

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 (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	835.4	846.8		824.2	835.4	846.8	
GSM 1 Tx slot	32.54	32.54	32.47	33.50	23.64	23.54	23.47	24.60
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								
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	512	661	810		512	661	810	
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	29.35	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

Band	WCDMA II Ant1 Default				WCDMA IV Ant1 Default			WCDMA V Ant1 Default			Tune-up Limit (dBm)		
	WCDMA II	WCDMA II	WCDMA II	Tune-up Limit (dBm)	WCDMA IV	WCDMA IV	WCDMA IV	Tune-up Limit (dBm)	WCDMA V	WCDMA V		WCDMA V	
TX Channel	9362	9400	9538		1312	1413	1513		4192	4182	4233		
Rx Channel	9582	9900	9938		1537	1638	1738		4357	4407	4459		
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	838.4	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				
20	QPSK	1	49	24.07	24.09	24.19	25	0		
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	23.08	23.07	24	1		
20	QPSK	50	50	23.20	23.04	23.26				
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	1	99	22.14	22.25	22.14				
20	16QAM	50	24	22.09	22.15	22.27	23	1		
20	16QAM	50	50	21.94	21.83	22.01				
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	23	2		
20	64QAM	1	99	22.15	22.09	22.07				
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	22	3		
20	64QAM	100	0	21.12	21.22	21.09				
Channel										
Frequency (MHz)										
15	QPSK	1	0	24.21	24.26	24.17				
15	QPSK	1	37	24.14	24.15	24.12	25	0		
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	23.08	23.12				
15	16QAM	1	0	22.85	22.84	23.04	24	1		
15	16QAM	10	37	22.80	22.98	23.00				
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	23	2		
15	16QAM	36	39	21.91	21.76	21.91				
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	23	2		
15	64QAM	1	74	22.10	22.08	22.04				
15	64QAM	36	0	21.09	21.07	21.32				
15	64QAM	36	20	21.00	21.21	21.06	22	3		
15	64QAM	36	39	20.91	20.91	21.28				
15	64QAM	75	0	21.04	21.15	20.99				
Channel										
Frequency (MHz)										
10	QPSK	1	0	24.18	24.25	24.15				
10	QPSK	1	25	24.14	24.11	24.09	25	0		
10	QPSK	1	49	24.01	23.97	24.08				
10	QPSK	25	0	23.04	23.25	23.13				
10	QPSK	25	12	22.99	22.95	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	22.00	22.14	23	2		
10	16QAM	25	25	21.91	21.75	21.90				
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	23	2		
10	64QAM	1	49	22.05	22.05	22.12				
10	64QAM	25	0	21.00	21.15	21.34				
10	64QAM	25	12	21.05	21.14	21.11	22	3		
10	64QAM	25	25	20.87	20.91	21.28				
10	64QAM	50	0	20.99	21.17	20.95				
Channel										
Frequency (MHz)										
5	QPSK	1	0	24.25	24.21	24.14				
5	QPSK	1	12	24.17	24.17	24.17	25	0		
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	23.00	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	22.81	22.98	22.91				
5	16QAM	1	12	22.82	22.88	23.03	24	1		
5	16QAM	1	24	22.66	22.67	22.80				
5	16QAM	12	0	22.03	22.22	22.10				
5	16QAM	12	7	22.03	21.99	22.03	23	2		
5	16QAM	12	13	21.85	21.79	21.90				
5	16QAM	25	0	22.14	21.89	21.81				
5	64QAM	1	0	21.96	21.95	21.89				
5	64QAM	1	12	22.06	22.01	22.00	23	2		
5	64QAM	1	24	22.07	22.02	22.03				
5	64QAM	12	0	21.10	21.13	21.36				
5	64QAM	12	7	21.00	21.13	21.13	22	3		
5	64QAM	12	13	20.86	20.89	21.27				
5	64QAM	25	0	20.97	21.08	21.00				
Channel										
Frequency (MHz)										
3	QPSK	1	0	24.28	24.25	24.19				
3	QPSK	1	8	24.17	24.06	24.08	25	0		
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	23	2		
3	16QAM	8	7	21.94	21.74	21.92				
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	23	2		
3	64QAM	1	14	22.02	22.01	22.06				
3	64QAM	8	0	21.07	21.10	21.27				
3	64QAM	8	4	21.07	21.14	21.03	22	3		
3	64QAM	8	7	20.91	20.80	21.29				
3	64QAM	15	0	21.00	21.17	20.95				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	24.19	24.26	24.10				
1.4	QPSK	1	3	24.16	24.15	24.12	25	0		
1.4	QPSK	1	5	23.98	24.04	23.99				
1.4	QPSK	3	0	24.17	24.18	24.03				
1.4	QPSK	3	1	24.05	23.97	24.09				
1.4	QPSK	3	3	23.87	23.96	23.89				
1.4	QPSK	6	0	23.13	23.20	23.14	24	1		
1.4	16QAM	1	0	22.92	23.02	22.96				
1.4	16QAM	1	3	23.03	22.90	23.13				
1.4	16QAM	1	5	22.83	23.11	23.02				
1.4	16QAM	3	0	22.98	22.93	22.85	24	1		
1.4	16QAM	3	1	22.86	23.00	23.06				
1.4	16QAM	3	3	22.64	22.69	22.62				
1.4	16QAM	6	0	22.18	22.26	22.13	23	2		
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	22.03	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 4 Ant1 Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.					



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								
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	24.40	24.43	24.37		
20	QPSK	1	49	24.32	24.30	24.40	25.5	0
20	QPSK	1	99	24.20	24.35	24.17		
20	QPSK	50	0	23.34	23.44	23.27		
20	QPSK	50	24	23.18	23.11	23.27	24.5	1
20	QPSK	50	50	23.32	23.33	23.24		
20	QPSK	100	0	23.16	23.25	23.22		
20	16QAM	1	0	23.33	23.16	23.23		
20	16QAM	1	49	23.11	23.23	23.36	24.5	1
20	16QAM	1	99	23.17	23.19	23.14		
20	16QAM	50	0	22.36	22.47	22.46		
20	16QAM	50	24	22.46	22.33	22.52	23.5	2
20	16QAM	50	50	22.38	22.13	22.22		
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	22.5	3
20	64QAM	50	24	21.39	21.45	21.34		
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		
15	QPSK	1	37	24.32	24.21	24.30	25.5	0
15	QPSK	1	74	24.10	24.26	24.27		
15	QPSK	36	0	23.29	23.43	23.25		
15	QPSK	36	20	23.21	23.17	23.25	24.5	1
15	QPSK	36	39	23.33	23.29	23.32		
15	QPSK	75	0	23.24	23.24	23.25		
15	16QAM	1	0	23.20	23.25	23.18	24.5	1
15	16QAM	1	37	23.27	23.15	23.28		
15	16QAM	1	74	23.22	23.14	23.22		
15	16QAM	36	0	22.22	22.41	22.37		
15	16QAM	36	20	22.34	22.28	22.42	23.5	2
15	16QAM	36	39	22.25	22.22	22.18		
15	16QAM	75	0	22.20	22.27	22.26		
15	64QAM	1	0	22.16	22.23	22.25	23.5	2
15	64QAM	1	37	22.29	22.13	22.27		
15	64QAM	1	74	22.20	22.26	22.15		
15	64QAM	36	0	21.19	21.27	21.49	22.5	3
15	64QAM	36	20	21.25	21.37	21.22		
15	64QAM	36	39	21.16	21.25	21.51		
15	64QAM	75	0	21.20	21.27	21.30		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	24.26	24.34	24.24		
10	QPSK	1	25	24.37	24.20	24.32	25.5	0
10	QPSK	1	49	24.18	24.32	24.14		
10	QPSK	25	0	23.37	23.44	23.24		
10	QPSK	25	12	23.15	23.12	23.28	24.5	1
10	QPSK	25	25	23.29	23.33	23.21		
10	QPSK	50	0	23.27	23.25	23.25		
10	16QAM	1	0	23.24	23.13	23.28	24.5	1
10	16QAM	1	25	23.29	23.14	23.22		
10	16QAM	1	49	23.15	23.29	23.24		
10	16QAM	25	0	22.27	22.40	22.42		
10	16QAM	25	12	22.33	22.19	22.40	23.5	2
10	16QAM	25	25	22.41	22.29	22.27		
10	16QAM	50	0	22.33	22.25	22.35		
10	64QAM	1	0	22.26	22.25	22.29	23.5	2
10	64QAM	1	25	22.27	22.28	22.31		
10	64QAM	1	49	22.22	22.29	22.16		
10	64QAM	25	0	21.19	21.24	21.45	22.5	3
10	64QAM	25	12	21.31	21.33	21.22		
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	2538	2567.5		
5	QPSK	1	0	24.26	24.30	24.27		
5	QPSK	1	12	24.32	24.19	24.32	25.5	0
5	QPSK	1	24	24.17	24.20	24.10		
5	QPSK	12	0	23.24	23.29	23.17		
5	QPSK	12	7	23.17	23.27	23.31	24.5	1
5	QPSK	12	13	23.34	23.35	23.29		
5	QPSK	25	0	23.22	23.27	23.28		
5	16QAM	1	0	23.28	23.23	23.29	24.5	1
5	16QAM	1	12	23.25	23.10	23.23		
5	16QAM	1	24	23.24	23.13	23.21		
5	16QAM	12	0	22.30	22.43	22.41	23.5	2
5	16QAM	12	7	22.42	22.21	22.47		
5	16QAM	12	13	22.30	22.29	22.15		
5	16QAM	25	0	22.28	22.21	22.24		
5	64QAM	1	0	22.13	22.24	22.23	23.5	2
5	64QAM	1	12	22.28	22.15	22.36		
5	64QAM	1	24	22.13	22.25	22.21		
5	64QAM	12	0	21.28	21.30	21.52	22.5	3
5	64QAM	12	7	21.29	21.37	21.21		
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								
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	24.51	24.70	24.54		
10	QPSK	1	25	24.45	24.52	24.39	25.5	0
10	QPSK	1	49	24.31	24.32	24.32		
10	QPSK	25	0	23.41	23.52	23.46		
10	QPSK	25	12	23.36	23.44	23.38	24.5	1
10	QPSK	25	25	23.41	23.48	23.46		
10	QPSK	50	0	23.38	23.44	23.35		
10	16QAM	1	0	23.38	23.36	23.32		
10	16QAM	1	25	23.50	23.47	23.51	24.5	1
10	16QAM	1	49	23.63	23.66	23.64		
10	16QAM	25	0	22.47	22.40	22.44		
10	16QAM	25	12	22.43	22.42	22.59	23.5	2
10	16QAM	25	25	22.51	22.52	22.51		
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	22.5	3
10	64QAM	25	12	21.40	21.34	21.45		
10	64QAM	25	25	21.47	21.41	21.48		
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		
5	QPSK	1	12	24.41	24.40	24.28	25.5	0
5	QPSK	1	24	24.44	24.39	24.49		
5	QPSK	12	0	23.38	23.39	23.41		
5	QPSK	12	7	23.20	23.32	23.33	24.5	1
5	QPSK	12	13	23.32	23.33	23.41		
5	QPSK	25	0	23.29	23.40	23.27		
5	16QAM	1	0	23.34	23.21	23.46	24.5	1
5	16QAM	1	12	23.41	23.43	23.37		
5	16QAM	1	24	23.58	23.57	23.51		
5	16QAM	12	0	22.38	22.27	22.41		
5	16QAM	12	7	22.35	22.32	22.38	23.5	2
5	16QAM	12	13	22.39	22.38	22.38		
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	22.5	3
5	64QAM	12	7	21.32	21.23	21.34		
5	64QAM	12	13	21.44	21.28	21.34		
5	64QAM	25	0	21.63	21.29	21.42		
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				700.5	707.5	713.5		
3	QPSK	1	0	24.40	24.51	24.29		
3	QPSK	1	8	24.32	24.44	24.33	25.5	0
3	QPSK	1	14	24.46	24.35	24.52		
3	QPSK	8	0	23.30	23.40	23.35		
3	QPSK	8	4	23.43	23.31	23.29	24.5	1
3	QPSK	8	7	23.37	23.43	23.40		



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	23.84	23.74			24.5	1
10	QPSK	25	12	23.76	23.76	23.76				
10	QPSK	25	25	23.77	23.79	23.70				
10	QPSK	50	0	23.50	23.56	23.41				
10	16QAM	1	0	23.54	23.57	23.55			24.5	1
10	16QAM	1	25	23.72	23.74	23.77				
10	16QAM	1	49	23.89	23.79	23.91				
10	16QAM	25	0	22.61	22.60	22.64			23.5	2
10	16QAM	25	12	22.57	22.50	22.52				
10	16QAM	25	25	22.71	22.46	22.50				
10	16QAM	50	0	22.60	22.51	22.58				
10	84QAM	1	0	22.60	22.53	22.58			23.5	2
10	84QAM	1	25	22.63	22.51	22.70				
10	84QAM	1	49	22.69	22.59	22.54				
10	84QAM	25	0	21.53	21.57	21.57			22.5	3
10	84QAM	25	12	21.74	21.77	21.69				
10	84QAM	25	25	21.67	21.74	21.65				
10	84QAM	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	24.60	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	23.44	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	23.82	23.68	23.81				
5	16QAM	12	0	22.53	22.49	22.51			23.5	2
5	16QAM	12	7	22.49	22.40	22.46				
5	16QAM	12	13	22.63	22.35	22.46				
5	16QAM	25	0	22.46	22.36	22.44			23.5	2
5	84QAM	1	0	22.55	22.49	22.48				
5	84QAM	1	12	22.53	22.43	22.65			23.5	2
5	84QAM	1	24	22.64	22.53	22.44				
5	84QAM	12	0	21.42	21.46	21.50			22.5	3
5	84QAM	12	7	21.65	21.64	21.64				
5	84QAM	12	13	21.54	21.65	21.58				
5	84QAM	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				26755	26855	26955				
Frequency (MHz)				817.5	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	23.84	23.81	23.78				
15	QPSK	36	39	23.84	23.86	23.89				
15	QPSK	75	0	23.74	23.80	23.58				
15	16QAM	1	0	23.71	23.71	23.89			24.5	1
15	16QAM	1	37	23.71	23.71	23.61				
15	16QAM	1	74	23.84	23.72	23.77				
15	16QAM	36	0	22.86	22.84	22.81			23.5	2
15	16QAM	36	20	22.99	22.98	22.83				
15	16QAM	36	39	22.72	22.73	22.73				
15	16QAM	75	0	22.71	22.63	22.69				
15	84QAM	1	0	22.86	22.80	22.73			23.5	2
15	84QAM	1	37	22.75	22.77	22.74				
15	84QAM	1	74	22.69	22.64	22.72				
15	84QAM	36	0	21.82	21.66	21.88			22.5	3
15	84QAM	36	20	21.88	21.76	21.84				
15	84QAM	36	39	21.84	21.82	21.79				
15	84QAM	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				
10	16QAM	1	0	23.62	23.62	23.86			24.5	1
10	16QAM	1	25	23.81	23.56	23.50				
10	16QAM	1	49	23.54	23.63	23.73				
10	16QAM	25	0	22.53	22.58	22.66			23.5	2
10	16QAM	25	12	22.53	22.44	22.80				
10	16QAM	25	25	22.59	22.58	22.59				
10	16QAM	50	0	22.62	22.51	22.65			23.5	2
10	84QAM	1	0	22.81	22.68	22.64				
10	84QAM	1	25	22.67	22.66	22.66			23.5	2
10	84QAM	1	49	22.56	22.55	22.62				
10	84QAM	25	0	21.70	21.61	21.73			22.5	3
10	84QAM	25	12	21.81	21.67	21.73				
10	84QAM	25	25	21.52	21.49	21.65				
10	84QAM	50	0	21.63	21.60	21.59				
Channel				26715	26855	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			23.5	2
5	16QAM	12	0	22.62	22.50	22.69				
5	16QAM	12	7	22.62	22.47	22.62				
5	16QAM	12	13	22.62	22.68	22.69				
5	16QAM	25	0	22.56	22.50	22.58			23.5	2
5	84QAM	1	0	22.83	22.76	22.63				
5	84QAM	1	12	22.88	22.63	22.62			23.5	2
5	84QAM	1	24	22.62	22.67	22.65				
5	84QAM	12	0	21.69	21.60	21.75			22.5	3
5	84QAM	12	7	21.80	21.65	21.73				
5	84QAM	12	13	21.53	21.48	21.71				
5	84QAM	25	0	21.61	21.64	21.58				
Channel				26705	26855	27025	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				816.5	831.5	847.5				
3	QPSK	1	0	24.45	24.52	24.53			25.5	0
3	QPSK	1	12	24.44	24.41	24.31				
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	23.85	23.82	23.49				
3	16QAM	1	14	23.53	23.62	23.70			23.5	2
3	16QAM	8	0	22.54	22.52	22.76				
3	16QAM	8	4	22.55	22.49	22.50				
3	16QAM	8	7	22.62	22.68	22.64				



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

Band 41 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				39750	40185	40620				
Frequency (MHz)				2506	2549.5	2593				
20	QPSK	1	0	24.38	24.46	24.48	25.5	0		
20	QPSK	1	49	24.33	24.42	24.44				
20	QPSK	1	99	24.18	24.28	24.39				
20	QPSK	50	0	23.27	23.33	23.50	24.5	1		
20	QPSK	50	24	23.35	23.36	23.43				
20	QPSK	50	50	23.29	23.44	23.46				
20	QPSK	100	0	23.47	23.61	23.70	24.5	1		
20	16QAM	1	0	23.34	23.45	23.45				
20	16QAM	1	49	23.42	23.54	23.60				
20	16QAM	1	99	23.37	23.37	23.50	23.5	2		
20	16QAM	50	0	22.49	22.50	22.58				
20	16QAM	50	24	22.37	22.44	22.58				
20	16QAM	50	50	22.33	22.37	22.54	23.5	2		
20	16QAM	100	0	22.23	22.31	22.40				
20	64QAM	1	0	22.23	22.37	22.33				
20	64QAM	1	49	22.34	22.41	22.42	23.5	2		
20	64QAM	1	99	22.24	22.24	22.35				
20	64QAM	50	0	21.59	21.65	21.71				
20	64QAM	50	24	21.37	21.50	21.60	22.5	3		
20	64QAM	50	50	21.48	21.48	21.58				
20	64QAM	100	0	21.39	21.44	21.61				
Channel				39725	40173	40620	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2503.5	2548.3	2593				
15	QPSK	1	0	24.28	24.34	24.40	25.50	0		
15	QPSK	1	37	24.28	24.36	24.35				
15	QPSK	1	74	24.20	24.33	24.40				
15	QPSK	36	0	23.30	23.33	23.53	24.5	1		
15	QPSK	36	20	23.24	23.27	23.34				
15	QPSK	36	39	23.35	23.41	23.47				
15	QPSK	75	0	23.37	23.54	23.58	24.5	1		
15	16QAM	1	0	23.25	23.33	23.34				
15	16QAM	1	37	23.33	23.41	23.56				
15	16QAM	1	74	23.23	23.26	23.41	23.5	2		
15	16QAM	36	0	22.39	22.44	22.50				
15	16QAM	36	20	22.28	22.36	22.51				
15	16QAM	36	39	22.28	22.27	22.45	23.5	2		
15	16QAM	75	0	22.35	22.32	22.41				
15	64QAM	1	0	22.31	22.44	22.38				
15	64QAM	1	37	22.43	22.51	22.50	23.5	2		
15	64QAM	1	74	22.29	22.29	22.38				
15	64QAM	36	0	21.49	21.56	21.64				
15	64QAM	36	20	21.24	21.44	21.47	22.5	3		
15	64QAM	36	39	21.40	21.44	21.52				
15	64QAM	75	0	21.29	21.34	2				



