2 BPSK	1	271		25.97				
100	P2 BPSK	135	0		26.15		27.0	0.0	
100	P2 BPSK	135	69		26.03				
100	P2 BPSK	135	138		26.13				
100	P2 BPSK	270	0		26.13		27.0	0.0	
100	QPSK	1	1		25.23				
100	QPSK	1	137		25.58				
100	QPSK	1	271		25.97		27.0	0.0	
100	QPSK	135	0		26.12				
100	QPSK	135	69		26.17				
100	QPSK	135	138		26.09		27.0	0.0	
100	QPSK	270	0		25.15				
100	16QAM	1	1		25.21				
100	64QAM	1	1		23.81		26.0	2.5	2.5
100	256QAM	1	1		22.31		23.0	4.0	4.0
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dbm)	(db)	
90	QPSK	1	123	25.11	25.16	25.18	27.0	0.0	
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dbm)	(db)	
80	QPSK	1	109	25.16	25.15	25.14	27.0	0.0	
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dbm)	(db)	
60	QPSK	1	81	25.14	25.20	25.20	27.0	0.0	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525.02	(dbm)	(db)	
50	QPSK	1	67	25.18	25.10	25.18	27.0	0.0	
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3473.01	3500.01	3526.01	(dbm)	(db)	
40	QPSK	1	53	25.12	25.20	25.12	27.0	0.0	
Channel				630968	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dbm)	(db)	
20	QPSK	1	26	25.19	25.15	25.12	27.0	0.0	
Channel				630500	633334	636568	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dbm)	(db)	
15	QPSK	1	19	25.15	25.09	25.16	27.0	0.0	
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dbm)	(db)	
10	QPSK	1	12	25.15	25.17	25.12	27.0	0.0	



n5 Ant4 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166300	167300	167600	25.5	0.0	
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	24.43	24.48	24.37	25.5	0.0	
20	PI2 BPSK	1	26	24.56	24.64	24.59			
20	PI2 BPSK	1	49	24.44	24.52	24.45			
20	PI2 BPSK	25	0	24.01	24.15	24.04	25.0	0.5	
20	PI2 BPSK	25	13	24.58	24.66	24.54	25.5	0.0	
20	PI2 BPSK	25	26	24.03	24.15	24.03	25.0	0.5	
20	PI2 BPSK	50	0	24.09	24.20	24.13			
20	QPSK	1	1	24.63	24.69	24.57			
20	QPSK	1	26	24.52	24.59	24.48	25.5	0.0	
20	QPSK	1	49	24.40	24.46	24.35			
20	QPSK	25	0	23.56	23.63	23.55	24.5	1.0	
20	QPSK	25	13	24.43	24.55	24.44	25.5	0.0	
20	QPSK	25	26	23.56	23.62	23.53	24.5	1.0	
20	QPSK	50	0	23.53	23.66	23.61			
20	16QAM	1	1	23.16	23.24	23.16	24.5	1.0	
20	64QAM	1	1	21.66	21.79	21.69	23.0	2.5	
20	256QAM	1	1	20.28	20.33	20.24	21.0	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5	25.5	0.0	
15	QPSK	1	1	24.50	24.63	24.51			
Channel				167200	167720	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844	25.5	0.0	
10	QPSK	1	1	24.52	24.55	24.46			

n7 Ant4 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000	25.5	0.0	
Frequency (MHz)				2510	2535	2560			
20	PI2 BPSK	1	1	24.18	24.31	24.25	25.5	0.0	
20	PI2 BPSK	1	26	24.42	24.49	24.37			
20	PI2 BPSK	1	49	24.24	24.38	24.24			
20	PI2 BPSK	25	0	24.01	24.14	24.03	25.0	0.5	
20	PI2 BPSK	25	13	24.16	24.26	24.18	25.5	0.0	
20	PI2 BPSK	25	26	23.88	23.98	23.91	25.0	0.5	
20	PI2 BPSK	50	0	23.93	24.06	23.96			
20	QPSK	1	1	24.44	24.57	24.50			
20	QPSK	1	26	24.31	24.43	24.38	25.5	0.0	
20	QPSK	1	49	24.20	24.31	24.23			
20	QPSK	25	0	23.51	23.59	23.53	24.5	1.0	
20	QPSK	25	13	24.44	24.53	24.45	25.5	0.0	
20	QPSK	25	26	23.43	23.48	23.39	24.5	1.0	
20	QPSK	50	0	23.45	23.55	23.41			
20	16QAM	1	1	22.98	23.03	22.94	24.5	1.0	
20	64QAM	1	1	21.46	21.56	21.47	23.0	2.5	
20	256QAM	1	1	20.08	20.23	20.15	21.0	4.5	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	25.5	0.0	
15	QPSK	1	1	24.29	24.47	24.40			
Channel				510000	520000	530000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	25.5	0.0	
10	QPSK	1	1	24.38	24.50	24.38			

n66 Ant4 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	350000	25.0	0.0	
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	23.78	23.91	23.87	25.0	0.0	
40	PI2 BPSK	1	53	23.81	23.86	23.74			
40	PI2 BPSK	1	104	23.75	23.82	23.78			
40	PI2 BPSK	50	0	23.22	23.36	23.25	24.5	0.5	
40	PI2 BPSK	50	26	23.79	23.84	23.80	25.0	0.0	
40	PI2 BPSK	50	56	23.23	23.37	23.26	24.5	0.5	
40	PI2 BPSK	100	0	23.22	23.33	23.26			
40	QPSK	1	1	23.88	23.95	23.85			
40	QPSK	1	53	23.75	23.85	23.71	25.0	0.0	
40	QPSK	1	104	23.83	23.89	23.77			
40	QPSK	50	0	22.92	23.03	22.97	24.0	1.0	
40	QPSK	50	26	23.78	23.83	23.69	25.0	0.0	
40	QPSK	50	56	22.87	22.97	22.83	24.0	1.0	
40	QPSK	100	0	22.96	23.06	22.92			
40	16QAM	1	1	22.39	22.52	22.46	24.0	1.0	
40	64QAM	1	1	21.19	21.25	21.22	22.5	2.5	
40	256QAM	1	1	19.29	19.42	19.30	20.5	4.5	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770	25.0	0.0	
20	QPSK	1	1	23.79	23.90	23.73			
Channel				343000	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	25.0	0.0	
15	QPSK	1	1	23.81	23.91	23.77			
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	25.0	0.0	
10	QPSK	1	1	23.76	23.86	23.66			



n38 Ant4 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	518000	518996			
Frequency (MHz)				2580.00	2595	2599.98			
40	PQ2 BPSK	1	1	24.28	24.36	24.23			
40	PQ2 BPSK	1	53	24.46	24.51	24.37		25.5	0.0
40	PQ2 BPSK	1	104	24.34	24.43	24.34			
40	PQ2 BPSK	50	0	23.97	24.03	23.95		25.0	0.5
40	PQ2 BPSK	50	28	24.50	24.57	24.43		25.5	0.0
40	PQ2 BPSK	50	56	23.88	23.99	23.84			
40	PQ2 BPSK	100	0	23.89	24.06	23.95		25.0	0.5
40	QPSK	1	1	24.54	24.72	24.50			
40	QPSK	1	53	24.35	24.70	24.40		25.5	0.0
40	QPSK	1	104	24.18	24.33	24.23			
40	QPSK	50	0	23.44	23.55	23.42		25.5	0.0
40	QPSK	50	28	24.27	24.41	24.29		25.5	0.0
40	QPSK	50	56	23.42	23.53	23.45		25.5	0.0
40	QPSK	100	0	23.48	23.57	23.51			
40	16QAM	1	1	23.12	23.19	23.09		24.5	1.0
40	64QAM	1	1	21.59	21.70	21.55		23.0	2.5
40	256QAM	1	1	20.26	20.37	20.27		21.0	4.5
Channel				518000	518000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	24.54	24.39	24.36		25.5	0.0
Channel				518200	518000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	24.34	24.59	24.17		25.5	0.0
Channel				518004	518000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2583.02	2595	2614.08			
10	QPSK	1	1	24.14	24.69	24.35		25.5	0.0

n41 PC3 Ant4 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				508000	518598	528000			
Frequency (MHz)				2548.01	2592.99	2640			
100	PQ2 BPSK	1	1	23.16	23.09	23.01			
100	PQ2 BPSK	1	137	24.13	24.27	24.17		24.5	0.0
100	PQ2 BPSK	1	271	23.23	23.28	23.23			
100	PQ2 BPSK	135	0	23.94	24.05	23.94		24.5	0.0
100	PQ2 BPSK	135	69	24.08	24.23	24.11		24.5	0.0
100	PQ2 BPSK	135	138	23.90	24.02	23.93			
100	PQ2 BPSK	270	0	23.91	24.04	23.95		24.5	0.0
100	QPSK	1	1	23.20	23.24	23.17			
100	QPSK	1	137	24.33	24.38	24.32		24.5	0.0
100	QPSK	1	271	23.27	23.33	23.25			
100	QPSK	135	0	23.90	24.04	23.98		24.5	0.0
100	QPSK	135	69	24.16	24.27	24.18		24.5	0.0
100	QPSK	135	138	23.98	24.02	23.99			
100	QPSK	270	0	23.98	24.06	23.98		24.5	0.0
100	16QAM	1	1	22.90	23.02	22.98		23.5	1.0
100	64QAM	1	1	22.89	22.93	22.85		23.5	1.0
100	256QAM	1	1	21.95	21.98	21.92		22.0	2.5
Channel				508200	518598	528998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	123	23.16	23.18	23.11		24.5	0.0
Channel				508204	518598	529598	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	109	23.10	23.13	23.06		24.5	0.0
Channel				508200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2626	2602.99	2659.99			
60	QPSK	1	81	23.11	23.19	23.02		24.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2621.02	2592.99	2664.99			
50	QPSK	1	67	23.13	23.17	23.13		24.5	0.0
Channel				508204	518598	533998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	23.11	23.17	23.03		24.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2629.02	2592.99	2679.99			
20	QPSK	1	28	23.14	23.12	23.12		24.5	0.0
Channel				500700	518598	536498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2603.5	2592.99	2682.48			
15	QPSK	1	19	23.14	23.16	23.10		24.5	0.0
Channel				502002	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	12	23.15	23.14	23.12		24.5	0.0

n41 PC2 Ant4 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				508000	518598	528000			
Frequency (MHz)				2548.01	2592.99	2640			
100	PQ2 BPSK	1	1	25.34	25.43	25.32			
100	PQ2 BPSK	1	137	25.86	25.99	25.89			
100	PQ2 BPSK	1	271	25.35	25.48	25.43		27.0	0.0
100	PQ2 BPSK	135	0	25.85	25.93	25.86		27.0	0.0
100	PQ2 BPSK	135	69	25.85	25.97	25.85		27.0	0.0
100	PQ2 BPSK	135	138	25.85	25.91	25.78			
100	PQ2 BPSK	270	0	25.77	25.88	25.76		27.0	0.0
100	QPSK	1	1	25.41	25.55	25.48			
100	QPSK	1	137	25.94	26.08	25.88		27.0	0.0
100	QPSK	1	271	25.40	25.51	25.47			
100	QPSK	135	0	25.89	25.93	25.84		27.0	0.0
100	QPSK	135	69	25.94	26.01	25.89		27.0	0.0
100	QPSK	135	138	25.93	25.88	25.73			
100	QPSK	270	0	25.93	25.97	25.90		27.0	0.0
100	16QAM	1	1	24.87	24.85	24.88		26.0	1.0
100	64QAM	1	1	23.44	23.50	23.47		24.5	2.5
100	256QAM	1	1	21.99	22.07	21.94		23.0	4.0
Channel				508200	518598	528998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	123	25.33	25.41	25.42		27.0	0.0
Channel				508204	518598	529598	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	109	25.34	25.52	25.43		27.0	0.0
Channel				508200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2626	2602.99	2659.99			
60	QPSK	1	81	25.35	25.43	25.30		27.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2621.02	2592.99	2664.99			
50	QPSK	1	67	25.31	25.52	25.40		27.0	0.0
Channel				508204	518598	533998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	25.30	25.44	25.41		27.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2629.02	2592.99	2679.99			
20	QPSK	1	28	25.34	25.51	25.40		27.0	0.0
Channel				500700	518598	536498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2603.5	2592.99	2682.48			
15	QPSK	1	19	25.31	25.47	25.41		27.0	0.0
Channel				502002	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	12	25.33	25.44	25.35		27.0	0.0



Par270 n77 Ant5 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3840	3930		
100	PQ2 BPSK	1	1	17.53	17.59	17.52	19.5	0.0
100	PQ2 BPSK	1	137	17.51	17.59	17.52		
100	PQ2 BPSK	1	271	17.54	17.57	17.51		
100	PQ2 BPSK	135	0	17.53	17.60	17.53	19.5	0.0
100	PQ2 BPSK	135	69	17.52	17.57	17.55	19.5	0.0
100	PQ2 BPSK	135	138	17.53	17.56	17.51	19.5	0.0
100	PQ2 BPSK	270	0	17.53	17.57	17.52		
100	QPSK	1	1	17.53	17.59	17.51	19.5	0.0
100	QPSK	1	137	17.52	17.61	17.54		
100	QPSK	1	271	17.51	17.59	17.53		
100	QPSK	135	0	17.54	17.56	17.51	19.5	0.0
100	QPSK	135	69	17.52	17.56	17.53	19.5	0.0
100	QPSK	135	138	17.52	17.52	17.51	19.5	0.0
100	QPSK	270	0	17.52	17.53	17.52		
100	16QAM	1	1	17.53	17.51	17.52	19.5	0.0
100	64QAM	1	1	17.54	17.59	17.51	19.5	0.0
100	256QAM	1	1	17.52	17.57	17.51	19.5	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	123	17.57	17.59	17.51	19.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	109	17.52	17.59	17.52	19.5	0.0
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3738.02	3840	3950.01		
60	QPSK	1	81	17.51	17.55	17.59	19.5	0.0
Channel				648334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	67	17.58	17.51	17.51	19.5	0.0
Channel				648000	650000	650000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	53	17.58	17.59	17.56	19.5	0.0
Channel				647334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3718.01	3840	3970.02		
20	QPSK	1	26	17.58	17.52	17.59	19.5	0.0
Channel				647168	650000	650834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	19	17.54	17.53	17.54	19.5	0.0
Channel				647000	650000	650000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	12	17.51	17.59	17.51	19.5	0.0

Part27Q n77 Ant5 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)
Channel				633334				
Frequency (MHz)				3500.01				
100	PQ2 BPSK	1	1		17.57		19.5	0.0
100	PQ2 BPSK	1	137		17.55			
100	PQ2 BPSK	1	271		17.54			
100	PQ2 BPSK	135	0		17.56		19.5	0.0
100	PQ2 BPSK	135	69		17.53			
100	PQ2 BPSK	135	138		17.52			
100	PQ2 BPSK	270	0		17.55		19.5	0.0
100	QPSK	1	1		17.57		19.5	0.0
100	QPSK	1	137		17.58			
100	QPSK	1	271		17.51			
100	QPSK	135	0		17.55		19.5	0.0
100	QPSK	135	69		17.57			
100	QPSK	135	138		17.47			
100	QPSK	270	0		17.51		19.5	0.0
100	16QAM	1	1		17.51		19.5	0.0
100	64QAM	1	1		17.55		19.5	0.0
100	256QAM	1	1		17.56		19.5	0.0
Channel				633000	633334	633668	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	123	17.55	17.56	17.54	19.5	0.0
Channel				632668	633334	634000	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	109	17.56	17.57	17.55	19.5	0.0
Channel				632000	633334	634668	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	17.55	17.55	17.53	19.5	0.0
Channel				631668	633334	635000	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	17.56	17.55	17.55	19.5	0.0
Channel				631334	633334	635334	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	17.54	17.57	17.53	19.5	0.0
Channel				630668	633334	636000	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3468.02	3500.01	3540		
20	QPSK	1	26	17.52	17.51	17.53	19.5	0.0
Channel				630500	633334	636168	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	17.53	17.56	17.55	19.5	0.0
Channel				630334	633334	636334	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	17.54	17.56	17.53	19.5	0.0

Part27O n78 Ant5 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PQ2 BPSK	1	1		17.58		19.5	0.0
100	PQ2 BPSK	1	137		17.54			
100	PQ2 BPSK	1	271		17.51			
100	PQ2 BPSK	135	0		17.54		19.5	0.0
100	PQ2 BPSK	135	69		17.56		19.5	0.0
100	PQ2 BPSK	135	138		17.56		19.5	0.0
100	PQ2 BPSK	270	0		17.53			
100	QPSK	1	1		17.55		19.5	0.0
100	QPSK	1	137		17.66			
100	QPSK	1	271		17.54			
100	QPSK	135	0		17.52		19.5	0.0
100	QPSK	135	69		17.62		19.5	0.0
100	QPSK	135	138		17.56		19.5	0.0
100	QPSK	270	0		17.51			
100	16QAM	1	1		17.51		19.5	0.0
100	64QAM	1	1		17.55		19.5	0.0
100	256QAM	1	1		17.56		19.5	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	123	17.54	17.61	17.53	19.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	109	17.55	17.60	17.53	19.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3738.02	3750	3768.01		
60	QPSK	1	81	17.54	17.59	17.54	19.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	67	17.54	17.60	17.55	19.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	53	17.55	17.61	17.54	19.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3718.01	3750	3790.02		
20	QPSK	1	26	17.55	17.60	17.54	19.5	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	19	17.53	17.59	17.52	19.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	12	17.54	17.59	17.54	19.5	0.0

Part27Q 78 Ant5 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				633334			19.5	0.0	
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1		17.54		19.5	0.0	
100	PI2 BPSK	1	137		17.53				
100	PI2 BPSK	1	271		17.54				
100	PI2 BPSK	135	0		17.52				
100	PI2 BPSK	135	69		17.43		19.5	0.0	
100	PI2 BPSK	135	138		17.46				
100	PI2 BPSK	270	0		17.53				
100	QPSK	1	1		17.51				
100	QPSK	1	137		17.52		19.5	0.0	
100	QPSK	1	271		17.51				
100	QPSK	135	0		17.53				
100	QPSK	135	69		17.55				
100	QPSK	135	138		17.53		19.5	0.0	
100	QPSK	270	0		17.53				
100	16QAM	1	1		17.51				
100	64QAM	1	1		17.53				
100	256QAM	1	1		17.51		19.5	0.0	
Channel				633000	633334	633668	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	123		17.56	17.60	17.55	19.5	0.0
Channel				632666	633334	634000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109		17.54	17.57	17.53	19.5	0.0
Channel				632000	633334	634668	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	81		17.55	17.59	17.54	19.5	0.0
Channel				631668	633334	635000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67		17.53	17.57	17.53	19.5	0.0
Channel				631334	633334	635334	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53		17.57	17.60	17.53	19.5	0.0
Channel				630668	633334	636000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	28		17.55	17.59	17.52	19.5	0.0
Channel				630000	633334	636368	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	19		17.54	17.57	17.53	19.5	0.0
Channel				630334	633334	636334	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	12		17.53	17.60	17.56	19.5	0.0



Par270 n77 Ant6 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	20.51	20.65	20.58	22.5	0.0	
100	PI2 BPSK	1	137	20.61	20.69	20.53			
100	PI2 BPSK	1	271	20.63	20.58	20.61			
100	PI2 BPSK	135	0	20.63	20.53	20.58			
100	PI2 BPSK	135	69	20.51	20.67	20.57	22.5	0.0	
100	PI2 BPSK	135	138	20.58	20.59	20.51	22.5	0.0	
100	PI2 BPSK	270	0	20.62	20.63	20.51	22.5	0.0	
100	QPSK	1	1	20.51	20.54	20.68			
100	QPSK	1	137	20.65	20.70	20.67			
100	QPSK	1	271	20.52	20.61	20.57			
100	QPSK	135	0	20.55	20.52	20.67	21.5	1.0	
100	QPSK	135	69	20.56	20.69	20.65	22.5	0.0	
100	QPSK	135	138	20.36	20.46	20.28	21.5	1.0	
100	QPSK	270	0	20.63	20.65	20.60	22.5	0.0	
100	16QAM	1	1	20.53	20.61	20.51			
100	64QAM	1	1	20.59	20.51	20.59			
100	256QAM	1	1	20.55	20.51	20.55			
Channel				648000	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	123	20.54	20.67	20.64	22.5	0.0	
Channel				649334	650000	650968	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	109	20.55	20.67	20.61	22.5	0.0	
Channel				648968	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	81	20.54	20.65	20.61	22.5	0.0	
Channel				648334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	67	20.55	20.66	20.60	22.5	0.0	
Channel				648000	650000	650400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	53	20.54	20.65	20.62	22.5	0.0	
Channel				647204	650000	650500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	26	20.53	20.67	20.64	22.5	0.0	
Channel				647168	650000	650434	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3702.52	3840	3972.51			
15	QPSK	1	19	20.54	20.65	20.64	22.5	0.0	
Channel				647000	650000	650500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	12	20.56	20.64	20.62	22.5	0.0	

Part27Q n77 Ant6 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633334	633668			
Frequency (MHz)				3500.01	3533.34	3566.68			
100	PI2 BPSK	1	1	20.64	20.67	20.67	22.5	0.0	
100	PI2 BPSK	1	137	20.67	20.67	20.67			
100	PI2 BPSK	1	271	20.59	20.59	20.59			
100	PI2 BPSK	135	0	20.54	20.54	20.54			
100	PI2 BPSK	135	69	20.65	20.65	20.65	22.5	0.0	
100	PI2 BPSK	135	138	20.58	20.58	20.58	22.5	0.0	
100	PI2 BPSK	270	0	20.63	20.63	20.63	22.5	0.0	
100	QPSK	1	1	20.56	20.56	20.56			
100	QPSK	1	137	20.68	20.68	20.67			
100	QPSK	1	271	20.60	20.60	20.60			
100	QPSK	135	0	20.53	20.53	20.53	21.5	1.0	
100	QPSK	135	69	20.67	20.67	20.67	22.5	0.0	
100	QPSK	135	138	20.51	20.51	20.51	21.5	1.0	
100	QPSK	270	0	20.65	20.65	20.65	22.5	0.0	
100	16QAM	1	1	20.60	20.60	20.60			
100	64QAM	1	1	20.52	20.52	20.52			
100	256QAM	1	1	20.53	20.53	20.53			
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	123	20.54	20.66	20.63	22.5	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109	20.55	20.66	20.61	22.5	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3505.02			
60	QPSK	1	81	20.56	20.67	20.62	22.5	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67	20.54	20.64	20.63	22.5	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53	20.52	20.65	20.62	22.5	0.0	
Channel				630668	633334	635900	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26	20.55	20.67	20.62	22.5	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.52	3500.01	3542.52			
15	QPSK	1	19	20.56	20.67	20.64	22.5	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	12	20.54	20.67	20.62	22.5	0.0	

Part270 n78 Ant6 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1	20.61	20.61	20.61	22.5	0.0	
100	PI2 BPSK	1	137	20.69	20.69	20.69			
100	PI2 BPSK	1	271	20.70	20.70	20.70			
100	PI2 BPSK	135	0	20.73	20.73	20.73			
100	PI2 BPSK	135	69	20.59	20.59	20.59	22.5	0.0	
100	PI2 BPSK	135	138	20.66	20.66	20.66	22.5	0.0	
100	PI2 BPSK	270	0	20.71	20.71	20.71	22.5	0.0	
100	QPSK	1	1	20.60	20.60	20.60			
100	QPSK	1	137	20.76	20.76	20.76			
100	QPSK	1	271	20.61	20.61	20.61			
100	QPSK	135	0	20.61	20.61	20.61	21.5	1.0	
100	QPSK	135	69	20.65	20.65	20.65	22.5	0.0	
100	QPSK	135	138	20.46	20.46	20.46	21.5	1.0	
100	QPSK	270	0	20.71	20.71	20.71	22.5	0.0	
100	16QAM	1	1	20.64	20.64	20.64			
100	64QAM	1	1	20.69	20.69	20.69			
100	256QAM	1	1	20.64	20.64	20.64			
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	123	20.55	20.66	20.62	22.5	0.0	
Channel				649334	650000	650968	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	109	20.52	20.66	20.60	22.5	0.0	
Channel				648968	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735.02	3750	3765.01			
60	QPSK	1	81	20.54	20.67	20.63	22.5	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	67	20.55	20.66	20.61	22.5	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	53	20.54	20.64	20.62	22.5	0.0	
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	25	20.52	20.68	20.64	22.5	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	19	20.54	20.65	20.63	22.5	0.0	
Channel				642000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	12	20.54	20.65	20.61	22.5	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1		20.59		22.5	0.0
100	PI/2 BPSK	1	137		20.71			
100	PI/2 BPSK	1	271		20.72		22.5	0.0
100	PI/2 BPSK	135	0		20.72			
100	PI/2 BPSK	135	69		20.60		22.5	0.0
100	PI/2 BPSK	135	138		20.67			
100	PI/2 BPSK	270	0		20.71		22.5	0.0
100	QPSK	1	1		20.80			
100	QPSK	1	137		20.73		22.5	0.0
100	QPSK	1	271		20.59			
100	QPSK	135	0		20.63		22.5	0.0
100	QPSK	135	69		20.65			
100	QPSK	135	138		20.52		22.5	0.0
100	QPSK	270	0		20.74			
100	16QAM	1	1		20.63		22.5	0.0
100	64QAM	1	1		20.67			
100	256QAM	1	1		20.65		22.5	0.0
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	123	20.56	20.66	20.61	22.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	109	20.53	20.68	20.63	22.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	20.53	20.65	20.61	22.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	20.54	20.65	20.64	22.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	20.55	20.66	20.63	22.5	0.0
Channel				630668	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26	20.55	20.64	20.63	22.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3572.52		
15	QPSK	1	19	20.53	20.68	20.61	22.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	20.54	20.66	20.61	22.5	0.0



n5 Ant1 Default/DS11 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800	25.5	0.0	
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	24.49	24.61	24.47	25.5	0.0	
20	PI2 BPSK	1	26	24.47	24.54	24.45			
20	PI2 BPSK	1	49	24.39	24.47	24.37			
20	PI2 BPSK	25	0	23.70	23.81	23.72	25.0	0.5	
20	PI2 BPSK	25	13	24.35	24.41	24.41	25.5	0.0	
20	PI2 BPSK	25	26	23.86	24.01	23.94	25.0	0.5	
20	PI2 BPSK	50	0	23.86	23.97	23.81			
20	QPSK	1	1	24.56	24.64	24.53			
20	QPSK	1	26	24.51	24.62	24.53	25.5	0.0	
20	QPSK	1	49	24.49	24.55	24.38			
20	QPSK	25	0	23.27	23.37	23.23	24.5	1.0	
20	QPSK	25	13	24.41	24.53	24.45	25.5	0.0	
20	QPSK	25	26	23.48	23.50	23.46	24.5	1.0	
20	QPSK	50	0	23.51	23.58	23.51	24.5	1.0	
20	16QAM	1	1	23.14	23.19	23.17	24.5	1.0	
20	64QAM	1	1	21.65	21.76	21.67	23.0	2.5	
20	256QAM	1	1	20.25	20.32	20.26	21.0	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	24.39	24.42	24.44	25.5	0.0	
Channel				165200	167200	169200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	24.39	24.55	24.36	25.5	0.0	

Reduced power level for 5G NR									
n7 Ant1 Default/DS11 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				500000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	PI2 BPSK	1	1	24.30	24.48	24.39	25.5	0.0	
20	PI2 BPSK	1	26	24.49	24.53	24.47			
20	PI2 BPSK	1	49	24.44	24.51	24.40			
20	PI2 BPSK	25	0	24.15	24.26	24.13	25.0	0.5	
20	PI2 BPSK	25	13	24.57	24.66	24.59	25.5	0.0	
20	PI2 BPSK	25	26	24.09	24.17	24.08	25.0	0.5	
20	PI2 BPSK	50	0	24.06	24.14	24.13			
20	QPSK	1	1	24.66	25.73	24.61			
20	QPSK	1	26	24.56	24.68	24.54	25.5	0.0	
20	QPSK	1	49	24.54	24.62	24.42			
20	QPSK	25	0	23.51	23.58	23.50	24.5	1.0	
20	QPSK	25	13	24.32	24.44	24.36	25.5	0.0	
20	QPSK	25	26	23.55	23.60	23.54	24.5	1.0	
20	QPSK	50	0	23.66	23.79	23.57	24.5	1.0	
20	16QAM	1	1	23.09	23.24	23.13	24.5	1.0	
20	64QAM	1	1	21.65	21.81	21.64	23.0	2.5	
20	256QAM	1	1	20.33	20.40	20.24	21.0	4.5	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	24.43	24.51	24.35	25.5	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	24.44	24.53	24.36	25.5	0.0	

n66 Ant1 Default/DS11 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	23.93	24.06	23.97	25.0	0.0	
40	PI2 BPSK	1	53	23.82	23.89	23.77			
40	PI2 BPSK	1	104	23.87	24.01	23.83			
40	PI2 BPSK	50	0	23.58	23.61	23.50	24.5	0.5	
40	PI2 BPSK	50	26	23.95	24.07	24.00	25.0	0.0	
40	PI2 BPSK	50	58	23.51	23.64	23.58	24.5	0.5	
40	PI2 BPSK	100	0	23.38	23.65	23.50			
40	QPSK	1	1	23.95	24.10	24.06			
40	QPSK	1	53	23.96	24.07	24.02	25.0	0.0	
40	QPSK	1	104	23.90	23.99	23.90			
40	QPSK	50	0	23.01	23.09	23.05	24.0	1.0	
40	QPSK	50	26	23.94	24.06	24.01	25.0	0.0	
40	QPSK	50	58	23.04	23.11	22.98	24.0	1.0	
40	QPSK	100	0	23.01	23.13	23.02	24.0	1.0	
40	16QAM	1	1	22.59	22.69	22.64	24.0	1.0	
40	64QAM	1	1	21.27	21.41	21.37	22.5	2.5	
40	256QAM	1	1	19.55	19.59	19.48	20.5	4.5	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	23.98	23.99	23.86	25.0	0.0	
Channel				343500	349000	349500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	23.85	24.06	24.01	25.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	23.83	24.06	23.99	25.0	0.0	



n38 Ant1 Default/DS11 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	518000	518996			
Frequency (MHz)				2580.02	2586	2599.98			
40	PQ2 BPSK	1	1	24.30	24.41	24.37			
40	PQ2 BPSK	1	53	24.21	24.26	24.19		25.5	0.0
40	PQ2 BPSK	1	104	24.28	24.34	24.25			
40	PQ2 BPSK	50	0	23.79	23.89	23.74		25.0	0.5
40	PQ2 BPSK	50	28	24.42	24.40	24.33		25.5	0.0
40	PQ2 BPSK	50	56	23.80	23.79	23.71			
40	PQ2 BPSK	100	0	23.79	23.96	23.79		25.0	0.5
40	QPSK	1	1	24.36	24.51	24.46			
40	QPSK	1	53	24.27	24.50	24.29		25.5	0.0
40	QPSK	1	104	24.32	24.41	24.31			
40	QPSK	50	0	23.52	23.56	23.40		24.5	1.0
40	QPSK	50	28	24.33	24.44	24.43		25.5	0.0
40	QPSK	50	56	23.52	23.59	23.59		24.5	1.0
40	QPSK	100	0	23.49	23.57	23.37			
40	16QAM	1	1	22.84	22.93	22.87		24.5	1.0
40	64QAM	1	1	21.38	21.50	21.44		23.0	2.5
40	256QAM	1	1	20.13	20.24	20.19		21.0	4.5
Channel				518000	518000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2596	2610			
20	QPSK	1	1	24.35	24.32	24.33		24.5	0.0
Channel				515202	515000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2596	2612.49			
15	QPSK	1	1	24.14	24.37	24.14		25.5	0.0
Channel				515004	518000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2578.02	2596	2614.08			
10	QPSK	1	1	24.30	24.31	24.23		25.5	0.0

n41 PC3 Ant1 Default/DS11 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				508202	518598	526000			
Frequency (MHz)				2548.01	2592.99	2640			
100	PQ2 BPSK	1	1	23.07	23.11	23.06			
100	PQ2 BPSK	1	137	24.07	24.12	24.03		24.5	0.0
100	PQ2 BPSK	1	271	23.02	23.09	23.10			
100	PQ2 BPSK	135	0	23.73	23.88	23.83		24.5	0.0
100	PQ2 BPSK	135	69	23.97	24.07	23.96		24.5	0.0
100	PQ2 BPSK	135	138	23.72	23.83	23.75			
100	PQ2 BPSK	270	0	23.67	23.81	23.66		24.5	0.0
100	QPSK	1	1	23.02	23.13	23.08			
100	QPSK	1	137	24.13	24.18	24.05		24.5	0.0
100	QPSK	1	271	23.11	23.12	23.03			
100	QPSK	135	0	23.41	23.48	23.43		23.5	1.0
100	QPSK	135	69	23.96	24.02	23.87		24.5	0.0
100	QPSK	135	138	23.42	23.47	23.43			
100	QPSK	270	0	23.41	23.48	23.46		23.5	1.0
100	16QAM	1	1	22.69	22.82	22.78		23.5	1.0
100	64QAM	1	1	22.74	22.84	22.80		23.5	1.0
100	256QAM	1	1	21.88	21.94	21.80		22.5	2.0
Channel				508200	518598	526996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	123	24.11	24.10	24.13		24.5	0.0
Channel				507204	518598	529996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	109	24.10	24.07	24.05		24.5	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2626	2602.99	2659.99			
60	QPSK	1	81	24.08	24.06	24.09		24.5	0.0
Channel				504204	518598	532996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	24.06	24.11	24.01		24.5	0.0
Channel				502202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	24.01	24.14	24.09		24.5	0.0
Channel				501204	518598	535996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2504.02	2592.99	2679.99			
20	QPSK	1	26	24.03	24.05	24.02		24.5	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	19	24.01	24.11	24.05		24.5	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2688			
10	QPSK	1	12	24.05	24.03	24.09		24.5	0.0

n41 PC2 Ant1 Default/DS11 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				508202	518598	526000			
Frequency (MHz)				2548.01	2592.99	2640			
100	PQ2 BPSK	1	1	25.03	25.09	24.96			
100	PQ2 BPSK	1	137	25.95	26.08	26.03		27.0	0.0
100	PQ2 BPSK	1	271	25.03	25.11	25.04			
100	PQ2 BPSK	135	0	25.72	25.81	25.68		27.0	0.0
100	PQ2 BPSK	135	69	25.94	26.00	25.85		27.0	0.0
100	PQ2 BPSK	135	138	25.64	25.75	25.62			
100	PQ2 BPSK	270	0	25.53	25.67	25.56		27.0	0.0
100	QPSK	1	1	24.97	25.10	25.06			
100	QPSK	1	137	25.97	26.17	26.05		27.0	0.0
100	QPSK	1	271	25.07	25.16	25.10			
100	QPSK	135	0	25.86	25.89	25.64		27.0	0.0
100	QPSK	135	69	25.97	26.02	25.84		27.0	0.0
100	QPSK	135	138	25.90	25.85	25.61		27.0	0.0
100	QPSK	270	0	25.80	25.70	25.61			
100	16QAM	1	1	24.38	24.46	24.39		27.0	0.0
100	64QAM	1	1	23.23	23.31	23.21		24.5	2.5
100	256QAM	1	1	21.87	21.94	21.83		22.5	4.5
Channel				508200	518598	526996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	123	26.08	26.15	26.01		27.0	0.0
Channel				507204	518598	529996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	109	26.03	26.06	26.13		27.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2626	2602.99	2659.99			
60	QPSK	1	81	26.01	26.13	26.02		27.0	0.0
Channel				504204	518598	532996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	26.07	26.05	26.03		27.0	0.0
Channel				502202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	26.01	26.07	26.05		27.0	0.0
Channel				501204	518598	535996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2504.02	2592.99	2679.99			
20	QPSK	1	26	26.14	26.06	26.08		27.0	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	19	26.02	26.10	26.08		27.0	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2688			
10	QPSK	1	12	26.11	26.13	26.02		27.0	0.0



Par27O n77 Ant2 DSI1 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	18.58	18.68	18.51	20.5	0.0	
100	PI2 BPSK	1	137	18.56	18.66	18.56			
100	PI2 BPSK	1	271	18.57	18.69	18.54			
100	PI2 BPSK	135	0	18.55	18.65	18.53	20.5	0.0	
100	PI2 BPSK	135	69	18.58	18.68	18.54	20.5	0.0	
100	PI2 BPSK	135	138	18.54	18.69	18.51	20.5	0.0	
100	PI2 BPSK	270	0	18.55	18.66	18.57	20.5	0.0	
100	QPSK	1	1	18.57	18.65	18.56			
100	QPSK	1	137	18.63	18.82	18.62			
100	QPSK	1	271	18.54	18.69	18.56	20.5	0.0	
100	QPSK	135	0	18.54	18.60	18.54			
100	QPSK	135	69	18.57	18.64	18.54			
100	QPSK	135	138	18.55	18.61	18.52	20.5	0.0	
100	QPSK	270	0	18.53	18.60	18.56	20.5	0.0	
100	16QAM	1	1	18.56	18.69	18.57			
100	64QAM	1	1	18.57	18.64	18.53			
100	256QAM	1	1	18.58	18.66	18.55	20.5	0.0	
Channel				649668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	123	18.55	18.64	18.57	20.5	0.0	
Channel				649334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	109	18.54	18.65	18.55	20.5	0.0	
Channel				648668	650000	653334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	81	18.53	18.70	18.53	20.5	0.0	
Channel				648334	650000	653668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	67	18.57	18.68	18.54	20.5	0.0	
Channel				648000	650000	654000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	53	18.56	18.60	18.59	20.5	0.0	
Channel				647334	650000	654668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	26	18.56	18.70	18.55	20.5	0.0	
Channel				647168	650000	654834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.53	3840	3972.51			
15	QPSK	1	19	18.55	18.68	18.53	20.5	0.0	
Channel				647000	650000	655000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	12	18.58	18.64	18.54	20.5	0.0	

Part27Q n77 Ant2 DSI1 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334	633334	633334			
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1		18.57		20.5	0.0	
100	PI2 BPSK	1	137		18.54				
100	PI2 BPSK	1	271		18.62				
100	PI2 BPSK	135	0		18.58		20.5	0.0	
100	PI2 BPSK	135	69		18.61		20.5	0.0	
100	PI2 BPSK	135	138		18.57		20.5	0.0	
100	PI2 BPSK	270	0		18.61		20.5	0.0	
100	QPSK	1	1		18.60				
100	QPSK	1	137		18.71				
100	QPSK	1	271		18.57		19.5	1.0	
100	QPSK	135	0		18.51				
100	QPSK	135	69		18.56				
100	QPSK	135	138		18.54		19.5	1.0	
100	QPSK	270	0		18.52		20.5	0.0	
100	16QAM	1	1		18.61				
100	64QAM	1	1		18.58				
100	256QAM	1	1		18.58		20.5	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	123		18.52	18.65	18.53	20.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109		18.57	18.66	18.52	20.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	81		18.55	18.65	18.50	20.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67		18.55	18.67	18.55	20.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53		18.54	18.63	18.53	20.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26		18.52	18.67	18.51	20.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.53			
15	QPSK	1	19		18.53	18.66	18.53	20.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	12		18.55	18.65	18.53	20.5	0.0

Part27O n78 Ant2 DSI1 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		20.23		22.0	0.0	
100	PI2 BPSK	1	137		20.43				
100	PI2 BPSK	1	271		20.23				
100	PI2 BPSK	135	0		20.24		22.0	0.0	
100	PI2 BPSK	135	69		20.29		22.0	0.0	
100	PI2 BPSK	135	138		20.14		22.0	0.0	
100	PI2 BPSK	270	0		20.15				
100	QPSK	1	1		20.08				
100	QPSK	1	137		20.45		22.0	0.0	
100	QPSK	1	271		20.32				
100	QPSK	135	0		20.36				
100	QPSK	135	69		20.31		22.0	0.0	
100	QPSK	135	138		20.10		22.0	0.0	
100	QPSK	270	0		20.24		22.0	0.0	
100	16QAM	1	1		20.14				
100	64QAM	1	1		20.03				
100	256QAM	1	1		20.14		22.0	0.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	123		20.08	20.14	20.03	22.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	109		20.04	20.12	20.03	22.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	81		20.09	20.10	20.03	22.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	67		20.10	20.10	20.06	22.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	53		20.08	20.11	20.03	22.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	26		20.08	20.15	20.04	22.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	19		20.09	20.13	20.05	22.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	12		20.05	20.14	20.05	22.0	0.0

Part27Q 78 Ant2 DS1 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dbm)	MPR (db)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	20.03					
100	PI/2 BPSK	1	137	20.37		22.0			
100	PI/2 BPSK	1	271	20.25					
100	PI/2 BPSK	135	0	20.09		22.0			
100	PI/2 BPSK	135	69	20.03		22.0			
100	PI/2 BPSK	135	138	20.17					
100	PI/2 BPSK	270	0	20.11		22.0			
100	QPSK	1	1	20.14					
100	QPSK	1	137	20.39		22.0			
100	QPSK	1	271	20.37					
100	QPSK	135	0	20.18		22.0			
100	QPSK	135	69	20.20		22.0			
100	QPSK	135	138	20.18					
100	QPSK	270	0	20.21		22.0			
100	16QAM	1	1	20.09		22.0			
100	64QAM	1	1	20.21		22.0			
100	256QAM	1	1	20.13		22.0			
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dbm)	(db)	
90	QPSK	1	123	20.04	20.12	20.07	22.0	0.0	
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dbm)	(db)	
80	QPSK	1	109	20.04	20.10	20.04	22.0	0.0	
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dbm)	(db)	
60	QPSK	1	81	20.06	20.15	20.02	22.0	0.0	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dbm)	(db)	
50	QPSK	1	67	20.08	20.14	20.08	22.0	0.0	
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dbm)	(db)	
40	QPSK	1	53	20.10	20.12	20.03	22.0	0.0	
Channel				630968	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dbm)	(db)	
20	QPSK	1	26	20.05	20.10	20.07	22.0	0.0	
Channel				630500	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3451.5	3500.01	3543.25	(dbm)	(db)	
15	QPSK	1	19	20.06	20.14	20.07	22.0	0.0	
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dbm)	(db)	
10	QPSK	1	12	20.09	20.11	20.04	22.0	0.0	



Par270 n77 PC2&3 Ant3 DS1i DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [F/MHz]	Power Middle Ch. [F/MHz]	Power High Ch. [F/MHz]	Turn-up limit [dBm]	MPN [dB]	
Channel									
Frequency [MHz]									
100	P12-BPSK	1	1	17.55	17.80	17.74			
100	P12-BPSK	1	137	18.44	18.57	18.37	19.0	0.0	
100	P12-BPSK	1	271	17.88	17.98	17.46			
100	P12-BPSK	135	6	18.24	18.46	18.46	19.0	0.0	
100	P12-BPSK	135	66	18.24	18.46	18.46	19.0	0.0	
100	P12-BPSK	135	135	18.23	18.35	18.21	19.0	0.0	
100	P12-BPSK	270	0	18.37	18.50	18.34	19.0	0.0	
100	QPSK	1	1	17.52	17.83	17.87			
100	QPSK	1	137	18.30	18.77	18.33	19.0	0.0	
100	QPSK	1	271	17.63	17.67	17.64			
100	QPSK	135	6	18.30	18.40	18.38	19.0	0.0	
100	QPSK	135	66	18.30	18.03	18.34	19.0	0.0	
100	QPSK	135	135	18.46	18.40	18.40	19.0	0.0	
100	QPSK	270	0	18.25	18.05	18.08	19.0	0.0	
100	15QAM	1	1	17.68	17.68	17.67	19.0	0.0	
100	16QAM	1	1	17.71	17.71	17.66	19.0	0.0	
100	256QAM	1	1	17.69	17.67	17.61	19.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	123	18.00	18.16	18.16	19.0	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	109	18.00	18.03	18.17	19.0	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	81	18.08	18.20	18.16	19.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	67	18.06	18.10	18.10	19.0	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	53	18.14	18.20	18.20	19.0	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	26	18.10	18.20	18.20	19.0	0.0	
Channel									
Frequency [MHz]									
16	QPSK	1	19	18.16	18.20	18.16	19.0	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	12	18.17	18.17	18.27	19.0	0.0	

Part27Q n77 PC2&3 Ant3 DS1i DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [F/MHz]	Power Middle Ch. [F/MHz]	Power High Ch. [F/MHz]	Turnup limit [dBm]	MPN [dB]	
Channel									
Frequency [MHz]									
100	P12-BPSK	1	1	17.77					
100	P12-BPSK	1	137	18.05			19.0	0.0	
100	P12-BPSK	1	271	17.42					
100	P12-BPSK	135	6	17.77			19.0	0.0	
100	P12-BPSK	135	135	17.82			19.0	0.0	
100	P12-BPSK	270	0	18.11			19.0	0.0	
100	QPSK	1	1	17.66					
100	QPSK	1	137	18.34			19.0	0.0	
100	QPSK	1	271	17.25					
100	QPSK	135	6	18.03			19.0	0.0	
100	QPSK	135	66	18.23			19.0	0.0	
100	QPSK	135	135	18.01			19.0	0.0	
100	QPSK	270	0	18.01			19.0	0.0	
100	15QAM	1	1	17.35			19.0	0.0	
100	16QAM	1	1	17.72			19.0	0.0	
100	256QAM	1	1	17.47			19.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	123	18.04	18.31	18.17	19.0	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	109	18.10	18.11	18.14	19.0	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	81	18.03	18.25	18.07	19.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	67	18.12	18.20	18.16	19.0	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	53	17.88	18.29	17.88	19.0	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	26	18.00	18.20	18.12	19.0	0.0	
Channel									
Frequency [MHz]									
16	QPSK	1	19	18.00	18.20	17.88	19.0	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	12	18.02	18.11	18.16	19.0	0.0	

Part270 n78 PC2&3 Ant3 DS1i DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [F/MHz]	Power Middle Ch. [F/MHz]	Power High Ch. [F/MHz]	Turn-up limit [dBm]	MPN [dB]	
Channel									
Frequency [MHz]									
100	P12-BPSK	1	1	27.90	27.90	27.90			
100	P12-BPSK	1	137	18.79			19.0	0.0	
100	P12-BPSK	1	271	18.16					
100	P12-BPSK	135	6	18.72			19.0	0.0	
100	P12-BPSK	135	66	18.64			19.0	0.0	
100	P12-BPSK	135	135	18.70			19.0	0.0	
100	P12-BPSK	270	0	18.61			19.0	0.0	
100	QPSK	1	1	18.16					
100	QPSK	1	137	18.76			19.0	0.0	
100	QPSK	1	271	18.29					
100	QPSK	135	6	18.76			19.0	0.0	
100	QPSK	135	66	18.72			19.0	0.0	
100	QPSK	135	135	18.76			19.0	0.0	
100	QPSK	270	0	18.76			19.0	0.0	
100	15QAM	1	1	17.34			19.0	0.0	
100	16QAM	1	1	17.34			19.0	0.0	
100	256QAM	1	1	18.34			19.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	123	18.50	18.46	18.30	19.0	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	109	18.40	18.47	18.40	19.0	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	81	18.40	18.10	18.30	19.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	67	18.38	18.31	18.47	19.0	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	53	18.30	18.35	18.31	19.0	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	26	18.54	18.30	18.30	19.0	0.0	
Channel									
Frequency [MHz]									
16	QPSK	1	19	18.41	18.16	18.30	19.0	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	12	18.33	18.13	18.37	19.0	0.0	

Part27Q 78 PC2&3 Ant3 DS1i DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [F/MHz]	Power Middle Ch. [F/MHz]	Power High Ch. [F/MHz]	Turn-up limit [dBm]	MPN [dB]	
Channel									
Frequency [MHz]									
100	P12-BPSK	1	1						
100	P12-BPSK	1	137				19.0	0.0	
100	P12-BPSK	135	6				19.0	0.0	
100	P12-BPSK	135	138				19.0	0.0	
100	P12-BPSK	135	66				19.0	0.0	
100	QPSK	1	1						
100	QPSK	1	137				19.0	0.0	
100	QPSK	135	6				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	66				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	6				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	66				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	6				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	66				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	6				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	66				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	6				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	66				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	6				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	66				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	6				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	66				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	6				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	66				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	6				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	66				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	6				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	66				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	6				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	66				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	6				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	66				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	6				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	66				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	6				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	66				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	6				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	66				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	6				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	66				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	6				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	66				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	6				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	66				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	6				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	66				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	6				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	66				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	6				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	66				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	6				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	66				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	6				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	66				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	6				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	66				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	6				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	66				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	6				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	66				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	6				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	66				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	6				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	66				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	6				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	66				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	6				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	66				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	6				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	66				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	6				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	66				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	6				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	66				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	6				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	66				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	6				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	66				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	6				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	66				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	6				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	66				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	6				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	66				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	6				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	66				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	6				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	66				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	6				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	66				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	6				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	66				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	6				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135	66				19.0	0.0	
100	QPSK	135	138				19.0	0.0	
100	QPSK	135							



n5 Ant4 DSI1 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166500	167300	167600	22.5	0.0	
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	21.65	21.75	21.70			
20	PI2 BPSK	1	26	21.59	21.60	21.60	22.5	0.0	
20	PI2 BPSK	1	49	21.65	21.82	21.79			
20	PI2 BPSK	25	0	21.60	21.69	21.53			
20	PI2 BPSK	25	13	21.74	21.74	21.64	22.5	0.0	
20	PI2 BPSK	25	26	21.51	21.75	21.69			
20	PI2 BPSK	50	0	21.72	21.83	21.71			
20	QPSK	1	1	21.78	21.85	21.78	22.5	0.0	
20	QPSK	1	26	21.70	21.74	21.60			
20	QPSK	1	49	21.79	21.81	21.63			
20	QPSK	25	0	21.72	21.78	21.63	22.5	0.0	
20	QPSK	25	13	21.67	21.72	21.71			
20	QPSK	25	26	21.65	21.82	21.68			
20	QPSK	50	0	21.71	21.80	21.78	22.5	0.0	
20	16QAM	1	1	21.72	21.65	21.58			
20	64QAM	1	1	21.74	21.75	21.70		22.5	
20	256QAM	1	1	20.37	20.45	20.31	21.0	1.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5	22.5	0.0	
15	QPSK	1	1	21.64	21.75	21.71			
Channel				165200	167200	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844	22.5	0.0	
10	QPSK	1	1	21.71	21.73	21.82			

n7 Ant4 DSI1 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000	20.0	0.0	
Frequency (MHz)				2510	2535	2560			
20	PI2 BPSK	1	1	18.96	19.15	19.02			
20	PI2 BPSK	1	26	18.92	19.08	18.93	20.0	0.0	
20	PI2 BPSK	1	49	18.90	19.00	18.91			
20	PI2 BPSK	25	0	18.85	19.05	18.78			
20	PI2 BPSK	25	13	18.86	19.05	18.92	20.0	0.0	
20	PI2 BPSK	25	26	18.81	18.95	18.88			
20	PI2 BPSK	50	0	18.97	19.15	19.05			
20	QPSK	1	1	19.05	19.15	18.98	20.0	0.0	
20	QPSK	1	26	18.94	19.03	19.01			
20	QPSK	1	49	18.92	19.01	18.93			
20	QPSK	25	0	19.00	18.99	18.93	20.0	0.0	
20	QPSK	25	13	19.03	19.12	19.07			
20	QPSK	25	26	18.99	18.98	18.85			
20	QPSK	50	0	19.05	19.11	19.02	20.0	0.0	
20	16QAM	1	1	18.93	19.03	18.94			
20	64QAM	1	1	19.00	19.05	18.99		20.0	
20	256QAM	1	1	18.87	19.08	19.04	20.0	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	20.0	0.0	
15	QPSK	1	1	19.88	19.51	19.46			
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	20.0	0.0	
10	QPSK	1	1	19.45	19.54	19.47			

n66 Ant4 DSI1 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	353000	22.5	0.0	
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	21.25	21.32	21.22			
40	PI2 BPSK	1	53	21.17	21.31	21.25	22.5	0.0	
40	PI2 BPSK	1	104	21.08	21.14	21.03			
40	PI2 BPSK	50	0	21.06	21.13	21.02			
40	PI2 BPSK	50	26	21.14	21.23	21.16	22.5	0.0	
40	PI2 BPSK	50	56	21.13	21.18	21.04			
40	PI2 BPSK	100	0	21.07	21.21	21.11			
40	QPSK	1	1	21.23	21.35	21.31	22.5	0.0	
40	QPSK	1	53	21.23	21.32	21.25			
40	QPSK	1	104	21.13	21.22	21.13			
40	QPSK	50	0	21.20	21.26	21.19	22.5	0.0	
40	QPSK	50	26	21.18	21.32	21.25			
40	QPSK	50	56	21.20	21.28	21.18			
40	QPSK	100	0	21.17	21.26	21.12	22.5	0.0	
40	16QAM	1	1	21.16	21.22	21.07			
40	64QAM	1	1	21.24	21.28	21.19		22.5	
40	256QAM	1	1	19.13	19.26	19.22	20.5	2.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770	22.5	0.0	
20	QPSK	1	1	21.16	21.30	21.21			
Channel				343000	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	22.5	0.0	
15	QPSK	1	1	21.18	21.28	21.27			
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	22.5	0.0	
10	QPSK	1	1	21.08	21.24	21.21			

n38 Ant4 DSI1 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996	Tune-up limit	MPR	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	20.42	20.50	20.41	21.5	0.0	
40	PI/2 BPSK	1	53	20.34	20.49	20.31			
40	PI/2 BPSK	1	104	20.33	20.56	20.33			
40	PI/2 BPSK	50	0	20.36	20.51	20.32	21.5	0.0	
40	PI/2 BPSK	50	28	20.43	20.54	20.38	21.5	0.0	
40	PI/2 BPSK	50	56	20.38	20.57	20.32	21.5	0.0	
40	PI/2 BPSK	100	0	20.37	20.56	20.30			
40	QPSK	1	1	20.49	20.70	20.46			
40	QPSK	1	53	20.36	20.66	20.36	21.5	0.0	
40	QPSK	1	104	20.40	20.50	20.40	21.5	0.0	
40	QPSK	50	0	20.37	20.55	20.39			
40	QPSK	50	28	20.38	20.57	20.34			
40	QPSK	50	56	20.41	20.51	20.41	21.5	0.0	
40	QPSK	100	0	20.37	20.56	20.38			
40	16QAM	1	1	20.37	20.54	20.34	21.5	0.0	
40	64QAM	1	1	20.36	20.58	20.33	21.5	0.0	
40	256QAM	1	1	19.99	20.15	19.97	21.0	0.5	
Channel				518000	519000	522000	Tune-up limit	MPR	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	20.26	20.64	20.37	21.5	0.0	
Channel				515502	519000	522498	Tune-up limit	MPR	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	20.26	20.47	20.21	21.5	0.0	
Channel				515004	518000	522998	Tune-up limit	MPR	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	20.12	20.61	20.30	21.5	0.0	

n41 PC2&3 Ant4 DSI1 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000	Tune-up limit	MPR	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	21.79	21.85	21.73	23.0	0.0	
100	PI/2 BPSK	1	137	21.81	21.89	21.70			
100	PI/2 BPSK	1	271	21.75	21.85	21.74			
100	PI/2 BPSK	135	0	21.79	21.91	21.71	23.0	0.0	
100	PI/2 BPSK	135	69	21.83	21.88	21.77	23.0	0.0	
100	PI/2 BPSK	135	138	21.77	21.96	21.75	23.0	0.0	
100	PI/2 BPSK	270	0	21.85	21.84	21.75			
100	QPSK	1	1	21.78	21.94	21.74			
100	QPSK	1	137	22.03	22.12	22.09	23.0	0.0	
100	QPSK	1	271	21.76	21.83	21.81	23.0	0.0	
100	QPSK	135	0	21.77	21.87	21.83			
100	QPSK	135	69	21.98	22.01	21.79	23.0	0.0	
100	QPSK	135	138	21.77	21.89	21.69	23.0	0.0	
100	QPSK	270	0	21.79	21.85	21.73			
100	16QAM	1	1	21.81	21.90	21.69	23.0	0.0	
100	64QAM	1	1	21.73	21.88	21.80	23.0	0.0	
100	256QAM	1	1	21.75	21.85	21.78	23.0	0.0	
Channel				508200	518598	528996	Tune-up limit	MPR	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	123	21.63	21.73	21.58	23.0	0.0	
Channel				507204	518598	529998	Tune-up limit	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	109	21.68	21.73	21.68	23.0	0.0	
Channel				505200	518598	531996	Tune-up limit	MPR	
Frequency (MHz)				2526	2592.99	2639.98			
60	QPSK	1	81	21.63	21.84	21.59	23.0	0.0	
Channel				504204	518598	532998	Tune-up limit	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	21.66	21.73	21.66	23.0	0.0	
Channel				503202	518598	534000	Tune-up limit	MPR	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	21.73	21.77	21.62	23.0	0.0	
Channel				501204	518598	535998	Tune-up limit	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	21.63	21.75	21.63	23.0	0.0	
Channel				500700	518598	536496	Tune-up limit	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	19	21.66	21.76	21.69	23.0	0.0	
Channel				500202	518598	537000	Tune-up limit	MPR	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	12	21.70	21.82	21.60	23.0	0.0	



Par270 n77 Ant5 DSI1 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	12.12	12.15	12.05	14.0	0.0	
100	PI2 BPSK	1	137	12.09	12.16	12.02			
100	PI2 BPSK	1	271	12.10	12.11	12.06	14.0	0.0	
100	PI2 BPSK	135	0	12.09	12.14	12.03			
100	PI2 BPSK	135	69	12.09	12.11	12.05	14.0	0.0	
100	PI2 BPSK	135	138	12.06	12.11	12.03			
100	PI2 BPSK	270	0	12.06	12.16	12.04	14.0	0.0	
100	QPSK	1	1	12.05	12.17	12.03			
100	QPSK	1	137	12.13	12.21	12.15	14.0	0.0	
100	QPSK	1	271	12.10	12.13	12.02			
100	QPSK	135	0	12.11	12.11	12.03	14.0	0.0	
100	QPSK	135	69	12.11	12.17	12.14			
100	QPSK	135	138	12.10	12.11	12.06	14.0	0.0	
100	QPSK	270	0	12.11	12.15	12.06			
100	16QAM	1	1	12.12	12.13	12.01	14.0	0.0	
100	64QAM	1	1	12.09	12.12	12.05			
100	256QAM	1	1	12.09	12.15	12.04	14.0	0.0	
Channel				649668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	123	12.08	12.12	12.01	14.0	0.0	
Channel				643334	650000	652568	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	109	12.06	12.16	12.05	14.0	0.0	
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3738.02	3840	3950.01			
60	QPSK	1	81	12.08	12.11	12.04	14.0	0.0	
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	67	12.11	12.15	12.03	14.0	0.0	
Channel				644000	650000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	53	12.06	12.15	12.01	14.0	0.0	
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3718.01	3840	3970.02			
20	QPSK	1	26	12.08	12.16	12.03	14.0	0.0	
Channel				647168	650000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	19	12.09	12.13	12.01	14.0	0.0	
Channel				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	12	12.09	12.17	12.03	14.0	0.0	
Channel							Tune-up limit (dBm)	MPR (dB)	

Part27Q n77 Ant5 DS1 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1		12.14		14.0	0.0	
100	PI2 BPSK	1	137		12.10				
100	PI2 BPSK	1	271		12.14		14.0	0.0	
100	PI2 BPSK	135	0		12.11				
100	PI2 BPSK	135	69		12.13		14.0	0.0	
100	PI2 BPSK	135	138		12.15				
100	PI2 BPSK	270	0		12.12		14.0	0.0	
100	QPSK	1	1		12.12				
100	QPSK	1	137		12.18		14.0	0.0	
100	QPSK	1	271		12.15				
100	QPSK	135	0		12.15		14.0	0.0	
100	QPSK	135	69		12.17				
100	QPSK	135	138		12.14		14.0	0.0	
100	QPSK	270	0		12.13				
100	16QAM	1	1		12.14		14.0	0.0	
100	64QAM	1	1		12.13				
100	256QAM	1	1		12.13		14.0	0.0	
Channel				633000	633334	633668	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	123	12.09	12.09	12.11	14.0	0.0	
Channel				632668	633334	633500	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109	12.08	12.10	12.10	14.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	81	12.03	12.12	12.08	14.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67	12.07	12.08	12.12	14.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53	12.05	12.12	12.10	14.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26	12.03	12.13	12.05	14.0	0.0	
Channel				630500	633334	636168	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	19	12.04	12.10	12.12	14.0	0.0	
Channel				630334	633334	636334	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	12	12.07	12.12	12.12	14.0	0.0	
Channel							Tune-up limit (dbm)	MPR (db)	

Part27O n78 Ant5 DSI1 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		12.08		14.0	0.0	
100	PI2 BPSK	1	137		12.05				
100	PI2 BPSK	1	271		12.07		14.0	0.0	
100	PI2 BPSK	135	0		12.06				
100	PI2 BPSK	135	69		12.03		14.0	0.0	
100	PI2 BPSK	135	138		12.07				
100	PI2 BPSK	270	0		12.07		14.0	0.0	
100	QPSK	1	1		12.03				
100	QPSK	1	137		12.13		14.0	0.0	
100	QPSK	1	271		12.11				
100	QPSK	135	0		12.05		14.0	0.0	
100	QPSK	135	69		12.11				
100	QPSK	135	138		12.10		14.0	0.0	
100	QPSK	270	0		12.09				
100	16QAM	1	1		12.10		14.0	0.0	
100	64QAM	1	1		12.05				
100	256QAM	1	1		12.05		14.0	0.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	123	12.03	12.07	12.03	14.0	0.0	
Channel				649334	650000	650568	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	109	12.05	12.10	12.11	14.0	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	81	12.03	12.06	12.04	14.0	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	67	12.05	12.09	12.08	14.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	53	12.03	12.05	12.07	14.0	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	26	12.03	12.04	12.04	14.0	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	19	12.03	12.10	12.05	14.0	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	12	12.03	12.05	12.04	14.0	0.0	