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			
20	QPSK	1	49	21.07	21.03	21.06			
20	QPSK	1	99	21.08	21.10	21.08		23	0
20	QPSK	50	0	20.29	20.31	20.27			
20	QPSK	50	24	20.29	20.31	20.27			
20	QPSK	50	50	20.11	20.16	20.15		22	1
20	QPSK	100	0	20.24	20.29	20.25			
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	19.21	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	84QAM	1	0	19.12	19.18	19.14			
20	84QAM	1	49	19.15	19.11	19.15			
20	84QAM	1	99	19.08	19.15	19.13		21	2
20	84QAM	50	0	18.30	18.27	18.26			
20	84QAM	50	24	18.25	18.19	18.17			
20	84QAM	50	50	18.20	18.21	18.23		20	3
20	84QAM	100	0	18.24	18.22	18.23			
Channel									
Frequency (MHz)									
15	QPSK	1	0	21.00	21.08	21.07			
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	75	0	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			
15	16QAM	36	39	19.18	19.19	19.14		21	2
15	16QAM	75	0	19.05	19.15	19.16			
15	84QAM	1	0	19.05	19.13	19.08			
15	84QAM	1	37	19.08	19.04	19.08		21	2
15	84QAM	1	74	19.02	19.08	19.06			
15	84QAM	36	0	18.24	18.22	18.17			
15	84QAM	36	20	18.17	18.10	18.08			
15	84QAM	36	39	18.15	18.12	18.17		20	3
15	84QAM	75	0	18.16	18.16	18.14			
Channel									
Frequency (MHz)									
10	QPSK	1	0	21.01	21.09	21.09			
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	19.19	19.15	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	84QAM	1	0	19.04	19.10	19.09			
10	84QAM	1	25	19.08	19.02	19.09		21	2
10	84QAM	1	49	19.01	19.02	19.06			
10	84QAM	25	0	18.24	18.20	18.18			
10	84QAM	25	12	18.16	18.13	18.09		20	3
10	84QAM	25	25	18.11	18.15	18.15			
10	84QAM	50	0	18.16	18.16	18.17			
Channel									
Frequency (MHz)									
5	QPSK	1	0	21.03	21.08	21.05			
5	QPSK	1	12	21.01	21.03	21.03			
5	QPSK	1	24	21.04	21.04	21.01		23	0
5	QPSK	12	0	20.23	20.20	20.25			
5	QPSK	12	7	20.01	20.09	20.15			
5	QPSK	12	13	20.03	20.08	20.10		22	1
5	QPSK	25	0	20.22	20.22	20.24			
5	16QAM	1	0	20.20	20.15	20.13			
5	16QAM	1	12	20.08	20.12	20.18		22	1
5	16QAM	1	24	20.07	20.10	20.08			
5	16QAM	12	0	19.23	19.23	19.19			
5	16QAM	12	7	19.20	19.13	19.18		21	2
5	16QAM	12	13	19.17	19.17	19.11			
5	16QAM	25	0	19.20	19.20	19.16			
5	84QAM	1	0	19.06	19.13	19.09			
5	84QAM	1	12	19.09	19.05	19.08		21	2
5	84QAM	1	24	19.06	19.08	19.07			
5	84QAM	12	0	18.25	18.21	18.18			
5	84QAM	12	7	18.19	18.10	18.12		20	3
5	84QAM	12	13	18.16	18.15	18.16			
5	84QAM	25	0	18.18	18.17	18.16			
Channel									
Frequency (MHz)									
3	QPSK	1	0	21.00	21.10	21.05			
3	QPSK	1	8	21.05	21.05	21.00			
3	QPSK	1	14	21.01	21.03	21.00		23	0
3	QPSK	6	0	20.21	20.21	20.25			
3	QPSK	6	20	20.09	20.09	20.14			
3	QPSK	6	7	20.03	20.10	20.07		22	1
3	QPSK	15	0	20.25	20.18	20.23			
3	16QAM	1	0	20.19	20.14	20.12			
3	16QAM	1	8	20.11	20.11	20.17		22	1
3	16QAM	1	14	20.06	20.09	20.08			
3	16QAM	6	0	19.23	19.22	19.18			
3	16QAM	6	4	19.19	19.15	19.17		21	2
3	16QAM	6	7	19.17	19.16	19.11			
3	16QAM	15	0	19.30	19.22	19.18			
3	84QAM	1	0	19.07	19.12	19.06			
3	84QAM	1	8	19.09	19.03	19.09		21	2
3	84QAM	1	14	19.02	19.07	19.05			
3	84QAM	6	0	18.23	18.19	18.19			
3	84QAM	6	4	18.16	18.13	18.08		20	3
3	84QAM	6	7	18.12	18.13	18.15			
3	84QAM	15	0	18.16	18.15	18.17			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	21.00	21.06	21.06			
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		23	0
1.4	QPSK	3	1	21.03	21.09	21.09			
1.4	QPSK	3	3	21.03	21.03	21.01			
1.4	QPSK	6	0	20.24	20.22	20.24		22	1
1.4	16QAM	1	0	20.19	20.14	20.14			
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		22	1
1.4	16QAM	3	1	20.19	20.17	20.14			
1.4	16QAM	3	3	20.09	20.12	20.19			
1.4	16QAM	6	0	19.16	19.21	19.16		21	2
1.4	84QAM	1	0	19.07	19.11	19.05			
1.4	84QAM	1	3	19.09	19.04	19.08			
1.4	84QAM	1	5	19.02	19.09	19.06		21	2
1.4	84QAM	3	0	19.06	19.12	19.06			
1.4	84QAM	3	1	19.06	19.03	19.09			
1.4	84QAM	3	3	19.03	19.09	19.05			
1.4	84QAM	6	0	18.15	18.15	18.16		20	3

Band 7 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	21.28	21.34	21.23			
20	QPSK	1	49	21.08	21.21	21.18		23	0
20	QPSK	1	99	21.08	21.14	21.04			
20	QPSK	50	0	20.35	20.39	20.25			
20	QPSK	50	24	20.17	20.28	20.17		22	1
20	QPSK	50	50	20.21	20.25	20.10			
20	QPSK								



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				
20	QPSK	1	49	21.10	21.21	21.13	23	0		
20	QPSK	1	99	21.13	21.24	21.15				
20	QPSK	50	0	20.32	20.38	20.35				
20	QPSK	50	24	20.18	20.26	20.19				
20	QPSK	50	50	20.21	20.27	20.19	22	1		
20	QPSK	100	0	20.15	20.24	20.14				
20	16QAM	1	0	20.22	20.27	20.16				
20	16QAM	1	49	20.31	20.38	20.28	22	1		
20	16QAM	1	99	20.18	20.29	20.19				
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	19.18	19.07				
20	64QAM	50	0	18.26	18.37	18.32				
20	64QAM	50	24	18.34	18.38	18.25				
20	64QAM	50	50	18.23	18.36	18.22	20	3		
20	64QAM	100	0	18.27	18.34	18.22				
Channel				37825	38000	38175				
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	21.07	21.28	21.06				
15	QPSK	1	37	21.03	21.12	21.13	23	0		
15	QPSK	1	74	21.08	21.10	21.10				
15	QPSK	36	0	20.21	20.24	20.24				
15	QPSK	36	20	20.11	20.11	20.12				
15	QPSK	36	39	20.15	20.17	20.10	22	1		
15	QPSK	75	0	20.04	20.19	20.03				
15	16QAM	1	0	20.10	20.22	20.07				
15	16QAM	1	37	20.27	20.23	20.24	22	1		
15	16QAM	1	74	20.07	20.16	20.15				
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				
15	64QAM	36	39	18.16	18.32	18.08	20	3		
15	64QAM	75	0	18.19	18.19	18.15				
Channel				37800	38000	38200				
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	21.15	21.22	21.11				
10	QPSK	1	25	21.04	21.08	21.00	23	0		
10	QPSK	1	49	21.02	21.10	21.10				
10	QPSK	25	0	20.23	20.32	20.25				
10	QPSK	25	12	20.12	20.22	20.06				
10	QPSK	25	25	20.18	20.15	20.06	22	1		
10	QPSK	50	0	20.05	20.21	20.01				
10	16QAM	1	0	20.18	20.19	20.13				
10	16QAM	1	25	20.20	20.28	20.17	22	1		
10	16QAM	1	49	20.13	20.14	20.06				
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				
10	64QAM	25	25	18.19	18.23	18.10	20	3		
10	64QAM	50	0	18.17	18.27	18.10				
Channel				37775	38000	38225				
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	21.05	21.19	21.12				
5	QPSK	1	12	21.02	21.16	21.07	23	0		
5	QPSK	1	24	21.22	21.10	21.03				
5	QPSK	12	0	20.23	20.24	20.30				
5	QPSK	12	7	20.05	20.15	20.06				
5	QPSK	12	13	20.18	20.16	20.15	22	1		
5	QPSK	25	0	20.06	20.19	20.03				
5	16QAM	1	0	20.15	20.19	20.12				
5	16QAM	1	12	20.27	20.27	20.21	22	1		
5	16QAM	1	24	20.11	20.15	20.09				
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				
5	64QAM	12	13	18.14	18.25	18.15	20	3		
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		
20	QPSK	1	49	21.25	21.28	21.31	21.25	21.19	23	0
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		
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	22	1
20	QPSK	100	0	20.18	20.26	20.33	20.29	20.22		
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	22	1
20	16QAM	1	99	20.19	20.19	20.31	20.24	20.25		
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	64QAM	50	50	18.17	18.17	18.26	18.21	18.14	20	3
20	64QAM	100	0	18.10	18.19	18.24	18.16	18.13		
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	21.15	21.14	21.31	21.06	21.18		
15	QPSK	1	37	21.14	21.15	21.20	21.15	21.06	23.00	0
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		
15	QPSK	36	20	20.10	20.22	20.27	20.17	20.13		
15	QPSK	36	39	20.08	20.08	20.21	20.10	20.21	22	1
15	QPSK	75	0	20.15	20.11	20.20	20.23	20.12		
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</		



GSM850 Ant4 Default

GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8	33.50	824.2	836.4	848.8	24.50
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 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8	30.50	1850.2	1880	1909.8	21.50
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	23.37	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	9262	9400	9538	25.00	1312	1413	1513	25.00	4132	4182	4233	25.50	
Rx Channel	9662	9800	9938	24.00	1637	1638	1738	24.00	4357	4407	4458	24.50	
Frequency (MHz)	1852.4	1880	1907.6	25.00	1712.4	1732.6	1752.6	24.00	826.4	836.4	846.6	24.50	
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	AMR 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	23.66	23.53	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				1890	1890	1900				
Frequency (MHz)				1890	1890	1900				
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	24	1		
20	QPSK	50	50	23.23	23.27	23.20				
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	22.45	22.29	23	2		
20	16QAM	50	50	22.24	22.27	22.36				
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				18675	18800	19125	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				18675	18800	19025				
15	QPSK	1	0	24.25	24.31	24.29				
15	QPSK	1	37	24.17	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	24	1		
15	QPSK	36	39	23.08	23.22	23.15				
15	QPSK	75	0	23.11	23.25	23.15				
15	16QAM	1	0	23.27	23.14	23.15				
15	16QAM	1	37	22.98	23.08	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	22.41	22.22	23	2		
15	16QAM	36	39	22.11	22.15	22.28				
15	16QAM	75	0	21.76	21.80	21.72				
15	64QAM	1	0	22.32	22.27	22.39	21	2		
15	64QAM	1	37	22.02	22.29	22.11				
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				18550	18800	19150	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				18550	18800	19050				
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	24	1		
10	QPSK	25	25	23.08	23.20	23.07				
10	QPSK	50	0	23.09	23.28	23.14				
10	16QAM	1	0	23.25	23.15	23.20				
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	22.37	22.45				
10	16QAM	25	12	22.09	22.28	22.18	23	2		
10	16QAM	25	25	22.16	22.23	22.25				
10	16QAM	50	0	21.76	21.89	21.74				
10	64QAM	1	0	22.21	22.33	22.21	23	2		
10	64QAM	1	25	22.04	22.21	22.19				
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	21.43	22	3		
10	64QAM	25	25	21.41	21.37	21.72				
10	64QAM	50	0	21.46	21.43	21.36				
Channel				18625	18800	19175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				18625	18800	19075				
5	QPSK	1	0	24.28	24.30	24.25				
5	QPSK	1	12	24.19	24.18	24.26	25	0		
5	QPSK	1	24	24.07	24.11	24.27				
5	QPSK	12	0	23.28	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	23.28	23.15	23.18				
5	16QAM	1	12	23.04	23.08	23.12	24	1		
5	16QAM	1	24	23.11	23.06	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	21.84	21.74				
5	64QAM	1	0	22.21	22.24	22.29	23	2		
5	64QAM	1	12	21.98	22.24	22.18				
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	21.40	21.32				
5	64QAM	25	0	21.50	21.40	21.43				
Channel				18615	18800	19183	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				18615	18800	19083				
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	24	1		
3	QPSK	8	7	23.11	23.25	23.07				
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	22.29	22.41				
3	16QAM	8	4	22.09	22.32	22.14	23	2		
3	16QAM	8	7	22.11	22.17	22.24				
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	21.43	21.40	21.71				
3	64QAM	15	0	21.42	21.37	21.39				
Channel				18607	18800	19193	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				18607	18800	19093				
1.4	QPSK	1	0	24.25	24.26	24.24				
1.4	QPSK	1	3	24.23	24.10	24.25	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	23.23	23.22				
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	23.11	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	22.49	22.40	22.49	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	22.26	22.14				
1.4	64QAM	3	3	22.09	22.20	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				20950	20775	20389				
Frequency (MHz)				20950	20775	20389				
20	QPSK	1	0	24.10	24.25	24.10				
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	23.25	23.14				
20	QPSK	50	24	23.03	23.29	23.14	24	1		
20	QPSK	50	50	23.08	23.20	23.14				
20	QPSK	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				



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								
Frequency (MHz)				2505	2535	2565		
20	QPSK	1	0	24.28	24.40	24.37		
20	QPSK	1	49	24.07	24.08	24.13	25.5	0
20	QPSK	1	99	24.19	24.07	24.15		
20	QPSK	50	0	23.20	23.29	23.18		
20	QPSK	50	24	23.18	23.25	23.20	24.5	1
20	QPSK	50	50	22.99	22.99	23.13		
20	QPSK	100	0	22.95	23.26	23.20		
20	16QAM	1	0	23.09	23.00	23.08		
20	16QAM	1	49	23.14	23.00	23.02	24.5	1
20	16QAM	1	99	22.97	22.91	23.04		
20	16QAM	50	0	22.49	22.36	22.59		
20	16QAM	50	24	22.35	22.41	22.34	23.5	2
20	16QAM	50	50	22.59	22.53	22.69		
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	23.5	2
20	64QAM	1	99	22.15	22.07	21.99		
20	64QAM	50	0	21.26	21.31	21.42	24.5	1
20	64QAM	50	24	21.48	21.64	21.50		
20	64QAM	50	50	21.38	21.15	21.37	22.5	3
20	64QAM	100	0	20.94	21.06	20.99		
Channel								
Frequency (MHz)				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	24.06	24.21	24.23		
15	QPSK	1	37	23.85	24.09	24.05	25.5	0
15	QPSK	1	74	24.11	23.89	24.02		
15	QPSK	36	0	23.13	23.24	23.14		
15	QPSK	36	20	23.03	22.96	23.00	24.5	1
15	QPSK	36	39	22.82	22.92	23.12		
15	QPSK	75	0	22.80	23.25	23.04		
15	16QAM	1	0	23.02	22.80	22.96		
15	16QAM	1	37	22.94	23.01	23.03	24.5	1
15	16QAM	1	74	22.88	22.82	22.91		
15	16QAM	36	0	22.30	22.39	22.58		
15	16QAM	36	20	22.29	22.57	22.33	23.5	2
15	16QAM	36	39	22.60	22.54	22.51		
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	20.99	21.35		
15	64QAM	75	0	20.82	21.01	20.82		
Channel								
Frequency (MHz)				20900	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	24.26	24.28	24.36		
10	QPSK	1	25	23.97	24.06	24.00	25.5	0
10	QPSK	1	49	23.97	23.97	24.16		
10	QPSK	25	0	23.13	23.27	23.22		
10	QPSK	25	12	23.02	23.00	23.06	24.5	1
10	QPSK	25	25	22.96	22.86	22.93		
10	QPSK	50	0	22.96	23.15	23.13		
10	16QAM	1	0	23.02	22.78	22.93		
10	16QAM	1	25	23.04	22.85	22.80	24.5	1
10	16QAM	1	49	22.84	22.79	22.82		
10	16QAM	25	0	22.16	22.34	22.31		
10	16QAM	25	12	22.12	22.38	22.03	23.5	2
10	16QAM	25	25	22.03	21.96	22.12		
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	23.5	2
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	22.5	3
10	64QAM	25	25	21.35	21.07	21.49		
10	64QAM	50	0	20.88	20.94	20.78		
Channel								
Frequency (MHz)				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		
5	QPSK	1	12	23.86	23.91	23.96	25.5	0
5	QPSK	1	24	23.99	23.91	24.07		
5	QPSK	12	0	23.01	23.21	23.08		
5	QPSK	12	7	23.07	23.04	23.07	24.5	1
5	QPSK	12	13	22.92	22.96	23.03		
5	QPSK	25	0	22.78	23.20	23.17		
5	16QAM	1	0	23.11	22.89	22.89	24.5	1
5	16QAM	1	24	22.83	22.84	22.84		
5	16QAM	12	0	22.23	22.27	22.34		
5	16QAM	12	7	22.05	22.33	21.91	23.5	2
5	16QAM	12	13	22.26	22.26	22.25		
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	22.5	3
5	64QAM	12	13	21.31	21.07	21.14		
5	64QAM	25	0	20.63	20.65	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								
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	25.07	25.27	25.10		
10	QPSK	1	25	25.04	25.15	25.14	25.5	0
10	QPSK	1	49	25.00	25.07	25.04		
10	QPSK	25	0	24.07	24.27	24.09		
10	QPSK	25	12	24.06	24.21	24.04	24.5	1
10	QPSK	25	25	24.23	24.22	23.99		
10	QPSK	50	0	24.10	24.16	24.15		
10	16QAM	1	0	24.18	24.25	24.18		
10	16QAM	1	25	24.39	24.48	24.28	24.5	1
10	16QAM	1	49	24.42	24.33	24.22		
10	16QAM	25	0	23.10	23.01	23.27		
10	16QAM	25	12	23.29	23.29	23.17	23.5	2
10	16QAM	25	25	23.29	23.13	23.16		
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	23.29	23.15	23.31		
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								
Frequency (MHz)				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		
5	QPSK	1	12	24.82	25.13	24.92	25.5	0
5	QPSK	1	24	24.95	24.85	25.05		
5	QPSK	12	0	23.86	24.19	23.98		
5	QPSK	12	7	23.92	24.02	24.01	24.5	1
5	QPSK	12	13	24.11	24.14	23.84		
5	QPSK	25	0	24.08	23.98	24.07		
5	16QAM	1	0	24.16	24.22	24.14		
5	16QAM	1	12	24.25	24.26	24.15	24.5	1
5	16QAM	1	24	24.39	24.34	24.17		
5	16QAM	12	0	22.97	22.85	23.14		
5	16QAM	12	7	23.16	23.15	23.04	23.5	2
5	16QAM	12	13	23.29	22.96	23.09		
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		
5	64QAM	12	13	22.14	21.88	22.16	22.5	3
5	64QAM	25	0	21.84	22.10	21.85		
Channel								
Frequency (MHz)				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				700.5	707.5	713.5		
3	QPSK	1	0	25.05	25.10	24.97		
3	QPSK	1	8	24.86	24.96	25.04	25.5	0
3	QPSK	1	14	24.93	24.85	24.92		
3	QPSK	8	0	24.01	24.06	23.95		
3	QPSK	8	4	23.90	24.16	23.96	24.5	1
3	QPSK	8	7	24.11	24.11	23.87		