Part27Q 78 Ant5 DSI1 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334			14.0	0.0	
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1		12.23		14.0	0.0	
100	PI2 BPSK	1	137		12.20				
100	PI2 BPSK	1	271		12.23				
100	PI2 BPSK	135	0		12.18				
100	PI2 BPSK	135	69		12.20		14.0	0.0	
100	PI2 BPSK	135	138		12.20				
100	PI2 BPSK	270	0		12.16				
100	QPSK	1	1		12.21				
100	QPSK	1	137		12.25		14.0	0.0	
100	QPSK	1	271		12.19				
100	QPSK	135	0		12.21				
100	QPSK	135	69		12.24				
100	QPSK	135	138		12.20		14.0	0.0	
100	QPSK	270	0		12.16				
100	16QAM	1	1		12.23				
100	64QAM	1	1		12.21				
100	256QAM	1	1		12.22		14.0	0.0	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	123		12.17	12.04	12.03	14.0	0.0
Channel				632005	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	109		12.04	12.08	12.06	14.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3490	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	81		12.06	12.08	12.06	14.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	67		12.13	12.06	12.11	14.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	53		12.01	12.07	12.04	14.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	28		12.11	12.07	12.10	14.0	0.0
Channel				630500	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	19		12.04	12.09	12.04	14.0	0.0
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	12		12.02	12.04	12.04	14.0	0.0



Par270 n77 Ant6 DSI1 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	PV2 BPSK	1	1	18.55	18.60	18.54	20.5	0.0	
100	PV2 BPSK	1	137	18.51	18.57	18.52			
100	PV2 BPSK	1	271	18.55	18.60	18.51			
100	PV2 BPSK	135	0	18.52	18.60	18.55			
100	PV2 BPSK	135	69	18.53	18.57	18.52	20.5	0.0	
100	PV2 BPSK	135	138	18.52	18.59	18.52			
100	PV2 BPSK	270	0	18.52	18.59	18.52			
100	QPSK	1	1	18.54	18.57	18.55			
100	QPSK	1	137	18.57	18.63	18.60	20.5	0.0	
100	QPSK	1	271	18.52	18.57	18.53			
100	QPSK	135	0	18.52	18.58	18.54			
100	QPSK	135	69	18.52	18.59	18.53			
100	QPSK	135	138	18.53	18.57	18.54	19.5	1.0	
100	QPSK	270	0	18.51	18.58	18.54			
100	16QAM	1	1	18.52	18.56	18.53			
100	64QAM	1	1	18.52	18.59	18.54			
100	256QAM	1	1	18.53	18.59	18.53	20.5	0.0	
Channel				648968	650000	650334			
Frequency (MHz)				3745.02	3840	3935.01	Tune-up limit (dBm)		
90	QPSK	1	123	18.55	18.59	18.58	20.5	0.0	
Channel				649334	650000	650968			
Frequency (MHz)				3740.01	3840	3940.02	Tune-up limit (dBm)		
80	QPSK	1	109	18.55	18.60	18.58	20.5	0.0	
Channel				648968	650000	650334			
Frequency (MHz)				3730.02	3840	3950.01	Tune-up limit (dBm)		
60	QPSK	1	81	18.55	18.60	18.58	20.5	0.0	
Channel				648334	650000	650668			
Frequency (MHz)				3725.01	3840	3955.02	Tune-up limit (dBm)		
50	QPSK	1	67	18.55	18.60	18.58	20.5	0.0	
Channel				648000	650000	650000			
Frequency (MHz)				3720	3840	3960	Tune-up limit (dBm)		
40	QPSK	1	53	18.54	18.59	18.57	20.5	0.0	
Channel				647204	650000	650500			
Frequency (MHz)				3710.01	3840	3970.02	Tune-up limit (dBm)		
20	QPSK	1	28	18.56	18.58	18.56	20.5	0.0	
Channel				647168	650000	650434			
Frequency (MHz)				3702.52	3840	3972.51	Tune-up limit (dBm)		
15	QPSK	1	19	18.53	18.60	18.56	20.5	0.0	
Channel				647000	650000	650000			
Frequency (MHz)				3705	3840	3975	Tune-up limit (dBm)		
10	QPSK	1	12	18.56	18.61	18.59	20.5	0.0	

Part27Q n77 Ant6 DSI1 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334	633334				
Frequency (MHz)				3500.01	3500.01				
100	PV2 BPSK	1	1	18.65	18.61		20.5	0.0	
100	PV2 BPSK	1	137	18.61	18.61				
100	PV2 BPSK	1	271	18.63	18.63				
100	PV2 BPSK	135	0	18.66	18.66				
100	PV2 BPSK	135	69	18.62	18.62		20.5	0.0	
100	PV2 BPSK	135	138	18.61	18.61				
100	PV2 BPSK	270	0	18.60	18.60				
100	QPSK	1	1	18.66	18.66				
100	QPSK	1	137	18.70	18.70		20.5	0.0	
100	QPSK	1	271	18.64	18.64				
100	QPSK	135	0	18.61	18.61				
100	QPSK	135	69	18.63	18.63				
100	QPSK	135	138	18.62	18.62		20.5	0.0	
100	QPSK	270	0	18.59	18.59				
100	16QAM	1	1	18.61	18.61				
100	64QAM	1	1	18.63	18.63				
100	256QAM	1	1	18.62	18.62		20.5	0.0	
Channel				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)		
90	QPSK	1	123	18.55	18.58	18.58	20.5	0.0	
Channel				632668	633334	634000			
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm)		
80	QPSK	1	109	18.56	18.62	18.60	20.5	0.0	
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02	MPR (dB)		
60	QPSK	1	81	18.56	18.60	18.57	20.5	0.0	
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dBm)		
50	QPSK	1	67	18.56	18.61	18.60	20.5	0.0	
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01	MPR (dB)		
40	QPSK	1	53	18.55	18.61	18.56	20.5	0.0	
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)		
20	QPSK	1	28	18.54	18.58	18.60	20.5	0.0	
Channel				630500	633334	636168			
Frequency (MHz)				3457.52	3500.01	3542.52	MPR (dB)		
15	QPSK	1	19	18.55	18.62	18.58	20.5	0.0	
Channel				630334	633334	636334			
Frequency (MHz)				3455.01	3500.01	3545.01	Tune-up limit (dBm)		
10	QPSK	1	12	18.57	18.62	18.59	20.5	0.0	

Part27O n78 Ant6 DSI1 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PV2 BPSK	1	1	17.62	17.62	17.62	19.5	0.0	
100	PV2 BPSK	1	137	17.59	17.59	17.59			
100	PV2 BPSK	1	271	17.59	17.59	17.59			
100	PV2 BPSK	135	0	17.62	17.62	17.62			
100	PV2 BPSK	135	69	17.59	17.59	17.59	19.5	0.0	
100	PV2 BPSK	135	138	17.61	17.61	17.61			
100	PV2 BPSK	270	0	17.60	17.60	17.60			
100	QPSK	1	1	17.61	17.61	17.61			
100	QPSK	1	137	17.66	17.66	17.66	19.5	0.0	
100	QPSK	1	271	17.61	17.61	17.61			
100	QPSK	135	0	17.61	17.61	17.61			
100	QPSK	135	69	17.62	17.62	17.62			
100	QPSK	135	138	17.60	17.60	17.60	18.5	1.0	
100	QPSK	270	0	17.60	17.60	17.60			
100	16QAM	1	1	17.62	17.62	17.62			
100	64QAM	1	1	17.61	17.61	17.61			
100	256QAM	1	1	17.60	17.60	17.60	19.5	0.0	
Channel				648968	650000	650334			
Frequency (MHz)				3745.02	3750	3755.01	Tune-up limit (dBm)		
90	QPSK	1	123	17.55	17.58	17.56	19.5	0.0	
Channel				649334	650000	650968			
Frequency (MHz)				3740.01	3750	3760.02	(dBm)		
80	QPSK	1	109	17.53	17.60	17.59	19.5	0.0	
Channel				648968	650000	650334			
Frequency (MHz)				3735.01	3750	3765.02	(dBm)		
60	QPSK	1	81	17.58	17.60	17.59	19.5	0.0	
Channel				649334	650000	650968			
Frequency (MHz)				3726.01	3750	3775.02	(dBm)		
50	QPSK	1	67	17.56	17.61	17.60	19.5	0.0	
Channel				649000	650000	650800			
Frequency (MHz)				3720	3750	3780	Tune-up limit (dBm)		
40	QPSK	1	53	17.54	17.61	17.60	19.5	0.0	
Channel				647334	650000	650968			
Frequency (MHz)				3710.01	3750	3790.02	Tune-up limit (dBm)		
20	QPSK	1	26	17.54	17.61	17.62	19.5	0.0	
Channel				647168	650000	652334			
Frequency (MHz)				3707.52	3750	3792.51	Tune-up limit (dBm)		
15	QPSK	1	19	17.55	17.58	17.59	19.5	0.0	
Channel				647000	650000	653000			
Frequency (MHz)				3705	3750	3795	Tune-up limit (dBm)		
10	QPSK	1	12	17.57	17.61	17.58	19.5	0.0	
Channel				646834	650000	654334			

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1		17.69		19.5	0.0
100	PI/2 BPSK	1	137		17.67			
100	PI/2 BPSK	1	271		17.67		19.5	0.0
100	PI/2 BPSK	135	0		17.69			
100	PI/2 BPSK	135	69		17.66		19.5	0.0
100	PI/2 BPSK	135	138		17.70			
100	PI/2 BPSK	270	0		17.66		19.5	0.0
100	QPSK	1	1		17.66			
100	QPSK	1	137		17.74		19.5	0.0
100	QPSK	1	271		17.67			
100	QPSK	135	0		17.68		19.5	0.0
100	QPSK	135	69		17.71			
100	QPSK	135	138		17.67		19.5	0.0
100	QPSK	270	0		17.68			
100	16QAM	1	1		17.69		19.5	0.0
100	64QAM	1	1		17.68			
100	256QAM	1	1		17.67		19.5	0.0
Channel				633000	633334	633668		
Frequency (MHz)				3485	3500.01	3505.02		
90	QPSK	1	123	17.56	17.59	17.57		
Channel				632668	633334	634000		
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	109	17.55	17.60	17.57	19.5	0.0
Channel				632000	633334	634668		
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	17.54	17.58	17.57		
Channel				631668	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	17.54	17.62	17.58	19.5	0.0
Channel				631334	633334	635334		
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	17.55	17.61	17.60		
Channel				630668	633334	636000		
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26	17.53	17.59	17.59	19.5	0.0
Channel				630000	633334	636168		
Frequency (MHz)				3450.05	3500.01	3542.02		
15	QPSK	1	19	17.57	17.61	17.57		
Channel				630334	633334	636334		
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	17.57	17.62	17.58	19.5	0.0



n5 Ant1 Default/DSI2 DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				834	836.5	838		
Frequency (MHz)				166600	167300	167800		
20	PQ2 BPSK	1	1	24.40	24.61	24.47	25.5	0.0
20	PQ2 BPSK	1	26	24.47	24.54	24.45		
20	PQ2 BPSK	1	49	24.39	24.47	24.37		
20	PQ2 BPSK	25	0	23.70	23.81	23.72	25.0	0.5
20	PQ2 BPSK	25	13	23.35	23.41	23.41	25.5	0.0
20	PQ2 BPSK	25	26	23.86	24.01	23.94	25.0	0.5
20	PQ2 BPSK	50	0	23.86	23.97	23.81		
20	QPSK	1	1	24.56	24.64	24.53		
20	QPSK	1	26	23.51	24.62	24.53	25.5	0.0
20	QPSK	1	49	24.45	24.55	24.38	24.5	1.0
20	QPSK	25	0	23.27	23.37	23.23		
20	QPSK	25	13	24.41	24.55	24.46		
20	QPSK	25	26	23.48	23.50	23.46	24.5	1.0
20	QPSK	50	0	23.51	23.58	23.51	24.5	1.0
20	16QAM	1	1	23.14	23.19	23.17		
20	16QAM	1	1	21.85	21.76	21.87		
20	256QAM	1	1	20.25	20.32	20.26	21.0	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
10	QPSK	1	1	24.30	24.52	24.44	23.5	0.0
Channel				166900	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	24.39	24.55	24.36	25.5	0.0

n7 Ant1 DSI2 DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				500000	507000	515000		
Frequency (MHz)				2510	2535	2560		
20	PQ2 BPSK	1	1	22.24	22.51	22.34	23.5	0.0
20	PQ2 BPSK	1	26	22.38	22.54	22.43		
20	PQ2 BPSK	1	49	22.36	22.53	22.38		
20	PQ2 BPSK	25	0	22.44	22.50	22.55	23.5	0.0
20	PQ2 BPSK	25	13	22.47	22.57	22.60	23.5	0.0
20	PQ2 BPSK	25	26	22.50	22.60	22.48	23.5	0.0
20	PQ2 BPSK	50	0	22.55	22.54	22.41		
20	QPSK	1	1	22.61	22.64	22.59		
20	QPSK	1	26	22.44	22.52	22.43	23.5	0.0
20	QPSK	1	49	22.44	22.49	22.40	23.5	0.0
20	QPSK	25	0	22.52	22.61	22.57		
20	QPSK	25	13	22.57	22.58	22.44		
20	QPSK	25	26	22.57	22.46	22.38	23.5	0.0
20	QPSK	50	0	22.45	22.50	22.47	23.5	0.0
20	16QAM	1	1	22.46	22.50	22.52		
20	16QAM	1	1	22.42	22.49	22.39		
20	256QAM	1	1	20.25	20.32	20.26	21.0	2.5
Channel				501500	507000	515000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
10	QPSK	1	1	21.65	21.68	21.63	23.5	0.0
Channel				501000	507000	515000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	21.77	21.68	21.54	23.5	0.0

n66 Ant1 DSI2 DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1740	1745	1760		
40	PQ2 BPSK	1	1	22.42	22.53	22.38	23.5	0.0
40	PQ2 BPSK	1	53	22.26	22.27	22.16		
40	PQ2 BPSK	1	104	22.34	22.45	22.35		
40	PQ2 BPSK	50	0	22.42	22.39	22.42	23.5	0.0
40	PQ2 BPSK	50	26	22.40	22.44	22.39	23.5	0.0
40	PQ2 BPSK	50	56	22.26	22.38	22.28	23.5	0.0
40	PQ2 BPSK	100	0	22.32	22.37	22.36		
40	QPSK	1	1	22.43	22.58	22.47		
40	QPSK	1	53	22.34	22.52	22.52	23.5	0.0
40	QPSK	1	104	22.30	22.42	22.43	23.5	0.0
40	QPSK	50	0	22.38	22.42	22.40		
40	QPSK	50	26	22.43	22.47	22.31		
40	QPSK	50	56	22.35	22.46	22.31	23.5	0.0
40	QPSK	100	0	22.23	22.43	22.39		
40	16QAM	1	1	22.40	22.49	22.49	23.5	0.0
40	16QAM	1	1	21.27	21.41	21.37	22.5	1.0
40	256QAM	1	1	19.55	19.59	19.49	20.5	3.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	22.28	22.41	22.43	23.5	0.0
Channel				345000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	22.35	22.42	22.33	23.5	0.0
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	22.27	22.46	22.43	23.5	0.0



n38 Ant1 Default/DSI2 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	518000	518996	2599.98		
Frequency (MHz)				2599.02	2595	2599.98			
40	PQ2 BPSK	1	1	24.30	24.41	24.37			
40	PQ2 BPSK	1	53	24.21	24.26	24.19		25.5	0.0
40	PQ2 BPSK	1	104	24.28	24.34	24.25			
40	PQ2 BPSK	50	0	23.79	23.89	23.74		25.0	0.5
40	PQ2 BPSK	50	28	24.42	24.40	24.33		25.5	0.0
40	PQ2 BPSK	50	56	23.80	23.79	23.71			
40	PQ2 BPSK	100	0	23.79	23.90	23.79		25.0	0.5
40	QPSK	1	1	24.36	24.51	24.46			
40	QPSK	1	53	24.27	24.50	24.29		25.5	0.0
40	QPSK	1	104	24.32	24.41	24.31			
40	QPSK	50	0	23.52	23.56	23.40		24.5	1.0
40	QPSK	50	28	24.33	24.44	24.43		25.5	0.0
40	QPSK	50	56	23.52	23.59	23.59		24.5	1.0
40	QPSK	100	0	23.49	23.57	23.37			
40	16QAM	1	1	22.84	22.93	22.87		24.5	1.0
40	64QAM	1	1	21.38	21.50	21.44		23.0	2.5
40	256QAM	1	1	20.13	20.24	20.19		21.0	4.5
Channel				518000	518000	522000		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	24.35	24.32	24.33		24.5	0.0
Channel				515202	515000	522000		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	24.14	24.37	24.14		25.5	0.0
Channel				515004	518000	522996		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2574.02	2595	2614.08			
10	QPSK	1	1	24.30	24.31	24.23		25.5	0.0

n41 PC3 Ant1 Default/DSI2 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				508202	518598	528998			
Frequency (MHz)				2548.01	2592.99	2640			
100	PQ2 BPSK	1	1	23.07	23.11	23.06			
100	PQ2 BPSK	1	137	24.07	24.12	24.03		24.5	0.0
100	PQ2 BPSK	1	271	23.02	23.09	23.10			
100	PQ2 BPSK	135	0	23.73	23.88	23.83		24.5	0.0
100	PQ2 BPSK	135	69	23.97	24.07	23.96		24.5	0.0
100	PQ2 BPSK	135	138	23.72	23.83	23.75		24.5	0.0
100	PQ2 BPSK	270	0	23.67	23.81	23.66			
100	QPSK	1	1	23.02	23.13	23.08			
100	QPSK	1	137	24.13	24.18	24.05		24.5	0.0
100	QPSK	1	271	23.11	23.12	23.03			
100	QPSK	135	0	23.41	23.48	23.43		23.5	1.0
100	QPSK	135	69	23.96	24.02	23.87		24.5	0.0
100	QPSK	135	138	23.42	23.47	23.43		23.5	1.0
100	QPSK	270	0	23.41	23.48	23.46			
100	16QAM	1	1	22.69	22.82	22.78		23.5	1.0
100	64QAM	1	1	22.74	22.84	22.80		23.5	1.0
100	256QAM	1	1	21.88	21.94	21.80		22.5	2.0
Channel				508200	518598	528996		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	123	24.11	24.10	24.13		24.5	0.0
Channel				507204	518598	529998		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	109	24.10	24.07	24.05		24.5	0.0
Channel				505200	518598	531996		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2626	2592.99	2659.99			
60	QPSK	1	81	24.08	24.06	24.09		24.5	0.0
Channel				504204	518598	532998		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	24.06	24.11	24.01		24.5	0.0
Channel				503202	518598	533998		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	24.01	24.14	24.09		24.5	0.0
Channel				501204	518598	535998		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2504.02	2592.99	2679.99			
20	QPSK	1	26	24.03	24.05	24.02		24.5	0.0
Channel				500700	518598	536496		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	19	24.01	24.11	24.05		24.5	0.0
Channel				500202	518598	537000		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	12	24.05	24.03	24.09		24.5	0.0

n41 PC2 Ant1 Default/DSI2 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				508202	518598	528998			
Frequency (MHz)				2548.01	2592.99	2640			
100	PQ2 BPSK	1	1	25.03	25.09	24.96			
100	PQ2 BPSK	1	137	25.95	26.08	26.03		27.0	0.0
100	PQ2 BPSK	1	271	25.03	25.11	25.04			
100	PQ2 BPSK	135	0	25.72	25.81	25.68		27.0	0.0
100	PQ2 BPSK	135	69	25.94	26.00	25.85		27.0	0.0
100	PQ2 BPSK	135	138	25.64	25.75	25.62		27.0	0.0
100	PQ2 BPSK	270	0	25.53	25.67	25.56			
100	QPSK	1	1	24.97	25.10	25.05			
100	QPSK	1	137	25.97	26.17	26.05		27.0	0.0
100	QPSK	1	271	25.07	25.16	25.10			
100	QPSK	135	0	25.86	25.89	25.64		27.0	0.0
100	QPSK	135	69	25.97	25.92	25.64		27.0	0.0
100	QPSK	135	138	25.60	25.65	25.61		27.0	0.0
100	QPSK	270	0	25.60	25.70	25.61			
100	16QAM	1	1	24.38	24.46	24.39		27.0	0.0
100	64QAM	1	1	23.23	23.31	23.21		24.5	2.5
100	256QAM	1	1	21.87	21.94	21.83		22.5	4.5
Channel				508200	518598	528996		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	123	26.08	26.15	26.01		27.0	0.0
Channel				507204	518598	529998		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	109	26.03	26.06	26.13		27.0	0.0
Channel				505200	518598	531996		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2626	2592.99	2659.99			
60	QPSK	1	81	26.01	26.13	26.02		27.0	0.0
Channel				504204	518598	532998		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	26.07	26.05	26.03		27.0	0.0
Channel				503202	518598	533998		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	26.01	26.07	26.05		27.0	0.0
Channel				501204	518598	535998		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2504.02	2592.99	2679.99			
20	QPSK	1	26	26.14	26.06	26.08		27.0	0.0
Channel				500700	518598	536496		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	19	26.02	26.10	26.08		27.0	0.0
Channel				500202	518598	537000		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	12	26.11	26.13	26.02		27.0	0.0



Par27O n77 Ant2 Default/DSI2 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	21.57	21.57	21.58	23.5	0.0	
100	PI2 BPSK	1	137	21.56	21.58	21.60			
100	PI2 BPSK	1	271	21.58	21.59	21.52			
100	PI2 BPSK	135	0	21.57	21.60	21.56			
100	PI2 BPSK	135	69	21.58	21.57	21.57	23.5	0.0	
100	PI2 BPSK	135	138	21.56	21.59	21.59	23.5	0.0	
100	PI2 BPSK	270	0	21.57	21.56	21.59	23.5	0.0	
100	QPSK	1	1	21.58	21.58	21.52			
100	QPSK	1	137	21.60	21.61	21.54			
100	QPSK	1	271	21.58	21.56	21.51			
100	QPSK	135	0	21.56	21.58	21.51	23.5	0.0	
100	QPSK	135	69	21.59	21.60	21.52	23.5	0.0	
100	QPSK	135	138	21.59	21.58	21.53	23.5	0.0	
100	QPSK	270	0	21.57	21.59	21.51	23.5	0.0	
100	16QAM	1	1	21.56	21.58	21.52			
100	64QAM	1	1	21.56	21.58	21.52			
100	256QAM	1	1	21.56	21.57	21.51			
Channel				649699	650000	650234	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	123	21.58	21.59	21.51	23.5	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	109	21.57	21.57	21.53	23.5	0.0	
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	81	21.56	21.59	21.53	23.5	0.0	
Channel				648334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	67	21.58	21.58	21.53	23.5	0.0	
Channel				648000	650000	650000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	53	21.55	21.60	21.52	23.5	0.0	
Channel				647334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	26	21.55	21.58	21.53	23.5	0.0	
Channel				647168	650000	650434	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	19	21.59	21.59	21.51	23.5	0.0	
Channel				647000	650000	650500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	12	21.58	21.57	21.52	23.5	0.0	

Part27Q n77 Ant2 Default/DSI2 DFT-30									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1		21.52		23.5	0.0	
100	PI2 BPSK	1	137		21.56				
100	PI2 BPSK	1	271		21.57				
100	PI2 BPSK	135	0		21.51				
100	PI2 BPSK	135	69		21.56		23.5	0.0	
100	PI2 BPSK	135	138		21.58		23.5	0.0	
100	PI2 BPSK	270	0		21.52		23.5	0.0	
100	QPSK	1	1		21.55				
100	QPSK	1	137		21.58				
100	QPSK	1	271		21.51				
100	QPSK	135	0		21.55		22.5	1.0	
100	QPSK	135	69		21.57		23.5	0.0	
100	QPSK	135	138		21.54		22.5	1.0	
100	QPSK	270	0		21.54		23.5	0.0	
100	16QAM	1	1		21.56				
100	64QAM	1	1		21.55				
100	256QAM	1	1		21.53				
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	123	21.25	21.14	21.29	23.5	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109	21.24	21.18	21.13	23.5	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	81	21.21	21.09	21.17	23.5	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67	21.12	21.06	21.18	23.5	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53	21.27	21.14	21.20	23.5	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26	21.11	21.20	21.24	23.5	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.5			
15	QPSK	1	19	21.28	21.22	21.14	23.5	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	12	21.20	21.17	21.26	23.5	0.0	

Part27O n78 Ant2 Default/DSI2 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		23.03		25.0	0.0	
100	PI2 BPSK	1	137		23.41				
100	PI2 BPSK	1	271		23.34				
100	PI2 BPSK	135	0		23.27				
100	PI2 BPSK	135	69		23.24		25.0	0.0	
100	PI2 BPSK	135	138		23.17		25.0	0.0	
100	PI2 BPSK	270	0		23.13		25.0	0.0	
100	QPSK	1	1		23.01				
100	QPSK	1	137		23.44				
100	QPSK	1	271		23.38				
100	QPSK	135	0		23.25		25.0	0.0	
100	QPSK	135	69		23.26		25.0	0.0	
100	QPSK	135	138		23.21		25.0	0.0	
100	QPSK	270	0		23.24		25.0	0.0	
100	16QAM	1	1		23.11				
100	64QAM	1	1		23.09				
100	256QAM	1	1		23.03				
Channel				649698	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	123	23.04	23.03	23.03	25.0	0.0	
Channel				649334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	109	23.06	23.01	23.05	25.0	0.0	
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	81	23.04	23.08	23.01	25.0	0.0	
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	67	23.05	23.01	23.09	25.0	0.0	
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	53	23.09	23.02	23.04	25.0	0.0	
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	26	23.01	23.03	23.04	25.0	0.0	
Channel				647168	650000	652834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	19	23.01	23.01	23.08	25.0	0.0	
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	12	23.03	23.05	23.05	25.0	0.0	

Part27Q 78 Default/DSI2 DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				633334			25.0	0.0
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1		23.03		25.0	0.0
100	PI/2 BPSK	1	137		23.27			
100	PI/2 BPSK	1	271		23.26		25.0	0.0
100	PI/2 BPSK	135	0		23.18			
100	PI/2 BPSK	135	69		23.12		25.0	0.0
100	PI/2 BPSK	135	138		23.08			
100	PI/2 BPSK	270	0		23.01		25.0	0.0
100	QPSK	1	1		23.06			
100	QPSK	1	137		23.30		25.0	0.0
100	QPSK	1	271		23.27			
100	QPSK	135	0		23.13		25.0	0.0
100	QPSK	135	69		23.17			
100	QPSK	135	138		23.08		25.0	0.0
100	QPSK	270	0		23.19			
100	16QAM	1	1		23.06		25.0	0.0
100	64QAM	1	1		23.16			
100	256QAM	1	1		23.09		25.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	123	23.16	23.17	23.22	25.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	109	23.26	23.23	23.24	25.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	23.17	23.18	23.26	25.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	23.24	23.16	23.17	25.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	23.23	23.18	23.15	25.0	0.0
Channel				630968	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26	23.20	23.16	23.18	25.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3451.5	3500.01	3543.23		
15	QPSK	1	19	23.20	23.22	23.19	25.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	23.19	23.22	23.15	25.0	0.0



Par270 n77 Ant3 PC3 Default/DSI2 DFT-30									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pl2 BPSK	1	1	22.59	22.66	22.52	24.5	0.0	
100	Pl2 BPSK	1	137	23.56	23.67	23.55			
100	Pl2 BPSK	1	271	22.69	22.76	22.72			
100	Pl2 BPSK	136	0	23.48	23.54	23.48			
100	Pl2 BPSK	136	69	23.57	23.66	23.56	24.5	0.0	
100	Pl2 BPSK	136	138	23.41	23.46	23.34	24.5	0.0	
100	Pl2 BPSK	270	0	23.39	23.48	23.39			
100	QPSK	1	1	22.58	22.70	22.64	24.5	0.0	
100	QPSK	1	137	23.56	23.72	23.61			
100	QPSK	1	271	22.69	22.78	22.72			
100	QPSK	136	0	23.40	23.53	23.47			
100	QPSK	136	69	23.62	23.70	23.63	24.5	0.0	
100	QPSK	136	138	23.52	23.46	23.35	24.5	0.0	
100	QPSK	270	0	23.41	23.53	23.42			
100	16QAM	1	1	22.44	22.53	22.39	23.5	1.0	
100	64QAM	1	1	22.41	22.44	22.40	23.5	1.0	
100	256QAM	1	1	21.41	21.55	21.42	22.0	2.5	
Channel									
Frequency (MHz)									
80	QPSK	1	123	23.57	23.63	23.52	24.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	109	23.08	23.65	23.52	24.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	81	23.53	23.62	23.54	24.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	67	23.58	23.63	23.62	24.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	53	23.52	23.62	23.57	24.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	26	23.53	23.67	23.54	24.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	19	23.58	23.57	23.52	24.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	12	23.56	23.61	23.58	24.5	0.0	

Par270 n77 Ant3 PC2 Default/DS12 DFT-30											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
100	Pl2 BPSK	1	1	25.10	25.14	25.01	27.0	0.0			
100	Pl2 BPSK	1	137	25.70	25.81	25.68					
100	Pl2 BPSK	1	271	25.10	25.18	25.14					
100	Pl2 BPSK	136	0	25.56	25.59	25.54					
100	Pl2 BPSK	136	69	25.77	25.82	25.77	27.0	0.0			
100	Pl2 BPSK	136	138	25.50	25.61	25.50	27.0	0.0			
100	Pl2 BPSK	270	0	25.48	25.56	25.51					
100	QPSK	1	1	25.11	25.12	25.12	27.0	0.0			
100	QPSK	1	137	25.74	25.83	25.80					
100	QPSK	1	271	25.11	25.15	25.09					
100	QPSK	136	0	25.58	25.67	25.60					
100	QPSK	136	69	25.68	25.75	25.64	27.0	0.0			
100	QPSK	136	138	25.56	25.60	25.52	27.0	0.0			
100	QPSK	270	0	25.46	25.58	25.53					
100	16QAM	1	1	24.34	24.40	24.38	26.0	1.0			
100	64QAM	1	1	22.96	22.96	22.94	24.5	2.5			
100	256QAM	1	1	21.72	21.80	21.78	23.0	4.0			
Channel											
Frequency (MHz)											
80	QPSK	1	123	25.53	25.59	25.43	27.0	0.0			
Channel											
Frequency (MHz)											
80	QPSK	1	109	25.42	25.63	25.47	27.0	0.0			
Channel											
Frequency (MHz)											
60	QPSK	1	81	25.49	25.64	25.39	27.0	0.0			
Channel											
Frequency (MHz)											
50	QPSK	1	67	25.43	25.55	25.43	27.0	0.0			
Channel											
Frequency (MHz)											
40	QPSK	1	53	25.41	25.58	25.47	27.0	0.0			
Channel											
Frequency (MHz)											
20	QPSK	1	26	25.44	25.53	25.40	27.0	0.0			
Channel											
Frequency (MHz)											
15	QPSK	1	19	25.52	25.54	25.38	27.0	0.0			
Channel											
Frequency (MHz)											
10	QPSK	1	12	25.43	25.58	25.43	27.0	0.0			

Part27Q n77 Ant3 PC3 Default/DSI2 DFT-30									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pl2 BPSK	1	1		22.53		24.5	0.0	
100	Pl2 BPSK	1	137		22.58				
100	Pl2 BPSK	1	271		22.58				
100	Pl2 BPSK	136	0		23.14				
100	Pl2 BPSK	136	69		23.34		24.5	0.0	
100	Pl2 BPSK	136	138		23.14		24.5	0.0	
100	Pl2 BPSK	270	0		23.29				
100	QPSK	1	1		22.58		24.5	0.0	
100	QPSK	1	137		22.46				
100	QPSK	1	271		22.87				
100	QPSK	136	0		22.87				
100	QPSK	136	69		22.43		24.5	0.0	
100	QPSK	136	138		23.21		24.5	0.0	
100	QPSK	270	0		23.29				
100	16QAM	1	1		21.50		23.5	1.0	
100	64QAM	1	1		22.43		23.5	1.0	
100	256QAM	1	1		21.50		22.0	2.5	
Channel									
Frequency (MHz)									
90	QPSK	1	123		633500	633534	24.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	109		633500	633534	24.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	81		633500	633534	24.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	67		633500	633534	24.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	53		633500	633534	24.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	26		633500	633534	24.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	19		633500	633534	24.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	12		633500	633534	24.5	0.0	



Part27Q n77 Ant3 PC2 Default/DSI2 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PQ2 BPSK	1	1	25.12	633334	3600.01			
100	PQ2 BPSK	1	137	25.47			27.0	0.0	
100	PQ2 BPSK	1	271	25.13					
100	PQ2 BPSK	135	0	25.26			27.0	0.0	
100	PQ2 BPSK	135	69	25.56			27.0	0.0	
100	PQ2 BPSK	135	138	25.27			27.0	0.0	
100	PQ2 BPSK	270	0	25.33			27.0	0.0	
100	QPSK	1	1	25.10					
100	QPSK	1	137	25.63			27.0	0.0	
100	QPSK	1	271	25.21					
100	QPSK	135	0	25.41			27.0	0.0	
100	QPSK	135	69	25.52			27.0	0.0	
100	QPSK	135	138	25.33			27.0	0.0	
100	QPSK	270	0	25.24			27.0	0.0	
100	16QAM	1	1	24.34			26.0	1.0	
100	64QAM	1	1	22.90			24.5	2.5	
100	256QAM	1	1	21.72			23.0	4.0	
Channel									
				633000	633334	633668	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)									
90	QPSK	1	123	25.37	25.34	25.37	27.0	0.0	
Channel									
				632668	633334	634000	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)									
80	QPSK	1	109	25.33	25.28	25.35	27.0	0.0	
Channel									
				632000	633334	634668	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)									
60	QPSK	1	81	25.34	25.31	25.38	27.0	0.0	
Channel									
				631668	633334	630000	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)									
50	QPSK	1	67	25.32	25.30	25.32	27.0	0.0	
Channel									
				631334	633334	630334	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)									
40	QPSK	1	53	25.27	25.33	25.31	27.0	0.0	
Channel									
				630668	633334	630000	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)									
20	QPSK	1	26	25.37	25.30	25.37	27.0	0.0	
Channel									
				630334	633334	630168	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)									
15	QPSK	1	19	25.36	25.34	25.28	27.0	0.0	
Channel									
				630334	633334	630334	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)									
10	QPSK	1	12	25.36	25.28	25.36	27.0	0.0	

Part270 n78 Ant3 PC3 Default/DS12 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PQ2 BPSK	1	1	23.13	3750	3750			
100	PQ2 BPSK	1	137	24.18			24.5	0.0	
100	PQ2 BPSK	1	271	23.50					
100	PQ2 BPSK	135	0	23.93			24.5	0.0	
100	PQ2 BPSK	135	69	24.18			24.5	0.0	
100	PQ2 BPSK	135	138	24.08			24.5	0.0	
100	PQ2 BPSK	270	0	24.01					
100	QPSK	1	1	23.18					
100	QPSK	1	137	24.25			24.5	0.0	
100	QPSK	1	271	23.50					
100	QPSK	135	0	23.94			24.5	0.0	
100	QPSK	135	69	24.18			24.5	0.0	
100	QPSK	135	138	24.10					
100	QPSK	270	0	24.02			24.5	0.0	
100	16QAM	1	1	22.96			23.5	1.0	
100	64QAM	1	1	22.93			23.5	1.0	
100	256QAM	1	1	21.94			22.0	2.5	
Channel									
				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
90	QPSK	1	123	3745.02	3750	3755.01			
Channel									
				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
80	QPSK	1	109	24.06	24.07	24.09	24.5	0.0	
Channel									
				648996	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
60	QPSK	1	81	24.05	24.08	24.11	24.5	0.0	
Channel									
				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
50	QPSK	1	67	24.13	24.09	24.13	24.5	0.0	
Channel									
				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
40	QPSK	1	53	24.15	24.10	24.06	24.5	0.0	
Channel									
				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
20	QPSK	1	26	24.12	24.07	24.08	24.5	0.0	
Channel									
				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	19	24.14	24.13	24.16	24.5	0.0	
Channel									
				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	12	24.05	24.06	24.13	24.5	0.0	

Part27O n78 Ant3 PC2 Default/DSI2 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PQ2 BPSK	1	1	23.02	3750	3750			
100	PQ2 BPSK	1	137	26.11			27.0	0.0	
100	PQ2 BPSK	1	271	25.55					
100	PQ2 BPSK	135	0	25.88			27.0	0.0	
100	PQ2 BPSK	135	69	26.15			27.0	0.0	
100	PQ2 BPSK	135	138	26.03			27.0	0.0	
100	PQ2 BPSK	270	0	26.06			27.0	0.0	
100	QPSK	1	1	25.13					
100	QPSK	1	137	26.18			27.0	0.0	
100	QPSK	1	271	25.42					
100	QPSK	135	0	25.97			27.0	0.0	
100	QPSK	135	69	26.07			27.0	0.0	
100	QPSK	135	138	26.06			27.0	0.0	
100	QPSK	270	0	26.03			27.0	0.0	
100	16QAM	1	1	25.14			26.0	1.0	
100	64QAM	1	1	23.66			24.5	2.5	
100	256QAM	1	1	22.19			23.0	4.0	
Channel									
				649999	650000	650334	Tune-up limit (dBm)		MPR (dB)
90	QPSK	1	123	3745.02	3750	3755.01			
Channel									
				649333	650000	650668	Tune-up limit (dBm)		MPR (dB)
80	QPSK	1	109	26.08	26.02	26.02	27.0	0.0	
Channel									
				648996	650000	651334	Tune-up limit (dBm)		MPR (dB)
60	QPSK	1	81	26.07	26.06	26.04	27.0	0.0	
Channel									
				648333	650000	651668	Tune-up limit (dBm)		MPR (dB)
50	QPSK	1	67	26.02	26.04	26.12	27.0	0.0	
Channel									
				648000	650000	652000	Tune-up limit (dBm)		MPR (dB)
40	QPSK	1	53	26.11	26.05	26.09	27.0	0.0	
Channel									
				647333	650000	652668	Tune-up limit (dBm)		MPR (dB)
30	QPSK	1	39	26.10	26.07	26.10	27.0	0.0	
Channel									
				647000	650000	653000	Tune-up limit (dBm)		MPR (dB)
20	QPSK	1	26	26.08	26.08	26.08	27.0	0.0	
Channel									
				647168	650000	652934	Tune-up limit (dBm)		MPR (dB)
15	QPSK	1	19	26.06	26.07	26.09	27.0	0.0	
Channel									
				647000	650000	653000	Tune-up limit (dBm)		MPR (dB)
10	QPSK	1	12	26.01	26.08	26.01	27.0	0.0	

Part270 n78 Ant3 PC3 Default/DSI2 DFT-30									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633334				
Frequency (MHz)				3500.01					
100	Pl2 BPSK	1	1	23.11					
100	Pl2 BPSK	1	137	24.14			24.5		
100	Pl2 BPSK	1	271	23.56					
100	Pl2 BPSK	135	0	23.98			24.5		
100	Pl2 BPSK	135	69	24.08					
100	Pl2 BPSK	135	138	24.03			24.5		
100	Pl2 BPSK	270	0	23.97			24.5		
100	QPSK	1	1	23.16					
100	QPSK	1	137	24.04			24.5		
100	QPSK	1	271	23.58					
100	QPSK	135	0	24.07			24.5		
100	QPSK	135	69	24.16					
100	QPSK	135	138	24.05			24.5		
100	QPSK	270	0	24.08			24.5		
100	16QAM	1	1	23.21			23.5		
100	64QAM	1	1	23.14			23.5		
100	256QAM	1	1	21.91			22.0		
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3502.02	(dBm)	(dB)	
90	QPSK	1	123	24.17	24.13	24.12	24.5		
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	109	24.18	24.20	24.14	24.5		
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	81	24.15	24.13	24.19	24.5		
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3473.01	3500.01	3526.01	(dBm)	(dB)	
50	QPSK	1	67	24.11	24.14	24.16	24.5		
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3473.01	3500.01	3526.01	(dBm)	(dB)	
40	QPSK	1	53	24.12	24.22	24.17	24.5		
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	26	24.23	24.18	24.12	24.5		
Channel				630000	633334	636668	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	19	24.18	24.17	24.22	24.5		
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	12	24.13	24.19	24.17	24.5		

Part270 n78 Ant3 PC2 Default/DSI2 DFT-30									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633334				
Frequency (MHz)				3500.01					
100	Pl2 BPSK	1	1	23.10					
100	Pl2 BPSK	1	137	26.16			27.0		
100	Pl2 BPSK	1	271	25.62					
100	Pl2 BPSK	135	0	25.97			27.0		
100	Pl2 BPSK	135	69	26.15			27.0		
100	Pl2 BPSK	135	138	26.03			27.0		
100	Pl2 BPSK	270	0	26.13			27.0		
100	QPSK	1	1	25.23					
100	QPSK	1	137	26.03			27.0		
100	QPSK	1	271	25.58					
100	QPSK	135	0	26.12			27.0		
100	QPSK	135	69	26.17			27.0		
100	QPSK	135	138	26.09			27.0		
100	QPSK	270	0	26.15			27.0		
100	16QAM	1	1	25.23			26.0		
100	64QAM	1	1	24.81			24.5		
100	256QAM	1	1	22.31			23.0		
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	123	25.11	23.16	23.18	27.0		
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	109	25.16	25.15	25.14	27.0		
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	81	25.14	25.20	25.20	27.0		
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525.02	(dBm)	(dB)	
50	QPSK	1	67	25.18	25.10	25.18	27.0		
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3473.01	3500.01	3526.01	(dBm)	(dB)	
40	QPSK	1	53	25.12	25.20	25.12	27.0		
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	26	25.19	25.15	25.12	27.0		
Channel				630000	633334	636668	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	19	25.15	25.09	25.16	27.0		
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	12	25.15	25.17	25.12	27.0		



n5 Ant4 Default/DSI2 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166300	167300	167600	25.5	0.0	
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	24.43	24.48	24.37			
20	PI2 BPSK	1	26	24.56	24.64	24.59	25.0	0.5	
20	PI2 BPSK	1	49	24.44	24.52	24.45			
20	PI2 BPSK	25	0	24.01	24.15	24.04			
20	PI2 BPSK	25	13	24.58	24.66	24.54	25.5	0.0	
20	PI2 BPSK	25	26	24.03	24.15	24.03			
20	PI2 BPSK	50	0	24.09	24.20	24.13			
20	QPSK	1	1	24.63	24.69	24.57	25.5	0.0	
20	QPSK	1	26	24.52	24.59	24.48			
20	QPSK	1	49	24.40	24.46	24.35			
20	QPSK	25	0	23.56	23.63	23.55	24.5	1.0	
20	QPSK	25	13	24.43	24.55	24.44			
20	QPSK	25	26	23.56	23.62	23.53			
20	QPSK	50	0	23.53	23.66	23.61	24.5	1.0	
20	16QAM	1	1	23.16	23.24	23.16			
20	64QAM	1	1	21.66	21.79	21.69		23.0	
20	256QAM	1	1	20.28	20.33	20.24			
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5	25.5	0.0	
15	QPSK	1	1	24.50	24.63	24.51			
Channel				165200	167200	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844	25.5	0.0	
10	QPSK	1	1	24.52	24.55	24.46			

n7 Ant4 DSI2 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000	24.5	0.0	
Frequency (MHz)				2510	2535	2560			
20	PI2 BPSK	1	1	23.15	23.26	23.19			
20	PI2 BPSK	1	26	23.39	23.49	23.34	24.5	0.0	
20	PI2 BPSK	1	49	23.25	23.32	23.30			
20	PI2 BPSK	25	0	23.35	23.45	23.41			
20	PI2 BPSK	25	13	23.23	23.38	23.22	24.5	0.0	
20	PI2 BPSK	25	26	23.11	23.22	23.22			
20	PI2 BPSK	50	0	23.44	23.50	23.51			
20	QPSK	1	1	23.49	23.56	23.42	24.5	0.0	
20	QPSK	1	26	23.20	23.33	23.22			
20	QPSK	1	49	23.41	23.43	23.31			
20	QPSK	25	0	23.24	23.39	23.23	24.5	0.0	
20	QPSK	25	13	23.36	23.53	23.44			
20	QPSK	25	26	23.26	23.42	23.21			
20	QPSK	50	0	23.27	23.29	23.21	24.5	0.0	
20	16QAM	1	1	23.20	23.29	23.20			
20	64QAM	1	1	21.46	21.56	21.47		23.0	
20	256QAM	1	1	20.08	20.23	20.15			
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	24.5	0.0	
15	QPSK	1	1	23.18	23.30	23.25			
Channel				531000	532000	533000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2605	2635	2665	24.5	0.0	
10	QPSK	1	1	23.19	23.36	23.18			

n66 Ant4 Default/DSI2 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	350000	25.0	0.0	
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	23.78	23.91	23.87			
40	PI2 BPSK	1	53	23.81	23.86	23.74	24.5	0.5	
40	PI2 BPSK	1	104	23.75	23.82	23.78			
40	PI2 BPSK	50	0	23.22	23.36	23.25			
40	PI2 BPSK	50	26	23.79	23.84	23.80	24.5	0.0	
40	PI2 BPSK	50	56	23.23	23.37	23.26			
40	PI2 BPSK	100	0	23.22	23.33	23.26			
40	QPSK	1	1	23.88	23.95	23.85	25.0	0.0	
40	QPSK	1	53	23.75	23.85	23.71			
40	QPSK	1	104	23.83	23.89	23.77			
40	QPSK	50	0	22.92	23.03	22.97	24.0	1.0	
40	QPSK	50	26	23.78	23.83	23.69			
40	QPSK	50	56	22.87	22.97	22.83			
40	QPSK	100	0	22.96	23.06	22.92	24.0	1.0	
40	16QAM	1	1	22.39	22.52	22.46			
40	64QAM	1	1	21.19	21.25	21.22		22.5	
40	256QAM	1	1	19.29	19.42	19.30			
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770	25.0	0.0	
20	QPSK	1	1	23.79	23.90	23.73			
Channel				343000	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	25.0	0.0	
15	QPSK	1	1	23.81	23.91	23.77			
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	25.0	0.0	
10	QPSK	1	1	23.76	23.86	23.66			



n38 Ant4 Default/DSI2 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	518000	518996			
Frequency (MHz)				2580.00	2586	2599.98			
40	PI2 BPSK	1	1	24.28	24.36	24.23			
40	PI2 BPSK	1	53	24.46	24.51	24.37		25.5	0.0
40	PI2 BPSK	1	104	24.34	24.43	24.34			
40	PI2 BPSK	50	0	23.97	24.03	23.95		25.0	0.5
40	PI2 BPSK	50	28	24.50	24.57	24.43		25.5	0.0
40	PI2 BPSK	50	58	23.88	23.99	23.84			
40	PI2 BPSK	100	0	23.89	24.06	23.95		25.0	0.5
40	QPSK	1	1	24.54	24.72	24.50			
40	QPSK	1	53	24.35	24.70	24.40		25.5	0.0
40	QPSK	1	104	24.18	24.33	24.23			
40	QPSK	50	0	23.44	23.55	23.42		24.5	1.0
40	QPSK	50	28	24.27	24.41	24.29		25.5	0.0
40	QPSK	50	58	23.42	23.53	23.45		24.5	1.0
40	QPSK	100	0	23.48	23.57	23.51			
40	16QAM	1	1	23.12	23.19	23.09		24.5	1.0
40	64QAM	1	1	21.59	21.70	21.55		23.0	2.5
40	256QAM	1	1	20.26	20.37	20.27		21.0	4.5
Channel				518000	518000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	24.54	24.39	24.36		24.5	0.0
Channel				518200	518000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	24.34	24.59	24.17		25.5	0.0
Channel				518004	518000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2583.02	2586	2614.08			
10	QPSK	1	1	24.14	24.69	24.35		25.5	0.0

n41 PC3 Ant4 Default/DSI2 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				508000	518598	528000			
Frequency (MHz)				2548.01	2592.99	2640			
100	PI2 BPSK	1	1	23.16	23.09	23.01			
100	PI2 BPSK	1	137	24.13	24.27	24.17		24.5	0.0
100	PI2 BPSK	1	271	23.23	23.28	23.23			
100	PI2 BPSK	135	0	23.94	24.05	23.94		24.5	0.0
100	PI2 BPSK	135	69	24.08	24.23	24.11		24.5	0.0
100	PI2 BPSK	135	138	23.90	24.02	23.83			
100	PI2 BPSK	270	0	23.91	24.04	23.95		24.5	0.0
100	QPSK	1	1	23.20	23.24	23.17			
100	QPSK	1	137	24.33	24.38	24.32		24.5	0.0
100	QPSK	1	271	23.27	23.33	23.25			
100	QPSK	135	0	23.90	24.04	23.88		24.5	0.0
100	QPSK	135	69	24.16	24.27	24.18		24.5	0.0
100	QPSK	135	138	23.98	24.02	23.89			
100	QPSK	270	0	23.98	24.06	23.98		24.5	0.0
100	16QAM	1	1	22.90	23.02	22.98		23.5	1.0
100	64QAM	1	1	22.89	22.93	22.85		23.5	1.0
100	256QAM	1	1	21.95	21.98	21.92		22.0	2.5
Channel				508200	518598	528998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	123	23.16	23.18	23.11		24.5	0.0
Channel				508204	518598	529598	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	109	23.10	23.13	23.06		24.5	0.0
Channel				508200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536	2592.99	2659.99			
60	QPSK	1	81	23.11	23.19	23.02		24.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	23.13	23.17	23.13		24.5	0.0
Channel				508204	518598	533998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	23.11	23.17	23.03		24.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.02	2592.99	2679.99			
20	QPSK	1	28	23.14	23.12	23.12		24.5	0.0
Channel				500700	518598	536498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	19	23.14	23.16	23.10		24.5	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2688			
10	QPSK	1	12	23.15	23.14	23.12		24.5	0.0

n41 PC2 Ant4 Default/DSI2 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				508000	518598	528000			
Frequency (MHz)				2548.01	2592.99	2640			
100	PI2 BPSK	1	1	25.34	25.43	25.32			
100	PI2 BPSK	1	137	25.86	25.99	25.89		27.0	0.0
100	PI2 BPSK	1	271	25.35	25.48	25.43			
100	PI2 BPSK	135	0	25.85	25.93	25.86		27.0	0.0
100	PI2 BPSK	135	69	25.85	25.97	25.85		27.0	0.0
100	PI2 BPSK	135	138	25.85	25.91	25.78			
100	PI2 BPSK	270	0	25.77	25.88	25.76		27.0	0.0
100	QPSK	1	1	25.41	25.55	25.48			
100	QPSK	1	137	25.94	26.08	25.88		27.0	0.0
100	QPSK	1	271	25.40	25.51	25.47			
100	QPSK	135	0	25.89	25.93	25.84		27.0	0.0
100	QPSK	135	69	25.94	26.01	25.89		27.0	0.0
100	QPSK	135	138	25.83	25.88	25.73			
100	QPSK	270	0	25.89	25.97	25.90		27.0	0.0
100	16QAM	1	1	24.87	24.85	24.88		26.0	1.0
100	64QAM	1	1	23.44	23.50	23.47		24.5	2.5
100	256QAM	1	1	21.99	22.07	21.94		23.0	4.0
Channel				508200	518598	528998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	123	25.33	25.41	25.42		27.0	0.0
Channel				508204	518598	529598	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	109	25.34	25.52	25.43		27.0	0.0
Channel				508200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536	2592.99	2659.99			
60	QPSK	1	81	25.35	25.43	25.30		27.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	25.31	25.52	25.40		27.0	0.0
Channel				508204	518598	533998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	25.30	25.44	25.41		27.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.02	2592.99	2679.99			
20	QPSK	1	28	25.34	25.51	25.40		27.0	0.0
Channel				500700	518598	536498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	19	25.31	25.47	25.41		27.0	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2688			
10	QPSK	1	12	25.33	25.44	25.35		27.0	0.0



Par270 n77 Ant5 DS12 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	15.56	15.67	15.53	17.5	0.0	
100	PI2 BPSK	1	137	15.56	15.70	15.54			
100	PI2 BPSK	1	271	15.52	15.68	15.51			
100	PI2 BPSK	135	0	15.56	15.70	15.52	17.5	0.0	
100	PI2 BPSK	135	69	15.55	15.69	15.52			
100	PI2 BPSK	135	138	15.55	15.69	15.51			
100	PI2 BPSK	270	0	15.54	15.65	15.53	17.5	0.0	
100	QPSK	1	1	15.54	15.65	15.53			
100	QPSK	1	137	15.62	15.71	15.59			
100	QPSK	1	271	15.55	15.67	15.54	17.5	0.0	
100	QPSK	135	0	15.56	15.68	15.52			
100	QPSK	135	69	15.55	15.68	15.53			
100	QPSK	135	138	15.55	15.60	15.57	17.5	0.0	
100	QPSK	270	0	15.56	15.57	15.55			
100	16QAM	1	1	15.57	15.66	15.56		17.5	
100	64QAM	1	1	15.54	15.68	15.51			
100	256QAM	1	1	15.54	15.65	15.51			
Channel				648668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	123	15.52	15.60	15.55	17.5	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	109	15.57	15.61	15.61	17.5	0.0	
Channel				648668	650000	653334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.02	3840	3950.01			
60	QPSK	1	81	15.53	15.56	15.61	17.5	0.0	
Channel				648334	650000	653668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	67	15.54	15.61	15.60	17.5	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	53	15.55	15.63	15.57	17.5	0.0	
Channel				647334	650000	654668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3718.01	3840	3970.02			
20	QPSK	1	26	15.57	15.60	15.60	17.5	0.0	
Channel				647168	650000	654834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	19	15.54	15.59	15.58	17.5	0.0	
Channel				647000	650000	655000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	12	15.54	15.63	15.60	17.5	0.0	

Part27Q n77 Ant5 DS12 DFT-30												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)				
Channel				633334								
Frequency (MHz)				3500.01								
100	PI2 BPSK	1	1	15.66			17.5	0.0				
100	PI2 BPSK	1	137	15.68								
100	PI2 BPSK	1	271	15.67								
100	PI2 BPSK	135	0	15.69			17.5	0.0				
100	PI2 BPSK	135	69	15.69								
100	PI2 BPSK	135	138	15.67								
100	PI2 BPSK	270	0	15.63			17.5	0.0				
100	QPSK	1	1	15.67								
100	QPSK	1	137	15.75								
100	QPSK	1	271	15.65			17.5	0.0				
100	QPSK	135	0	15.64								
100	QPSK	135	69	15.65								
100	QPSK	135	138	15.65			17.5	0.0				
100	QPSK	270	0	15.63								
100	16QAM	1	1	15.63				17.5				
100	64QAM	1	1	15.68								
100	256QAM	1	1	15.65								
Channel				633000	633334	633668	Tune-up limit (dbm)	MPR (db)				
Frequency (MHz)				3495	3500.01	3505.02						
90	QPSK	1	123	15.56	15.63	15.56	17.5	0.0				
Channel				632668	633334	634000	Tune-up limit (dbm)	MPR (db)				
Frequency (MHz)				3490.02	3500.01	3510						
80	QPSK	1	109	15.56	15.63	15.61	17.5	0.0				
Channel				632000	633334	634668	Tune-up limit (dbm)	MPR (db)				
Frequency (MHz)				3480	3500.01	3520.02						
60	QPSK	1	81	15.54	15.59	15.59	17.5	0.0				
Channel				631668	633334	635000	Tune-up limit (dbm)	MPR (db)				
Frequency (MHz)				3475.02	3500.01	3525						
50	QPSK	1	67	15.54	15.62	15.56	17.5	0.0				
Channel				631334	633334	635334	Tune-up limit (dbm)	MPR (db)				
Frequency (MHz)				3470.01	3500.01	3530.01						
40	QPSK	1	53	15.54	15.59	15.61	17.5	0.0				
Channel				630668	633334	636000	Tune-up limit (dbm)	MPR (db)				
Frequency (MHz)				3468.02	3500.01	3540						
20	QPSK	1	26	15.56	15.58	15.60	17.5	0.0				
Channel				630500	633334	636168	Tune-up limit (dbm)	MPR (db)				
Frequency (MHz)				3457.5	3500.01	3542.52						
15	QPSK	1	19	15.57	15.58	15.59	17.5	0.0				
Channel				630334	633334	636334	Tune-up limit (dbm)	MPR (db)				
Frequency (MHz)				3455.01	3500.01	3545.01						
10	QPSK	1	12	15.58	15.61	15.59	17.5	0.0				

Part27O n78 Ant5 DS12 DFT-30										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				650000	650000	650000				
Frequency (MHz)				3750	3750	3750				
100	PI2 BPSK	1	1	15.58			17.5	0.0		
100	PI2 BPSK	1	137	15.59						
100	PI2 BPSK	1	271	15.60						
100	PI2 BPSK	135	0	15.60			17.5	0.0		
100	PI2 BPSK	135	69	15.59						
100	PI2 BPSK	135	138	15.57						
100	PI2 BPSK	270	0	15.55			17.5	0.0		
100	QPSK	1	1	15.58						
100	QPSK	1	137	15.67						
100	QPSK	1	271	15.57			17.5	0.0		
100	QPSK	135	0	15.55						
100	QPSK	135	69	15.58						
100	QPSK	135	138	15.56			17.5	0.0		
100	QPSK	270	0	15.52						
100	16QAM	1	1	15.54				17.5		
100	64QAM	1	1	15.57						
100	256QAM	1	1	15.56						
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3745.02	3750	3755.01				
90	QPSK	1	123	15.54	15.59	15.59	17.5	0.0		
Channel				648334	650000	650568	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3740.01	3750	3760.02				
80	QPSK	1	109	15.56	15.59	15.56	17.5	0.0		
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3735.02	3750	3765.02				
60	QPSK	1	81	15.53	15.59	15.59	17.5	0.0		
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3725.01	3750	3775.02				
50	QPSK	1	67	15.53	15.60	15.59	17.5	0.0		
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3720	3750	3780				
40	QPSK	1	53	15.52	15.61	15.58	17.5	0.0		
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3710.01	3750	3790.02				
20	QPSK	1	26	15.53	15.59	15.59	17.5	0.0		
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3707.52	3750	3792.51				
15	QPSK	1	19	15.57	15.57	15.56	17.5	0.0		
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3705	3750	3795				
10	QPSK	1	12	15.52	15.57	15.49	17.5	0.0		

Part27Q 78 Ant5 DS12 DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				633334			17.5	0.0
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1	15.58			17.5	0.0
100	PI2 BPSK	1	137	15.81				
100	PI2 BPSK	1	271	15.60				
100	PI2 BPSK	135	0	15.58				
100	PI2 BPSK	135	69	15.58			17.5	0.0
100	PI2 BPSK	135	138	15.58				
100	PI2 BPSK	270	0	15.54				
100	QPSK	1	1	15.57				
100	QPSK	1	137	15.59			17.5	0.0
100	QPSK	1	271	15.55				
100	QPSK	135	0	15.55				
100	QPSK	135	69	15.56				
100	QPSK	135	138	15.54			17.5	0.0
100	QPSK	270	0	15.50				
100	16QAM	1	1	15.54				
100	64QAM	1	1	15.58				
100	256QAM	1	1	15.58			17.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	123	15.54	15.58	15.59	17.5	0.0
Channel				632505	633115	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	109	15.54	15.61	15.58	17.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	15.58	15.60	15.59	17.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	15.57	15.63	15.60	17.5	0.0
Channel				631334	633114	633334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	15.57	15.58	15.56	17.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	28	15.59	15.62	15.57	17.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	15.53	15.61	15.57	17.5	0.0
Channel				630334	633114	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	15.57	15.57	15.59	17.5	0.0



Par270 n77 Ant6 DS12 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	P12 BPSK	1	1	16.52	16.61	16.55	18.5	0.0	
100	P12 BPSK	1	137	16.55	16.62	16.56			
100	P12 BPSK	1	271	16.54	16.61	16.57			
100	P12 BPSK	135	0	16.54	16.61	16.56			
100	P12 BPSK	135	69	16.54	16.59	16.58	18.5	0.0	
100	P12 BPSK	135	138	16.55	16.57	16.54	18.5	0.0	
100	P12 BPSK	270	0	16.51	16.63	16.55	18.5	0.0	
100	QPSK	1	1	16.52	16.60	16.55			
100	QPSK	1	137	16.56	16.65	16.60			
100	QPSK	1	271	16.53	16.61	16.52			
100	QPSK	135	0	16.56	16.60	16.56	17.5	1.0	
100	QPSK	135	69	16.56	16.61	16.52	18.5	0.0	
100	QPSK	135	138	16.55	16.57	16.56	17.5	1.0	
100	QPSK	270	0	16.54	16.55	16.57	18.5	0.0	
100	16QAM	1	1	16.53	16.62	16.58			
100	64QAM	1	1	16.55	16.62	16.53			
100	256QAM	1	1	16.54	16.59	16.53			
Channel				3745.02	3840	3935.01			
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	123	16.51	16.61	16.55	18.5	0.0	
Channel				649334	650000	650666			
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	109	16.51	16.56	16.54	18.5	0.0	
Channel				648968	650000	651334			
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	81	16.52	16.58	16.52	18.5	0.0	
Channel				648334	650000	651668			
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	67	16.52	16.59	16.55	18.5	0.0	
Channel				648000	650000	654000			
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	53	16.53	16.59	16.52	18.5	0.0	
Channel				647234	650000	654668			
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	26	16.54	16.59	16.54	18.5	0.0	
Channel				647168	650000	654834			
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	19	16.52	16.56	16.52	18.5	0.0	
Channel				647000	650000	655000			
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	12	16.53	16.57	16.54	18.5	0.0	