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									
Frequency (MHz)				23760	23790	23800			
				700	710	711			
10	QPSK	1	0	25.19	25.26	25.13			
10	QPSK	1	25	25.20	25.22	25.15			25.5
10	QPSK	1	49	25.12	25.03	25.05			0
10	QPSK	25	0	24.20	24.34	24.12			
10	QPSK	25	12	24.15	24.21	24.23			24.5
10	QPSK	25	25	24.23	24.24	24.23			1
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
10	16QAM	1	49	24.40	24.42	24.37			1
10	16QAM	25	0	23.29	23.13	23.31			
10	16QAM	25	12	23.25	23.09	23.25			23.5
10	16QAM	25	25	23.25	23.26	23.10			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
10	64QAM	1	49	23.27	23.27	23.40			2
10	64QAM	25	0	22.17	22.21	22.12			
10	64QAM	25	12	22.25	22.33	22.28			22.5
10	64QAM	25	25	22.11	22.19	22.10			3
10	64QAM	50	0	22.07	22.15	22.14			
Channel									
Frequency (MHz)				23755	23790	23825			
				705.5	710	715.5			
5	QPSK	1	0	24.99	25.13	25.00			
5	QPSK	1	12	25.14	25.18	25.03			25.5
5	QPSK	1	24	24.93	24.86	25.05			0
5	QPSK	12	0	24.08	24.01	24.04			
5	QPSK	12	7	24.02	24.36	24.07			24.5
5	QPSK	12	13	24.02	24.03	24.07			1
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
5	16QAM	1	24	24.35	24.27	24.24			1
5	16QAM	12	0	23.31	22.99	23.10			
5	16QAM	12	7	23.09	22.89	23.22			23.5
5	16QAM	12	13	23.17	23.24	23.04			2
5	16QAM	25	0	23.15	23.10	22.98			
5	64QAM	1	0	23.08	23.18	23.19			
5	64QAM	1	12	23.28	23.31	23.21			23.5
5	64QAM	1	24	23.23	23.21	23.27			2
5	64QAM	12	0	22.18	22.13	22.12			
5	64QAM	12	7	22.16	22.34	22.12			22.5
5	64QAM	12	13	21.96	22.20	22.04			3
5	64QAM	25	0	22.07	22.02	22.00			

Band 26 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)				26755	26855	26955			
				819.5	831.5	843.5			
15	QPSK	1	0	25.23	25.34	25.11			
15	QPSK	1	37	25.19	25.29	25.20			25.5
15	QPSK	1	74	25.11	25.18	25.08			0
15	QPSK	36	0	24.32	24.39	24.16			
15	QPSK	36	20	24.38	24.25	24.38			24.5
15	QPSK	36	39	24.37	24.21	24.13			1
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
15	16QAM	1	74	24.30	24.31	24.08			1
15	16QAM	36	0	23.32	23.30	23.31			
15	16QAM	36	20	23.46	23.26	23.39			23.5
15	16QAM	36	39	23.29	23.24	23.30			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
15	64QAM	1	74	23.20	23.29	23.09			2
15	64QAM	36	0	22.30	22.29	22.14			
15	64QAM	36	20	22.24	22.19	22.25			22.5
15	64QAM	36	39	22.36	22.30	22.13			3
15	64QAM	75	0	22.00	22.26	22.14			
Channel									
Frequency (MHz)				26740	26865	26990			
				819	831.5	844			
10	QPSK	1	0	25.09	25.22	25.07			
10	QPSK	1	25	25.08	25.17	25.00			25.5
10	QPSK	1	49	25.01	25.01	25.06			0
10	QPSK	25	0	24.23	24.18	24.12			
10	QPSK	25	12	24.33	24.07	24.27			24.5
10	QPSK	25	25	24.21	24.15	24.08			1
10	QPSK	50	0	24.09	24.23	24.13			
10	16QAM	1	0	23.32	23.34	23.33			
10	16QAM	1	25	24.05	24.02	24.19			24.5
10	16QAM	1	49	24.24	24.25	23.96			1
10	16QAM	25	0	23.26	23.30	23.25			
10	16QAM	25	12	23.41	23.12	23.39			23.5
10	16QAM	25	25	23.18	23.17	23.20			2
10	16QAM	50	0	23.20	23.24	23.23			
10	64QAM	1	0	23.14	23.22	23.00			
10	64QAM	1	25	22.80	23.05	23.11			23.5
10	64QAM	1	49	23.17	23.18	22.97			2
10	64QAM	25	0	22.21	22.22	22.13			
10	64QAM	25	12	22.09	22.04	22.10			22.5
10	64QAM	25	25	22.15	22.09	21.91			3
10	64QAM	50	0	21.93	22.20	21.93			
Channel									
Frequency (MHz)				26715	26865	27015			
				816.5	831.5	846.5			
5	QPSK	1	0	25.19	25.31	24.93			
5	QPSK	1	12	25.10	25.10	25.01			25.5
5	QPSK	1	24	24.93	25.20	24.87			0
5	QPSK	12	0	24.13	24.29	23.95			
5	QPSK	12	7	24.33	24.26	24.22			24.5
5	QPSK	12	13	24.27	24.07	24.07			1
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
5	16QAM	1	24	24.11	24.14	24.05			1
5	16QAM	12	0	23.20	23.31	23.12			
5	16QAM	12	7	23.44	23.26	23.34			23.5
5	16QAM	12	13	23.21	23.09	23.29			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
5	64QAM	1	24	23.11	23.08	23.04			2
5	64QAM	12	0	22.13	22.15	21.94			
5	64QAM	12	7	22.21	21.97	22.24			22.5
5	64QAM	12	13	22.21	22.31	22.15			3
5	64QAM	25	0	21.98	22.06	21.99			
Channel									
Frequency (MHz)				26705	26865	27025			
				816.5	831.5	847.5			
3	QPSK	1	0	25.23	25.22	24.90			
3	QPSK	1	12	25.07	25.07	25.12			25.5
3	QPSK	1	14	25.06	25.16	25.01			0
3	QPSK	8	0	24.18	24.28	24.00			
3	QPSK	8	4	24.37	24.05	24.35			24.5
3	QPSK	8	7	24.26	24.05	23.91			1
3	QPSK	15	0	24.15	24.24	24.15			
3	16QAM	1	0	24.31	24.07	24.32			
3	16QAM	1	8	23.97	24.22	24.23			24.5
3	16QAM	1	14	24.25	24.18	24.05			1
3	16QAM	8	0	23.34	23.30	23.11			
3	16QAM	8	4	23.47	23.10	23.21			23.5
3	16QAM	8	7	23.21	23.04	23.12			2
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
3	64QAM	1	14	23.13	23.30	22.91			2
3	64QAM	8	0	22.15	22.30	22.08			
3	64QAM	8	4	22.23	22.19	22.04			22.5
3	64QAM	8	7	22.17	22.27	21.92			



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				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	24.49	24.50	24.42	25.5	0		
20	QPSK	1	49	24.39	24.45	24.42				
20	QPSK	1	99	24.26	24.31	24.22				
20	QPSK	50	0	23.45	23.50	23.47	24.5	1		
20	QPSK	50	24	23.30	23.29	23.25				
20	QPSK	50	50	23.29	23.33	23.30				
20	QPSK	100	0	23.23	23.26	23.21	24.5	1		
20	16QAM	1	0	23.37	23.37	23.32				
20	16QAM	1	49	23.22	23.26	23.16				
20	16QAM	1	99	23.21	23.31	23.25	23.5	2		
20	16QAM	50	0	22.44	22.44	22.39				
20	16QAM	50	24	22.32	22.34	22.27				
20	16QAM	50	50	22.22	22.28	22.20	23.5	2		
20	16QAM	100	0	22.39	22.39	22.31				
20	84QAM	1	0	22.33	22.32	22.28				
20	84QAM	1	49	22.40	22.45	22.35	23.5	2		
20	84QAM	1	99	22.36	22.39	22.32				
20	84QAM	50	0	21.40	21.47	21.45				
20	84QAM	50	24	21.46	21.50	21.42	22.5	3		
20	84QAM	50	50	21.28	21.31	21.24				
20	84QAM	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				
15	QPSK	1	0	24.43	24.39	24.38	25.5	0		
15	QPSK	1	37	24.33	24.30	24.35				
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	84QAM	1	0	22.22	22.28	22.19				
15	84QAM	1	37	22.30	22.34	22.24	23.5	2		
15	84QAM	1	74	22.27	22.25	22.25				
15	84QAM	36	0	21.32	21.34	21.42				
15	84QAM	36	20	21.39	21.45	21.38	22.5	3		
15	84QAM	36	39	21.16	21.22	21.16				
15	84QAM	75	0	21.31	21.38	21.40				
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	24.42	24.41	24.35	25.5	0		
10	QPSK	1	25	24.32	24.37	24.30				
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	84QAM	1	0	22.27	22.27	22.23				
10	84QAM	1	25	22.25	22.41	22.27	23.5	2		
10	84QAM	1	49	22.28	22.25	22.23				
10	84QAM	25	0	21.28	21.42	21.42				
10	84QAM	25	12	21.36	21.45	21.29	22.5	3		
10	84QAM	25	25	21.17	21.17	21.14				
10	84QAM	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				
5	QPSK	1	0	24.40	24.39	24.36	25.5	0		
5	QPSK	1	12	24.35	24.32	24.27				
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	84QAM	1	0	22.24	22.22	22.17				
5	84QAM	1	12	22.29	22.40	22.26	23.5	2		
5	84QAM	1	24	22.29	22.34	22.21				
5	84QAM	12	0	21.35	21.40	21.40				
5	84QAM	12	7	21.42	21.41	21.37	22.5	3		
5	84QAM	12	13	21.23	21.26	21.19				
5	84QAM	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		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	24.47	24.40	24.55	24.53	24.46	25.5	0
20	QPSK	1	49	24.25	24.36	24.47	24.36	24.45		
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	24.5	1
20	QPSK	50	24	23.27	23.39	23.38	23.45	23.37		
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	24.5	1
20	16QAM	1	0	23.31	23.30	23.32	23.49	23.46		
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	23.5	2
20	16QAM	50	0	22.18	22.38	22.30	22.26	22.20		
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	23.5	2
20	16QAM	100	0	21.95	22.15	22.28	22.08	22.02		
20	84QAM	1	0	22.33	22.37	22.37	22.13	22.15		
20	84QAM	1	49	22.44	22.37	22.37	22.42	22.34	23.5	2
20	84QAM	1	99	22.13	22.24	22.40	22.22	22.12		
20	84QAM	50	0	21.75	21.67	21.67	21.78	21.64		
20	84QAM	50	24	21.54	21.60	21.48	21.45	21.39	22.5	3
20	84QAM	50	50	21.40	21.46	21.48	21.50	21.39		
20	84QAM	100	0	21.44	21.58	21.55	21.52	21.44		
Channel				39725	40173	40620	41056	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2692.5		
15	QPSK	1	0	24.36	24.26	24.39	24.50	24.47	25.50	0
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		
15	QPSK	36	0	23.02	23.43	23.41	23.33	23.23	24.5	1
15	QPSK	36	20	23.02	23.19	23.20	23.15	23.26		
15	QPSK	36	39	23.17	23.28	23.38	23.14	23.05		
15	QPSK	75	0	23.23	23.34	23.35	23.36	23.41	24.5	1
15	16QAM	1	0	23.09	23.21	23.29	23.49	23.47		
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	23.5	2
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		
15	16QAM	36	39	22.12	22.35	22.36	21.97	21.91	23.5	2
15	16QAM	75	0	22.16	22.04	22.14	21.94	22.02		
15	84QAM	1	0	22.21	22.36	22.38	22.11	22.16		
15	84QAM	1	37	22.30	22.16	22.16	22.22	22.17	23.5	2
15	84QAM	1	74	22.12	22.24	22.31	22.14	22.04		
15	84QAM	36	0	21.68	21.53	21.62	21.65	21.55		
15	84QAM	36	20	21.50	21.48	21.47				



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	128	189	251	128	189	251	128	189
Frequency (MHz)	824.2	835.4	846.8	824.2	835.4	846.8	824.2	835.4
GSM 1 Tx slot	32.54	32.54	32.47	33.50	23.64	23.54	23.47	24.60
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/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	512	661	810	512	661	810	512	661
Frequency (MHz)	1850.2	1880	1909.8	1850.2	1880	1909.8	1850.2	1880
GSM 1 Tx slot	29.55	29.44	29.34	30.50	20.55	20.44	20.34	21.50
GPRS 1 Tx slot	29.35	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 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)	
	9300	9400	9538		1312	1413	1513		4192	4182	4233		
TX Channel	9300	9400	9538	1312	1413	1513	4192	4182	4233	4192	4182	4233	
Rx Channel	9582	9900	9938	1537	1638	1738	4357	4407	4459	4357	4407	4459	
Frequency (MHz)	1852.4	1880	1907.6	1712.4	1732.6	1752.6	826.4	838.4	846.6	826.4	838.4	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/DSI 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Time-up limit (sec)	MPE (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	24.32	24.36	24.29	25	0		
20	QPSK	1	49	24.07	24.09	24.08				
20	QPSK	50	0	23.13	23.34	23.24	24	1		
20	QPSK	50	24	23.02	23.02	23.03				
20	QPSK	50	50	23.20	23.04	23.28				
20	QPSK	100	0	22.94	23.14	23.09	24	1		
20	QPSK	100	0	22.97	22.99	22.93				
20	HQAM	1	49	22.91	23.02	23.09	24	1		
20	HQAM	1	99	22.88	22.81	22.64				
20	HQAM	1	99	22.14	22.25	22.14				
20	HQAM	50	24	22.99	22.14	22.27	23	2		
20	HQAM	50	50	21.94	21.83	22.01				
20	HQAM	100	0	22.18	21.77	21.81				
20	HQAM	1	0	22.07	22.08	21.97				
20	HQAM	1	49	22.19	22.04	22.06	23	2		
20	HQAM	1	99	22.15	21.96	21.36				
20	HQAM	50	24	21.11	21.23	21.15	22	3		
20	HQAM	50	50	21.03	20.94	21.00				
20	HQAM	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	23.04	24.02				
15	QPSK	36	0	23.09	23.29	23.13	24	1		
15	QPSK	36	20	22.94	22.96	22.99				
15	QPSK	36	39	22.98	22.98	22.93				
15	QPSK	75	0	22.92	23.08	23.12	24	1		
15	HQAM	1	0	22.92	22.94	22.86				
15	HQAM	1	37	22.86	22.94	22.86	24	1		
15	HQAM	1	74	22.67	22.74	22.75				
15	HQAM	36	0	22.92	22.21	22.10	23	2		
15	HQAM	36	20	21.07	20.98	21.03				
15	HQAM	36	39	21.91	21.76	21.91				
15	HQAM	75	0	22.01	21.97	21.88	23	2		
15	HQAM	1	37	22.09	21.98	22.00				
15	HQAM	1	74	22.11	21.79	21.73				
15	HQAM	36	0	21.09	21.07	21.32	22	3		
15	HQAM	36	20	21.00	21.10	21.08				
15	HQAM	36	39	21.04	21.16	20.98				
15	HQAM	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	24.05				
10	QPSK	1	74	23.06	23.05	23.13				
10	QPSK	25	12	22.99	22.96	22.96	24	1		
10	QPSK	25	25	22.94	22.93	22.94				
10	QPSK	50	0	22.87	23.03	23.04	24	1		
10	QPSK	1	0	22.90	23.02	22.88				
10	HQAM	1	25	22.86	22.94	22.94	24	1		
10	HQAM	1	49	22.75	22.70	22.73				
10	HQAM	25	0	22.61	22.30	22.14	23	2		
10	HQAM	25	12	22.66	22.60	22.14				
10	HQAM	25	25	21.91	21.75	21.85				
10	HQAM	50	0	22.15	21.72	21.72	23	2		
10	HQAM	50	12	22.13	21.81	21.81				
10	HQAM	1	25	22.10	21.95	22.00	23	2		
10	HQAM	1	49	22.06	21.98	22.12				
10	HQAM	25	0	21.05	21.05	21.04	22	3		
10	HQAM	25	12	21.05	21.14	21.04				
10	HQAM	25	25	20.87	20.91	21.28				
10	HQAM	50	0	21.00	21.00	21.00				
Channel										
Frequency (MHz)										
5	QPSK	1	0	24.29	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				
5	QPSK	12	0	23.06	23.24	23.14	24	1		
5	QPSK	12	7	22.98	23.02	23.00				
5	QPSK	12	13	23.04	23.01	23.12				
5	QPSK	25	0	22.82	22.30	23.09	24	1		
5	HQAM	1	12	22.82	22.88	23.03	24	1		
5	HQAM	1	24	22.66	22.66	22.67				
5	HQAM	12	0	22.93	22.22	22.10	23	2		
5	HQAM	12	7	22.93	21.99	22.08				
5	HQAM	12	13	22.93	21.99	22.08				
5	HQAM	25	0	22.14	21.69	21.81	23	2		
5	HQAM	1	0	21.98	21.95	21.89				
5	HQAM	1	12	22.05	22.01	22.05				
5	HQAM	1	24	22.07	22.02	22.03				
5	HQAM	12	0	21.10	21.13	21.38	22	3		
5	HQAM	12	7	21.06	21.06	21.06				
5	HQAM	12	13	20.90	20.85	21.31				
5	HQAM	25	0	20.97	21.08	21.00				
Channel										
Frequency (MHz)										
3	QPSK	1	0	24.28	24.25	24.19	25	0		
3	QPSK	1	8	24.17	24.06	24.02				
3	QPSK	1	14	24.02	23.94	24.06				
3	QPSK	8	0	23.12	23.29	23.14	24	1		
3	QPSK	8	4	22.96	22.97	22.96				
3	QPSK	8	7	23.03	23.00	23.11				
3	QPSK	15	0	22.88	23.10	23.07	24	1		
3	HQAM	1	0	22.92	22.99	22.99				
3	HQAM	1	8	22.76	22.98	23.02	24	1		
3	HQAM	8	4	22.08	22.06	22.10	23	2		
3	HQAM	8	7	21.94	21.74	21.92				
3	HQAM	15	0	22.12	21.72	21.78				
3	HQAM	1	0	21.94	21.95	21.89	23	2		
3	HQAM	1	8	22.14	22.05	21.94				
3	HQAM	1	14	22.02	22.01	22.05				
3	HQAM	8	0	21.07	21.10	21.27	22	3		
3	HQAM	8	4	21.07	21.14	21.03				
3	HQAM	8	7	20.91	20.90	21.25				
3	HQAM	15	0	21.00	21.17	20.95				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	24.19	24.28	24.10	25	0		
1.4	QPSK	1	3	24.16	24.15	24.12				
1.4	QPSK	1	6	24.17	24.18	24.03				
1.4	QPSK	3	1	24.05	23.97	24.09	24	1		
1.4	QPSK	3	3	23.97	23.96	23.99				
1.4	QPSK	6	0	23.13	23.20	23.14	24	1		
1.4	HQAM	1	0	22.94	23.03	22.98				
1.4	HQAM	1	3	23.03	22.99	23.11	24	1		
1.4	HQAM	1	6	22.83	23.11	23.02				
1.4	HQAM	3	0	22.98	22.83	22.85	23	2		
1.4	HQAM	3	3	22.96	22.99	22.96				
1.4	HQAM	3	6	22.84	22.89	22.82				
1.4	HQAM	6	0	21.98	22.28	22.13	23	2		
1.4	HQAM	6	3	21.88	21.83	21.98				
1.4	HQAM	1	5	22.10	21.73	21.79	23	2		
1.4	HQAM	3	0	21.92	21.68	21.84				
1.4	HQAM	3	1	22.04	22.03	21.98				
1.4	HQAM	3	3	22.10	22.10	22.13	22	3		
1.4	HQAM	6	0	21.93	21.68	21.95				

Band 4 Ant1 Default/DSI 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Time-up limit (sec)	MPE (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	24.09	24.16	24.14	25	0		
20	QPSK	1	49	24.01	24.03	24.03				
20	QPSK	50	0	23.20	23.34	23.18	24	1		
20	QPSK	50	24	23.02	23.02	23.03				
20	QPSK	50	50	23.23	23.17	23.20	24	1		
20	QPSK	100	0	22.90	23.20	23.11	24	1		
20	QPSK	100	0	22.93	22.93	22.93				
20	HQAM	1	49	22.93	22.97	23.10	24	1		
20	HQAM	1	99	22.96	22.91	22.99				
20	HQAM	1	99	22.12	22.37	22.31				
20	HQAM	50	24	22.28	22.20	22.30	23</			



Band 7 Ant1 Default/DSI 1										
RB (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up limit (dB)	MPE (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	24.40	24.43	24.37				
20	QPSK	1	49	24.32	24.30	24.40	23.5	0		
20	QPSK	1	99	24.20	24.35	24.17				
20	QPSK	50	0	23.34	23.44	23.27				
20	QPSK	50	24	23.18	23.11	23.27	24.5	1		
20	QPSK	50	50	23.32	23.33	23.24				
20	QPSK	100	0	23.16	23.20	23.22				
20	16QAM	1	0	23.33	23.18	23.23				
20	16QAM	1	49	23.11	23.23	23.36	24.5	1		
20	16QAM	1	99	23.17	23.19	23.14				
20	16QAM	50	0	22.36	22.47	22.48				
20	16QAM	50	24	22.48	22.33	22.52	23.5	2		
20	16QAM	50	50	22.38	22.13	22.22				
20	16QAM	100	0	22.37	22.29	22.28				
20	64QAM	1	0	22.21	22.28	22.34				
20	64QAM	1	49	22.34	22.19	22.29	23.5	2		
20	64QAM	50	0	21.32	21.33	21.28				
20	64QAM	50	24	21.39	21.45	21.34	22.5	3		
20	64QAM	50	50	21.28	21.18	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				
15	QPSK	1	37	24.32	24.21	24.30	23.5	0		
15	QPSK	1	74	24.10	24.28	24.07				
15	QPSK	36	0	23.29	23.43	23.25				
15	QPSK	36	20	23.21	23.17	23.25	24.5	1		
15	QPSK	36	39	23.33	23.29	23.23				
15	QPSK	75	0	23.24	23.24	23.25				
15	16QAM	1	0	23.20	23.25	23.18				
15	16QAM	1	37	23.27	23.18	23.28	24.5	1		
15	16QAM	1	74	23.22	23.14	23.22				
15	16QAM	36	0	22.22	22.41	22.37				
15	16QAM	36	20	22.34	22.28	22.42	23.5	2		
15	16QAM	36	39	22.25	22.22	22.18				
15	16QAM	75	0	22.30	22.27	22.28				
15	64QAM	1	0	22.16	22.16	22.25				
15	64QAM	1	37	22.29	22.13	22.27	23.5	2		
15	64QAM	1	74	22.20	22.29	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	21.18	21.23	21.28				
15	64QAM	75	0	21.20	21.27	21.30				
Channel										
Frequency (MHz)										
10	QPSK	1	0	24.26	24.34	24.24				
10	QPSK	1	25	24.37	24.20	24.32	23.5	0		
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				
10	16QAM	1	0	23.24	23.13	23.28	24.5	1		
10	16QAM	1	25	23.29	23.14	23.22				
10	16QAM	1	49	23.15	23.28	23.24				
10	16QAM	25	0	22.27	22.40	22.42	23.5	2		
10	16QAM	25	12	22.33	22.19	22.40				
10	16QAM	25	25	22.41	22.29	22.21				
10	16QAM	50	0	22.33	22.25	22.35				
10	64QAM	1	0	22.26	22.29	22.29	23.5	2		
10	64QAM	1	25	22.27	22.28	22.31				
10	64QAM	1	49	22.22	22.28	22.16				
10	64QAM	25	0	21.31	21.33	21.22	22.5	3		
10	64QAM	25	12	21.31	21.33	21.22				
10	64QAM	25	25	21.14	21.29	21.51				
10	64QAM	50	0	21.28	21.27	21.28				
Channel										
Frequency (MHz)										
5	QPSK	1	0	24.26	24.30	24.27				
5	QPSK	1	12	24.32	24.19	24.32	23.5	0		
5	QPSK	1	24	24.17	24.20	24.10				
5	QPSK	12	0	23.24	23.29	23.17				
5	QPSK	12	7	23.17	23.27	23.31	24.5	1		
5	QPSK	12	13	23.34	23.35	23.29				
5	QPSK	25	0	23.22	23.27	23.28				
5	16QAM	1	0	23.28	23.23	23.29	24.5	1		
5	16QAM	1	12	23.25	23.10	23.23				
5	16QAM	1	24	23.24	23.13	23.21				
5	16QAM	12	0	22.35	22.43	22.41	23.5	2		
5	16QAM	12	7	22.42	22.21	22.47				
5	16QAM	12	13	22.30	22.29	22.15				
5	16QAM	25	0	22.28	22.21	22.24				
5	64QAM	1	0	22.13	22.24	22.23	23.5	2		
5	64QAM	1	12	22.26	22.16	22.26				
5	64QAM	1	24	22.13	22.25	22.21				
5	64QAM	12	0	21.28	21.30	21.52	22.5	3		
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	25	0	21.24	21.33	21.21				

Band 12 Ant1 Default/DSI 1										
RB (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up limit (dB)	MPE (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	24.51	24.70	24.54				
10	QPSK	1	25	24.65	24.62	24.29	23.5	0		
10	QPSK	1	49	24.31	24.30	24.32				
10	QPSK	25	0	23.41	23.32	23.48	24.5	1		
10	QPSK	25	12	23.28	23.44	23.28				
10	QPSK	25	25	23.41	23.48	23.48				
10	QPSK	50	0	23.39	23.44	23.32				
10	16QAM	1	0	23.38	23.38	23.32	24.5	1		
10	16QAM	1	25	23.20	23.47	23.51				
10	16QAM	1	49	23.63	23.68	23.64				
10	16QAM	25	0	22.47	22.49	22.44	23.5	2		
10	16QAM	25	12	22.43	22.42	22.59				
10	16QAM	25	25	22.51	22.52	22.51				
10	16QAM	50	0	22.51	22.49	22.59				
10	64QAM	1	0	22.47	22.45	22.58	23.5	2		
10	64QAM	1	25	22.53	22.38	22.31				
10	64QAM	1	49	22.89	22.31	22.26				
10	64QAM	25	0	21.44	21.46	21.52	22.5	3		
10	64QAM	25	12	21.40	21.34	21.46				
10	64QAM	25	25	21.47	21.41	21.38				
10	64QAM	50	0	21.57	21.35	21.49				
Channel										
Frequency (MHz)										
5	QPSK	1	0	24.37	24.45	24.37				
5	QPSK	1	12	24.41	24.40	24.28	23.5	0		
5	QPSK	1	24	24.44	24.30	24.49				
5	QPSK	12	0	23.38	23.39	23.41	24.5	1		
5	QPSK	12	7	23.20	23.32	23.23				
5	QPSK	12	13	23.35	23.32	23.41				
5	QPSK	25	0	23.29	23.40	23.27	24.5	1		
5	16QAM	1	0	23.24	23.21	23.48	24.5	1		
5	16QAM	1	12	23.41	23.43	23.37				
5	16QAM	1	24	23.58	23.57	23.51				
5	16QAM	12	0	22.38	22.27	22.41	23.5	2		
5	16QAM	12	7	22.35	22.32	22.39				
5	16QAM	12	13	22.39	22.38	22.38				
5	16QAM	25	0	22.40	22.39	22.40	23.5	2		
5	16QAM	25	7	22.47	22.41	22.50				
5	16QAM	25	13	22.33	22.41	22.50				
5	64QAM	1	0	22.20	22.29	22.48	23.5	2		
5	64QAM	1	12	22.43	22.22	22.41				
5	64QAM	1	24	22.43	22.42	22.41				
5	64QAM	12	0	21.32	21.42	21.45	22.5	3		
5	64QAM									



Band 17 Ant1 Default/DS1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power Mid Ch./Freq.	Time-up (min)	MPE (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	24.40	24.60	24.61			
10	QPSK	1	25	24.51	24.57	24.50			
10	QPSK	1	49	24.49	24.69	24.61	25.5	0	
10	QPSK	25	0	23.50	23.61	23.74			
10	QPSK	25	15	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	23.61			
10	16QAM	1	0	23.54	23.57	23.55			
10	16QAM	1	25	23.72	23.74	23.77	24.5	1	
10	16QAM	1	49	23.89	23.70	23.91			
10	16QAM	25	0	22.91	22.60	22.64			
10	16QAM	25	12	22.57	22.50	22.52	23.5	2	
10	16QAM	25	25	22.71	22.44	22.50			
10	16QAM	50	0	22.60	22.51	22.58			
10	16QAM	1	0	22.60	22.51	22.58			
10	16QAM	1	25	22.53	22.51	22.70	23.5	2	
10	16QAM	1	49	22.89	22.59	22.64			
10	16QAM	25	0	21.53	21.57	21.57			
10	16QAM	25	12	21.74	21.77	21.69	22.5	3	
10	16QAM	25	25	21.67	21.74	21.65			
10	16QAM	50	0	21.66	21.64	21.55			
Channel									
Frequency (MHz)									
5	QPSK	1	0	24.46	24.60	24.56			
5	QPSK	1	12	24.47	24.47	24.37	25.5	0	
5	QPSK	1	24	24.42	24.48	24.53			
5	QPSK	12	0	23.35	23.80	23.81			
5	QPSK	12	7	23.69	23.70	23.66	24.5	1	
5	QPSK	12	15	23.74	23.70	23.56			
5	QPSK	25	0	23.49	23.44	23.57			
5	16QAM	1	0	23.43	23.45	23.42			
5	16QAM	1	24	23.82	23.68	23.81	24.5	1	
5	16QAM	12	0	22.53	22.40	22.51			
5	16QAM	12	7	22.49	22.40	22.46			
5	16QAM	12	15	22.63	22.35	22.48	23.5	2	
5	16QAM	25	0	22.48	22.48	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	22.57	22.44			
5	16QAM	12	0	21.42	21.46	21.50			
5	16QAM	12	7	21.65	21.64	21.64	22.5	3	
5	16QAM	12	15	21.54	21.65	21.58			
5	16QAM	25	0	21.63	21.59	21.41			

Band 26 Ant1 Default/DS1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power Mid Ch./Freq.	Time-up (min)	MPE (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	0	24.57	24.65	24.60			
15	QPSK	1	37	24.54	24.55	24.44	25.5	0	
15	QPSK	1	74	24.63	24.59	24.62			
15	QPSK	36	0	23.60	23.61	23.76			
15	QPSK	36	20	23.68	23.62	23.73	24.5	1	
15	QPSK	36	36	23.74	23.66	23.69			
15	QPSK	75	0	23.74	23.60	23.68			
15	16QAM	1	0	23.71	23.71	23.69			
15	16QAM	1	37	23.71	23.71	23.81	24.5	1	
15	16QAM	1	74	23.64	23.72	23.77			
15	16QAM	36	0	22.59	22.58	22.81			
15	16QAM	36	20	22.59	22.58	22.83	23.5	2	
15	16QAM	36	36	22.72	22.73	22.73			
15	16QAM	75	0	22.71	22.70	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	22.66	22.72			
15	16QAM	36	0	21.82	21.86	21.88			
15	16QAM	36	20	21.88	21.78	21.84	22.5	3	
15	16QAM	36	36	21.84	21.82	21.73			
15	16QAM	75	0	21.68	21.68	21.65			
Channel									
Frequency (MHz)									
10	QPSK	1	0	24.43	24.58	24.61			
10	QPSK	1	25	24.48	24.44	24.37	25.5	0	
10	QPSK	1	49	24.52	24.56	24.45			
10	QPSK	25	0	23.74	23.75	23.64			
10	QPSK	25	12	23.59	23.67	23.73	24.5	1	
10	QPSK	25	25	23.64	23.63	23.63			
10	QPSK	50	0	23.70	23.67	23.44			
10	16QAM	1	0	23.59	23.62	23.86			
10	16QAM	1	24	23.81	23.66	23.81	24.5	1	
10	16QAM	1	49	23.84	23.63	23.73			
10	16QAM	25	0	22.53	22.58	22.66			
10	16QAM	25	12	22.53	22.44	22.60			
10	16QAM	25	25	22.59	22.58	22.59	23.5	2	
10	16QAM	50	0	22.48	22.51	22.69			
10	16QAM	1	0	22.61	22.61	22.64			
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	22.5	3	
10	16QAM	25	25	21.82	21.69	21.73			
10	16QAM	50	0	21.63	21.60	21.59			
Channel									
Frequency (MHz)									
5	QPSK	1	0	24.53	24.51	24.45			
5	QPSK	1	12	24.42	24.42	24.34	25.5	0	
5	QPSK	1	24	24.43	24.46	24.48			
5	QPSK	12	0	23.59	23.65	23.66			
5	QPSK	12	7	23.59	23.55	23.71	24.5	1	
5	QPSK	12	15	23.59	23.53	23.66			
5	QPSK	25	0	23.70	23.72	23.69			
5	16QAM	1	0	23.63	23.58	23.82			
5	16QAM	1	12	23.60	23.67	23.66	24.5	1	
5	16QAM	1	24	23.54	23.61	23.64			
5	16QAM	12	0	22.62	22.50	22.69			
5	16QAM	12	7	22.52	22.47	22.62	23.5	2	
5	16QAM	12	15	22.62	22.54	22.62			
5	16QAM	25	0	22.56	22.50	22.58			
5	16QAM	1	0	22.61	22.61	22.61			
5	16QAM	1	12	22.68	22.63	22.62	23.5	2	
5	16QAM	1	24	22.62	22.67	22.68			
5	16QAM	12	0	21.63	21.63	21.63			
5	16QAM	12	7	21.80	21.65	21.73	22.5	3	
5	16QAM	12	15	21.63	21.48	21.71			
5	16QAM	25	0	21.61	21.64	21.68			
Channel									
Frequency (MHz)									
3	QPSK	1	0	24.45	24.24	24.53			
3	QPSK	1	8	24.44	24.41	24.32	25.5	0	
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	23.66	23.65	24.5	1	
3	QPSK	8	7	23.59	23.54	23.59			
3	QPSK	15	0	23.69	23.68	23.44			
3	16QAM	1	0	23.57	23.64	23.66			
3	16QAM	1	8	23.65	23.62	23.49	24.5	1	
3	16QAM	1	14	23.53	23.69	23.76			
3	16QAM	8	0	22.54	22.55	22.76			
3	16QAM	8	4	22.55	22.49	22.59	23.5	2	
3	16QAM	8	7	22.52	22.59	22.64			
3	16QAM	15	0	22.63	22.58	22.65			
3	16QAM	1	0	22.72	22.69	22.65	23.5	2	
3	16QAM	1	8	22.66	22.71	22.62			
3	16QAM	1	14	22.64	22.51	22.64			
3	16QAM	8	0	21.77	21.60	21.76	22.5	3	
3	16QAM	8	4	21.80	21.69	21.71			
3	16QAM	8	7	21.59	21.47	21.70			
3	16QAM	15	0	21.68	21.61	21.56			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	24.45	24.51	24.55			
1.4	QPSK	1	3	24.42	24.46	24.49	25.5	0	
1.4	QPSK	1	6	24.41	24.54	24.48			
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	3	24.34	24.48	24.32	24.5	1	
1.4	QPSK	8	0	23.67	23.70				