Part27Q n77 Ant6 DS12 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	P12 BPSK	1	1		16.66	16.55	18.5	0.0	
100	P12 BPSK	1	137		16.67	16.67			
100	P12 BPSK	1	271		16.59	16.67			
100	P12 BPSK	135	0		16.67	16.57			
100	P12 BPSK	135	69		16.63	16.53	18.5	0.0	
100	P12 BPSK	135	138		16.61	16.51	18.5	0.0	
100	P12 BPSK	270	0		16.68	16.68	18.5	0.0	
100	QPSK	1	1		16.66	16.66			
100	QPSK	1	137		16.70	16.60			
100	QPSK	1	271		16.68	16.68			
100	QPSK	135	0		16.65	16.65	17.5	1.0	
100	QPSK	135	69		16.68	16.68	18.5	0.0	
100	QPSK	135	138		16.64	16.64	17.5	1.0	
100	QPSK	270	0		16.68	16.68	18.5	0.0	
100	16QAM	1	1		16.68	16.68			
100	64QAM	1	1		16.64	16.64			
100	256QAM	1	1		16.65	16.65			
Channel				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	123		16.53	16.57	16.52	18.5	
Channel				632668	633334	634000			
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109		16.53	16.57	16.54	18.5	
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3505.02			
60	QPSK	1	81		16.52	16.57	16.51	18.5	
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67		16.51	16.58	16.52	18.5	
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3505.01	3530.01			
40	QPSK	1	53		16.52	16.56	16.54	18.5	
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26		16.51	16.59	16.52	18.5	
Channel				630500	633334	636168			
Frequency (MHz)				3457.52	3503.01	3542.52			
15	QPSK	1	19		16.53	16.56	16.55	18.5	
Channel				630334	633334	636334			
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	12		16.52	16.60	16.53	18.5	

Part27O n78 Ant6 DS12 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	P12 BPSK	1	1		16.59		18.5	0.0	
100	P12 BPSK	1	137		16.60				
100	P12 BPSK	1	271		16.58				
100	P12 BPSK	135	0		16.56				
100	P12 BPSK	135	69		16.53		18.5	0.0	
100	P12 BPSK	135	138		16.52		18.5	0.0	
100	P12 BPSK	270	0		16.59		18.5	0.0	
100	QPSK	1	1		16.57				
100	QPSK	1	137		16.61				
100	QPSK	1	271		16.58				
100	QPSK	135	0		16.54		17.5	1.0	
100	QPSK	135	69		16.55		18.5	0.0	
100	QPSK	135	138		16.51		17.5	1.0	
100	QPSK	270	0		16.53		18.5	0.0	
100	16QAM	1	1		16.60				
100	64QAM	1	1		16.60				
100	256QAM	1	1		16.57				
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01	18.5	0.0	
90	QPSK	1	123		16.52	16.58	16.52	18.5	
Channel				648334	650000	650668			
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	109		16.52	16.57	16.52	18.5	
Channel				648868	650000	651334			
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	81		16.51	16.57	16.53	18.5	
Channel				648334	650000	651668			
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	67		16.54	16.58	16.51	18.5	
Channel				648000	650000	652000			
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	53		16.54	16.58	16.54	18.5	
Channel				647334	650000	652668			
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	26		16.53	16.59	16.53	18.5	
Channel				647168	650000	652334			
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	19		16.53	16.60	16.54	18.5	
Channel				647000	650000	652000			
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	12		16.51	16.58	16.52	18.5	

Part27Q 78 PC2 Ant6 DSI2 DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dbm)	MPR (db)
Channel				633334			18.5	0.0
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1		16.61			
100	PI2 BPSK	1	137		16.60			
100	PI2 BPSK	1	271		16.62			
100	PI2 BPSK	135	0		16.62		18.5	0.0
100	PI2 BPSK	135	69		16.58		18.5	0.0
100	PI2 BPSK	135	138		16.59		18.5	0.0
100	PI2 BPSK	270	0		16.63			
100	QPSK	1	1		16.63			
100	QPSK	1	137		16.64		18.5	0.0
100	QPSK	1	271		16.61			
100	QPSK	135	0		16.61		18.5	0.0
100	QPSK	135	69		16.63		18.5	0.0
100	QPSK	135	138		16.59			
100	QPSK	270	0		16.61		18.5	0.0
100	16QAM	1	1		16.61		18.5	0.0
100	64QAM	1	1		16.59		18.5	0.0
100	256QAM	1	1		16.63		18.5	0.0
Channel				633000	633334	633668	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3485	3500.01	3505.02	18.5	0.0
90	QPSK	1	123	16.51	16.58	16.54	18.5	0.0
Channel				632668	633334	634000	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3490.02	3500.01	3510	18.5	0.0
80	QPSK	1	109	16.53	16.56	16.54	18.5	0.0
Channel				632000	633334	634668	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3480	3500.01	3520.02	18.5	0.0
60	QPSK	1	81	16.53	16.56	16.53	18.5	0.0
Channel				631668	633334	635000	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3475.02	3500.01	3525	18.5	0.0
50	QPSK	1	67	16.53	16.58	16.51	18.5	0.0
Channel				631334	633334	635334	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3470.01	3500.01	3530.01	18.5	0.0
40	QPSK	1	53	16.53	16.56	16.55	18.5	0.0
Channel				630668	633334	636000	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3460.02	3500.01	3540	18.5	0.0
20	QPSK	1	26	16.51	16.58	16.53	18.5	0.0
Channel				630500	633334	636168	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3457.5	3500.01	3542.52	18.5	0.0
15	QPSK	1	19	16.51	16.59	16.53	18.5	0.0
Channel				630334	633334	636334	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3455.01	3500.01	3545.01	18.5	0.0
10	QPSK	1	12	16.53	16.58	16.51	18.5	0.0



n5 Ant1 DSI3 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800	24.5	0.0	
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	23.59	23.71	23.57			
20	PI2 BPSK	1	26	23.57	23.64	23.55	24.5	0.0	
20	PI2 BPSK	1	49	23.49	23.57	23.47			
20	PI2 BPSK	25	0	23.30	23.41	23.32			
20	PI2 BPSK	25	13	23.45	23.51	23.51	24.5	0.0	
20	PI2 BPSK	25	26	23.46	23.61	23.54			
20	PI2 BPSK	50	0	23.46	23.57	23.41			
20	QPSK	1	1	23.66	23.74	23.63	24.5	0.0	
20	QPSK	1	26	23.61	23.72	23.63			
20	QPSK	1	49	23.59	23.65	23.48			
20	QPSK	25	0	23.27	23.37	23.23	24.5	0.0	
20	QPSK	25	13	23.51	23.63	23.55			
20	QPSK	25	26	23.48	23.50	23.46			
20	QPSK	50	0	23.51	23.58	23.51	24.5	0.0	
20	16QAM	1	1	23.05	23.09	23.08			
20	64QAM	1	1	21.62	21.71	21.59		23.0	
20	256QAM	1	1	20.17	20.27	20.19	21.0	3.5	
Channel				166300	167300	168300		Tune-up limit (dBm)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	23.51	23.67	23.53		24.5	
Channel				152300	152300	163300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	23.57	23.59	23.59		24.5	

n7 Ant1 DSI3 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000	19.5	0.0	
Frequency (MHz)				2510	2535	2560			
20	PI2 BPSK	1	1	18.34	18.48	18.39			
20	PI2 BPSK	1	26	18.42	18.48	18.36	19.5	0.0	
20	PI2 BPSK	1	49	18.41	18.51	18.44			
20	PI2 BPSK	25	0	18.50	18.55	18.50			
20	PI2 BPSK	25	13	18.51	18.59	18.55	19.5	0.0	
20	PI2 BPSK	25	26	18.52	18.60	18.49			
20	PI2 BPSK	50	0	18.54	18.58	18.45			
20	QPSK	1	1	18.55	18.62	18.48	19.5	0.0	
20	QPSK	1	26	18.44	18.53	18.45			
20	QPSK	1	49	18.39	18.49	18.39			
20	QPSK	25	0	18.45	18.54	18.45	19.5	0.0	
20	QPSK	25	13	18.43	18.58	18.44			
20	QPSK	25	26	18.39	18.48	18.43			
20	QPSK	50	0	18.43	18.54	18.46	19.5	0.0	
20	16QAM	1	1	18.49	18.56	18.46			
20	64QAM	1	1	18.36	18.45	18.39		19.5	
20	256QAM	1	1	18.42	18.47	18.39	19.5	0.0	
Channel				501500	507000	512500		Tune-up limit (dBm)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	18.45	18.58	18.33		19.5	
Channel				531000	532000	533000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	18.46	18.58	18.40		19.5	

n66 Ant1 DSI3 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000	20.5	0.0	
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	19.45	19.50	19.36			
40	PI2 BPSK	1	53	19.23	19.33	19.20	20.5	0.0	
40	PI2 BPSK	1	104	19.29	19.45	19.36			
40	PI2 BPSK	50	0	19.35	19.45	19.42			
40	PI2 BPSK	50	26	19.44	19.51	19.44	20.5	0.0	
40	PI2 BPSK	50	56	19.29	19.38	19.26			
40	PI2 BPSK	100	0	19.32	19.41	19.33			
40	QPSK	1	1	19.40	19.54	19.47	20.5	0.0	
40	QPSK	1	53	19.41	19.51	19.46			
40	QPSK	1	104	19.30	19.43	19.38			
40	QPSK	50	0	19.34	19.47	19.33	20.5	0.0	
40	QPSK	50	26	19.44	19.50	19.36			
40	QPSK	50	56	19.32	19.41	19.35			
40	QPSK	100	0	19.29	19.44	19.32	20.5	0.0	
40	16QAM	1	1	19.24	19.36	19.22			
40	64QAM	1	1	19.27	19.41	19.36		20.5	
40	256QAM	1	1	19.44	19.48	19.37	20.5	0.0	
Channel				344000	349000	354000		Tune-up limit (dBm)	
Frequency (MHz)				1726	1745	1770			
20	QPSK	1	1	19.26	19.41	19.43		20.5	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	19.35	19.42	19.33		20.5	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1716	1745	1774			
10	QPSK	1	1	19.27	19.46	19.43		20.5	

n38 Ant1 DSI3 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	16.65	16.71	16.66	18.0	0.0	
40	PI/2 BPSK	1	53	16.42	16.55	16.50			
40	PI/2 BPSK	1	104	16.56	16.65	16.53	18.0	0.0	
40	PI/2 BPSK	50	0	16.62	16.67	16.58			
40	PI/2 BPSK	50	28	16.62	16.70	16.59	18.0	0.0	
40	PI/2 BPSK	50	56	16.48	16.60	16.49			
40	PI/2 BPSK	100	0	16.66	16.71	16.68	18.0	0.0	
40	QPSK	1	1	16.76	16.90	16.84			
40	QPSK	1	53	16.50	16.89	16.50	18.0	0.0	
40	QPSK	1	104	16.64	16.77	16.66			
40	QPSK	50	0	16.59	16.72	16.57	18.0	0.0	
40	QPSK	50	28	16.68	16.81	16.74			
40	QPSK	50	56	16.68	16.79	16.70	18.0	0.0	
40	QPSK	100	0	16.73	16.83	16.77			
40	16QAM	1	1	16.69	16.79	16.76	18.0	0.0	
40	64QAM	1	1	16.75	16.84	16.70			
40	256QAM	1	1	16.63	16.78	16.68	18.0	0.0	
Channel				519000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	16.76	16.71	16.88	18.0	0.0	
Channel				515502	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	16.49	16.78	16.30		18.0	
Channel				515004	519000	522998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	16.28	16.87	16.39	18.0	0.0	

n41 PC2&3 Ant1 DSI3 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	18.38	18.44	18.28	19.5	0.0	
100	PI/2 BPSK	1	137	18.36	18.37	18.41			
100	PI/2 BPSK	1	271	18.37	18.34	18.37			
100	PI/2 BPSK	135	0	18.28	18.33	18.28	19.5	0.0	
100	PI/2 BPSK	135	69	18.25	18.36	18.26	19.5	0.0	
100	PI/2 BPSK	135	138	18.03	18.07	18.45	19.5	0.0	
100	PI/2 BPSK	270	0	18.12	18.10	18.07			
100	QPSK	1	1	18.38	18.39	18.31			
100	QPSK	1	137	18.31	18.49	18.39	19.5	0.0	
100	QPSK	1	271	18.31	18.42	18.40			
100	QPSK	135	0	18.09	18.08	18.01			
100	QPSK	135	69	18.28	18.36	18.25	19.5	0.0	
100	QPSK	135	138	18.08	18.11	18.26	19.5	0.0	
100	QPSK	270	0	18.09	18.17	18.07			
100	16QAM	1	1	18.16	18.23	18.34			
100	64QAM	1	1	18.24	18.41	18.43	19.5	0.0	
100	256QAM	1	1	18.12	18.27	18.32	19.5	0.0	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	123	18.29	18.37	18.25	19.5	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	109	18.37	18.43	18.27	19.5	0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2639.98			
60	QPSK	1	81	18.29	18.40	18.34	19.5	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	18.33	18.34	18.32	19.5	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	18.35	18.35	18.35	19.5	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	18.30	18.35	18.28	19.5	0.0	
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	19	18.39	18.43	18.34	19.5	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	12	18.36	18.37	18.26	19.5	0.0	



Par270 n77 Ant2 DS13/Default DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	P12 BPSK	1	1	21.57	21.57	21.58	23.5	0.0	
100	P12 BPSK	1	137	21.56	21.58	21.60			
100	P12 BPSK	1	271	21.58	21.59	21.52			
100	P12 BPSK	135	0	21.57	21.60	21.56	23.5	0.0	
100	P12 BPSK	135	69	21.58	21.57	21.57	23.5	0.0	
100	P12 BPSK	135	138	21.56	21.59	21.59	23.5	0.0	
100	P12 BPSK	270	0	21.57	21.56	21.59	23.5	0.0	
100	QPSK	1	1	21.58	21.58	21.52			
100	QPSK	1	137	21.60	21.61	21.54			
100	QPSK	1	271	21.58	21.56	21.51	23.5	0.0	
100	QPSK	135	0	21.56	21.58	21.51			
100	QPSK	135	69	21.59	21.60	21.52			
100	QPSK	135	138	21.59	21.58	21.53	23.5	0.0	
100	QPSK	270	0	21.57	21.59	21.51	23.5	0.0	
100	16QAM	1	1	21.56	21.58	21.52			
100	64QAM	1	1	21.56	21.58	21.52			
100	256QAM	1	1	21.56	21.57	21.51	23.5	0.0	
Channel				649668	650000	650234	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	123	21.58	21.59	21.51	23.5	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3749.02	3840	3940.02			
80	QPSK	1	109	21.57	21.57	21.53		23.5	
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	81	21.56	21.59	21.53		23.5	
Channel				648334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	67	21.58	21.58	21.53	23.5	0.0	
Channel				648000	650000	650000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	53	21.55	21.60	21.52	23.5	0.0	
Channel				647334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	26	21.55	21.58	21.53	23.5	0.0	
Channel				647168	650000	650434	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	19	21.59	21.59	21.51	23.5	0.0	
Channel				647000	650000	650500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	12	21.58	21.57	21.52	23.5	0.0	

Part27Q n77 Ant2 DS13/Default DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334		3500.01			
Frequency (MHz)				633334					
100	P12 BPSK	1	1	21.52		23.5	0.0		
100	P12 BPSK	1	137	21.56					
100	P12 BPSK	1	271	21.57					
100	P12 BPSK	135	0	21.51		23.5	0.0		
100	P12 BPSK	135	69	21.56		23.5	0.0		
100	P12 BPSK	135	138	21.58		23.5	0.0		
100	P12 BPSK	270	0	21.52		23.5	0.0		
100	QPSK	1	1	21.55		23.5	0.0		
100	QPSK	1	137	21.58					
100	QPSK	1	271	21.51					
100	QPSK	135	0	21.55		22.5	1.0		
100	QPSK	135	69	21.57		23.5	0.0		
100	QPSK	135	138	21.54		22.5	1.0		
100	QPSK	270	0	21.54					
100	16QAM	1	1	21.56					
100	64QAM	1	1	21.55		23.5	0.0		
100	256QAM	1	1	21.53		23.5	0.0		
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	123	21.25	21.14	21.29		23.5	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109	21.24	21.18	21.13		23.5	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	81	21.21	21.09	21.17		23.5	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67	21.12	21.06	21.18		23.5	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53	21.27	21.14	21.20		23.5	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26	21.11	21.20	21.24		23.5	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.51			
15	QPSK	1	19	21.28	21.22	21.14		23.5	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	12	21.20	21.17	21.26		23.5	

Part270 n78 Ant2 DS13/Default DFT-30													
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)					
Channel				650000	650000	650000							
Frequency (MHz)				3750	3750	3750							
100	P12 BPSK	1	1	23.03		25.0	0.0						
100	P12 BPSK	1	137	23.41									
100	P12 BPSK	1	271	23.34									
100	P12 BPSK	135	0	23.27		25.0	0.0						
100	P12 BPSK	135	69	23.24		25.0	0.0						
100	P12 BPSK	135	138	23.17		25.0	0.0						
100	P12 BPSK	270	0	23.13		25.0	0.0						
100	QPSK	1	1	23.01									
100	QPSK	1	137	23.44									
100	QPSK	1	271	23.38		25.0	0.0						
100	QPSK	135	0	23.25									
100	QPSK	135	69	23.26									
100	QPSK	135	138	23.21		25.0	0.0						
100	QPSK	270	0	23.24		25.0	0.0						
100	16QAM	1	1	23.11									
100	64QAM	1	1	23.09									
100	256QAM	1	1	23.03		25.0	0.0						
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)					
Frequency (MHz)				3745.02	3750	3755.01							
90	QPSK	1	123	23.04	23.03	23.03		25.0					
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)					
Frequency (MHz)				3740.01	3750	3760.02							
80	QPSK	1	109	23.06	23.01	23.05		25.0					
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)					
Frequency (MHz)				3735.02	3750	3770.01							
60	QPSK	1	81	23.04	23.00	23.01		25.0					
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)					
Frequency (MHz)				3730.01	3750	3775.02							
50	QPSK	1	67	23.05	23.01	23.09		25.0					
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)					
Frequency (MHz)				3725.00	3750	3780.00							
40	QPSK	1	53	23.09	23.02	23.04		25.0					
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)					
Frequency (MHz)				3717.01	3750	3785.02							
20	QPSK	1	26	23.01	23.03	23.04		25.0					
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)					
Frequency (MHz)				3707.52	3750	3792.51							
15	QPSK	1	19	23.01	23.01	23.08		25.0					
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)					
Frequency (MHz)				3705.00	3750	3795.00							
10	QPSK	1	12	23.03	23.05	23.05		25.0					

Part27Q 78 Ant2 DSI3/Default DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				633334			25.0	0.0	
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		23.03		25.0	0.0	
100	PI/2 BPSK	1	137		23.27				
100	PI/2 BPSK	1	271		23.26		25.0	0.0	
100	PI/2 BPSK	135	0		23.18				
100	PI/2 BPSK	135	69		23.12		25.0	0.0	
100	PI/2 BPSK	135	138		23.08				
100	PI/2 BPSK	270	0		23.01		25.0	0.0	
100	QPSK	1	1		23.06				
100	QPSK	1	137		23.30		25.0	0.0	
100	QPSK	1	271		23.27				
100	QPSK	135	0		23.13		25.0	0.0	
100	QPSK	135	69		23.17				
100	QPSK	135	138		23.08		25.0	0.0	
100	QPSK	270	0		23.19				
100	16QAM	1	1		23.06		25.0	0.0	
100	64QAM	1	1		23.16				
100	256QAM	1	1		23.09		25.0	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	123		23.16	23.17	23.22	25.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109		23.26	23.23	23.24	25.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	81		23.17	23.16	23.26	25.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67		23.24	23.16	23.17	25.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53		23.23	23.18	23.15	25.0	0.0
Channel				630968	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26		23.20	23.16	23.18	25.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3451.5	3500.01	3542.52			
15	QPSK	1	19		23.20	23.22	23.19	25.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	12		23.19	23.22	23.15	25.0	0.0



Par270 n77 PC3 Ant3 DS13/Default DFT-30									
BW [MHz]	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)				3760	3840	3920			
100	Pl2 BPSK	1	1	22.59	22.66	22.52			
100	Pl2 BPSK	1	137	23.56	23.67	23.55	24.5	0.0	
100	Pl2 BPSK	1	271	22.69	22.76	22.72			
100	Pl2 BPSK	136	0	23.48	23.54	23.48	24.5	0.0	
100	Pl2 BPSK	136	69	23.57	23.66	23.56	24.5	0.0	
100	Pl2 BPSK	136	138	23.41	23.46	23.34	24.5	0.0	
100	Pl2 BPSK	270	0	23.39	23.48	23.39	24.5		
100	QPSK	1	1	22.58	22.70	22.64			
100	QPSK	1	137	23.56	23.72	23.61	24.5	0.0	
100	QPSK	1	271	22.69	22.78	22.72			
100	QPSK	136	0	23.40	23.53	23.47	24.5	0.0	
100	QPSK	136	69	23.62	23.70	23.63	24.5	0.0	
100	QPSK	136	138	23.52	23.46	23.35			
100	QPSK	270	0	23.41	23.53	23.42	24.5	0.0	
100	16QAM	1	1	22.44	22.53	22.39	23.5	1.0	
100	64QAM	1	1	22.41	22.44	22.40	23.5	1.0	
100	256QAM	1	1	21.41	21.55	21.42	22.0	2.5	
Channel									
Frequency (MHz)				648668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	123	23.57	23.63	23.52	24.5	0.0	
Channel									
Frequency (MHz)				3740.01	3840	3940.02	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	109	23.08	23.65	23.52	24.5	0.0	
Channel									
Frequency (MHz)				3730.02	3840	3960.01	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	81	23.53	23.62	23.54	24.5	0.0	
Channel									
Frequency (MHz)				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	67	23.58	23.63	23.62	24.5	0.0	
Channel									
Frequency (MHz)				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	53	23.52	23.62	23.57	24.5	0.0	
Channel									
Frequency (MHz)				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	26	23.53	23.67	23.54	24.5	0.0	
Channel									
Frequency (MHz)				647168	656000	664334	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	19	23.58	23.57	23.52	24.5	0.0	
Channel									
Frequency (MHz)				3705	3840	3975	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	12	23.56	23.61	23.58	24.5	0.0	

Par270 n77 PC2 Ant3 DS13/Default DFT-30									
BW [MHz]	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)				3760	3840	3920			
100	Pl2 BPSK	1	1	25.10	25.14	25.01			
100	Pl2 BPSK	1	137	25.70	25.81	25.68	27.0	0.0	
100	Pl2 BPSK	1	271	25.10	25.18	25.14			
100	Pl2 BPSK	136	0	25.56	25.59	25.54	27.0	0.0	
100	Pl2 BPSK	136	69	25.77	25.82	25.77	27.0	0.0	
100	Pl2 BPSK	136	138	25.50	25.61	25.50	27.0	0.0	
100	Pl2 BPSK	270	0	25.48	25.56	25.51			
100	QPSK	1	1	25.11	25.12	25.12			
100	QPSK	1	137	25.74	25.83	25.80	27.0	0.0	
100	QPSK	1	271	25.11	25.15	25.09			
100	QPSK	136	0	25.58	25.67	25.60	27.0	0.0	
100	QPSK	136	69	25.68	25.75	25.64	27.0	0.0	
100	QPSK	136	138	25.56	25.60	25.52	27.0	0.0	
100	QPSK	270	0	25.46	25.58	25.53			
100	16QAM	1	1	24.34	24.40	24.38	26.0	1.0	
100	64QAM	1	1	22.96	22.95	22.94	24.5	2.5	
100	256QAM	1	1	21.72	21.80	21.78	23.0	4.0	
Channel									
Frequency (MHz)				648668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	123	25.53	25.59	25.43	27.0	0.0	
Channel									
Frequency (MHz)				643334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	109	25.42	25.63	25.47	27.0	0.0	
Channel									
Frequency (MHz)				3730.02	3840	3960.01	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	81	25.49	25.04	25.39	27.0	0.0	
Channel									
Frequency (MHz)				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	67	25.43	25.55	25.43	27.0	0.0	
Channel									
Frequency (MHz)				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	53	25.41	25.58	25.47	27.0	0.0	
Channel									
Frequency (MHz)				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	26	25.44	25.53	25.40	27.0	0.0	
Channel									
Frequency (MHz)				3707.52	3840	3972.51	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	19	25.52	25.54	25.38	27.0	0.0	
Channel									
Frequency (MHz)				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	12	25.43	25.58	25.43	27.0	0.0	

Part27Q n77 PC3 Ant3 DS13/Default DFT-30									
BW [MHz]	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)				3760.01	383334				
100	Pl2 BPSK	1	1	22.53					
100	Pl2 BPSK	1	137	23.38			24.5	0.0	
100	Pl2 BPSK	1	271	22.58					
100	Pl2 BPSK	136	0	23.34			24.5	0.0	
100	Pl2 BPSK	136	69	23.34			24.5	0.0	
100	Pl2 BPSK	136	138	23.19			24.5	0.0	
100	Pl2 BPSK	270	0	23.29					
100	QPSK	1	1	22.58					
100	QPSK	1	137	23.48			24.5	0.0	
100	QPSK	1	271	22.57					
100	QPSK	136	0	23.28			24.5	0.0	
100	QPSK	136	69	23.43			24.5	0.0	
100	QPSK	136	138	23.29			24.5	0.0	
100	QPSK	270	0	23.21					
100	16QAM	1	1	22.50			23.5	1.0	
100	64QAM	1	1	22.43			23.5	1.0	
100	256QAM	1	1	21.58			22.0	2.5	
Channel									
Frequency (MHz)				638000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	123	23.37	23.33	23.41	24.5	0.0	
Channel									
Frequency (MHz)				6380.02	633334	633000	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	109	23.36	23.39	23.36	24.5	0.0	
Channel									
Frequency (MHz)				6380	633334	6320.02	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	81	23.37	23.33	23.32	24.5	0.0	
Channel									
Frequency (MHz)				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	67	23.32	23.31	23.31	24.5	0.0	
Channel									
Frequency (MHz)				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	53	23.19	23.40	23.37	24.5	0.0	
Channel									
Frequency (MHz)				636668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	26	23.36	23.01	23.40	24.5	0.0	
Channel									
Frequency (MHz)				3457.5	3500.01	3442.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	19	23.38	23.36	23.40	24.5	0.0	
Channel									
Frequency (MHz)				3455.5	3500.01	3445.51	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	12	23.31	23.32	23.36	24.5	0.0	



Part27Q n77 PC2 Ant3 DSI3/Default DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	25.12	633334	3900.01			
100	PI2 BPSK	1	137	25.47			27.0	0.0	
100	PI2 BPSK	1	271	25.13					
100	PI2 BPSK	135	0	25.26			27.0	0.0	
100	PI2 BPSK	135	69	25.16			27.0	0.0	
100	PI2 BPSK	135	138	25.27			27.0	0.0	
100	PI2 BPSK	270	0	25.33			27.0	0.0	
100	QPSK	1	1	25.10					
100	QPSK	1	137	25.63			27.0	0.0	
100	QPSK	1	271	25.21					
100	QPSK	135	0	25.41			27.0	0.0	
100	QPSK	135	69	25.51			27.0	0.0	
100	QPSK	135	138	25.33					
100	QPSK	270	0	25.24			27.0	0.0	
100	16QAM	1	1	24.34			26.0	1.0	
100	64QAM	1	1	22.90			24.5	2.5	
100	256QAM	1	1	21.72			23.0	4.0	
Channel									
				633000	633334	633668	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)									
90	QPSK	1	123	25.37	25.34	25.37	27.0	0.0	
Channel									
				632668	633334	634000	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)									
80	QPSK	1	109	25.33	25.28	25.33	27.0	0.0	
Channel									
				632000	633334	634668	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)									
60	QPSK	1	81	25.34	25.31	25.38	27.0	0.0	
Channel									
				631668	633334	635000	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)									
50	QPSK	1	67	25.32	25.30	25.32	27.0	0.0	
Channel									
				631334	633334	635668	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)									
40	QPSK	1	53	25.27	25.33	25.31	27.0	0.0	
Channel									
				630668	633334	636000	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)									
20	QPSK	1	26	25.37	25.30	25.37	27.0	0.0	
Channel									
				630500	633334	636168	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)									
15	QPSK	1	19	25.36	25.34	25.28	27.0	0.0	
Channel									
				630334	633334	636334	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)									
10	QPSK	1	12	25.36	25.28	25.36	27.0	0.0	

Part270 n78 PC3 Ant3 DSI3/Default DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	3750	3750	3750			
100	PI2 BPSK	1	137	23.13					
100	PI2 BPSK	1	271	24.18			24.5	0.0	
100	PI2 BPSK	135	0	23.50					
100	PI2 BPSK	135	69	23.93			24.5	0.0	
100	PI2 BPSK	135	138	24.08			24.5	0.0	
100	PI2 BPSK	270	0	24.01			24.5	0.0	
100	QPSK	1	1	23.18					
100	QPSK	1	137	24.25			24.5	0.0	
100	QPSK	1	271	23.50					
100	QPSK	135	0	23.94			24.5	0.0	
100	QPSK	135	69	24.16			24.5	0.0	
100	QPSK	135	138	24.10			24.5	0.0	
100	QPSK	270	0	24.02			24.5	0.0	
100	16QAM	1	1	22.96			23.5	1.0	
100	64QAM	1	1	22.93			23.5	1.0	
100	256QAM	1	1	21.94			22.0	2.5	
Channel									
				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
90	QPSK	1	123	3745.02	3750	3755.01	(dBm)	(dB)	
Channel									
				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
80	QPSK	1	109	3740.01	3750	3760.02	(dBm)	(dB)	
Channel									
				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
60	QPSK	1	81	24.06	24.08	24.11	24.5	0.0	
Channel									
				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
50	QPSK	1	67	24.13	24.09	24.13	24.5	0.0	
Channel									
				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
40	QPSK	1	53	3720	3750	3780	(dBm)	(dB)	
Channel									
				647668	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
20	QPSK	1	26	3710.01	3750	3790.02	(dBm)	(dB)	
Channel									
				647334	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	19	3707.52	3750	3792.51	(dBm)	(dB)	
Channel									
				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	12	24.05	24.06	24.13	24.5	0.0	