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

Band 41 Ant1 Default/DSI 1												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	24.38	24.46	24.48	24.39	24.46	25.5	0		
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	24.5	1		
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				
20	16QAM	1	99	23.37	23.37	23.50	23.40	23.36	23.5	2		
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	23.5	2		
20	16QAM	100	0	22.23	22.31	22.40	22.35	22.28				
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	23.5	2		
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	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5				
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	36	0	23.30	23.33	23.53	23.27	23.37	24.5	1		
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				
15	QPSK	75	0	23.37	23.54	23.58	23.42	23.45	24.5	1		
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	23.5	2		
15	16QAM	36	0	22.39	22.44	22.50	22.35	22.38				
15	16QAM	36	20	22.28	22.36	22.51	22.22	22.37				
15	16QAM	36	39	22.28	22.2							



Band 2 Ant2 DSI1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				1860	1880	1900				
20	QPSK	1	0	17.10	17.19	17.13				
20	QPSK	1	49	17.14	17.17	17.11	19	0		
20	QPSK	1	99	17.07	17.13	17.12				
20	QPSK	50	0	17.11	17.17	17.14				
20	QPSK	50	24	17.15	17.17	17.14	19	0		
20	QPSK	50	50	17.12	17.14	17.11				
20	QPSK	100	0	17.08	17.12	17.08				
20	16QAM	1	0	17.10	17.17	17.16				
20	16QAM	1	49	17.15	17.15	17.12	19	0		
20	16QAM	1	99	17.16	17.17	17.18				
20	16QAM	50	0	17.11	17.16	17.17				
20	16QAM	50	24	17.14	17.13	17.08	19	0		
20	16QAM	50	50	17.13	17.14	17.10				
20	16QAM	100	0	17.09	17.13	17.07				
20	84QAM	1	0	17.12	17.14	17.12				
20	84QAM	1	49	17.16	17.16	17.15	19	0		
20	84QAM	1	99	17.13	17.13	17.06				
20	84QAM	50	0	17.08	17.12	17.08				
20	84QAM	50	24	17.18	17.16	17.12	19	0		
20	84QAM	50	50	17.17	17.17	17.16				
20	84QAM	100	0	17.07	17.12	17.13				
Channel										
Frequency (MHz)				1867.5	1890	1912.5	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	17.05	17.18	17.12	19	0		
15	QPSK	1	37	17.15	17.14	17.11				
15	QPSK	1	74	17.03	17.07	17.06				
15	QPSK	36	0	17.06	17.17	17.13				
15	QPSK	36	20	17.06	17.16	17.08	19	0		
15	QPSK	36	39	17.12	17.11	17.09				
15	QPSK	75	0	17.08	17.11	17.02				
15	16QAM	1	0	17.06	17.16	17.05				
15	16QAM	1	37	17.13	17.13	17.13	19	0		
15	16QAM	1	74	17.17	17.11	17.13				
15	16QAM	36	0	17.09	17.11	17.15				
15	16QAM	36	20	17.08	17.11	17.07	19	0		
15	16QAM	36	39	17.14	17.09	17.07				
15	16QAM	75	0	17.12	17.08	17.09				
15	84QAM	1	0	17.12	17.12	17.13	19	0		
15	84QAM	1	37	17.11	17.12	17.13				
15	84QAM	1	74	17.12	17.12	17.04				
15	84QAM	36	0	17.01	17.11	17.05				
15	84QAM	36	20	17.18	17.13	17.06	19	0		
15	84QAM	36	39	17.10	17.15	17.15				
15	84QAM	75	0	17.05	17.07	17.07				
Channel										
Frequency (MHz)				1855	1880	1905	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	17.10	17.15	17.06				
10	QPSK	1	25	17.07	17.15	17.09	19	0		
10	QPSK	1	49	17.03	17.06	17.06				
10	QPSK	25	0	17.09	17.17	17.13				
10	QPSK	25	12	17.11	17.14	17.07	19	0		
10	QPSK	25	25	17.08	17.14	17.06				
10	QPSK	50	0	17.03	17.10	17.07				
10	16QAM	1	0	17.07	17.13	17.09				
10	16QAM	1	25	17.16	17.09	17.07	19	0		
10	16QAM	1	49	17.09	17.15	17.17				
10	16QAM	25	0	17.07	17.11	17.11				
10	16QAM	25	12	17.13	17.08	17.07	19	0		
10	16QAM	25	25	17.09	17.11	17.06				
10	16QAM	50	0	17.06	17.08	17.02				
10	84QAM	1	0	17.13	17.10	17.06				
10	84QAM	1	25	17.16	17.16	17.09	19	0		
10	84QAM	1	49	17.07	17.05	17.06				
10	84QAM	25	0	17.09	17.05	17.05				
10	84QAM	25	12	17.14	17.16	17.13	19	0		
10	84QAM	25	25	17.11	17.17	17.14				
10	84QAM	50	0	17.07	17.09	17.07				
Channel										
Frequency (MHz)				1852.5	1880	1907.5	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	17.05	17.18	17.10	19	0		
5	QPSK	1	12	17.15	17.10	17.10				
5	QPSK	1	24	17.07	17.11	17.06				
5	QPSK	12	0	17.10	17.12	17.09				
5	QPSK	12	7	17.05	17.14	17.10	19	0		
5	QPSK	12	13	17.09	17.08	17.04				
5	QPSK	25	0	17.07	17.08	17.06				
5	16QAM	1	0	17.11	17.15	17.15				
5	16QAM	1	12	17.16	17.13	17.06	19	0		
5	16QAM	1	24	17.11	17.15	17.14				
5	16QAM	12	0	17.06	17.11	17.15				
5	16QAM	12	7	17.13	17.08	17.04	19	0		
5	16QAM	12	13	17.08	17.12	17.05				
5	16QAM	25	0	17.07	17.09	17.06				
5	84QAM	1	0	17.13	17.07	17.01				
5	84QAM	1	12	17.11	17.11	17.08	19	0		
5	84QAM	1	24	17.10	17.09	17.01				
5	84QAM	12	0	17.02	17.12	17.06				
5	84QAM	12	7	17.17	17.17	17.07	19	0		
5	84QAM	12	13	17.15	17.13	17.13				
5	84QAM	25	0	17.03	17.11	17.08				
Channel										
Frequency (MHz)				1851.5	1880	1908.5	Tune-up limit (dBm)	MPR (dB)		
3	QPSK	1	0	17.04	17.17	17.11	19	0		
3	QPSK	1	8	17.09	17.17	17.10				
3	QPSK	1	14	17.06	17.10	17.12				
3	QPSK	8	0	17.10	17.15	17.10				
3	QPSK	8	7	17.11	17.11	17.11	19	0		
3	QPSK	15	0	17.04	17.08	17.05				
3	16QAM	1	0	17.07	17.16	17.16				
3	16QAM	1	8	17.11	17.09	17.07	19	0		
3	16QAM	1	14	17.14	17.11	17.17				
3	16QAM	8	0	17.11	17.15	17.16				
3	16QAM	8	4	17.07	17.11	17.03	19	0		
3	16QAM	8	7	17.08	17.09	17.09				
3	16QAM	15	0	17.09	17.13	17.02				
3	84QAM	1	0	17.06	17.11	17.12				
3	84QAM	1	8	17.13	17.15	17.11	19	0		
3	84QAM	1	14	17.08	17.07	17.03				
3	84QAM	8	0	17.06	17.12	17.06				
3	84QAM	8	4	17.15	17.16	17.06	19	0		
3	84QAM	8	7	17.14	17.14	17.16				
3	84QAM	15	0	17.01	17.11	17.10				
Channel										
Frequency (MHz)				1807	1820	1893	Tune-up limit (dBm)	MPR (dB)		
1.4	QPSK	1	0	17.09	17.12	17.12				
1.4	QPSK	1	3	17.11	17.17	17.08	19	0		
1.4	QPSK	1	5	17.07	17.08	17.10				
1.4	QPSK	3	0	17.11	17.12	17.14				
1.4	QPSK	3	1	17.10	17.17	17.13				
1.4	QPSK	3	3	17.12	17.13	17.10	19	0		
1.4	QPSK	6	0	17.05	17.10	17.07				
1.4	16QAM	1	0	17.09	17.14	17.15				
1.4	16QAM	1	3	17.12	17.14	17.06	19	0		
1.4	16QAM	1	5	17.12	17.12	17.12				
1.4	16QAM	3	0	17.12	17.16	17.12				
1.4	16QAM	3	1	17.09	17.09	17.04				
1.4	16QAM	3	3	17.07	17.10	17.05	19	0		
1.4	16QAM	6	0	17.06	17.08	17.06				
1.4	84QAM	1	0	17.10	17.08	17.10				
1.4	84QAM	1	3	17.14	17.10	17.08	19	0		
1.4	84QAM	1	5	17.07	17.12	17.03				
1.4	84QAM	3	0	17.03	17.09	17.09				
1.4	84QAM	3	1	17.16	17.15	17.07	19	0		
1.4	84QAM	3	3	17.13						



Band 38 Ant2 DSI1											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				37850	38000	38150					
Frequency (MHz)				2580	2595	2610					
20	QPSK	1	0	15.67	15.78	15.64	17.5	0			
20	QPSK	1	49	15.52	15.73	15.59					
20	QPSK	1	99	15.70	15.62	15.59					
20	QPSK	50	0	15.64	15.72	15.52	17.5	0			
20	QPSK	50	24	15.59	15.70	15.66					
20	QPSK	50	50	15.62	15.53	15.62					
20	QPSK	100	0	15.50	15.71	15.63	17.5	0			
20	16QAM	1	0	15.53	15.63	15.76					
20	16QAM	1	49	15.66	15.73	15.56	17.5	0			
20	16QAM	1	99	15.72	15.57	15.70					
20	16QAM	50	0	15.64	15.61	15.61	17.5	0			
20	16QAM	50	24	15.52	15.71	15.57					
20	16QAM	50	50	15.65	15.61	15.51					
20	16QAM	100	0	15.73	15.71	15.72	17.5	0			
20	64QAM	1	0	15.76	15.74	15.51					
20	64QAM	1	49	15.65	15.55	15.68	17.5	0			
20	64QAM	1	99	15.64	15.72	15.51					
20	64QAM	50	0	15.62	15.64	15.61	17.5	0			
20	64QAM	50	24	15.59	15.71	15.64					
20	64QAM	50	50	15.70	15.62	15.67					
20	64QAM	100	0	15.71	15.70	15.75	17.5	0			
Channel				37825	38000	38175					
Frequency (MHz)				2577.5	2595	2612.5					
15	QPSK	1	0	15.62	15.63	15.72	17.5	0			
15	QPSK	1	37	15.60	15.66	15.52					
15	QPSK	1	74	15.50	15.65	15.60					
15	QPSK	36	0	15.54	15.70	15.52	17.5	0			
15	QPSK	36	20	15.59	15.70	15.64					
15	QPSK	36	39	15.71	15.72	15.60					
15	QPSK	75	0	15.61	15.68	15.58	17.5	0			
15	16QAM	1	0	15.69	15.64	15.67					
15	16QAM	1	37	15.65	15.54	15.65	17.5	0			
15	16QAM	1	74	15.56	15.70	15.71					
15	16QAM	36	0	15.64	15.61	15.57	17.5	0			
15	16QAM	36	20	15.70	15.52	15.63					
15	16QAM	36	39	15.55	15.51	15.69					
15	16QAM	75	0	15.58	15.60	15.74	17.5	0			
15	64QAM	1	0	15.61	15.67	15.68					
15	64QAM	1	37	15.51	15.66	15.68	17.5	0			
15	64QAM	1	74	15.73	15.55	15.68					
15	64QAM	36	0	15.66	15.56	15.62	17.5	0			
15	64QAM	36	20	15.69	15.50	15.66					
15	64QAM	36	39	15.50	15.57	15.60					
15	64QAM	75	0	15.61	15.69	15.69	17.5	0			
Channel				37800	38000	38200					
Frequency (MHz)				2575	2595	2615					
10	QPSK	1	0	15.52	15.71	15.70	17.5	0			
10	QPSK	1	25	15.51	15.64	15.58					
10	QPSK	1	49	15.60	15.63	15.62					
10	QPSK	25	0	15.63	15.53	15.51	17.5	0			
10	QPSK	25	12	15.59	15.71	15.64					
10	QPSK	25	25	15.69	15.66	15.57					
10	QPSK	50	0	15.65	15.57	15.63	17.5	0			
10	16QAM	1	0	15.59	15.55	15.56					
10	16QAM	1	25	15.77	15.62	15.69	17.5	0			
10	16QAM	1	49	15.68	15.58	15.65					
10	16QAM	25	0	15.51	15.51	15.77	17.5	0			
10	16QAM	25	12	15.70	15.50	15.58					
10	16QAM	25	25	15.61	15.58	15.65					
10	16QAM	50	0	15.61	15.67	15.70	17.5	0			
10	64QAM	1	0	15.70	15.64	15.64					
10	64QAM	1	25	15.60	15.68	15.64	17.5	0			
10	64QAM	1	49	15.56	15.63	15.66					
10	64QAM	25	0	15.54	15.61	15.70	17.5	0			
10	64QAM	25	12	15.58	15.65	15.60					
10	64QAM	25	25	15.66	15.63	15.50					
10	64QAM	50	0	15.71	15.57	15.73	17.5	0			
Channel				37775	38000	38225					
Frequency (MHz)				2572.5	2595	2617.5					
5	QPSK	1	0	15.52	15.58	15.66	17.5	0			
5	QPSK	1	12	15.62	15.63	15.70					
5	QPSK	1	24	15.67	15.54	15.50					
5	QPSK	12	0	15.53	15.62	15.70	17.5	0			
5	QPSK	12	7	15.70	15.63	15.52					
5	QPSK	12	13	15.66	15.76	15.63					
5	QPSK	25	0	15.71	15.72	15.64	17.5	0			
5	16QAM	1	0	15.62	15.77	15.56					
5	16QAM	1	12	15.53	15.63	15.56	17.5	0			
5	16QAM	1	24	15.72	15.50	15.53					
5	16QAM	12	0	15.60	15.58	15.54	17.5	0			
5	16QAM	12	7	15.64	15.55	15.51					
5	16QAM	12	13	15.59	15.61	15.59					
5	16QAM	25	0	15.73	15.76	15.74	17.5	0			
5	64QAM	1	0	15.65	15.62	15.53					
5	64QAM	1	12	15.59	15.57	15.66	17.5	0			
5	64QAM	1	24	15.60	15.70	15.53					
5	64QAM	12	0	15.50	15.53	15.52	17.5	0			
5	64QAM	12	7	15.64	15.63	15.58					
5	64QAM	12	13	15.69	15.56	15.59					
5	64QAM	25	0	15.51	15.56	15.62	17.5	0			

Band 41 Ant2 DSI1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	15.74	15.67	15.88	15.60	15.78	17.5	0
20	QPSK	1	49	15.67	15.67	15.76	15.72	15.71		
20	QPSK	1	99	15.63	15.65	15.85	15.64	15.54		
20	QPSK	50	0	15.63	15.68	15.80	15.56	15.62	17.5	0
20	QPSK	50	24	15.73	15.56	15.55	15.59	15.89		
20	QPSK	50	50	15.61	15.53	15.53	15.53	15.55		
20	QPSK	100	0	15.64	15.56	15.75	15.55	15.89	17.5	0
20	16QAM	1	0	15.50	15.57	15.57	15.64	15.53		
20	16QAM	1	49	15.62	15.50	15.78	15.63	15.83	17.5	0
20	16QAM	1	99	15.68	15.59	15.66	15.60	15.66		
20	16QAM	50	0	15.70	15.50	15.69	15.53	15.51	17.5	0
20	16QAM	50	24	15.55	15.60	15.83	15.58	15.52		
20	16QAM	50	50	15.68	15.54	15.78	15.62	15.75		
20	16QAM	100	0	15.54	15.51	15.66	15.51	15.89	17.5	0
20	64QAM	1	0	15.52	15.53	15.82	15.66	15.72		
20	64QAM	1	49	15.71	15.71	15.74	15.52	15.57	17.5	0
20	64QAM	1	99	15.62	15.61	15.67	15.71	15.55		
20	64QAM	50	0	15.51	15.66	15.80	15.60	15.67	17.5	0
20	64QAM	50	24	15.61	15.68	15.83	15.59	15.76		
20	64QAM	50	50	15.53	15.54	15.59	15.64	15.52	17.5	0
20	64QAM	100	0	15.62	15.64	15.65	15.58	15.52		
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	15.62	15.52	15.79	15.71	15.72	17.50	0
15	QPSK	1	37	15.61	15.56	15.64	15.64	15.63		
15	QPSK	1	74	15.64	15.63	15.84	15.53	15.61		
15	QPSK	36	0	15.56	15.65	15.63	15.72	15.76	17.5	0
15	QPSK	36	20	15.55	15.63	15.78	15.64	15.51		
15	QPSK	36	39	15.59	15.51	15.77	15.59	15.76		
15	QPSK	75	0	15.78	15.65	15.59	15.78	15.80	17.5	0



GSM850 Ant4 DSII

GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	30.69	30.74	30.57	31.50	21.69	21.74	21.57	22.50
GPRS 1 Tx slot	30.92	30.70	30.57	31.50	21.92	21.70	21.57	22.50
GPRS 2 Tx slots	28.40	28.46	28.38	29.00	22.40	22.46	22.38	23.00
GPRS 3 Tx slots	27.41	27.46	27.33	27.50	23.15	23.20	23.07	23.24
GPRS 4 Tx slots	25.22	25.20	25.12	26.00	22.22	22.20	22.12	23.00
EDGE 1 Tx slot	26.30	26.32	26.01	26.50	17.30	17.32	17.01	17.50
EDGE 2 Tx slots	23.43	23.32	23.31	23.50	17.43	17.32	17.31	17.50
EDGE 3 Tx slots	21.09	21.16	21.09	22.00	16.83	16.90	16.83	17.74
EDGE 4 Tx slots	19.75	19.77	19.89	20.50	16.75	16.77	16.89	17.50

GSM1900 Ant4 DSII

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	25.30	25.24	25.06	26.00	16.30	16.24	16.06	17.00
GPRS 1 Tx slot	25.34	25.09	25.38	26.00	16.34	16.09	16.38	17.00
GPRS 2 Tx slots	21.60	21.32	21.44	23.00	15.60	15.32	15.44	17.00
GPRS 3 Tx slots	20.12	20.12	20.05	21.50	15.86	15.86	15.79	17.24
GPRS 4 Tx slots	18.90	18.92	18.96	20.00	15.90	15.92	15.96	17.00
EDGE 1 Tx slot	21.92	21.95	21.97	23.00	12.92	12.95	12.97	14.00
EDGE 2 Tx slots	19.26	18.98	18.94	20.00	13.26	12.98	12.94	14.00
EDGE 3 Tx slots	17.59	17.67	17.55	18.50	13.33	13.41	13.29	14.24
EDGE 4 Tx slots	16.39	16.39	16.24	17.00	13.39	13.39	13.24	14.00

WCDMA II Ant4 DSII

WCDMA IV Ant4 DSII

WCDMA V Ant4 DSII

Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1513		4132	4182	4233		
TX Channel	9262	9400	9538		1312	1413	1513		4132	4182	4233		
Rx Channel	9662	9800	9938		1637	1638	1738		4357	4407	4458		
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6		
3GPP Rel 99	AMR 12.2kbps	19.69	19.66	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	20.81	20.84	21.00
3GPP Rel 6	HSDPA Subtest-4	18.30	18.48	18.32	19.00	19.33	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	21.30	21.12	21.50
3GPP Rel 8	DC-HSDPA Subtest-2	18.48	18.70	18.61	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	HSDPA 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	HSDPA 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	HSDPA 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	HSDPA Subtest-4	16.78	16.88	16.84	17.50	18.35	18.25	18.03	19.00	19.31	19.40	19.16	19.50
3GPP Rel 6	HSDPA 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 2 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								
Frequency (MHz)				18700	18800	18900		
20	QPSK	1	0	19.81	19.91	19.87		
20	QPSK	1	49	19.77	19.76	19.85	20.5	0
20	QPSK	1	99	19.66	19.75	19.83		
20	QPSK	50	0	19.75	19.67	19.79		
20	QPSK	50	24	19.62	19.75	19.77	20.5	0
20	QPSK	50	50	19.67	19.74	19.75		
20	QPSK	100	0	19.67	19.66	19.67		
20	16QAM	1	0	19.71	19.85	19.81		
20	16QAM	1	49	19.67	19.72	19.77	20.5	0
20	16QAM	1	99	19.61	19.64	19.78		
20	16QAM	50	0	19.63	19.74	19.72		
20	16QAM	50	24	19.59	19.69	19.69	20.5	0
20	16QAM	50	50	19.61	19.68	19.69		
20	16QAM	100	0	19.63	19.80	19.62		
20	64QAM	1	0	19.63	19.77	19.73		
20	64QAM	1	49	19.55	19.67	19.73	20.5	0
20	64QAM	1	99	19.51	19.51	19.66		
20	64QAM	50	0	19.59	19.69	19.69		
20	64QAM	50	24	19.54	19.53	19.57	20.5	0
20	64QAM	50	50	19.58	19.60	19.63		
20	64QAM	100	0	19.54	19.72	19.53		
Channel								
Frequency (MHz)				18675	18800	19125		
15	QPSK	1	0	19.73	19.66	19.75		
15	QPSK	1	37	19.67	19.71	19.80	20.5	0
15	QPSK	1	74	19.59	19.63	19.80		
15	QPSK	36	0	19.60	19.73	19.76		
15	QPSK	36	20	19.65	19.62	19.71	20.5	0
15	QPSK	36	39	19.52	19.67	19.63		
15	QPSK	75	0	19.54	19.50	19.61		
15	16QAM	1	0	19.56	19.70	19.71		
15	16QAM	1	37	19.59	19.62	19.72	20.5	0
15	16QAM	1	74	19.55	19.55	19.68		
15	16QAM	36	0	19.56	19.63	19.68		
15	16QAM	36	20	19.52	19.61	19.64	20.5	0
15	16QAM	36	39	19.47	19.64	19.56		
15	16QAM	75	0	19.59	19.75	19.67		
15	64QAM	1	0	19.59	19.64	19.58		
15	64QAM	1	37	19.50	19.62	19.60	20.5	0
15	64QAM	1	74	19.41	19.54	19.61		
15	64QAM	36	0	19.47	19.63	19.60		
15	64QAM	36	20	19.42	19.41	19.45	20.5	0
15	64QAM	36	39	19.51	19.46	19.52		
15	64QAM	75	0	19.50	19.69	19.61		
Channel								
Frequency (MHz)				18650	18800	19150		
10	QPSK	1	0	19.77	19.77	19.81		
10	QPSK	1	25	19.70	19.65	19.72	20.5	0
10	QPSK	1	49	19.59	19.61	19.74		
10	QPSK	25	0	19.62	19.77	19.65		
10	QPSK	25	12	19.69	19.64	19.70	20.5	0
10	QPSK	25	25	19.61	19.63	19.66		
10	QPSK	50	0	19.54	19.78	19.60		
10	16QAM	1	0	19.61	19.81	19.77		
10	16QAM	1	25	19.54	19.58	19.82	20.5	0
10	16QAM	1	49	19.56	19.53	19.73		
10	16QAM	25	0	19.67	19.61	19.65		
10	16QAM	25	12	19.48	19.57	19.60	20.5	0
10	16QAM	25	25	19.48	19.58	19.60		
10	16QAM	50	0	19.55	19.66	19.53		
10	64QAM	1	0	19.57	19.73	19.68		
10	64QAM	1	25	19.52	19.58	19.82	20.5	0
10	64QAM	1	49	19.38	19.53	19.59		
10	64QAM	25	0	19.53	19.53	19.55		
10	64QAM	25	12	19.49	19.46	19.55	20.5	0
10	64QAM	25	25	19.48	19.47	19.56		
10	64QAM	50	0	19.44	19.59	19.58		
Channel								
Frequency (MHz)				18625	18800	19175		
5	QPSK	1	0	19.72	19.79	19.83		
5	QPSK	1	12	19.62	19.70	19.74	20.5	0
5	QPSK	12	0	19.70	19.75	19.71		
5	QPSK	12	7	19.65	19.65	19.62	20.5	0
5	QPSK	12	13	19.58	19.63	19.65		
5	QPSK	25	0	19.59	19.81	19.60		
5	16QAM	1	0	19.61	19.84	19.70		
5	16QAM	1	12	19.58	19.64	19.70	20.5	0
5	16QAM	1	24	19.50	19.61	19.64		
5	16QAM	12	0	19.54	19.65	19.60		
5	16QAM	12	7	19.52	19.58	19.85	20.5	0
5	16QAM	12	13	19.50	19.63	19.56		
5	16QAM	25	0	19.59	19.69	19.55		
5	64QAM	1	0	19.59	19.69	19.66		
5	64QAM	1	12	19.50	19.56	19.64	20.5	0
5	64QAM	1	24	19.40	19.47	19.51		
5	64QAM	12	0	19.50	19.66	19.63		
5	64QAM	12	7	19.40	19.47	19.44	20.5	0
5	64QAM	12	13	19.52	19.56	19.56		
5	64QAM	25	0	19.50	19.64	19.64		
Channel								
Frequency (MHz)				18615	18800	19185		
3	QPSK	1	0	19.72	19.87	19.83		
3	QPSK	1	8	19.65	19.71	19.75	20.5	0
3	QPSK	1	14	19.51	19.70	19.76		
3	QPSK	8	0	19.69	19.73	19.75		
3	QPSK	8	4	19.64	19.70	19.72	20.5	0
3	QPSK	8	7	19.62	19.63	19.65		
3	QPSK	15	0	19.61	19.83	19.56		
3	16QAM	1	0	19.61	19.73	19.66		
3	16QAM	1	8	19.62	19.62	19.66	20.5	0
3	16QAM	1	14	19.46	19.52	19.55		
3	16QAM	8	0	19.48	19.65	19.58		
3	16QAM	8	4	19.49	19.40	19.53	20.5	0
3	16QAM	8	7	19.46	19.57	19.55		
3	16QAM	15	0	19.51	19.61	19.38		
Channel								
Frequency (MHz)				18607	18800	19193		
1.4	QPSK	1	0	19.78	19.84	19.80		
1.4	QPSK	1	3	19.72	19.82	19.73	20.5	0
1.4	QPSK	1	5	19.60	19.65	19.77		
1.4	QPSK	3	0	19.62	19.74	19.70		
1.4	QPSK	3	1	19.63	19.69	19.67		
1.4	QPSK	3	3	19.56	19.60	19.71	20.5	0
1.4	QPSK	6	0	19.53	19.75	19.56		
1.4	16QAM	1	0	19.61	19.70	19.72		
1.4	16QAM	1	3	19.58	19.68	19.67	20.5	0
1.4	16QAM	1	5	19.47	19.53	19.70		
1.4	16QAM	3	0	19.53	19.62	19.67		
1.4	16QAM	3	1	19.56	19.59	19.64	20.5	0
1.4	16QAM	3	3	19.56	19.55	19.55		
1.4	16QAM	6	0	19.49	19.70	19.55		
1.4	64QAM	1	0	19.54	19.73	19.63	20.5	0
1.4	64QAM	1	3	19.44	19.63	19.61		
1.4	64QAM	1	5	19.43	19.56	19.60		
1.4	64QAM	3	0	19.54	19.65	19.58	20.5	0
1.4	64QAM	3	1	19.42	19.45	19.46		
1.4	64QAM	3	3	19.49	19.52	19.50		
1.4	64QAM	6	0	19.50	19.67	19.41	20.5	0

Band 4 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								
Frequency (MHz)				20050	20175	20300		
20	QPSK	1	0	21.15	21.34	21.23		
20	QPSK	1	49	21.26	21.24	21.14	22	0
20	QPSK	1	99	21.19	21.23	21.21		
20	QPSK	50	0	21.14	21.27	21.12		
20	QPSK	50	24	21.08	21.23	21.11	22	0
20	QPSK	50	50	21.12	21.23	21.11		
20	QPSK	100	0	21.06	21.15	21.09		
20	16QAM	1	0	21.06	21.26	21.13		
20	16QAM	1	49	21.21	21.16	21.06	22	0
20	16QAM	1	99	21.13	21.18	21.16		
20	16QAM	50	0	21.11	21.21	21.07		
20	16QAM	50	24	21.01	21.07	21.11	22	0
20	16QAM	50	50	21.06	21.12	21.03		
20	16QAM	100	0	20.97	21.12	21.01		
20	64QAM	1	0	21.11	21.27	21.16		
20	64QAM	1	49	21.16	21.17	21.04	22	0
20	64QAM	1	99	21.11	21.17	21.13		
20								



Band 7 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									
Frequency (MHz)									
20	QPSK	1	0	18.41	18.49	18.47			
20	QPSK	1	49	18.40	18.44	18.41	19.5	0	
20	QPSK	1	99	18.40	18.32	18.34			
20	QPSK	50	0	18.35	18.45	18.33			
20	QPSK	50	24	18.21	18.20	18.18	19.5	0	
20	QPSK	50	50	18.18	18.25	18.33			
20	QPSK	100	0	18.28	18.31	18.22			
20	16QAM	1	0	18.40	18.45	18.41			
20	16QAM	1	49	18.38	18.30	18.37	19.5	0	
20	16QAM	1	99	18.25	18.34	18.36			
20	16QAM	50	0	18.25	18.42	18.29			
20	16QAM	50	24	18.13	18.16	18.07	19.5	0	
20	16QAM	50	50	18.21	18.21	18.24			
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	50	0	18.31	18.30	18.22			
20	64QAM	50	0	18.21	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									
Frequency (MHz)									
15	QPSK	1	0	18.16	18.14	18.23			
15	QPSK	1	37	18.12	18.10	18.09	19.5	0	
15	QPSK	1	74	18.10	17.98	18.09			
15	QPSK	36	0	18.07	18.18	18.09			
15	QPSK	36	20	17.90	18.05	17.90	19.5	0	
15	QPSK	36	39	17.88	17.89	18.02			
15	QPSK	75	0	17.92	17.98	17.96			
15	16QAM	1	0	18.06	18.12	17.91			
15	16QAM	1	37	18.06	17.93	18.15	19.5	0	
15	16QAM	1	74	18.01	18.05	18.05			
15	16QAM	36	0	17.95	18.05	18.06			
15	16QAM	36	20	17.84	17.88	17.74	19.5	0	
15	16QAM	36	39	17.88	17.85	17.88			
15	16QAM	75	0	18.06	18.12	17.91			
15	64QAM	1	0	18.10	18.20	18.24			
15	64QAM	1	37	18.15	17.98	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	17.96	18.02			
15	64QAM	75	0	17.90	18.09	17.89			
Channel									
Frequency (MHz)									
10	QPSK	1	0	18.09	18.20	18.11			
10	QPSK	1	25	18.12	18.20	18.12	19.5	0	
10	QPSK	1	49	18.10	18.04	17.98			
10	QPSK	25	0	18.02	18.14	18.04			
10	QPSK	25	12	17.93	18.03	17.89	19.5	0	
10	QPSK	25	25	17.89	17.93	17.97			
10	QPSK	50	0	18.00	17.99	17.92			
10	16QAM	1	0	18.15	18.25	18.15			
10	16QAM	1	25	18.03	17.96	18.14	19.5	0	
10	16QAM	1	49	17.93	18.05	18.00			
10	16QAM	25	0	17.96	18.18	18.05			
10	16QAM	25	12	17.77	17.82	17.84	19.5	0	
10	16QAM	25	25	17.94	17.97	17.91			
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	17.87	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									
Frequency (MHz)									
5	QPSK	1	0	18.14	18.21	18.20			
5	QPSK	1	12	18.03	18.19	18.13	19.5	0	
5	QPSK	1	24	18.12	18.00	18.09			
5	QPSK	12	0	18.05	18.08	17.97			
5	QPSK	12	7	17.90	17.94	17.81	19.5	0	
5	QPSK	12	13	17.82	17.95	18.06			
5	QPSK	25	0	17.95	17.95	17.89			
5	16QAM	1	0	18.13	18.17	18.10			
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	19.5	0	
5	16QAM	12	13	17.85	17.95	17.99			
5	16QAM	25	0	18.01	18.17	17.93			
5	64QAM	1	0	18.08	18.17	18.12			
5	64QAM	1	12	18.08	18.05	18.00	19.5	0	
5	64QAM	1	24	17.98	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									
Frequency (MHz)									
10	QPSK	1	0	25.07	25.27	25.10			
10	QPSK	1	25	25.04	25.15	25.14	25.5	0	
10	QPSK	1	49	25.00	25.07	25.04			
10	QPSK	25	0	24.07	24.27	24.09			
10	QPSK	25	12	24.08	24.21	24.04	24.5	1	
10	QPSK	25	25	24.23	24.22	23.98			
10	QPSK	50	0	24.10	24.16	24.15			
10	16QAM	1	0	24.18	24.25	24.38			
10	16QAM	1	25	24.39	24.48	24.28	24.5	1	
10	16QAM	1	49	24.42	24.33	24.22			
10	16QAM	25	0	23.10	23.01	23.27			
10	16QAM	25	12	23.29	23.29	23.17	23.5	2	
10	16QAM	25	25	23.29	23.13	23.16			
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	23.29	23.15	23.31			
10	64QAM	25	0	22.94	22.11	22.95			
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									
Frequency (MHz)									
5	QPSK	1	0	25.03	25.15	25.05			
5	QPSK	1	12	24.82	25.13	24.92	25.5	0	
5	QPSK	1	24	24.95	24.85	25.05			
5	QPSK	12	0	23.86	24.19	23.98			
5	QPSK	12	7	23.92	24.02	24.01	24.5	1	
5	QPSK	12	13	24.11	24.14	23.84			
5	QPSK	25	0	24.08	23.98	24.07			
5	16QAM	1	0	24.16	24.22	24.14	24.5	1	
5	16QAM	1	12	24.25	24.28	24.15			
5	16QAM	1	24	24.39	24.34	24.17			
5	16QAM	12	0	22.97	22.85	23.14			
5	16QAM	12	7	23.16	23.15	23.04	23.5	2	
5	16QAM	12	13	23.29	22.98	23.09			
5	16QAM	25	0	22.98	22.92	23.15			
5	64QAM	1	0	23.13	22.88	23.08			
5	64QAM	1	12	22.98	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									
Frequency (MHz)									
3	QPSK	1	0	25.05	25.10	24.97			
3	QPSK	1	8	24.86	24.95	25.04	25.5	0	
3	QPSK	1	14	24.93	24.85	24.92			
3	QPSK	8	0	24.01	24.06	23.95			
3	QPSK	8	4	23.90	24.18	23.98	24.5	1	
3	QPSK	8	7	24.11	24.11	23.87			
3	QPSK	1							