Part270 n78 PC2 Ant3 DSI3/Default DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (db)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	3750	3750	3750			
100	PI2 BPSK	1	1	26.02					
100	PI2 BPSK	1	271	25.11			27.0	0.0	
100	PI2 BPSK	135	0	25.55					
100	PI2 BPSK	135	69	25.88			27.0	0.0	
100	PI2 BPSK	135	138	26.15			27.0	0.0	
100	PI2 BPSK	270	0	26.03			27.0	0.0	
100	QPSK	1	1	26.06					
100	QPSK	1	137	25.13			27.0	0.0	
100	QPSK	1	271	26.15					
100	QPSK	135	0	25.97			27.0	0.0	
100	QPSK	135	69	26.07			27.0	0.0	
100	QPSK	135	138	26.06					
100	QPSK	270	0	26.03			27.0	0.0	
100	16QAM	1	1	25.14			26.0	1.0	
100	64QAM	1	1	23.66			24.5	2.5	
100	256QAM	1	1	22.19			23.0	4.0	
Channel									
				649999	650000	650334	Tune-up limit (dBm)		MPR (db)
90	QPSK	1	123	3745.02	3750	3755.01			
Channel									
				649334	650000	650668	Tune-up limit (dBm)		MPR (db)
80	QPSK	1	109	3740.01	3750	3760.02			
Channel									
				648668	650000	651334	Tune-up limit (dBm)		MPR (db)
60	QPSK	1	81	26.07	26.02	26.02	27.0	0.0	
Channel									
				648334	650000	651668	Tune-up limit (dBm)		MPR (db)
50	QPSK	1	67	26.02	26.04	26.12	27.0	0.0	
Channel									
				648000	650000	652000	Tune-up limit (dBm)		MPR (db)
40	QPSK	1	53	3720	3750	3780			
Channel									
				647668	650000	652668	Tune-up limit (dBm)		MPR (db)
20	QPSK	1	26	26.02	26.08	26.08	27.0	0.0	
Channel									
				3707.59	3750	3792.51	Tune-up limit (dBm)		MPR (db)
15	QPSK	1	19	26.06	26.07	26.09	27.0	0.0	
Channel									
				647005	650000	653000	Tune-up limit (dBm)		MPR (db)
10	QPSK	1	12	26.01	26.08	26.01	27.0	0.0	

Part27Q 78 PC3 Ant3 DSI3/Default DFT-30									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				63354	63354				
Frequency (MHz)				350.01					
100	Pl2 BPSK	1	1	23.11					
100	Pl2 BPSK	1	137	24.14			24.5	0.0	
100	Pl2 BPSK	1	271	23.56					
100	Pl2 BPSK	135	0	23.98			24.5	0.0	
100	Pl2 BPSK	135	69	24.08					
100	Pl2 BPSK	135	138	24.03			24.5	0.0	
100	Pl2 BPSK	270	0	23.97					
100	QPSK	1	1	23.16			24.5	0.0	
100	QPSK	1	137	24.04					
100	QPSK	1	271	23.58					
100	QPSK	135	0	24.07			24.5	0.0	
100	QPSK	135	69	24.16					
100	QPSK	135	138	24.05					
100	QPSK	270	0	24.08			24.5	0.0	
100	16QAM	1	1	23.21			23.5	1.0	
100	64QAM	1	1	23.14			23.5	1.0	
100	256QAM	1	1	21.91			22.0	2.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	123	24.17	24.13	24.12	24.5	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109	24.18	24.20	24.14	24.5	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	81	24.15	24.13	24.19	24.5	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3473.01	3500.01	3526.01			
50	QPSK	1	67	24.11	24.14	24.16	24.5	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53	24.12	24.22	24.17	24.5	0.0	
Channel				630968	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26	24.23	24.18	24.12	24.5	0.0	
Channel				630500	633334	636568	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	19	24.18	24.17	24.22	24.5	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	12	24.13	24.19	24.17	24.5	0.0	

Part27Q 78 PC2 Ant3 DSI3/Default DFT-30									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				63354	63354				
Frequency (MHz)				350.01					
100	Pl2 BPSK	1	1	23.10					
100	Pl2 BPSK	1	137	26.16			27.0	0.0	
100	Pl2 BPSK	1	271	25.62					
100	Pl2 BPSK	135	0	25.97			27.0	0.0	
100	Pl2 BPSK	135	69	26.15			27.0	0.0	
100	Pl2 BPSK	135	138	26.03			27.0	0.0	
100	Pl2 BPSK	270	0	26.13					
100	QPSK	1	1	25.23			27.0	0.0	
100	QPSK	1	137	26.03					
100	QPSK	1	271	25.58					
100	QPSK	135	0	26.12			27.0	0.0	
100	QPSK	135	69	26.17			27.0	0.0	
100	QPSK	135	138	26.09			27.0	0.0	
100	QPSK	270	0	26.15					
100	16QAM	1	1	25.23			26.0	1.0	
100	64QAM	1	1	24.81			24.5	2.5	
100	256QAM	1	1	22.31			23.0	4.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	123	25.11	23.16	23.18	27.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109	25.16	25.15	25.14	27.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	81	25.14	25.20	25.20	27.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525.02			
50	QPSK	1	67	25.18	25.10	25.18	27.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3473.01	3500.01	3526.01			
40	QPSK	1	53	25.12	25.20	25.12	27.0	0.0	
Channel				630968	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26	25.19	25.15	25.12	27.0	0.0	
Channel				630500	633334	636568	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	19	25.15	25.09	25.16	27.0	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	12	25.15	25.17	25.12	27.0	0.0	



n5 Ant4 DSI3/Default DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166300	167300	167600	25.5	0.0	
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	24.43	24.48	24.37			
20	PI2 BPSK	1	26	24.56	24.64	24.59			
20	PI2 BPSK	1	49	24.44	24.52	24.45	25.0	0.5	
20	PI2 BPSK	25	0	24.01	24.15	24.04	25.0	0.5	
20	PI2 BPSK	25	13	24.58	24.66	24.54	25.5	0.0	
20	PI2 BPSK	25	26	24.03	24.15	24.03	25.0	0.5	
20	PI2 BPSK	50	0	24.09	24.20	24.13			
20	QPSK	1	1	24.63	24.69	24.57	25.5	0.0	
20	QPSK	1	26	24.52	24.59	24.48			
20	QPSK	1	49	24.40	24.46	24.35			
20	QPSK	25	0	23.56	23.63	23.55	24.5	1.0	
20	QPSK	25	13	24.43	24.55	24.44	25.5	0.0	
20	QPSK	25	26	23.56	23.62	23.53	24.5	1.0	
20	QPSK	50	0	23.53	23.66	23.61			
20	16QAM	1	1	23.16	23.24	23.16	24.5	1.0	
20	64QAM	1	1	21.66	21.79	21.65	23.0	2.5	
20	256QAM	1	1	20.28	20.33	20.24	21.0	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5	25.5	0.0	
15	QPSK	1	1	24.50	24.63	24.51			
Channel				165200	167200	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844	25.5	0.0	
10	QPSK	1	1	24.52	24.55	24.46			

n7 Ant4 DSI3/Default DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000	25.5	0.0	
Frequency (MHz)				2510	2535	2560			
20	PI2 BPSK	1	1	24.18	24.31	24.25			
20	PI2 BPSK	1	26	24.42	24.49	24.37			
20	PI2 BPSK	1	49	24.24	24.38	24.24	25.0	0.5	
20	PI2 BPSK	25	0	24.01	24.14	24.03	25.0	0.5	
20	PI2 BPSK	25	13	24.16	24.26	24.18	25.5	0.0	
20	PI2 BPSK	25	26	23.88	23.98	23.91	25.0	0.5	
20	PI2 BPSK	50	0	23.93	24.06	23.95			
20	QPSK	1	1	24.44	24.57	24.50	25.5	0.0	
20	QPSK	1	26	24.31	24.43	24.38			
20	QPSK	1	49	24.20	24.31	24.23			
20	QPSK	25	0	23.51	23.59	23.53	24.5	1.0	
20	QPSK	25	13	24.44	24.53	24.45	25.5	0.0	
20	QPSK	25	26	23.43	23.48	23.39	24.5	1.0	
20	QPSK	50	0	23.45	23.55	23.41			
20	16QAM	1	1	22.98	23.03	22.94	24.5	1.0	
20	64QAM	1	1	21.46	21.56	21.47	23.0	2.5	
20	256QAM	1	1	20.08	20.23	20.15	21.0	4.5	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	25.5	0.0	
15	QPSK	1	1	24.29	24.47	24.40			
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	25.5	0.0	
10	QPSK	1	1	24.38	24.50	24.38			

n66 Ant4 DSI3/Default DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	350000	25.0	0.0	
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	23.78	23.91	23.87			
40	PI2 BPSK	1	53	23.81	23.86	23.74			
40	PI2 BPSK	1	104	23.75	23.82	23.78	24.5	0.5	
40	PI2 BPSK	50	0	23.22	23.36	23.25	24.5	0.5	
40	PI2 BPSK	50	26	23.79	23.84	23.80	25.0	0.0	
40	PI2 BPSK	50	56	23.23	23.37	23.26	24.5	0.5	
40	PI2 BPSK	100	0	23.22	23.33	23.26			
40	QPSK	1	1	23.88	23.95	23.85	25.0	0.0	
40	QPSK	1	53	23.75	23.85	23.71			
40	QPSK	1	104	23.83	23.89	23.77			
40	QPSK	50	0	22.92	23.03	22.97	24.0	1.0	
40	QPSK	50	26	23.78	23.83	23.69	25.0	0.0	
40	QPSK	50	56	22.87	22.97	22.83	24.0	1.0	
40	QPSK	100	0	22.96	23.06	22.92			
40	16QAM	1	1	22.39	22.52	22.46	24.0	1.0	
40	64QAM	1	1	21.19	21.25	21.22	22.5	2.5	
40	256QAM	1	1	19.29	19.42	19.30	20.5	4.5	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770	25.0	0.0	
20	QPSK	1	1	23.79	23.90	23.73			
Channel				343000	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	25.0	0.0	
15	QPSK	1	1	23.81	23.91	23.77			
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	25.0	0.0	
10	QPSK	1	1	23.76	23.86	23.66			



n38 Ant4 DS13/Default DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	518000	518996			
Frequency (MHz)				2580.02	2585	2599.98			
40	PI2 BPSK	1	1	24.28	24.36	24.23			
40	PI2 BPSK	1	53	24.46	24.51	24.37		25.5	0.0
40	PI2 BPSK	1	104	24.34	24.43	24.34		25.0	0.5
40	PI2 BPSK	50	0	23.97	24.03	23.95		25.0	0.5
40	PI2 BPSK	50	28	24.50	24.57	24.43		25.5	0.0
40	PI2 BPSK	50	56	23.88	23.99	23.84		25.0	0.5
40	PI2 BPSK	100	0	23.89	24.06	23.95		25.0	0.5
40	QPSK	1	1	24.54	24.72	24.50			
40	QPSK	1	53	24.35	24.70	24.40		25.5	0.0
40	QPSK	1	104	24.18	24.33	24.23			
40	QPSK	50	0	23.44	23.55	23.42		24.5	1.0
40	QPSK	50	28	24.27	24.41	24.29		25.5	0.0
40	QPSK	50	56	23.42	23.53	23.45		24.5	1.0
40	QPSK	100	0	23.48	23.57	23.51			
40	16QAM	1	1	23.12	23.19	23.09		24.5	1.0
40	64QAM	1	1	21.59	21.70	21.55		23.0	2.5
40	256QAM	1	1	20.26	20.37	20.27		21.0	4.5
Channel				518000	518000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2585	2610			
20	QPSK	1	1	24.54	24.39	24.36		24.5	0.0
Channel				518000	518000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2585	2612.49			
15	QPSK	1	1	24.34	24.59	24.17		25.5	0.0
Channel				518004	518000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2583.02	2585	2614.08			
10	QPSK	1	1	24.14	24.69	24.35		25.5	0.0

n41 PC3 Ant4 DS13/Default DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				508002	518598	528000			
Frequency (MHz)				2548.01	2592.99	2640			
100	PI2 BPSK	1	1	23.16	23.09	23.01			
100	PI2 BPSK	1	137	24.13	24.27	24.17		24.5	0.0
100	PI2 BPSK	1	271	23.23	23.28	23.23			
100	PI2 BPSK	135	0	23.94	24.05	23.94		24.5	0.0
100	PI2 BPSK	135	69	24.08	24.23	24.11		24.5	0.0
100	PI2 BPSK	135	138	23.90	24.02	23.93		24.5	0.0
100	PI2 BPSK	270	0	23.91	24.04	23.95			
100	QPSK	1	1	23.20	23.24	23.17			
100	QPSK	1	137	24.33	24.38	24.32		24.5	0.0
100	QPSK	1	271	23.27	23.33	23.25			
100	QPSK	135	0	23.90	24.04	23.98		24.5	0.0
100	QPSK	135	69	24.16	24.27	24.18		24.5	0.0
100	QPSK	135	138	23.98	24.02	23.99		24.5	0.0
100	QPSK	270	0	23.98	24.06	23.98			
100	16QAM	1	1	22.90	23.02	22.98		23.5	1.0
100	64QAM	1	1	22.89	22.93	22.85		23.5	1.0
100	256QAM	1	1	21.95	21.98	21.92		22.0	2.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	123	23.16	23.18	23.11		24.5	0.0
Channel				508204	518598	529596	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	109	23.10	23.13	23.06		24.5	0.0
Channel				508200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536	2592.99	2659.99			
60	QPSK	1	81	23.11	23.19	23.02		24.5	0.0
Channel				504204	518598	532996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	23.13	23.17	23.13		24.5	0.0
Channel				504204	518598	532996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	23.11	23.17	23.03		24.5	0.0
Channel				501204	518598	535996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.02	2592.99	2679.99			
20	QPSK	1	26	23.14	23.12	23.12		24.5	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	19	23.14	23.16	23.10		24.5	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2688			
10	QPSK	1	12	23.15	23.14	23.12		24.5	0.0

n41 PC2 Ant4 DS13/Default DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				508002	518598	528000			
Frequency (MHz)				2548.01	2592.99	2640			
100	PI2 BPSK	1	1	25.34	25.43	25.32			
100	PI2 BPSK	1	137	25.86	25.99	25.89		27.0	0.0
100	PI2 BPSK	1	271	25.35	25.48	25.43			
100	PI2 BPSK	135	0	25.85	25.93	25.86		27.0	0.0
100	PI2 BPSK	135	69	25.85	25.97	25.85		27.0	0.0
100	PI2 BPSK	135	138	25.85	25.91	25.78		27.0	0.0
100	PI2 BPSK	270	0	25.77	25.88	25.76			
100	QPSK	1	1	25.41	25.55	25.48			
100	QPSK	1	137	25.94	26.08	25.88		27.0	0.0
100	QPSK	1	271	25.40	25.51	25.47			
100	QPSK	135	0	25.89	25.93	25.84		27.0	0.0
100	QPSK	135	69	25.94	26.01	25.89		27.0	0.0
100	QPSK	135	138	25.93	25.88	25.73		27.0	0.0
100	QPSK	270	0	25.93	25.97	25.90			
100	16QAM	1	1	24.87	24.85	24.88		26.0	1.0
100	64QAM	1	1	23.44	23.50	23.47		24.5	2.5
100	256QAM	1	1	21.99	22.07	21.94		23.0	4.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	123	25.33	25.41	25.42		27.0	0.0
Channel				508204	518598	529596	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	109	25.34	25.52	25.43		27.0	0.0
Channel				508200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536	2592.99	2659.99			
60	QPSK	1	81	25.35	25.43	25.30		27.0	0.0
Channel				504204	518598	532996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	25.31	25.52	25.40		27.0	0.0
Channel				504204	518598	532996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	25.30	25.44	25.41		27.0	0.0
Channel				501204	518598	535996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.02	2592.99	2679.99			
20	QPSK	1	26	25.34	25.51	25.40		27.0	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	19	25.31	25.47	25.41		27.0	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2688			
10	QPSK	1	12	25.33	25.44	25.35		27.0	0.0



Par270 n77 Ant5 DS13 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	P12 BPSK	1	1	15.56	15.67	15.53	17.5	0.0	
100	P12 BPSK	1	137	15.56	15.70	15.54			
100	P12 BPSK	1	271	15.52	15.68	15.51			
100	P12 BPSK	135	0	15.56	15.70	15.52	17.5	0.0	
100	P12 BPSK	135	69	15.55	15.69	15.52			
100	P12 BPSK	135	138	15.55	15.69	15.51			
100	P12 BPSK	270	0	15.54	15.65	15.53	17.5	0.0	
100	QPSK	1	1	15.54	15.65	15.53			
100	QPSK	1	137	15.62	15.71	15.59			
100	QPSK	1	271	15.55	15.67	15.54	17.5	0.0	
100	QPSK	135	0	15.56	15.66	15.52			
100	QPSK	135	69	15.55	15.68	15.53			
100	QPSK	135	138	15.55	15.60	15.57	17.5	0.0	
100	QPSK	270	0	15.56	15.57	15.55			
100	16QAM	1	1	15.57	15.66	15.56		17.5	
100	64QAM	1	1	15.54	15.68	15.51			
100	256QAM	1	1	15.54	15.66	15.51			
Channel				648668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01	(dB)		
90	QPSK	1	123	15.52	15.60	15.55	17.5	0.0	
Channel				643334	650000	652005	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02	(dB)		
80	QPSK	1	109	15.57	15.61	15.61	17.5	0.0	
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.02	3840	3950.01	(dB)		
60	QPSK	1	81	15.53	15.56	15.61	17.5	0.0	
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02	(dB)		
50	QPSK	1	67	15.54	15.61	15.60	17.5	0.0	
Channel				643000	650000	655000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	(dB)		
40	QPSK	1	53	15.55	15.63	15.57	17.5	0.0	
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02	(dB)		
20	QPSK	1	26	15.57	15.60	15.60	17.5	0.0	
Channel				647168	650000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51	(dB)		
15	QPSK	1	19	15.54	15.59	15.58	17.5	0.0	
Channel				643000	650000	655000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975	(dB)		
10	QPSK	1	12	15.54	15.63	15.60	17.5	0.0	

Part27Q n77 Ant5 DS13 DFT-30												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				633334								
Frequency (MHz)				3500.01								
100	P12 BPSK	1	1	15.66			17.5	0.0				
100	P12 BPSK	1	137	15.68								
100	P12 BPSK	1	271	15.67								
100	P12 BPSK	135	0	15.69			17.5	0.0				
100	P12 BPSK	135	69	15.69								
100	P12 BPSK	135	138	15.67								
100	P12 BPSK	270	0	15.63			17.5	0.0				
100	QPSK	1	1	15.67								
100	QPSK	1	137	15.75								
100	QPSK	1	271	15.65			17.5	0.0				
100	QPSK	135	0	15.64								
100	QPSK	135	69	15.66								
100	QPSK	135	138	15.65			17.5	0.0				
100	QPSK	270	0	15.63								
100	16QAM	1	1	15.63				17.5				
100	64QAM	1	1	15.68								
100	256QAM	1	1	15.65								
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3495	3500.01	3505.02	(dB)					
90	QPSK	1	123	15.56	15.63	15.56	17.5	0.0				
Channel				632668	633334	633900	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3490.02	3500.01	3510	(dB)					
80	QPSK	1	109	15.56	15.63	15.61	17.5	0.0				
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3480	3500.01	3520.02	(dB)					
60	QPSK	1	81	15.54	15.59	15.59	17.5	0.0				
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3475.02	3500.01	3525	(dB)					
50	QPSK	1	67	15.54	15.62	15.56	17.5	0.0				
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3470.01	3500.01	3530.01	(dB)					
40	QPSK	1	53	15.54	15.59	15.61	17.5	0.0				
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3460.02	3500.01	3540	(dB)					
20	QPSK	1	26	15.56	15.58	15.60	17.5	0.0				
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3457.5	3500.01	3542.52	(dB)					
15	QPSK	1	19	15.57	15.58	15.59	17.5	0.0				
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3455.01	3500.01	3545.01	(dB)					
10	QPSK	1	12	15.58	15.61	15.59	17.5	0.0				

Part27O n78 Ant5 DS13 DFT-30										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				650000	650000	650000				
Frequency (MHz)				3750	3750	3750				
100	P12 BPSK	1	1	15.58			17.5	0.0		
100	P12 BPSK	1	137	15.59						
100	P12 BPSK	1	271	15.60						
100	P12 BPSK	135	0	15.60			17.5	0.0		
100	P12 BPSK	135	69	15.59						
100	P12 BPSK	135	138	15.57						
100	P12 BPSK	270	0	15.55			17.5	0.0		
100	QPSK	1	1	15.58						
100	QPSK	1	137	15.67						
100	QPSK	1	271	15.57			17.5	0.0		
100	QPSK	135	0	15.55						
100	QPSK	135	69	15.58						
100	QPSK	135	138	15.56			17.5	0.0		
100	QPSK	270	0	15.52						
100	16QAM	1	1	15.54				17.5		
100	64QAM	1	1	15.57						
100	256QAM	1	1	15.56						
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3745.02	3750	3755.01	(dB)			
90	QPSK	1	123	15.54	15.59	15.59	17.5	0.0		
Channel				649334	650000	650558	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3740.01 <td>3750</td> <td>3760.02</td> <td>(dB)</td> <td data-cs="2" data-kind="parent"></td> <td data-kind="ghost"></td>	3750	3760.02	(dB)			
80	QPSK	1	109	15.56	15.59	15.56	17.5	0.0		
Channel				648668	650000	650668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3735.02 <td>3750</td> <td>3765.02</td> <td>(dB)</td> <td data-cs="2" data-kind="parent"></td> <td data-kind="ghost"></td>	3750	3765.02	(dB)			
60	QPSK	1	81	15.53	15.59	15.59	17.5	0.0		
Channel				648334	650000	650668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3725.01 <td>3750</td> <td>3775.02</td> <td>(dB)</td> <td data-cs="2" data-kind="parent"></td> <td data-kind="ghost"></td>	3750	3775.02	(dB)			
50	QPSK	1	67	15.53	15.60	15.59	17.5	0.0		
Channel				648000	650000	650900	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3720 <td>3750</td> <td>3780</td> <td>(dB)</td> <td data-cs="2" data-kind="parent"></td> <td data-kind="ghost"></td>	3750	3780	(dB)			
40	QPSK	1	53	15.52	15.61	15.58	17.5	0.0		
Channel				647334	650000	650968	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3715.01 <td>3750</td> <td>3795.02</td> <td>(dB)</td> <td data-cs="2" data-kind="parent"></td> <td data-kind="ghost"></td>	3750	3795.02	(dB)			
20	QPSK	1	26	15.53	15.59	15.59	17.5	0.0		
Channel				647168	650000	650834	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3707.52 <td>3750</td> <td>3792.51</td> <td>(dB)</td> <td data-cs="2" data-kind="parent"></td> <td data-kind="ghost"></td>	3750	3792.51	(dB)			
15	QPSK	1	19	15.57	15.57	15.66	17.5	0.0		
Channel				647000	650000	650700	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3705 <td>3750</td> <td>3795</td> <td>(dBm)</td> <td data-cs="2" data-kind="parent"></td> <td data-kind="ghost"></td>	3750	3795	(dBm)			
10	QPSK	1	12	15.52	15.57	15.60	17.5	0.0		

Part27Q 78 Ant5 DS3 DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				633334			17.5	0.0
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1	15.58			17.5	0.0
100	PI2 BPSK	1	137	15.81				
100	PI2 BPSK	1	271	15.60				
100	PI2 BPSK	135	0	15.58				
100	PI2 BPSK	135	69	15.58			17.5	0.0
100	PI2 BPSK	135	138	15.58				
100	PI2 BPSK	270	0	15.54				
100	QPSK	1	1	15.57				
100	QPSK	1	137	15.59			17.5	0.0
100	QPSK	1	271	15.55				
100	QPSK	135	0	15.55				
100	QPSK	135	69	15.56				
100	QPSK	135	138	15.54			17.5	0.0
100	QPSK	270	0	15.50				
100	16QAM	1	1	15.54				
100	64QAM	1	1	15.58				
100	256QAM	1	1	15.58			17.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	123	15.54	15.58	15.59	17.5	0.0
Channel				632505	633115	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	109	15.54	15.61	15.58	17.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	15.58	15.60	15.59	17.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	15.57	15.63	15.60	17.5	0.0
Channel				631334	633114	633334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	15.57	15.58	15.56	17.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	28	15.59	15.62	15.57	17.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	15.53	15.61	15.57	17.5	0.0
Channel				630334	633114	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	15.57	15.57	15.59	17.5	0.0



Par27O n77 Ant6 DS13 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	P12 BPSK	1	1	16.52	16.61	16.55	18.5	0.0	
100	P12 BPSK	1	137	16.55	16.62	16.56			
100	P12 BPSK	1	271	16.54	16.61	16.57			
100	P12 BPSK	135	0	16.54	16.61	16.56			
100	P12 BPSK	135	69	16.54	16.59	16.58	18.5	0.0	
100	P12 BPSK	135	138	16.55	16.57	16.54	18.5	0.0	
100	P12 BPSK	270	0	16.51	16.63	16.55	18.5	0.0	
100	QPSK	1	1	16.52	16.60	16.55			
100	QPSK	1	137	16.56	16.65	16.60			
100	QPSK	1	271	16.53	16.61	16.52			
100	QPSK	135	0	16.56	16.60	16.56	17.5	1.0	
100	QPSK	135	69	16.56	16.61	16.52	18.5	0.0	
100	QPSK	135	138	16.55	16.57	16.56	17.5	1.0	
100	QPSK	270	0	16.54	16.55	16.57	18.5	0.0	
100	16QAM	1	1	16.53	16.62	16.58			
100	64QAM	1	1	16.55	16.62	16.53			
100	256QAM	1	1	16.54	16.59	16.53			
Channel				3745.02	3840	3935.01			
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	123	16.51	16.61	16.55	18.5	0.0	
Channel				649334	650000	650666			
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	109	16.51	16.59	16.54	18.5	0.0	
Channel				648968	650000	651334			
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	81	16.52	16.58	16.52	18.5	0.0	
Channel				648334	650000	651668			
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	67	16.52	16.59	16.55	18.5	0.0	
Channel				648000	650000	654000			
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	53	16.53	16.59	16.52	18.5	0.0	
Channel				647234	650000	654668			
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	26	16.54	16.59	16.54	18.5	0.0	
Channel				647168	650000	654834			
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	19	16.52	16.56	16.52	18.5	0.0	
Channel				647000	650000	655000			
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	12	16.53	16.57	16.54	18.5	0.0	

Part27Q n77 Ant6 DS13 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334	633334	633334			
Frequency (MHz)				3500.01					
100	P12 BPSK	1	1		16.66	16.55	18.5	0.0	
100	P12 BPSK	1	137		16.67	16.67			
100	P12 BPSK	1	271		16.59	16.67			
100	P12 BPSK	135	0		16.67	16.55			
100	P12 BPSK	135	69		16.63	16.53	18.5	0.0	
100	P12 BPSK	135	138		16.61	16.54	18.5	0.0	
100	P12 BPSK	270	0		16.68	16.68	18.5	0.0	
100	QPSK	1	1		16.66	16.66			
100	QPSK	1	137		16.70	16.60			
100	QPSK	1	271		16.68	16.68			
100	QPSK	135	0		16.65	16.65	17.5	1.0	
100	QPSK	135	69		16.68	16.68	18.5	0.0	
100	QPSK	135	138		16.64	16.64	17.5	1.0	
100	QPSK	270	0		16.68	16.68	18.5	0.0	
100	16QAM	1	1		16.68	16.68			
100	64QAM	1	1		16.64	16.64			
100	256QAM	1	1		16.65	16.65			
Channel				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	123		16.53	16.57	16.52	18.5	
Channel				632668	633334	634000			
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109		16.53	16.57	16.54	18.5	
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	81		16.52	16.57	16.51	18.5	
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67		16.51	16.58	16.52	18.5	
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53		16.52	16.56	16.54	18.5	
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26		16.51	16.59	16.52	18.5	
Channel				630500	633334	636168			
Frequency (MHz)				3457.52	3500.01	3542.52			
15	QPSK	1	19		16.53	16.56	16.55	18.5	
Channel				630334	633334	636334			
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	12		16.52	16.60	16.53	18.5	