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										
Frequency (MHz)				700	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			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				
10	16QAM	1	0	24.38	24.34	24.24			24.5	1
10	16QAM	1	25	24.37	24.32	24.39				
10	16QAM	1	49	24.40	24.42	24.37				
10	16QAM	25	0	23.29	23.13	23.31			23.5	2
10	16QAM	25	12	23.25	23.09	23.25				
10	16QAM	25	25	23.25	23.06	23.10				
10	16QAM	50	0	23.26	23.28	23.17				
10	64QAM	1	0	23.23	23.30	23.24			23.5	2
10	64QAM	1	25	23.47	23.40	23.40				
10	64QAM	1	49	23.27	23.27	23.40				
10	64QAM	25	0	22.17	22.21	22.12			22.5	3
10	64QAM	25	12	22.25	22.33	22.28				
10	64QAM	25	25	22.11	22.19	22.10				
10	64QAM	50	0	22.07	22.15	22.14				
Channel										
Frequency (MHz)				7375	7370	73825				
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				
5	16QAM	1	0	24.49	24.37	24.28			24.5	1
5	16QAM	1	12	24.35	24.34	24.38				
5	16QAM	1	24	24.35	24.27	24.24				
5	16QAM	12	0	23.31	22.99	23.10			23.5	2
5	16QAM	12	7	23.09	22.89	23.22				
5	16QAM	12	13	23.17	23.24	23.04				
5	16QAM	25	0	23.15	23.10	22.98			23.5	2
5	64QAM	1	0	23.08	23.18	23.19				
5	64QAM	1	12	23.28	23.31	23.21				
5	64QAM	1	24	23.23	23.21	23.27				
5	64QAM	12	0	22.18	22.13	22.12			22.5	3
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 DS11										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
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			21.5	0
15	QPSK	36	20	21.11	21.23	21.18				
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			21.5	0
15	16QAM	1	37	21.07	21.27	21.27				
15	16QAM	1	74	21.25	21.25	21.12				
15	16QAM	36	0	21.26	21.27	21.23			21.5	0
15	16QAM	36	20	21.08	21.21	21.33				
15	16QAM	36	39	21.23	21.18	21.36				
15	16QAM	75	0	21.21	21.31	21.19				
15	64QAM	1	0	21.31	21.31	21.18			21.5	0
15	64QAM	1	37	20.88	21.19	21.23				
15	64QAM	1	74	21.14	21.31	21.09				
15	64QAM	36	0	21.28	21.28	21.10			21.5	0
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				
Channel										
Frequency (MHz)				26740	26865	26990				
10	QPSK	1	0	20.92	21.08	20.84			21.5	0
10	QPSK	1	49	20.85	20.88	20.85				
10	QPSK	25	0	21.00	20.97	20.89			21.5	0
10	QPSK	25	12	20.85	20.94	20.81				
10	QPSK	25	25	20.95	20.90	20.82				
10	QPSK	50	0	20.95	20.97	20.86				
10	16QAM	1	0	20.96	20.96	20.86			21.5	0
10	16QAM	1	25	20.83	20.98	20.95				
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			21.5	0
10	16QAM	25	25	20.99	20.90	21.03				
10	16QAM	50	0	20.96	20.96	20.86				
10	64QAM	1	0	21.00	21.05	20.89			21.5	0
10	64QAM	1	25	20.94	20.88	20.99				
10	64QAM	1	49	20.84	21.03	20.81				
10	64QAM	25	0	20.93	20.99	20.81			21.5	0
10	64QAM	25	12	20.93	20.93	20.89				
10	64QAM	25	25	20.97	20.99	20.96				
10	64QAM	50	0	20.75	21.03	20.87				
Channel										
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			21.5	0
5	QPSK	12	7	20.81	20.90	20.83				
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			21.5	0
5	16QAM	1	12	20.82	20.97	21.02				
5	16QAM	1	24	20.97	20.97	20.88				
5	16QAM	12	0	20.85	20.94	20.88			21.5	0
5	16QAM	12	7	20.89	20.88	20.99				
5	16QAM	12	13	20.87	20.88	21.12				
5	16QAM	25	0	20.97	20.98	20.84				
5	64QAM	1	0	20.97	20.99	20.85			21.5	0
5	64QAM	1	12	20.84	20.83	20.88				
5	64QAM	1	24	20.76	20.94	20.93				
5	64QAM	12	0	21.04	21.00	20.73			21.5	0
5	64QAM	12	7	20.87	20.96	20.98				
5	64QAM	12	13	21.03	20.91	20.97				
5	64QAM	25	0	20.75	21.07	20.87				
Channel										
Frequency (MHz)				26705	26865	27025				
3	QPSK	1	0	20.93	21.00	20.82			21.5	0
3	QPSK	1	14	20.79	20.90	20.72				
3	QPSK	8	0	20.91	20.97	20.88			21.5	0
3	QPSK	8	4	20.76	20.91	20.80				
3	QPSK	8	7	20.90	20.90	20.91				
3	QPSK	15	0	20.93	20.90	20.89			21.5	0
3	16QAM	1	0	20.92	20.88	20.95				
3	16QAM	1	8	20.81	21.00	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			21.5	0
3	16QAM	8	7	20.89	20.91	21.09				
3	16QAM	15	0	20.96	21.05	20.88				
3	64QAM	1	0	21.02	21.06	20.91			21.5	0
3	64QAM	1	8	20.71	20.85	20.96				
3	64QAM	1	14	20.88	20.99	20.74				
3	64QAM	8	0	20.93	20.95	20.78			21.5	0
3	64QAM	8	4	20.82	20.92</					



Band 38 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				37850	38000	38150				
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	84QAM	1	0	20.31	20.34	20.28				
20	84QAM	1	49	20.26	20.41	20.30	21.5	0		
20	84QAM	1	99	20.23	20.32	20.35				
20	84QAM	50	0	20.18	20.40	20.20				
20	84QAM	50	24	20.22	20.31	20.34	21.5	0		
20	84QAM	50	50	20.24	20.39	20.44				
20	84QAM	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				
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	84QAM	1	0	20.06	20.07	20.01				
15	84QAM	1	37	19.90	20.09	19.99	21.5	0		
15	84QAM	1	74	19.91	20.01	20.09				
15	84QAM	36	0	19.94	20.05	19.91				
15	84QAM	36	20	19.87	19.95	19.98	21.5	0		
15	84QAM	36	39	19.96	20.15	20.12				
15	84QAM	75	0	19.89	20.14	19.93				
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615				
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	84QAM	1	0	20.06	20.06	20.05				
10	84QAM	1	25	19.96	20.17	20.00	21.5	0		
10	84QAM	1	49	19.90	19.98	20.01				
10	84QAM	25	0	19.81	20.16	19.84				
10	84QAM	25	12	19.94	20.07	20.07	21.5	0		
10	84QAM	25	25	19.91	20.16	20.17				
10	84QAM	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				
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	84QAM	1	0	19.95	19.99	20.03				
5	84QAM	1	12	20.03	20.12	20.01	21.5	0		
5	84QAM	1	24	19.96	19.98	20.00				
5	84QAM	12	0	19.94	20.09	19.96				
5	84QAM	12	7	19.94	20.05	20.10	21.5	0		
5	84QAM	12	13	19.91	20.06	20.17				
5	84QAM	25	0	19.98	20.04	19.93				

Band 41 Ant4 DSI1												
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	20.43	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	84QAM	1	0	20.36	20.21	20.46	20.44	20.34				
20	84QAM	1	49	20.31	20.34	20.28	20.42	20.31	21.5	0		
20	84QAM	1	99	20.21	20.19	20.15	20.26	20.23				
20	84QAM	50	0	20.21	20.40	20.45	20.43	20.24				
20	84QAM	50	24	20.19	20.28	20.26	20.22	20.42	21.5	0		
20	84QAM	50	50	20.23	20.29	20.32	20.22	20.19				
20	84QAM	100	0	20.27	20.41	20.37	20.49	20.37				
Channel				39725	40173	40620	41058	41515	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2692.5				
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	19.94				
15	QPSK	36	0	19.97	20.08	20.10	20.09	20.07	21.5	0		
15	QPSK	36	20	19.89	20.03	19.95	19.89	20.05				
15	QPSK	36	39	19.88	20.06	20.05	19.88	20.00				
15	QPSK	75	0	20.05	20.08	20.12	20.00	20.07	21.5	0		
15	16QAM	1	0	19.97	19.98	20.13	20.09	20.05				
15	16QAM	1	37	20.04	20.07	19.88	20.11	19.94				
15	16QAM	1	74	19.90	20.00	19.86	19.93	19.98	21.5	0		
15	16QAM	36	0	19.80	20.16	20.15	20.00	19.92				
15	16QAM	36	20	19.90	19.97	19.89	19.73	19.93				
15	16QAM	36	39	19.80	19.95							



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	33.50	23.64	23.54	23.47	24.50
Frequency (MHz)	824.2	836.4	848.8	33.50	23.64	23.54	23.47	24.50
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	30.50	20.55	20.44	20.34	21.50
Frequency (MHz)	1850.2	1880	1909.8	30.50	20.55	20.44	20.34	21.50
GSM 1 Tx slot	29.55	29.44	29.34	30.50	20.55	20.44	20.34	21.50
GPRS 1 Tx slot	29.35	29.37	29.28	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)	
	9262	9400	9538		1312	1413	1513		4132	4182	4233		
TX Channel	9662	9800	9938	24.00	1637	1638	1738	4357	4407	4458	24.00		
Rx Channel	1852.4	1880	1907.6	20.46	20.19	20.45	21.50	826.4	836.4	846.6	24.50		
Frequency (MHz)	1852.4	1880	1907.6	20.46	20.19	20.45	21.50	826.4	836.4	846.6	24.50		
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	AMC 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	22.93	22.69	24.00
3GPP Rel 8	DC-HSDPA Subtest-1	22.18	22.15	22.13	23.00	20.56	20.45	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)				1860	1880	1900		
20	QPSK	1	0	23.17	23.32	23.21		
20	QPSK	1	49	23.14	23.26	23.12	24	0
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	23.08	23.09		
20	QPSK	50	50	23.07	23.13	23.09	23	1
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	23	1
20	16QAM	50	50	22.08	22.12	22.14		
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	23	1
20	64QAM	1	99	21.91	22.00	22.01		
20	64QAM	50	0	21.12	21.21	21.14		
20	64QAM	50	24	21.04	21.09	21.10		
20	64QAM	50	50	20.94	20.98	20.91	22	2
20	64QAM	100	0	21.12	21.18	21.09		
Channel								
Frequency (MHz)				18675	18800	19125		
15	QPSK	1	0	23.03	23.23	23.17		
15	QPSK	1	37	23.07	23.15	23.06	24	0
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	23.03	24	0
15	QPSK	36	39	23.04	23.05	23.04		
15	QPSK	75	0	22.99	23.07	23.06		
15	16QAM	1	0	22.87	22.96	22.83		
15	16QAM	1	37	22.92	22.94	22.93	23	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	22.11	23	1
15	16QAM	36	39	22.02	22.08	22.05		
15	16QAM	75	0	21.87	21.98	21.93		
15	64QAM	1	0	22.01	22.01	21.98		
15	64QAM	1	37	21.83	21.84	21.73	23	1
15	64QAM	1	74	21.84	21.94	21.94		
15	64QAM	36	0	21.13	21.13	21.06		
15	64QAM	36	20	20.98	21.05	21.06	22	2
15	64QAM	36	39	20.90	20.93	20.96		
15	64QAM	75	0	21.05	21.11	20.99		
Channel								
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	23.06	23.17	23.10		
10	QPSK	1	25	23.11	23.17	23.08	24	0
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	22.08		
10	16QAM	25	12	22.01	22.03	21.94	23	1
10	16QAM	25	25	22.01	22.05	22.06		
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	23	1
10	64QAM	1	49	21.79	21.82	21.84		
10	64QAM	25	0	21.16	21.15	21.04		
10	64QAM	25	12	20.96	20.99	21.00	22	2
10	64QAM	25	25	20.81	20.85	20.80		
10	64QAM	50	0	21.04	21.13	21.00		
Channel								
Frequency (MHz)				18625	18800	19175		
5	QPSK	1	0	23.05	23.21	23.09		
5	QPSK	1	12	23.09	23.12	23.09	24	0
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	23.00		
5	QPSK	25	0	23.00	23.10	22.97		
5	16QAM	1	0	22.84	22.92	22.80		
5	16QAM	1	12	22.91	22.92	22.80	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	23	1
5	16QAM	12	13	22.02	21.99	22.00		
5	16QAM	25	0	22.14	22.16	22.14		
5	64QAM	1	0	21.99	22.07	22.02		
5	64QAM	1	12	21.81	21.87	21.81	23	1
5	64QAM	1	24	21.81	21.91	21.88		
5	64QAM	12	0	21.08	21.10	21.07		
5	64QAM	12	7	20.92	21.00	21.00	22	2
5	64QAM	12	13	20.88	20.97	20.99		
5	64QAM	25	0	21.07	21.12	21.05		
Channel								
Frequency (MHz)				18615	18800	19185		
3	QPSK	1	0	23.07	23.19	23.09		
3	QPSK	1	8	23.06	23.19	23.01	24	0
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	22.89	24	0
3	QPSK	8	7	22.53	23.00	22.59		
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	23.06	22.90		
3	16QAM	8	0	22.14	22.16	22.14		
3	16QAM	8	4	21.90	21.97	22.02	23	1
3	16QAM	8	7	21.95	22.04	22.00		
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	23	1
3	64QAM	1	14	21.76	21.93	21.97		
3	64QAM	8	0	21.11	21.17	21.00		
3	64QAM	8	4	20.99	20.98	20.97	22	2
3	64QAM	8	7	20.89	20.90	20.78		
3	64QAM	15	0	21.04	21.08	21.03		
Channel								
Frequency (MHz)				18607	18800	19193		
1.4	QPSK	1	0	23.13	23.22	23.17		
1.4	QPSK	1	3	23.00	23.13	23.05	24	0
1.4	QPSK	1	5	23.06	23.13	23.07		
1.4	QPSK	3	0	23.08	23.11	23.01		
1.4	QPSK	3	1	22.92	22.96	23.03	24	0
1.4	QPSK	3	3	22.92	23.03	22.99		
1.4	QPSK	6	0	22.97	23.10	23.06		
1.4	16QAM	1	0	22.84	22.94	22.84		
1.4	16QAM	1	3	22.89	22.89	22.89	24	0
1.4	16QAM	1	5	22.99	23.06	22.95		
1.4	16QAM	3	0	23.12	23.17	23.19	24	0
1.4	16QAM	3	1	22.94	23.00	22.91		
1.4	16QAM	3	3	22.97	23.07	22.92		
1.4	16QAM	6	0	21.47	21.50	21.47	23	1
1.4	64QAM	1	0	22.01	22.10	22.00		
1.4	64QAM	1	3	21.84	21.81	21.75		
1.4	64QAM	1	5	21.80	21.94	21.97	23	1
1.4	64QAM	3	0	22.10	22.06	22.02		
1.4	64QAM	3	1	21.96	21.96	21.98		
1.4	64QAM	3	3	21.89	21.84	21.88		
1.4	64QAM	6	0	21.03	21.15	20.98	22	2

Band 4 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)				2035	2015	2035		
20	QPSK	1	0	22.60	22.69	22.60		
20	QPSK	1	49	22.60	22.59	22.54	23.5	0
20	QPSK	1	99	22.43	22.47	22.44		
20	QPSK	50	0	22.44	22.59	22.43		
20	QPSK	50	24	22.45	22.50	22.42	23.5	0
20	QPSK	50	50	22.46	22.50	22.42		
20	QPSK	100	0	22.44	22.46	22.40		
20	16QAM	1	0	22.63	22.59	22.59		
20	16QAM	1	49	22.50	22.48	22.48	23.5	0
20	16QAM	1	99	22.41	22.42	22.39		
20	16Q							



Band 7 Ant1 Default/DS12

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		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	24.40	24.43	24.37		
20	QPSK	1	49	24.32	24.30	24.40	25.5	0
20	QPSK	1	99	24.20	24.35	24.17		
20	QPSK	50	0	23.34	23.44	23.27		
20	QPSK	50	24	23.18	23.11	23.27	24.5	1
20	QPSK	50	50	23.32	23.33	23.24		
20	QPSK	100	0	23.16	23.25	23.22		
20	16QAM	1	0	23.33	23.16	23.32		
20	16QAM	1	49	23.11	23.23	23.36	24.5	1
20	16QAM	1	99	23.17	23.19	23.14		
20	16QAM	50	0	22.36	22.47	22.46		
20	16QAM	50	24	22.46	22.33	22.52	23.5	2
20	16QAM	50	50	22.38	22.13	22.22		
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	22.5	3
20	64QAM	50	24	21.39	21.45	21.34		
20	64QAM	50	50	21.28	21.16	21.64		
20	64QAM	100	0	21.32	21.39	21.34		
Channel				20825	21100	21375		
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		
15	QPSK	36	20	23.21	23.17	23.25	24.5	1
15	QPSK	36	39	23.33	23.29	23.23		
15	QPSK	75	0	23.24	23.24	23.25		
15	16QAM	1	0	23.20	23.25	23.18	24.5	1
15	16QAM	1	37	23.27	23.15	23.28		
15	16QAM	1	74	23.22	23.14	23.22		
15	16QAM	36	0	22.22	22.41	22.37		
15	16QAM	36	20	22.34	22.28	22.42	23.5	2
15	16QAM	36	39	22.25	22.22	22.18		
15	16QAM	75	0	22.20	22.23	22.25		
15	64QAM	1	0	22.16	22.23	22.25	23.5	2
15	64QAM	1	37	22.29	22.13	22.27		
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				20800	21100	21400		
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	24.18	24.32	24.14		
10	QPSK	25	0	23.37	23.44	23.24		
10	QPSK	25	12	23.15	23.12	23.28	24.5	1
10	QPSK	25	25	23.29	23.33	23.21		
10	QPSK	50	0	23.27	23.25	23.25		
10	16QAM	1	0	23.24	23.13	23.28	24.5	1
10	16QAM	1	25	23.29	23.14	23.22		
10	16QAM	1	49	23.15	23.29	23.24		
10	16QAM	25	0	22.27	22.40	22.42	23.5	2
10	16QAM	25	12	22.33	22.19	22.40		
10	16QAM	25	25	22.41	22.29	22.27		
10	16QAM	50	0	22.33	22.25	22.35		
10	64QAM	1	0	22.26	22.25	22.29	23.5	2
10	64QAM	1	25	22.27	22.28	22.31		
10	64QAM	1	49	22.22	22.29	22.16		
10	64QAM	25	0	21.19	21.24	21.45	22.5	3
10	64QAM	25	12	21.31	21.33	21.22		
10	64QAM	25	25	21.14	21.29	21.51		
10	64QAM	50	0	21.28	21.27	21.25		
Channel				20775	21100	21425		
Frequency (MHz)				2502.5	2538	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		
5	QPSK	12	7	23.17	23.27	23.31	24.5	1
5	QPSK	12	13	23.34	23.35	23.29		
5	QPSK	25	0	23.22	23.27	23.28		
5	16QAM	1	0	23.28	23.23	23.29	24.5	1
5	16QAM	1	12	23.25	23.10	23.23		
5	16QAM	1	24	23.24	23.13	23.21		
5	16QAM	12	0	22.30	22.43	22.41	23.5	2
5	16QAM	12	7	22.42	22.21	22.47		
5	16QAM	12	13	22.30	22.29	22.15		
5	16QAM	25	0	22.28	22.21	22.24		
5	64QAM	1	0	22.13	22.24	22.23	23.5	2
5	64QAM	1	12	22.28	22.15	22.36		
5	64QAM	1	24	22.13	22.25	22.21		
5	64QAM	12	0	21.28	21.30	21.52	22.5	3
5	64QAM	12	7	21.29	21.37	21.21		
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			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				23050	23095	23135		
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	24.51	24.70	24.54		
10	QPSK	1	25	24.45	24.52	24.39	25.5	0
10	QPSK	1	49	24.31	24.32	24.32		
10	QPSK	25	0	23.41	23.52	23.46		
10	QPSK	25	12	23.36	23.44	23.38	24.5	1
10	QPSK	25	25	23.41	23.48	23.46		
10	QPSK	50	0	23.38	23.44	23.35		
10	16QAM	1	0	23.38	23.36	23.32		
10	16QAM	1	25	23.50	23.47	23.51	24.5	1
10	16QAM	1	49	23.63	23.66	23.64		
10	16QAM	25	0	22.47	22.40	22.44	23.5	2
10	16QAM	25	12	22.43	22.42	22.59		
10	16QAM	25	25	22.51	22.52	22.51		
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	22.5	3
10	64QAM	25	12	21.40	21.34	21.45		
10	64QAM	25	25	21.47	21.41	21.48		
10	64QAM	50	0	21.57	21.35	21.49		
Channel				23035	23095	23155		
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		
5	QPSK	12	7	23.20	23.32	23.33	24.5	1
5	QPSK	12	13	23.32	23.33	23.41		
5	QPSK	25	0	23.29	23.40	23.27		
5	16QAM	1	0	23.34	23.21	23.46	24.5	1
5	16QAM	1	12	23.41	23.43	23.37		
5	16QAM	1	24	23.58	23.57	23.51		
5	16QAM	12	0	22.38	22.27	22.41	23.5	2
5	16QAM	12	7	22.35	22.32	22.38		
5	16QAM	12	13	22.39	22.38	22.38		
5	16QAM	25	0	22.41	22.35	22.39	23.5	2
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	21.63	21.29	21.42		
Channel				23025	23095	23165		
Frequency (MHz)				700.5	707.5	713.5		
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	14	24.46	24.35	24.52		
3	QPSK	8	0	23.30	23.40	23.35		
3	QPSK	8	4	23.43	23.31	23		