Part27O n78 Ant6 DS13 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	P12 BPSK	1	1		16.59		18.5	0.0	
100	P12 BPSK	1	137		16.60				
100	P12 BPSK	1	271		16.58				
100	P12 BPSK	135	0		16.56				
100	P12 BPSK	135	69		16.53		18.5	0.0	
100	P12 BPSK	135	138		16.52		18.5	0.0	
100	P12 BPSK	270	0		16.59		18.5	0.0	
100	QPSK	1	1		16.57				
100	QPSK	1	137		16.61				
100	QPSK	1	271		16.58				
100	QPSK	135	0		16.54		17.5	1.0	
100	QPSK	135	69		16.55		18.5	0.0	
100	QPSK	135	138		16.51		17.5	1.0	
100	QPSK	270	0		16.53		18.5	0.0	
100	16QAM	1	1		16.60				
100	64QAM	1	1		16.60				
100	256QAM	1	1		16.57				
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	123		16.52	16.58	16.52	18.5	
Channel				648334	650000	650668			
Frequency (MHz)				3740.01	3750	3760.02	Tune-up limit	MPR	
80	QPSK	1	109		16.52	16.57	16.52	18.5	
Channel				648000	650000	651334			
Frequency (MHz)				3730.02	3750	3770.01	Tune-up limit	MPR	
60	QPSK	1	81		16.51	16.57	16.53	18.5	
Channel				648334	650000	651668			
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit	MPR	
50	QPSK	1	67		16.54	16.58	16.51	18.5	
Channel				648000	650000	650668			
Frequency (MHz)				3720	3750	3780	Tune-up limit	MPR	
40	QPSK	1	53		16.54	16.58	16.54	18.5	
Channel				647334	650000	650668			
Frequency (MHz)				3710.01	3750	3790.02	Tune-up limit	MPR	
20	QPSK	1	26		16.53	16.59	16.53	18.5	
Channel				647168	650000	650834			
Frequency (MHz)				3707.52	3750	3792.51	Tune-up limit	MPR	
15	QPSK	1	19		16.53	16.60	16.54	18.5	
Channel				647000	650000	650668			
Frequency (MHz)				3705	3750	3795	Tune-up limit	MPR	
10	QPSK	1	12		16.51	16.58	16.52	18.5	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334			18.5	0.0
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	16.61	16.61		18.5	0.0
100	PI/2 BPSK	1	137		16.60			
100	PI/2 BPSK	1	271		16.62		18.5	0.0
100	PI/2 BPSK	135	0		16.62			
100	PI/2 BPSK	135	69		16.58		18.5	0.0
100	PI/2 BPSK	135	138		16.59			
100	PI/2 BPSK	270	0		16.63		18.5	0.0
100	QPSK	1	1		16.63			
100	QPSK	1	137		16.64		18.5	0.0
100	QPSK	1	271		16.61			
100	QPSK	135	0		16.61		18.5	0.0
100	QPSK	135	69		16.63			
100	QPSK	135	138		16.59		18.5	0.0
100	QPSK	270	0		16.61			
100	16QAM	1	1		16.61		18.5	0.0
100	64QAM	1	1		16.59			
100	256QAM	1	1		16.63		18.5	0.0
Channel				633000	633334	633668		
Frequency (MHz)				3485	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	123	16.51	16.58	16.54	18.5	0.0
Channel				632668	633334	634000	18.5	0.0
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	109	16.53	16.56	16.54	18.5	0.0
Channel				632000	633334	634668	18.5	0.0
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	16.53	16.56	16.53	Tune-up limit (dBm)	MPR (dB)
Channel				631668	633334	635000	18.5	0.0
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	16.53	16.59	16.51	Tune-up limit (dBm)	MPR (dB)
Channel				631334	633334	635334	18.5	0.0
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	16.53	16.56	16.55	18.5	0.0
Channel				630668	633334	636000	18.5	0.0
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26	16.51	16.58	16.53	Tune-up limit (dBm)	MPR (dB)
Channel				630500	633334	636168	18.5	0.0
Frequency (MHz)				3457.5	3500.01	3572.52		
15	QPSK	1	19	16.51	16.59	16.53	18.5	0.0
Channel				630334	633334	636334	18.5	0.0
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	16.53	16.58	16.51	Tune-up limit (dBm)	MPR (dB)



n5 Ant1 DSI4 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166300	167300	167600	24.5	0.0	
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	23.59	23.71	23.57			
20	PI2 BPSK	1	26	23.57	23.64	23.55	24.5	0.0	
20	PI2 BPSK	1	49	23.49	23.57	23.47			
20	PI2 BPSK	25	0	23.30	23.41	23.32			
20	PI2 BPSK	25	13	23.45	23.51	23.51	24.5	0.0	
20	PI2 BPSK	25	26	23.46	23.61	23.54			
20	PI2 BPSK	50	0	23.46	23.57	23.41			
20	QPSK	1	1	23.66	23.74	23.63	24.5	0.0	
20	QPSK	1	26	23.61	23.72	23.63			
20	QPSK	1	49	23.59	23.65	23.48			
20	QPSK	25	0	23.27	23.37	23.23	24.5	0.0	
20	QPSK	25	13	23.51	23.63	23.55			
20	QPSK	25	26	23.48	23.50	23.46			
20	QPSK	50	0	23.51	23.58	23.51	24.5	0.0	
20	16QAM	1	1	23.05	23.09	23.08			
20	64QAM	1	1	21.62	21.71	21.59		23.0	
20	256QAM	1	1	20.17	20.27	20.19	21.0	3.5	
Channel				166300	167300	168300		Tune-up limit (dBm)	
Frequency (MHz)				831.5	836.5	841.5		MPR (dB)	
15	QPSK	1	1	23.51	23.67	23.53	24.5	0.0	
Channel				165200	167200	168200		Tune-up limit (dBm)	
Frequency (MHz)				829	836.5	844		MPR (dB)	
10	QPSK	1	1	23.57	23.59	23.59	24.5	0.0	

n7 Ant1 DSI4 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000	19.5	0.0	
Frequency (MHz)				2510	2535	2560			
20	PI2 BPSK	1	1	18.34	18.48	18.39			
20	PI2 BPSK	1	26	18.42	18.48	18.36	19.5	0.0	
20	PI2 BPSK	1	49	18.41	18.51	18.44			
20	PI2 BPSK	25	0	18.50	18.55	18.50			
20	PI2 BPSK	25	13	18.51	18.59	18.55	19.5	0.0	
20	PI2 BPSK	25	26	18.52	18.60	18.49			
20	PI2 BPSK	50	0	18.54	18.58	18.45			
20	QPSK	1	1	18.55	18.62	18.48	19.5	0.0	
20	QPSK	1	26	18.44	18.53	18.45			
20	QPSK	1	49	18.39	18.49	18.39			
20	QPSK	25	0	18.45	18.54	18.45	19.5	0.0	
20	QPSK	25	13	18.43	18.58	18.47			
20	QPSK	25	26	18.39	18.48	18.43			
20	QPSK	50	0	18.43	18.54	18.46	19.5	0.0	
20	16QAM	1	1	18.49	18.56	18.46			
20	64QAM	1	1	18.36	18.45	18.39		19.5	
20	256QAM	1	1	18.42	18.47	18.39	19.5	0.0	
Channel				501500	507000	512500		Tune-up limit (dBm)	
Frequency (MHz)				2507.5	2535	2562.5		MPR (dB)	
15	QPSK	1	1	18.45	18.58	18.33	19.5	0.0	
Channel				501000	507000	513000		Tune-up limit (dBm)	
Frequency (MHz)				2505	2535	2565		MPR (dB)	
10	QPSK	1	1	18.46	18.58	18.40	19.5	0.0	

n66 Ant1 DSI4 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000	20.5	0.0	
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	19.45	19.50	19.36			
40	PI2 BPSK	1	53	19.23	19.33	19.20	20.5	0.0	
40	PI2 BPSK	1	104	19.29	19.45	19.36			
40	PI2 BPSK	50	0	19.35	19.45	19.42			
40	PI2 BPSK	50	26	19.44	19.51	19.44	20.5	0.0	
40	PI2 BPSK	50	56	19.29	19.38	19.26			
40	PI2 BPSK	100	0	19.32	19.41	19.33			
40	QPSK	1	1	19.40	19.54	19.47	20.5	0.0	
40	QPSK	1	53	19.41	19.51	19.46			
40	QPSK	1	104	19.30	19.43	19.38			
40	QPSK	50	0	19.34	19.47	19.33	20.5	0.0	
40	QPSK	50	26	19.44	19.50	19.36			
40	QPSK	50	56	19.32	19.41	19.35			
40	QPSK	100	0	19.29	19.44	19.32	20.5	0.0	
40	16QAM	1	1	19.24	19.36	19.22			
40	64QAM	1	1	19.27	19.41	19.36		20.5	
40	256QAM	1	1	19.44	19.48	19.37	20.5	0.0	
Channel				344000	349000	354000		Tune-up limit (dBm)	
Frequency (MHz)				1726	1745	1770		MPR (dB)	
20	QPSK	1	1	19.26	19.41	19.43	20.5	0.0	
Channel				345000	349000	353000		Tune-up limit (dBm)	
Frequency (MHz)				1717.5	1745	1772.5		MPR (dB)	
15	QPSK	1	1	19.35	19.42	19.33	20.5	0.0	
Channel				343000	349000	355000		Tune-up limit (dBm)	
Frequency (MHz)				1716	1745	1774		MPR (dB)	
10	QPSK	1	1	19.27	19.46	19.43	20.5	0.0	

n38 Ant1 DSI4 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	16.65	16.71	16.66	18.0	0.0	
40	PI/2 BPSK	1	53	16.42	16.55	16.50			
40	PI/2 BPSK	1	104	16.56	16.65	16.53	18.0	0.0	
40	PI/2 BPSK	50	0	16.62	16.67	16.58			
40	PI/2 BPSK	50	28	16.62	16.70	16.59	18.0	0.0	
40	PI/2 BPSK	50	56	16.48	16.60	16.49			
40	PI/2 BPSK	100	0	16.66	16.71	16.68	18.0	0.0	
40	QPSK	1	1	16.76	16.90	16.84			
40	QPSK	1	53	16.50	16.89	16.50	18.0	0.0	
40	QPSK	1	104	16.64	16.77	16.66			
40	QPSK	50	0	16.59	16.72	16.57	18.0	0.0	
40	QPSK	50	28	16.68	16.81	16.74			
40	QPSK	50	56	16.68	16.79	16.70	18.0	0.0	
40	QPSK	100	0	16.73	16.83	16.77			
40	16QAM	1	1	16.69	16.79	16.76	18.0	0.0	
40	64QAM	1	1	16.75	16.84	16.70			
40	256QAM	1	1	16.63	16.78	16.68	18.0	0.0	
Channel				519000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	16.72	16.67	16.73	18.0	0.0	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	16.52	16.93	16.29	18.0	0.0	
Channel				515004	519000	522998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	16.42	16.64	16.29	18.0	0.0	

n41 PC2&3 Ant1 DSI4 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	18.38	18.44	18.28	19.5	0.0	
100	PI/2 BPSK	1	137	18.36	18.37	18.41			
100	PI/2 BPSK	1	271	18.37	18.34	18.37			
100	PI/2 BPSK	135	0	18.28	18.33	18.28	19.5	0.0	
100	PI/2 BPSK	135	69	18.25	18.36	18.26	19.5	0.0	
100	PI/2 BPSK	135	138	18.03	18.07	18.45	19.5	0.0	
100	PI/2 BPSK	270	0	18.12	18.10	18.07			
100	QPSK	1	1	18.38	18.39	18.31			
100	QPSK	1	137	18.31	18.49	18.39	19.5	0.0	
100	QPSK	1	271	18.31	18.42	18.40			
100	QPSK	135	0	18.09	18.08	18.01			
100	QPSK	135	69	18.28	18.36	18.25	19.5	0.0	
100	QPSK	135	138	18.08	18.11	18.26	19.5	0.0	
100	QPSK	270	0	18.09	18.17	18.07			
100	16QAM	1	1	18.16	18.23	18.34			
100	64QAM	1	1	18.24	18.41	18.43	19.5	0.0	
100	256QAM	1	1	18.12	18.27	18.32	19.5	0.0	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	123	18.29	18.37	18.25	19.5	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	109	18.37	18.43	18.27	19.5	0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	18.29	18.40	18.34	19.5	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	18.33	18.34	18.32	19.5	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	18.35	18.35	18.35	19.5	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	18.30	18.35	18.28	19.5	0.0	
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	19	18.39	18.43	18.34	19.5	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	12	18.36	18.37	18.26	19.5	0.0	



Par270 n77 Ant2 DSI4 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000	18.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	P12 BPSK	1	1	16.14	16.20	16.16	18.0	0.0	
100	P12 BPSK	1	137	16.16	16.22	16.16			
100	P12 BPSK	1	271	16.19	16.23	16.17			
100	P12 BPSK	135	0	16.13	16.21	16.15	18.0	0.0	
100	P12 BPSK	135	69	16.15	16.25	16.16	18.0	0.0	
100	P12 BPSK	135	138	16.16	16.23	16.16	18.0	0.0	
100	P12 BPSK	270	0	16.13	16.22	16.15			
100	QPSK	1	1	16.16	16.24	16.14			
100	QPSK	1	137	16.24	16.31	16.23	18.0	0.0	
100	QPSK	1	271	16.14	16.23	16.17	18.0	0.0	
100	QPSK	135	0	16.14	16.23	16.16			
100	QPSK	135	69	16.14	16.24	16.13			
100	QPSK	135	138	16.13	16.21	16.16	18.0	0.0	
100	QPSK	270	0	16.15	16.20	16.14			
100	16QAM	1	1	16.13	16.23	16.14	18.0	0.0	
100	64QAM	1	1	16.17	16.24	16.17	18.0	0.0	
100	256QAM	1	1	16.14	16.23	16.12	18.0	0.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01	18.0	0.0	
90	QPSK	1	123	16.14	16.20	16.17	18.0	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02	18.0	0.0	
80	QPSK	1	109	16.16	16.23	16.12	18.0	0.0	
Channel				648668	650000	653334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01	18.0	0.0	
60	QPSK	1	81	16.17	16.19	16.15	18.0	0.0	
Channel				648334	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02	18.0	0.0	
50	QPSK	1	67	16.17	16.25	16.16	18.0	0.0	
Channel				648000	650000	654000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	18.0	0.0	
40	QPSK	1	53	16.13	16.20	16.15	18.0	0.0	
Channel				647334	650000	654668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02	18.0	0.0	
20	QPSK	1	26	16.12	16.22	16.16	18.0	0.0	
Channel				647168	650000	654834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.53	3840	3972.51	18.0	0.0	
15	QPSK	1	19	16.15	16.21	16.17	18.0	0.0	
Channel				647000	650000	655000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975	18.0	0.0	
10	QPSK	1	12	16.12	16.22	16.15	18.0	0.0	

Part27Q n77 Ant2 DSI4 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334			18.0	0.0	
Frequency (MHz)				3500.01					
100	P12 BPSK	1	1		16.14		18.0	0.0	
100	P12 BPSK	1	137		16.13				
100	P12 BPSK	1	271		16.19				
100	P12 BPSK	135	0		16.11		18.0	0.0	
100	P12 BPSK	135	69		16.21		18.0	0.0	
100	P12 BPSK	135	138		16.14		18.0	0.0	
100	P12 BPSK	270	0		16.15				
100	QPSK	1	1		16.16				
100	QPSK	1	137		16.26		18.0	0.0	
100	QPSK	1	271		16.19		17.0	1.0	
100	QPSK	135	0		16.17				
100	QPSK	135	69		16.18				
100	QPSK	135	138		16.13		17.0	1.0	
100	QPSK	270	0		16.12				
100	16QAM	1	1		16.15		18.0	0.0	
100	64QAM	1	1		16.19		18.0	0.0	
100	256QAM	1	1		16.18		18.0	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	18.0	0.0	
90	QPSK	1	123		16.13	16.18	16.15	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	18.0	0.0	
80	QPSK	1	109		16.15	16.22	16.13	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	18.0	0.0	
60	QPSK	1	81		16.11	16.23	16.12	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	18.0	0.0	
50	QPSK	1	67		16.10	16.22	16.11	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	18.0	0.0	
40	QPSK	1	53		16.13	16.17	16.13	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	18.0	0.0	
20	QPSK	1	26		16.10	16.22	16.12	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.53	3500.01	3542.51	18.0	0.0	
15	QPSK	1	19		16.10	16.20	16.11	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01	18.0	0.0	
10	QPSK	1	12		16.11	16.19	16.11	0.0	

Part270 n78 Ant2 DSI4 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000	19.5	0.0	
Frequency (MHz)				3750	3750	3750			
100	P12 BPSK	1	1		16.03		19.5	0.0	
100	P12 BPSK	1	137		16.18				
100	P12 BPSK	1	271		17.96				
100	P12 BPSK	135	0		17.88		19.5	0.0	
100	P12 BPSK	135	69		17.96		19.5	0.0	
100	P12 BPSK	135	138		17.98		19.5	0.0	
100	P12 BPSK	270	0		17.78				
100	QPSK	1	1		17.96				
100	QPSK	1	137		16.20		19.5	0.0	
100	QPSK	1	271		16.05				
100	QPSK	135	0		17.95				
100	QPSK	135	69		16.04		19.5	0.0	
100	QPSK	135	138		16.02				
100	QPSK	270	0		17.97				
100	16QAM	1	1		17.92		19.5	0.0	
100	64QAM	1	1		17.86		19.5	0.0	
100	256QAM	1	1		17.79		19.5	0.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01	19.5	0.0	
90	QPSK	1	123		17.98	16.10	16.01	19.5	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02	19.5	0.0	
80	QPSK	1	109		17.96	16.11	16.02	19.5	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01	19.5	0.0	
60	QPSK	1	81		17.97	16.11	16.06	19.5	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735.01	3750	3775.02	19.5	0.0	
50	QPSK	1	67		18.00	16.06	16.06	19.5	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	19.5	0.0	
40	QPSK	1	53		17.95	16.09	16.07	19.5	
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3795.02	19.5	0.0	
20	QPSK	1	26		17.96	16.06	16.01	19.5	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51	19.5	0.0	
15	QPSK	1	19		17.96	16.10	16.03	19.5	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	19.5	0.0	
10	QPSK	1	12		17.95	16.08	16.05	19.5	

Part27Q 78 Ant2 DSI4 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334			19.5	0.0	
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		17.93		19.5	0.0	
100	PI/2 BPSK	1	137		18.19				
100	PI/2 BPSK	1	271		17.38		19.5	0.0	
100	PI/2 BPSK	135	0		17.89				
100	PI/2 BPSK	135	69		18.00		19.5	0.0	
100	PI/2 BPSK	135	138		18.00				
100	PI/2 BPSK	270	0		17.80		19.5	0.0	
100	QPSK	1	1		17.76				
100	QPSK	1	137		18.22		19.5	0.0	
100	QPSK	1	271		18.06				
100	QPSK	135	0		17.97		19.5	0.0	
100	QPSK	135	69		18.07				
100	QPSK	135	138		18.03		19.5	0.0	
100	QPSK	270	0		18.01				
100	16QAM	1	1		17.82		19.5	0.0	
100	64QAM	1	1		17.79				
100	256QAM	1	1		17.72		19.5 0.0		
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	123		17.99	18.12	18.05	19.5	
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	109		17.95	18.09	18.03	19.5	
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	81		17.98	18.08	18.05	19.5	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	67		17.98	18.12	18.03	19.5	
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	53		17.88	18.06	18.03	19.5	
Channel				630968	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	26		17.94	18.06	18.04	19.5	
Channel				630500	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3451.5	3500.01	3543.5	(dBm)	(dB)	
15	QPSK	1	19		17.96	18.07	18.07	19.5	
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	12		17.96	18.07	18.07	19.5	



Par270 n77 PC2&3 Ant3 DSI4 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	PQ2 BPSK	1	1	17.16	17.23	17.11	18.5		
100	PQ2 BPSK	1	137	17.85	17.98	17.80		0.0	
100	PQ2 BPSK	1	271	17.14	17.25	17.15		18.5	
100	PQ2 BPSK	135	0	17.80	17.89	17.90	18.5	0.0	
100	PQ2 BPSK	135	69	17.97	17.95	17.94		18.5	
100	PQ2 BPSK	135	138	17.80	17.89	17.87		18.5	
100	PQ2 BPSK	270	0	17.86	17.91	17.85	18.5	0.0	
100	QPSK	1	1	17.08	17.25	17.20			
100	QPSK	1	137	17.84	18.04	17.94		0.0	
100	QPSK	1	271	17.24	17.25	17.09	18.5	0.0	
100	QPSK	135	0	17.89	17.97	17.84		18.5	
100	QPSK	135	69	17.96	18.01	17.88		18.5	
100	QPSK	135	138	17.74	17.85	17.77	18.5	0.0	
100	QPSK	270	0	17.84	17.88	17.75		18.5	
100	18QAM	1	1	17.26	17.35	17.27		18.5	
100	64QAM	1	1	17.14	17.26	17.16	18.5	0.0	
100	256QAM	1	1	17.18	17.20	17.22		18.5	
Channel				648668	650000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	123	17.08	17.25	17.10	18.5	0.0	
Channel				648334	650000	662068	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	109	17.05	17.28	17.17	18.5	0.0	
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.02	3840	3950.01			
60	QPSK	1	81	17.13	17.26	17.13	18.5	0.0	
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	67	17.06	17.20	17.10	18.5	0.0	
Channel				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	53	17.10	17.28	17.23	18.5	0.0	
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	26	17.10	17.32	17.23	18.5	0.0	
Channel				647168	650000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	19	17.01	17.22	17.18	18.5	0.0	
Channel				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	12	17.03	17.22	17.11	18.5	0.0	

Part27Q n77 PC2&3 Ant3 DSI4 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PQ2 BPSK	1	1		16.88		18.5		
100	PQ2 BPSK	1	137		17.73			0.0	
100	PQ2 BPSK	1	271		16.98			18.5	
100	PQ2 BPSK	135	0		17.61		18.5	0.0	
100	PQ2 BPSK	135	69		17.78			18.5	
100	PQ2 BPSK	135	138		17.51			18.5	
100	PQ2 BPSK	270	0		17.62		18.5	0.0	
100	QPSK	1	1		17.20				
100	QPSK	1	137		17.83			0.0	
100	QPSK	1	271		17.10		18.5	0.0	
100	QPSK	135	0		17.66			18.5	
100	QPSK	135	69		17.71			18.5	
100	QPSK	135	138		17.60		18.5	0.0	
100	QPSK	270	0		17.68			18.5	
100	16QAM	1	1		17.12			18.5	
100	64QAM	1	1		17.01		18.5	0.0	
100	256QAM	1	1		16.97			18.5	
Channel				633000	633334	633668	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	123	17.79	17.81	17.80	18.5	0.0	
Channel				632668	633334	634000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109	17.83	17.76	17.82	18.5	0.0	
Channel				632000	633334	634668	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	81	17.88	17.78	17.77	18.5	0.0	
Channel				631668	633334	635000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67	17.88	17.76	17.82	18.5	0.0	
Channel				631334	633334	635334	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53	17.77	17.86	17.84	18.5	0.0	
Channel				630668	633334	636000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26	17.83	17.79	17.87	18.5	0.0	
Channel				630500	633334	636168	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	19	17.79	17.77	17.81	18.5	0.0	
Channel				630334	633334	636334	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	12	17.86	17.86	17.87	18.5	0.0	

Part27O n78 PC2&3 Ant3 DSI4 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PQ2 BPSK	1	1		17.85		18.5		
100	PQ2 BPSK	1	137		18.29			0.0	
100	PQ2 BPSK	1	271		17.72			18.5	
100	PQ2 BPSK	135	0		18.22		18.5	0.0	
100	PQ2 BPSK	135	69		18.26			18.5	
100	PQ2 BPSK	135	138		18.24			18.5	
100	PQ2 BPSK	270	0		18.11		18.5	0.0	
100	QPSK	1	1		17.81				
100	QPSK	1	137		18.32			0.0	
100	QPSK	1	271		17.80		18.5	0.0	
100	QPSK	135	0		18.24			18.5	
100	QPSK	135	69		18.30			18.5	
100	QPSK	135	138		18.25		18.5	0.0	
100	QPSK	270	0		18.25			18.5	
100	16QAM	1	1		17.69			18.5	
100	64QAM	1	1		17.58		18.5	0.0	
100	256QAM	1	1		17.82			18.5	
Channel				648668	650000	660334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	123	17.52	17.61	17.58	18.5	0.0	
Channel				648334	650000	660668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	109	17.64	17.54	17.61	18.5	0.0	
Channel				648668	650000	661334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735.02	3750	3765.01			
60	QPSK	1	81	17.52	17.59	17.63	18.5	0.0	
Channel				648334	650000	661668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	67	17.56	17.60	17.63	18.5	0.0	
Channel				648000	650000	662000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	53	17.63	17.52	17.54	18.5	0.0	
Channel				647334	650000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	26	17.62	17.53	17.59	18.5	0.0	
Channel				647168	650000	662834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	19	17.54	17.58	17.55	18.5	0.0	
Channel				647000	650000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	12	17.66	17.63	17.58	18.5	0.0	

Part27Q 78 PC2&3 Ant3 DSI4 DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dbm)	MPR (db)
Channel				633334			18.5	0.0
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1		17.43		18.5	0.0
100	PI/2 BPSK	1	137		18.27			
100	PI/2 BPSK	1	271		17.87		18.5	0.0
100	PI/2 BPSK	135	0		18.08			
100	PI/2 BPSK	135	69		18.31		18.5	0.0
100	PI/2 BPSK	135	138		18.14			
100	PI/2 BPSK	270	0		18.13		18.5	0.0
100	QPSK	1	1		17.44			
100	QPSK	1	137		18.34		18.5	0.0
100	QPSK	1	271		18.02			
100	QPSK	135	0		18.12		18.5	0.0
100	QPSK	135	69		18.26			
100	QPSK	135	138		18.24		18.5	0.0
100	QPSK	270	0		18.22			
100	16QAM	1	1		17.76		18.5	0.0
100	64QAM	1	1		17.50			
100	256QAM	1	1		17.51		18.5	0.0
Channel				633000	633334	633668	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	123		17.49	17.37	18.5	0.0
Channel				632668	633334	634000		
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dbm)	MPR (db)
Channel								
80	QPSK	1	109		17.38	17.45	18.5	0.0
Channel				632000	633334	634668		
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dbm)	MPR (db)
Channel								
60	QPSK	1	81		17.41	17.46	18.5	0.0
Channel				631668	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dbm)	MPR (db)
Channel								
50	QPSK	1	67		17.44	17.38	18.5	0.0
Channel				631334	633334	635334		
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dbm)	MPR (db)
Channel								
40	QPSK	1	53		17.39	17.48	18.5	0.0
Channel				630668	633334	636000		
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dbm)	MPR (db)
Channel								
20	QPSK	1	28		17.48	17.47	18.5	0.0
Channel				630500	633334	636168		
Frequency (MHz)				3457.5	3500.01	3542.52	Tune-up limit (dbm)	MPR (db)
Channel								
15	QPSK	1	19		17.49	17.42	18.5	0.0
Channel				630334	633334	636334		
Frequency (MHz)				3455.01	3500.01	3545.01	Tune-up limit (dbm)	MPR (db)
Channel								
10	QPSK	1	12		17.43	17.42	18.5	0.0
Channel								



n5 Ant4 Default/DSI4 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				166300	167300	167600	25.5	0.0	
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	24.43	24.48	24.37			
20	PI2 BPSK	1	26	24.56	24.64	24.59	25.0	0.0	
20	PI2 BPSK	1	49	24.44	24.52	24.45			
20	PI2 BPSK	25	0	24.01	24.15	24.04			
20	PI2 BPSK	25	13	24.58	24.66	24.54	25.0	0.5	
20	PI2 BPSK	25	26	24.03	24.15	24.03			
20	PI2 BPSK	50	0	24.09	24.20	24.13			
20	QPSK	1	1	24.63	24.69	24.57	25.5	0.0	
20	QPSK	1	26	24.52	24.59	24.48			
20	QPSK	1	49	24.40	24.46	24.35			
20	QPSK	25	0	23.56	23.63	23.55	24.5	1.0	
20	QPSK	25	13	24.43	24.55	24.44			
20	QPSK	25	26	23.56	23.62	23.53			
20	QPSK	50	0	23.53	23.66	23.61	24.5	1.0	
20	16QAM	1	1	23.16	23.24	23.16			
20	64QAM	1	1	21.66	21.73	21.65		23.0	
20	256QAM	1	1	20.28	20.33	20.24		21.0	4.5
Channel				166300	167300	168300	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				831.5	836.5	841.5	25.5	0.0	
15	QPSK	1	1	24.50	24.63	24.51			
Channel				165200	167200	168300	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				829	836.5	844	25.5	0.0	
10	QPSK	1	1	24.52	24.55	24.46			

n7 Ant4 DSI4 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000	19.5	0.0	
Frequency (MHz)				2510	2535	2560			
20	PI2 BPSK	1	1	18.61	18.78	18.67	19.5	0.0	
20	PI2 BPSK	1	26	18.58	18.69	18.53			
20	PI2 BPSK	1	49	18.60	18.75	18.57			
20	PI2 BPSK	25	0	18.51	18.64	18.60	19.5	0.0	
20	PI2 BPSK	25	13	18.62	18.67	18.61			
20	PI2 BPSK	25	26	18.43	18.66	18.55			
20	PI2 BPSK	50	0	18.54	18.75	18.62	19.5	0.0	
20	QPSK	1	1	18.77	18.84	18.71			
20	QPSK	1	26	18.64	18.77	18.61			
20	QPSK	1	49	18.50	18.69	18.52	19.5	0.0	
20	QPSK	25	0	18.63	18.80	18.66			
20	QPSK	25	13	18.66	18.83	18.62			
20	QPSK	25	26	18.55	18.58	18.59	19.5	0.0	
20	QPSK	50	0	18.70	18.71	18.67			
20	16QAM	1	1	18.54	18.53	18.36			
20	64QAM	1	1	18.41	18.55	18.44	19.5		0.0
20	256QAM	1	1	18.35	18.47	18.36	19.5		
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	19.5	0.0	
15	QPSK	1	1	18.68	18.82	18.78			
Channel				501000	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	19.5	0.0	
10	QPSK	1	1	18.65	18.77	18.74			

n66 Ant4 DSI4 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	353000	20.0	0.0	
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	18.74	18.85	18.69			
40	PI2 BPSK	1	53	18.73	18.87	18.72	20.0	0.0	
40	PI2 BPSK	1	104	18.70	18.75	18.59			
40	PI2 BPSK	50	0	18.71	18.81	18.66			
40	PI2 BPSK	50	26	18.74	18.86	18.77	20.0	0.0	
40	PI2 BPSK	50	56	18.70	18.73	18.64			
40	PI2 BPSK	100	0	18.76	18.89	18.73			
40	QPSK	1	1	18.96	19.02	18.87	20.0	0.0	
40	QPSK	1	53	18.83	18.87	18.81			
40	QPSK	1	104	18.83	18.74	18.62			
40	QPSK	50	0	18.96	18.81	18.73	20.0	0.0	
40	QPSK	50	26	18.79	18.97	18.74			
40	QPSK	50	56	18.68	18.83	18.66			
40	QPSK	100	0	18.76	18.93	18.77	20.0	0.0	
40	16QAM	1	1	18.90	18.96	18.80			
40	64QAM	1	1	18.76	18.86	18.79		20.0	
40	256QAM	1	1	18.74	18.81	18.73		20.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770	20.0	0.0	
20	QPSK	1	1	18.89	18.91	18.75			
Channel				343000	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	20.0	0.0	
15	QPSK	1	1	18.88	18.90	18.80			
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1774	20.0	0.0	
10	QPSK	1	1	18.90	18.93	18.71			

n38 Ant4 DSI4 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	18.39	18.52	18.48	19.5	0.0	
40	PI/2 BPSK	1	53	18.43	18.47	18.39			
40	PI/2 BPSK	1	104	18.34	18.42	18.38	19.5	0.0	
40	PI/2 BPSK	50	0	18.35	18.46	18.42			
40	PI/2 BPSK	50	28	18.38	18.49	18.35	19.5	0.0	
40	PI/2 BPSK	50	56	18.31	18.44	18.34			
40	PI/2 BPSK	100	0	18.35	18.48	18.39	19.5	0.0	
40	QPSK	1	1	18.52	18.62	18.42			
40	QPSK	1	53	18.39	18.60	18.37	19.5	0.0	
40	QPSK	1	104	18.39	18.46	18.39			
40	QPSK	50	0	18.42	18.51	18.47	19.5	0.0	
40	QPSK	50	28	18.47	18.53	18.50			
40	QPSK	50	56	18.40	18.48	18.39	19.5	0.0	
40	QPSK	100	0	18.38	18.52	18.43			
40	16QAM	1	1	18.45	18.54	18.39	19.5	0.0	
40	64QAM	1	1	18.39	18.44	18.36			
40	256QAM	1	1	18.25	18.16	18.25	19.5	0.0	
Channel				518000	519000	522000			
Frequency (MHz)				2580	2595	2610	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	18.35	18.57	18.41	19.5	0.0	
Channel				515502	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	18.16	18.55	18.21	19.5	0.0	
Channel				515004	518000	522998			
Frequency (MHz)				2575.02	2595	2614.98	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	18.40	18.36	18.21	19.5	0.0	
Channel				518000	519000	522000			
Frequency (MHz)				2590.02	2595	2599.98	Tune-up limit (dBm)	MPR (dB)	

n41 PC2&3 Ant4 DSI4 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	19.70	19.93	19.88	21.0	0.0	
100	PI/2 BPSK	1	137	19.78	19.86	19.77			
100	PI/2 BPSK	1	271	19.76	19.88	19.74	21.0	0.0	
100	PI/2 BPSK	135	0	19.78	19.91	19.80			
100	PI/2 BPSK	135	69	19.78	19.87	19.69	21.0	0.0	
100	PI/2 BPSK	135	138	19.87	19.85	19.78			
100	PI/2 BPSK	270	0	19.80	19.80	19.77	21.0	0.0	
100	QPSK	1	1	19.73	19.89	19.87			
100	QPSK	1	137	19.82	19.94	19.79	21.0	0.0	
100	QPSK	1	271	19.70	19.81	19.74			
100	QPSK	135	0	19.75	19.88	19.69	21.0	0.0	
100	QPSK	135	69	19.76	19.90	19.78			
100	QPSK	135	138	19.83	19.87	19.80	21.0	0.0	
100	QPSK	270	0	19.81	19.83	19.78			
100	16QAM	1	1	19.65	19.73	19.74	21.0	0.0	
100	64QAM	1	1	19.59	19.64	19.60			
100	256QAM	1	1	19.83	19.81	19.69	20.0	1.0	
Channel				508200	518598	528996			
Frequency (MHz)				2541	2592.99	2644.98	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	123	19.80	19.89	19.71	21.0	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2536.02	2592.99	2649.99	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	109	19.81	19.88	19.73	21.0	0.0	
Channel				505200	518598	531996			
Frequency (MHz)				2526	2592.99	2639.98	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	81	19.77	19.93	19.75	21.0	0.0	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	67	19.80	19.84	19.80	21.0	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	53	19.87	19.93	19.72	21.0	0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	26	19.79	19.84	19.72	21.0	0.0	
Channel				500700	518598	536496			
Frequency (MHz)				2503.5	2592.99	2682.48	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	19	19.87	19.90	19.71	21.0	0.0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	12	19.81	19.92	19.73	21.0	0.0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685	Tune-up limit (dBm)	MPR (dB)	



Par270 n77 Ant5 DSi4 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	15.56	15.67	15.53	17.5	0.0	
100	PI2 BPSK	1	137	15.56	15.70	15.54			
100	PI2 BPSK	1	271	15.52	15.68	15.51			
100	PI2 BPSK	135	0	15.56	15.70	15.52	17.5	0.0	
100	PI2 BPSK	135	69	15.55	15.69	15.52			
100	PI2 BPSK	135	138	15.55	15.69	15.51			
100	PI2 BPSK	270	0	15.54	15.65	15.53	17.5	0.0	
100	QPSK	1	1	15.54	15.65	15.53			
100	QPSK	1	137	15.62	15.71	15.59			
100	QPSK	1	271	15.55	15.67	15.54	17.5	0.0	
100	QPSK	135	0	15.56	15.66	15.52			
100	QPSK	135	69	15.55	15.68	15.53			
100	QPSK	135	138	15.55	15.60	15.57	17.5	0.0	
100	QPSK	270	0	15.56	15.57	15.55			
100	16QAM	1	1	15.57	15.66	15.56		17.5	
100	64QAM	1	1	15.54	15.68	15.51			
100	256QAM	1	1	15.54	15.66	15.51			
Channel				648668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01	(dB)		
90	QPSK	1	123	15.52	15.60	15.55	17.5	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02	(dB)		
80	QPSK	1	109	15.57	15.61	15.61	17.5	0.0	
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.02	3840	3950.01	(dB)		
60	QPSK	1	81	15.53	15.56	15.61	17.5	0.0	
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02	(dB)		
50	QPSK	1	67	15.54	15.61	15.60	17.5	0.0	
Channel				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	(dB)		
40	QPSK	1	53	15.55	15.63	15.57	17.5	0.0	
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3718.01	3840	3970.02	(dB)		
20	QPSK	1	26	15.57	15.60	15.60	17.5	0.0	
Channel				647168	650000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51	(dB)		
15	QPSK	1	19	15.54	15.59	15.58	17.5	0.0	
Channel				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975	(dB)		
10	QPSK	1	12	15.54	15.63	15.60	17.5	0.0	

Part27Q n77 Ant5 DSi4 DFT-30												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)				
Channel				633334								
Frequency (MHz)				3500.01								
100	PI2 BPSK	1	1	15.68			17.5	0.0				
100	PI2 BPSK	1	137	15.68								
100	PI2 BPSK	1	271	15.67								
100	PI2 BPSK	135	0	15.69			17.5	0.0				
100	PI2 BPSK	135	69	15.67								
100	PI2 BPSK	135	138	15.63								
100	PI2 BPSK	270	0	15.63			17.5	0.0				
100	QPSK	1	1	15.67								
100	QPSK	1	137	15.75								
100	QPSK	1	271	15.65			17.5	0.0				
100	QPSK	135	0	15.64								
100	QPSK	135	69	15.66								
100	QPSK	135	138	15.65			17.5	0.0				
100	QPSK	270	0	15.63								
100	16QAM	1	1	15.63				17.5				
100	64QAM	1	1	15.68								
100	256QAM	1	1	15.65								
Channel				633000	633334	633668	Tune-up limit (dbm)	MPR (db)				
Frequency (MHz)				3495	3500.01	3505.02	(dbm)					
90	QPSK	1	123	15.56	15.63	15.56	17.5	0.0				
Channel				632668	633334	634000	Tune-up limit (dbm)	MPR (db)				
Frequency (MHz)				3490.02	3500.01	3510	(dbm)					
80	QPSK	1	109	15.56	15.63	15.61	17.5	0.0				
Channel				632000	633334	634668	Tune-up limit (dbm)	MPR (db)				
Frequency (MHz)				3480	3500.01	3520.02	(dbm)					
60	QPSK	1	81	15.54	15.59	15.59	17.5	0.0				
Channel				631668	633334	635000	Tune-up limit (dbm)	MPR (db)				
Frequency (MHz)				3475.02	3500.01	3525	(dbm)					
50	QPSK	1	67	15.54	15.62	15.56	17.5	0.0				
Channel				631334	633334	635334	Tune-up limit (dbm)	MPR (db)				
Frequency (MHz)				3470.01	3500.01	3530.01	(dbm)					
40	QPSK	1	53	15.54	15.59	15.61	17.5	0.0				
Channel				630668	633334	636000	Tune-up limit (dbm)	MPR (db)				
Frequency (MHz)				3468.02	3500.01	3540	(dbm)					
20	QPSK	1	26	15.56	15.58	15.60	17.5	0.0				
Channel				630500	633334	636168	Tune-up limit (dbm)	MPR (db)				
Frequency (MHz)				3457.5	3500.01	3542.52	(dbm)					
15	QPSK	1	19	15.57	15.58	15.59	17.5	0.0				
Channel				630334	633334	636334	Tune-up limit (dbm)	MPR (db)				
Frequency (MHz)				3455.01	3500.01	3545.01	(dbm)					
10	QPSK	1	12	15.58	15.61	15.59	17.5	0.0				

Part27O n78 Ant5 DSi4 DFT-30										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				650000	650000	650000				
Frequency (MHz)				3750	3750	3750				
100	PI2 BPSK	1	1	15.58			17.5	0.0		
100	PI2 BPSK	1	137	15.59						
100	PI2 BPSK	1	271	15.60						
100	PI2 BPSK	135	0	15.60			17.5	0.0		
100	PI2 BPSK	135	69	15.59						
100	PI2 BPSK	135	138	15.57						
100	PI2 BPSK	270	0	15.55			17.5	0.0		
100	QPSK	1	1	15.58						
100	QPSK	1	137	15.67						
100	QPSK	1	271	15.57			17.5	0.0		
100	QPSK	135	0	15.55						
100	QPSK	135	69	15.58						
100	QPSK	135	138	15.56			17.5	0.0		
100	QPSK	270	0	15.52						
100	16QAM	1	1	15.54				17.5		
100	64QAM	1	1	15.57						
100	256QAM	1	1	15.56						
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3745.02	3750	3755.01	(dB)			
90	QPSK	1	123	15.54	15.59	15.59	17.5	0.0		
Channel				648334	650000	650568	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3740.01	3750	3760.02	(dB)			
80	QPSK	1	109	15.56	15.59	15.56	17.5	0.0		
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3735.02	3750	3770.01	(dB)			
60	QPSK	1	81	15.53	15.59	15.59	17.5	0.0		
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3725.01	3750	3775.02	(dB)			
50	QPSK	1	67	15.53	15.60	15.59	17.5	0.0		
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3720	3750	3780	(dB)			
40	QPSK	1	53	15.52	15.61	15.58	17.5	0.0		
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3710.01	3750	3790.02	(dB)			
20	QPSK	1	26	15.53	15.59	15.60	17.5	0.0		
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3707.52	3750	3792.51	(dB)			
15	QPSK	1	19	15.57	15.57	15.56	17.5	0.0		
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3705 <th>3750</th> <th>3795</th> <th>(dB)</th> <th colspan="2"></th>	3750	3795	(dB)			
10	QPSK	1	12	15.52	15.57	15.60	17.5	0.0		

Part27Q 78 Ant5 DS4 DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				633334			17.5	0.0
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1	15.58			17.5	0.0
100	PI2 BPSK	1	137	15.81				
100	PI2 BPSK	1	271	15.60				
100	PI2 BPSK	135	0	15.58				
100	PI2 BPSK	135	69	15.58			17.5	0.0
100	PI2 BPSK	135	138	15.58				
100	PI2 BPSK	270	0	15.54				
100	QPSK	1	1	15.57				
100	QPSK	1	137	15.59			17.5	0.0
100	QPSK	1	271	15.55				
100	QPSK	135	0	15.55				
100	QPSK	135	69	15.56				
100	QPSK	135	138	15.54			17.5	0.0
100	QPSK	270	0	15.50				
100	16QAM	1	1	15.54				
100	64QAM	1	1	15.58				
100	256QAM	1	1	15.58			17.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	123	15.54	15.58	15.59	17.5	0.0
Channel				632505	633115	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	109	15.54	15.61	15.58	17.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485	3500.01	3505.02		
60	QPSK	1	81	15.58	15.60	15.59	17.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	15.57	15.63	15.60	17.5	0.0
Channel				631334	633114	633334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	15.57	15.58	15.56	17.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	28	15.59	15.62	15.57	17.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	15.53	15.61	15.57	17.5	0.0
Channel				630334	633114	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	15.57	15.57	15.59	17.5	0.0



Par270 n77 Ant6 DSi4 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	Pi2 BPSK	1	1	16.52	16.61	16.55	18.5	0.0	
100	Pi2 BPSK	1	137	16.55	16.62	16.56			
100	Pi2 BPSK	1	271	16.54	16.61	16.57			
100	Pi2 BPSK	135	0	16.54	16.61	16.56			
100	Pi2 BPSK	135	69	16.54	16.59	16.58	18.5	0.0	
100	Pi2 BPSK	135	138	16.55	16.57	16.54	18.5	0.0	
100	Pi2 BPSK	270	0	16.51	16.63	16.55	18.5	0.0	
100	QPSK	1	1	16.52	16.60	16.55			
100	QPSK	1	137	16.56	16.65	16.60			
100	QPSK	1	271	16.53	16.61	16.52			
100	QPSK	135	0	16.56	16.60	16.56	17.5	1.0	
100	QPSK	135	69	16.56	16.61	16.52	18.5	0.0	
100	QPSK	135	138	16.55	16.57	16.56	17.5	1.0	
100	QPSK	270	0	16.54	16.59	16.57	18.5	0.0	
100	16QAM	1	1	16.53	16.62	16.58			
100	64QAM	1	1	16.55	16.62	16.53			
100	256QAM	1	1	16.54	16.59	16.53			
Channel				648668	650000	652334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)	
90	QPSK	1	123	16.51	16.61	16.55	18.5	0.0	
Channel				649334	650000	650968	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)	
80	QPSK	1	109	16.51	16.58	16.54	18.5	0.0	
Channel				648968	650000	653334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)	
60	QPSK	1	81	16.52	16.58	16.52	18.5	0.0	
Channel				648334	650000	653668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)	
50	QPSK	1	67	16.52	16.59	16.55	18.5	0.0	
Channel				648000	650000	654000	Tune-up limit	MPR	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	QPSK	1	53	16.53	16.59	16.52	18.5	0.0	
Channel				647234	650000	654668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)	
20	QPSK	1	26	16.54	16.59	16.54	18.5	0.0	
Channel				647168	650000	654834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3840	3972.51	(dBm)	(dB)	
15	QPSK	1	19	16.52	16.56	16.52	18.5	0.0	
Channel				647000	650000	655000	Tune-up limit	MPR	
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)	
10	QPSK	1	12	16.53	16.57	16.54	18.5	0.0	

Part27Q n77 Ant6 DSi4 DFT-30											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				633334	633334						
Frequency (MHz)				3500.01							
100	Pi2 BPSK	1	1		16.66		18.5	0.0			
100	Pi2 BPSK	1	137		16.67						
100	Pi2 BPSK	1	271		16.66						
100	Pi2 BPSK	135	0		16.67						
100	Pi2 BPSK	135	69		16.63		18.5	0.0			
100	Pi2 BPSK	135	138		16.61		18.5	0.0			
100	Pi2 BPSK	270	0		16.68		18.5	0.0			
100	QPSK	1	1		16.66						
100	QPSK	1	137		16.70						
100	QPSK	1	271		16.68						
100	QPSK	135	0		16.65		17.5	1.0			
100	QPSK	135	69		16.68		18.5	0.0			
100	QPSK	135	138		16.64		17.5	1.0			
100	QPSK	270	0		16.68		18.5	0.0			
100	16QAM	1	1		16.68						
100	64QAM	1	1		16.64						
100	256QAM	1	1		16.65						
Channel				633000	633334	633668	Tune-up limit				
Frequency (MHz)				3495	3500.01	3505.02	(dBm)				
90	QPSK	1	123		16.53	16.57	16.52	18.5			
Channel				632668	633334	634000	Tune-up limit				
Frequency (MHz)				3490.02	3500.01	3510	(dBm)				
80	QPSK	1	109		16.53	16.57	16.54	18.5			
Channel				632000	633334	634668	Tune-up limit				
Frequency (MHz)				3480	3500.01	3520.02	(dBm)				
60	QPSK	1	81		16.52	16.57	16.51	18.5			
Channel				631668	633334	635000	Tune-up limit				
Frequency (MHz)				3475.02	3500.01	3525	(dBm)				
50	QPSK	1	67		16.51	16.58	16.52	18.5			
Channel				631334	633334	635334	Tune-up limit				
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)				
40	QPSK	1	53		16.52	16.56	16.54	18.5			
Channel				630668	633334	636000	Tune-up limit				
Frequency (MHz)				3460.02	3500.01	3540	(dBm)				
20	QPSK	1	26		16.51	16.59	16.52	18.5			
Channel				630500	633334	636168	Tune-up limit				
Frequency (MHz)				3457.52	3500.01	3542.52	(dBm)				
15	QPSK	1	19		16.53	16.56	16.55	18.5			
Channel				630334	633334	636334	Tune-up limit				
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)				
10	QPSK	1	12		16.52	16.60	16.53	18.5			
								0.0			

Part27O n78 Ant6 DSi4 DFT-30											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				650000	650000	650000					
Frequency (MHz)				3750	3750	3750					
100	Pi2 BPSK	1	1		16.59		18.5	0.0			
100	Pi2 BPSK	1	137		16.60						
100	Pi2 BPSK	1	271		16.58						
100	Pi2 BPSK	135	0		16.56						
100	Pi2 BPSK	135	69		16.53		18.5	0.0			
100	Pi2 BPSK	135	138		16.52		18.5	0.0			
100	Pi2 BPSK	270	0		16.59		18.5	0.0			
100	QPSK	1	1		16.57						
100	QPSK	1	137		16.61						
100	QPSK	1	271		16.58						
100	QPSK	135	0		16.54		17.5	1.0			
100	QPSK	135	69		16.55		18.5	0.0			
100	QPSK	135	138		16.51		17.5	1.0			
100	QPSK	270	0		16.53		18.5	0.0			
100	16QAM	1	1		16.60						
100	64QAM	1	1		16.60						
100	256QAM	1	1		16.57						
Channel				648668	650000	650334	Tune-up limit				
Frequency (MHz)				3745.02	3750	3755.01	(dBm)				
90	QPSK	1	123		16.52	16.58	16.52	18.5			
Channel				649334	650000	650968	Tune-up limit				
Frequency (MHz)				3740.01	3750	3760.02	(dBm)				
80	QPSK	1	109		16.52	16.57	16.52	18.5			
Channel				648868	650000	651334	Tune-up limit				
Frequency (MHz)				3730.02	3750	3770.01	(dBm)				
60	QPSK	1	81		16.51	16.57	16.53	18.5			
Channel				648334	650000	651668	Tune-up limit				
Frequency (MHz)				3726.01	3750	3775.02	(dBm)				
50	QPSK	1	67		16.54	16.58	16.51	18.5			
Channel				648000	650000	652000	Tune-up limit				
Frequency (MHz)				3720	3750	3780	(dBm)				
40	QPSK	1	53		16.54	16.58	16.54	18.5			
Channel				647334	650000	652668	Tune-up limit				
Frequency (MHz)				3710.01	3750	3790.02	(dBm)				
20	QPSK	1	26		16.53	16.59	16.53	18.5			
Channel				647168	650000	652334	Tune-up limit				
Frequency (MHz)				3707.52	3750	3792.51	(dBm)				
15	QPSK	1	19		16.53	16.60	16.54	18.5			
Channel				647000	650000	653000	Tune-up limit				
Frequency (MHz)				3705	3750	3795	(dBm)				
10	QPSK	1	12		16.51	16.58	16.52	0.0			

Part27Q 78 Ant6 DSI4 DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				633334			18.5	0.0
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1		16.61		18.5	0.0
100	PI/2 BPSK	1	137		16.60			
100	PI/2 BPSK	1	271		16.62			
100	PI/2 BPSK	135	0		16.62		18.5	0.0
100	PI/2 BPSK	135	69		16.58		18.5	0.0
100	PI/2 BPSK	135	138		16.59		18.5	0.0
100	PI/2 BPSK	270	0		16.63		18.5	0.0
100	QPSK	1	1		16.63			
100	QPSK	1	137		16.64			
100	QPSK	1	271		16.61		18.5	0.0
100	QPSK	135	0		16.61			
100	QPSK	135	69		16.63			
100	QPSK	135	138		16.59		18.5	0.0
100	QPSK	270	0		16.61		18.5	0.0
100	16QAM	1	1		16.61		18.5	0.0
100	64QAM	1	1		16.59		18.5	0.0
100	256QAM	1	1		16.63		18.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485	3500.01	3505.02	18.5	0.0
90	QPSK	1	123	16.51	16.58	16.54	18.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510	18.5	0.0
80	QPSK	1	109	16.53	16.56	16.54	18.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02	18.5	0.0
60	QPSK	1	81	16.53	16.56	16.53	18.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525	18.5	0.0
50	QPSK	1	67	16.53	16.58	16.51	18.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01	18.5	0.0
40	QPSK	1	53	16.53	16.56	16.55	18.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	18.5	0.0
20	QPSK	1	26	16.51	16.58	16.53	18.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52	18.5	0.0
15	QPSK	1	19	16.51	16.59	16.53	18.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01	18.5	0.0
10	QPSK	1	12	16.53	16.58	16.51	18.5	0.0



Par270 n77 PC2&3 Ant3 DSI1 NSA DFT-30								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	14.74	14.73	14.69		
100	PI2 BPSK	1	137	15.36	15.63	15.40	16.0	0.0
100	PI2 BPSK	1	271	14.69	14.60	14.44		
100	PI2 BPSK	135	0	15.23	15.37	15.24	16.0	0.0
100	PI2 BPSK	135	69	15.34	15.53	15.34	16.0	0.0
100	PI2 BPSK	135	138	15.14	15.21	15.17		
100	PI2 BPSK	270	0	15.44	15.49	15.35	16.0	0.0
100	QPSK	1	1	14.61	14.72	14.70		
100	QPSK	1	137	15.38	15.65	15.42	16.0	0.0
100	QPSK	1	271	14.74	14.73	14.58		
100	QPSK	135	0	15.40	15.48	15.34	16.0	0.0
100	QPSK	135	69	15.31	15.58	15.43	16.0	0.0
100	QPSK	135	138	15.36	15.25	15.15	16.0	0.0
100	QPSK	270	0	15.32	15.36	15.12		
100	16QAM	1	1	14.82	14.70	14.64	16.0	0.0
100	64QAM	1	1	14.70	14.67	14.69	16.0	0.0
100	256QAM	1	1	14.63	14.68	14.72	16.0	0.0
Channel				649668	650000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	123	15.19	15.61	15.25	16.0	0.0
Channel				653334	652000	635506	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	109	15.21	15.46	15.36	16.0	0.0
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3733.02	3840	3950.01		
80	QPSK	1	81	15.22	15.54	15.28	16.0	0.0
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	67	15.27	15.59	15.33	16.0	0.0
Channel				652000	650000	662000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	53	15.33	15.55	15.42	16.0	0.0
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3713.01	3840	3970.02		
20	QPSK	1	26	15.25	15.54	15.42	16.0	0.0
Channel				647168	650000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	19	15.33	15.43	15.41	16.0	0.0
Channel				652000	650000	665500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	12	15.39	15.45	15.25	16.0	0.0

Part27Q n77 PC2&3 Ant3 DSI1 NSA DFT-30								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI2 BPSK	1	1		14.24			
100	PI2 BPSK	1	137		15.08		16.0	0.0
100	PI2 BPSK	1	271		14.34			
100	PI2 BPSK	135	0		14.87		16.0	0.0
100	PI2 BPSK	135	69		15.20		16.0	0.0
100	PI2 BPSK	135	138		14.80			
100	PI2 BPSK	270	0		15.06		16.0	0.0
100	QPSK	1	1		14.63			
100	QPSK	1	137		15.23		16.0	0.0
100	QPSK	1	271		14.31			
100	QPSK	135	0		14.98		16.0	0.0
100	QPSK	135	69		15.12		16.0	0.0
100	QPSK	135	138		14.98		16.0	0.0
100	QPSK	270	0		15.00			
100	16QAM	1	1		14.47		16.0	0.0
100	64QAM	1	1		14.63		16.0	0.0
100	256QAM	1	1		14.49		16.0	0.0
Channel				633000	633334	633668	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	123	15.05	15.21	15.05	16.0	0.0
Channel				632000	633334	634668	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	109	15.02	15.11	15.21	16.0	0.0
Channel				631000	633334	635334	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3485.01	3500.01	3525		
80	QPSK	1	81	15.16	15.04	15.17	16.0	0.0
Channel				631668	633334	635000	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	15.19	15.21	15.07	16.0	0.0
Channel				631334	633334	635334	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	15.06	15.19	15.14	16.0	0.0
Channel				630668	633334	636000	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26	15.07	15.20	15.12	16.0	0.0
Channel				630500	633334	636168	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	15.17	15.01	15.04	16.0	0.0
Channel				630334	633334	636334	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3453.01	3500.01	3545.01		
10	QPSK	1	12	15.23	15.17	15.20	16.0	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI2 BPSK	1	1		15.17		16.0	0.0
100	PI2 BPSK	1	137		15.72		16.0	0.0
100	PI2 BPSK	1	271		15.19		16.0	0.0
100	PI2 BPSK	135	0		15.73		16.0	0.0
100	PI2 BPSK	135	69		15.70		16.0	0.0
100	PI2 BPSK	135	138		15.69		16.0	0.0
100	PI2 BPSK	270	0		15.62		16.0	0.0
100	QPSK	1	1		15.19		16.0	0.0
100	QPSK	1	137		15.79		16.0	0.0
100	QPSK	1	271		15.24		16.0	0.0
100	QPSK	135	0		15.67		16.0	0.0
100	QPSK	135	69		15.76		16.0	0.0
100	QPSK	135	138		15.77		16.0	0.0
100	QPSK	270	0		15.79		16.0	0.0
100	16QAM	1	1		14.98		16.0	0.0
100	64QAM	1	1		14.83		16.0	0.0
100	256QAM	1	1		15.43		16.0	0.0
Channel				649688	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	123	15.65	15.76	15.58	16.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	109	15.57	15.64	15.75	16.0	0.0
Channel				648988	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735.02	3750	3770.01		
60	QPSK	1	81	15.72	15.75	15.75	16.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	67	15.76	15.61	15.73	16.0	0.0
Channel				647900	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	53	15.73	15.71	15.59	16.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3718.01	3750	3782.02		
20	QPSK	1	26	15.70	15.71	15.63	16.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	19	15.65	15.77	15.75	16.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	12	15.77	15.67	15.77	16.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334				
Frequency (MHz)					3500.01				
100	PI2 BPSK	1	1		15.03		16.0	0.0	
100	PI2 BPSK	1	137		15.71				
100	PI2 BPSK	1	271		15.35				
100	PI2 BPSK	135	0		15.59				
100	PI2 BPSK	135	69		15.72		16.0	0.0	
100	PI2 BPSK	135	138		15.76		16.0	0.0	
100	PI2 BPSK	270	0		15.61		16.0	0.0	
100	QPSK	1	1		14.90		16.0	0.0	
100	QPSK	1	137		15.80				
100	QPSK	1	271		15.54				
100	QPSK	135	0		15.60				
100	QPSK	135	69		15.73		16.0	0.0	
100	QPSK	135	138		15.70		16.0	0.0	
100	QPSK	270	0		15.74		16.0	0.0	
100	16QAM	1	1		15.11		16.0	0.0	
100	64QAM	1	1		15.07		16.0	0.0	
100	256QAM	1	1		14.90		16.0	0.0	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	123		15.70	15.76	15.64	16.0	0.0
Channel				632500	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	109		15.73	15.75	15.72	16.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3485	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	81		15.60	15.69	15.62	16.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	67		15.68	15.70	15.60	16.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	53		15.59	15.72	15.72	16.0	0.0
Channel				630968	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	26		15.74	15.69	15.63	16.0	0.0
Channel				630500	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	19		15.61	15.63	15.79	16.0	0.0
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	12		15.63	15.62	15.70	16.0	0.0



WLAN/Bluetooth Power

2.4GHz WLAN					Ant 7		Head	
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	19.14	21.00	12.53	14.50	100.00
		6	2437	19.28	21.00	12.75	14.50	
		11	2462	19.31	21.00	12.82	14.50	
	802.11g 6Mbps	1	2412	17.89	19.50		14.50	100.00
		6	2437	17.95	19.50		14.50	
		11	2462	17.83	19.50		14.50	
	802.11n-HT20 MCS0	1	2412	16.95	18.50		14.50	100.00
		6	2437	16.93	18.50		14.50	
		11	2462	17.22	19.00		14.50	

5.2GHz WLAN					Ant 7	
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	36	5180	17.18	19.00	97.46
		40	5200	17.16	19.00	
		44	5220	17.19	19.00	
	802.11n-HT20 MCS0	48	5240	17.10	19.00	97.30
		36	5180	15.90	17.50	
		40	5200	15.98	17.50	
	802.11n-HT40 MCS0	44	5220	15.94	17.50	94.92
		48	5240	16.00	17.50	
		38	5190	15.95	17.50	
	802.11ac-VHT20 MCS0	46	5230	15.97	17.50	97.41
		36	5180	15.92	17.50	
		40	5200	15.95	17.50	
	802.11ac-VHT40 MCS0	44	5220	16.04	18.00	94.46
		48	5240	15.97	17.50	
		38	5190	16.00	17.50	
	802.11ac-VHT80 MCS0	46	5230	15.97	17.50	90.32
		42	5210	15.82	17.50	

5.3GHz WLAN					Ant 7	
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	52	5280	17.00	19.00	97.46
		56	5290	17.23	19.00	
		60	5300	17.14	19.00	
		64	5320	17.01	19.00	
	802.11n-HT20 MCS0	52	5280	16.06	18.00	97.30
		56	5280	15.99	17.50	
		60	5300	16.04	18.00	
		64	5320	15.88	17.50	
	802.11n-HT40 MCS0	54	5270	15.95	17.50	94.92
		62	5310	15.89	17.50	
		52	5280	15.95	17.50	
		56	5280	16.08	18.00	
	802.11ac-VHT20 MCS0	60	5300	15.99	17.50	97.41
		64	5320	15.82	17.50	
	802.11ac-VHT40 MCS0	54	5270	15.96	17.50	94.46
		62	5310	15.92	17.50	
	802.11ac-VHT80 MCS0	58	5290	15.70	17.50	90.32

5.5GHz WLAN					Ant 7	
5.5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	100	5600	16.92	18.50	97.46
		116	5680	17.02	19.00	
		124	5620	17.09	19.00	
		132	5660	17.11	19.00	
		140	5700	17.19	19.00	
		144	5720	17.22	19.00	
	802.11n-HT20 MCS0	100	5600	15.79	17.50	97.30
		116	5680	15.82	17.50	
		124	5620	15.92	17.50	
		132	5660	15.94	17.50	
		140	5700	16.04	18.00	
		144	5720	16.08	18.00	
	802.11n-HT40 MCS0	102	5610	15.84	17.50	94.92
		110	5660	15.79	17.50	
		126	5630	15.90	17.50	
		134	5670	15.94	17.50	
		142	5710	16.01	18.00	
		100	5600	15.90	17.50	
	802.11ac-VHT20 MCS0	116	5680	15.95	17.50	97.41
		124	5620	15.96	17.50	
		132	5660	15.99	17.50	
		140	5700	16.09	18.00	
		144	5720	16.12	18.00	
		102	5610	15.83	17.50	
	802.11ac-VHT40 MCS0	110	5650	15.86	17.50	94.46
		126	5630	15.96	17.50	
		134	5670	15.98	17.50	
		142	5710	16.08	18.00	
		106	5630	15.97	17.50	
		122	5610	16.14	18.00	
	802.11ac-VHT80 MCS0	138	5690	16.20	18.00	90.32

5.8GHz WLAN					Ant 7	
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	148	5745	17.16	19.00	97.46
		157	5785	17.31	19.00	
		165	5825	17.28	19.00	
	802.11n-HT20 MCS0	149	5745	16.10	18.00	97.30
		157	5785	16.11	18.00	
		165	5825	16.09	18.00	
	802.11n-HT40 MCS0	151	5755	15.97	17.50	94.92
		159	5795	16.08	18.00	
		149	5745	16.12	18.00	
	802.11ac-VHT20 MCS0	157	5795	16.08	18.00	97.41
		165	5825	16.15	18.00	
		151	5755	16.05	18.00	
	802.11ac-VHT40 MCS0	159	5795	16.10	18.00	94.46
		155	5775	16.35	18.00	

BT BR/EDR

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	3Mbps	3Mbps
BR / EDR	CH 00	2402	8.50	5.73	5.32
	CH 39	2441	8.48	5.82	5.85
	CH 78	2480	8.35	5.67	5.84
Tune-up Limit			10	7	7

BLE_1M

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	-3.38
	CH 19	2440	-2.12
	CH 39	2480	-2.48
Tune-up Limit			-1

BLE_2M

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	-3.42
	CH 19	2440	-1.93
	CH 39	2480	-2.25
Tune-up Limit			-1.00