Band 17 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								
Frequency (MHz)				702	710	711		
10	QPSK	1	0	24.60	24.68	24.61		
10	QPSK	1	25	24.51	24.57	24.50	25.5	0
10	QPSK	1	49	24.49	24.59	24.61		
10	QPSK	25	0	23.50	23.84	23.74		
10	QPSK	25	12	23.76	23.76	23.76	24.5	1
10	QPSK	25	25	23.77	23.79	23.70		
10	QPSK	50	0	23.50	23.56	23.41		
10	16QAM	1	0	23.54	23.57	23.55		
10	16QAM	1	25	23.72	23.74	23.77	24.5	1
10	16QAM	1	49	23.89	23.79	23.91		
10	16QAM	25	0	22.61	22.60	22.64		
10	16QAM	25	12	22.57	22.50	22.52	23.5	2
10	16QAM	25	25	22.71	22.46	22.50		
10	16QAM	50	0	22.60	22.51	22.58		
10	84QAM	1	0	22.60	22.53	22.58		
10	84QAM	1	25	22.63	22.51	22.70	23.5	2
10	84QAM	1	49	22.69	22.59	22.54		
10	84QAM	25	0	21.53	21.57	21.57		
10	84QAM	25	12	21.74	21.77	21.69	22.5	3
10	84QAM	25	25	21.67	21.74	21.65		
10	84QAM	50	0	21.66	21.64	21.55		
Channel								
Frequency (MHz)				706.5	710	713.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	24.46	24.60	24.56		
5	QPSK	1	12	24.47	24.47	24.37	25.5	0
5	QPSK	1	24	24.42	24.48	24.53		
5	QPSK	12	0	23.35	23.80	23.61		
5	QPSK	12	7	23.69	23.70	23.66	24.5	1
5	QPSK	12	13	23.74	23.70	23.56		
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	24.5	1
5	16QAM	1	24	23.82	23.68	23.81		
5	16QAM	12	0	22.53	22.49	22.51		
5	16QAM	12	7	22.49	22.40	22.46	23.5	2
5	16QAM	12	13	22.63	22.35	22.46		
5	16QAM	25	0	22.46	22.36	22.44		
5	84QAM	1	0	22.55	22.49	22.48		
5	84QAM	1	12	22.53	22.43	22.65	23.5	2
5	84QAM	1	24	22.64	22.53	22.44		
5	84QAM	12	0	21.42	21.46	21.50		
5	84QAM	12	7	21.65	21.64	21.64	22.5	3
5	84QAM	12	13	21.54	21.65	21.58		
5	84QAM	25	0	21.63	21.59	21.41		

Band 26 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								
Frequency (MHz)				827.5	831.5	841.5		
15	QPSK	1	0	24.57	24.65	24.60		
15	QPSK	1	37	24.54	24.55	24.44	25.5	0
15	QPSK	1	74	24.53	24.59	24.52		
15	QPSK	36	0	23.80	23.81	23.76		
15	QPSK	36	20	23.84	23.81	23.78	24.5	1
15	QPSK	36	39	23.84	23.66	23.69		
15	QPSK	75	0	23.74	23.80	23.58		
15	16QAM	1	0	23.71	23.71	23.89		
15	16QAM	1	37	23.71	23.71	23.61	24.5	1
15	16QAM	1	74	23.84	23.72	23.77		
15	16QAM	36	0	22.86	22.84	22.81		
15	16QAM	36	20	22.99	22.88	22.83	23.5	2
15	16QAM	36	39	22.72	22.73	22.73		
15	16QAM	75	0	22.71	22.63	22.69		
15	84QAM	1	0	22.86	22.80	22.73		
15	84QAM	1	37	22.75	22.77	22.74	23.5	2
15	84QAM	1	74	22.69	22.64	22.72		
15	84QAM	36	0	21.82	21.86	21.88		
15	84QAM	36	20	21.88	21.76	21.84	22.5	3
15	84QAM	36	39	21.84	21.82	21.79		
15	84QAM	75	0	21.88	21.88	21.85		
Channel								
Frequency (MHz)				819	831.5	844	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	24.53	24.58	24.51		
10	QPSK	1	25	24.48	24.44	24.37	25.5	0
10	QPSK	1	49	24.39	24.52	24.45		
10	QPSK	25	0	23.74	23.75	23.64		
10	QPSK	25	12	23.59	23.67	23.73	24.5	1
10	QPSK	25	25	23.54	23.53	23.55		
10	QPSK	50	0	23.70	23.67	23.44		
10	16QAM	1	0	23.62	23.61	23.50		
10	16QAM	1	25	23.81	23.86	23.50	24.5	1
10	16QAM	1	49	23.54	23.63	23.73		
10	16QAM	25	0	22.53	22.58	22.66		
10	16QAM	25	12	22.53	22.44	22.80	23.5	2
10	16QAM	25	25	22.59	22.58	22.59		
10	16QAM	50	0	22.62	22.51	22.65		
10	84QAM	1	0	22.81	22.68	22.64	23.5	2
10	84QAM	1	25	22.67	22.66	22.66		
10	84QAM	1	49	22.56	22.55	22.62		
10	84QAM	25	0	21.70	21.61	21.73		
10	84QAM	25	12	21.81	21.67	21.73	22.5	3
10	84QAM	25	25	21.52	21.49	21.65		
10	84QAM	50	0	21.63	21.60	21.59		
Channel								
Frequency (MHz)				816.5	831.5	846.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	24.53	24.51	24.45		
5	QPSK	1	12	24.42	24.42	24.34	25.5	0
5	QPSK	1	24	24.43	24.46	24.48		
5	QPSK	12	0	23.77	23.69	23.66		
5	QPSK	12	7	23.59	23.65	23.71	24.5	1
5	QPSK	12	13	23.59	23.53	23.56		
5	QPSK	25	0	23.70	23.72	23.49		
5	16QAM	1	0	23.63	23.58	23.82		
5	16QAM	1	12	23.80	23.67	23.56	24.5	1
5	16QAM	1	24	23.54	23.63	23.64		
5	16QAM	12	0	22.62	22.50	22.69		
5	16QAM	12	7	22.62	22.47	22.62	23.5	2
5	16QAM	12	13	22.62	22.68	22.69		
5	16QAM	25	0	22.56	22.50	22.58		
5	84QAM	1	0	22.83	22.76	22.63	23.5	2
5	84QAM	1	12	22.88	22.63	22.62		
5	84QAM	1	24	22.62	22.57	22.56		
5	84QAM	12	0	21.69	21.60	21.75		
5	84QAM	12	7	21.80	21.65	21.73	22.5	3
5	84QAM	12	13	21.53	21.48	21.71		
5	84QAM	25	0	21.61	21.64	21.58		
Channel								
Frequency (MHz)				815.5	831.5	847.5	Tune-up limit (dBm)	MPR (dB)
3	QPSK	1	0	24.45	24.52	24.53		
3	QPSK	1	12	24.44	24.41	24.31	25.5	0
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	24.5	1
3	QPSK	8	7	23.59	23.54	23.59		
3	QPSK	15	0	23.69	23.68	23.44		
3	16QAM	1	0	23.57	23.64	23.86		
3	16QAM	1	8	23.85	23.82	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		
3	16QAM	8	4	22.55	22.49	22.50	23.5	2
3	16QAM	8	7	22.62	22.68	22.64		
3	16QAM	15	0	22.83	22.58	22.65		
3	84QAM	1	0	22.72	22.69	22.65		
3	84QAM	1	8	22.68	22.71	22.62	23.5	2
3	84QAM	1	14	22.64	22.51	22.64		
3	84QAM	8	0	21.77	21.60	21.76		
3	84QAM	8	4	21.83	21.69	21.71	22.5	3
3	84QAM	8	7	21.59	21.47	21.70		
3	84QAM	15	0	21.58	21.61	21.56		
Channel								
Frequency (MHz)				814.7	831.5	848.3	Tune-up limit (dBm)	MPR (dB)
1.4	QPSK	1	0	24.45	24.51	24.55		
1.4	QPSK	1	3	24.42	24.46	24.39	25.5	0
1.4	QPSK	1	5	24.41	24.54	24.48		
1.4	QPSK	3	0	24.48	24.48	24.45		
1.4	QPSK	3	1	24.37	24.39	24.33	24.5	1
1.4	QPSK	3	3	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		



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				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	24.32	24.42	24.38	25.5	0		
20	QPSK	1	49	24.27	24.16	24.21				
20	QPSK	1	99	24.25	24.30	24.24				
20	QPSK	50	0	23.20	23.31	23.21	24.5	1		
20	QPSK	50	24	23.14	23.24	23.23				
20	QPSK	50	50	23.22	23.21	23.28				
20	QPSK	100	0	23.22	23.24	23.14	24.5	1		
20	16QAM	1	0	23.27	23.39	23.22				
20	16QAM	1	49	23.28	23.40	23.40				
20	16QAM	1	99	23.33	23.24	23.30	23.5	2		
20	16QAM	50	0	22.32	22.29	22.46				
20	16QAM	50	24	22.19	22.12	22.27				
20	16QAM	50	50	22.13	22.27	22.28	23.5	2		
20	16QAM	100	0	22.22	22.16	22.27				
20	64QAM	1	0	22.23	22.19	22.15				
20	64QAM	1	49	22.21	22.14	22.19	22.5	3		
20	64QAM	1	99	22.13	22.18	22.22				
20	64QAM	50	0	21.36	21.46	21.50				
20	64QAM	50	24	21.48	21.56	21.46	22.5	3		
20	64QAM	50	50	21.42	21.27	21.72				
20	64QAM	100	0	21.42	21.56	21.28				
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	24.23	24.34	24.27	25.5	0		
15	QPSK	1	37	24.19	24.13	24.12				
15	QPSK	1	74	24.30	24.39	24.31				
15	QPSK	36	0	23.36	23.41	23.33	24.5	1		
15	QPSK	36	20	23.27	23.30	23.33				
15	QPSK	36	39	23.44	23.36	23.45				
15	QPSK	75	0	23.12	23.31	23.32	24.5	1		
15	16QAM	1	0	23.14	23.35	23.16				
15	16QAM	1	37	23.14	23.32	23.32				
15	16QAM	1	74	23.27	23.13	23.18	23.5	2		
15	16QAM	36	0	22.48	22.53	22.57				
15	16QAM	36	20	22.27	22.56	22.35				
15	16QAM	36	39	22.29	22.18	22.39	23.5	2		
15	16QAM	75	0	22.29	22.27	22.23				
15	64QAM	1	0	22.38	22.31	22.31				
15	64QAM	1	37	22.15	22.31	22.25	22.5	3		
15	64QAM	1	74	22.25	22.24	22.30				
15	64QAM	36	0	21.25	21.36	21.41				
15	64QAM	36	20	21.42	21.45	21.33	22.5	3		
15	64QAM	36	39	21.30	21.22	21.64				
15	64QAM	75	0	21.37	21.46	21.19				
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	24.22	24.30	24.21	25.5	0		
10	QPSK	1	25	24.38	24.24	24.30				
10	QPSK	1	49	24.33	24.37	24.32				
10	QPSK	25	0	23.31	23.48	23.33	24.5	1		
10	QPSK	25	12	23.21	23.32	23.37				
10	QPSK	25	25	23.48	23.38	23.45				
10	QPSK	50	0	23.16	23.36	23.39	24.5	1		
10	16QAM	1	0	23.21	23.28	23.31				
10	16QAM	1	25	23.22	23.32	23.36				
10	16QAM	1	49	23.24	23.17	23.20	23.5	2		
10	16QAM	25	0	22.20	22.29	22.37				
10	16QAM	25	12	22.13	22.26	22.23				
10	16QAM	25	25	22.19	22.15	22.37	23.5	2		
10	16QAM	50	0	22.39	22.22	22.20				
10	64QAM	1	0	22.33	22.33	22.32				
10	64QAM	1	25	22.28	22.25	22.21	22.5	3		
10	64QAM	1	49	22.24	22.31	22.33				
10	64QAM	25	0	21.32	21.37	21.40				
10	64QAM	25	12	21.42	21.46	21.42	22.5	3		
10	64QAM	25	25	21.33	21.16	21.58				
10	64QAM	50	0	21.30	21.49	21.19				
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	24.14	24.37	24.19	25.5	0		
5	QPSK	1	12	24.19	24.28	24.12				
5	QPSK	1	24	24.25	24.26	24.30				
5	QPSK	12	0	23.36	23.38	23.31	24.5	1		
5	QPSK	12	7	23.20	23.34	23.32				
5	QPSK	12	13	23.44	23.35	23.35				
5	QPSK	25	0	23.31	23.56	23.60	24.5	1		
5	16QAM	1	0	23.35	23.46	23.28				
5	16QAM	1	12	23.44	23.46	23.49				
5	16QAM	1	24	23.40	23.35	23.44	23.5	2		
5	16QAM	12	0	22.46	22.52	22.55				
5	16QAM	12	7	22.31	22.53	22.34				
5	16QAM	12	13	22.25	22.18	22.41	23.5	2		
5	16QAM	25	0	22.33	22.26	22.23				
5	64QAM	1	0	22.29	22.27	22.26				
5	64QAM	1	12	22.17	22.19	22.22	22.5	3		
5	64QAM	1	24	22.25	22.30	22.32				
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				
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				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	24.38	24.46	24.48	24.39	24.46	25.5	0		
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	24.5	1		
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				
20	16QAM	1	99	23.37	23.37	23.50	23.40	23.36	23.5	2		
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	23.5	2		
20	16QAM	100	0	22.23	22.31	22.40	22.35	22.28				
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	22.5	3		
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	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5				
15	QPSK	1	0	24.28	24.34	24.40	24.35	24.33	25.5	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	36	0	23.30	23.33	23.53	23.27	23.37	24.5	1		
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				
15	QPSK	75	0	23.37	23.54	23.58	23.42	23.45	24.5	1		
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	23.5	2		
15	16QAM	36	0	22.39	22.44	22.50	22.35	22.38				
15	16QAM	36	20	22.28	22.36	22.51	22.22	22.37				
15	16QAM	36	39	22.28	22.27							



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				
20	QPSK	50	24	20.29	20.31	20.27			22	1
20	QPSK	50	50	20.11	20.16	20.15				
20	QPSK	100	0	20.24	20.29	20.25				
20	16QAM	1	0	20.26	20.22	20.20				
20	16QAM	1	49	20.17	20.19	20.26			22	1
20	16QAM	1	99	20.15	20.17	20.15				
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	84QAM	1	0	19.12	19.18	19.14				
20	84QAM	1	49	19.15	19.11	19.15			21	2
20	84QAM	1	99	19.08	19.15	19.13				
20	84QAM	50	0	18.30	18.27	18.26				
20	84QAM	50	24	18.25	18.19	18.17				
20	84QAM	50	50	18.20	18.21	18.23			20	3
20	84QAM	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				
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	20.15				
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				
15	16QAM	36	39	19.18	19.19	19.14			21	2
15	16QAM	75	0	19.05	19.15	19.15				
15	84QAM	1	0	19.05	19.13	19.08				
15	84QAM	1	37	19.08	19.04	19.08			21	2
15	84QAM	1	74	19.02	19.08	19.06				
15	84QAM	36	0	18.24	18.22	18.17				
15	84QAM	36	20	18.17	18.10	18.08				
15	84QAM	36	39	18.15	18.12	18.17			20	3
15	84QAM	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				
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				
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	19.19	19.15	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	84QAM	1	0	19.04	19.10	19.09				
10	84QAM	1	25	19.08	19.02	19.09			21	2
10	84QAM	1	49	19.01	19.06	19.06				
10	84QAM	25	0	18.24	18.20	18.18				
10	84QAM	25	12	18.16	18.13	18.09			20	3
10	84QAM	25	25	18.11	18.15	18.15				
10	84QAM	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				
5	QPSK	12	7	20.01	20.09	20.15			22	1
5	QPSK	12	13	20.03	20.08	20.10				
5	QPSK	25	0	20.22	20.22	20.24				
5	16QAM	1	0	20.20	20.15	20.13				
5	16QAM	1	12	20.08	20.12	20.18			22	1
5	16QAM	1	24	20.07	20.10	20.08				
5	16QAM	12	0	19.23	19.23	19.19				
5	16QAM	12	7	19.20	19.13	19.18			21	2
5	16QAM	12	13	19.17	19.17	19.11				
5	16QAM	25	0	19.20	19.20	19.16				
5	84QAM	1	0	19.06	19.13	19.09				
5	84QAM	1	12	19.09	19.05	19.08			21	2
5	84QAM	1	24	19.06	19.08	19.07				
5	84QAM	12	0	18.25	18.21	18.18				
5	84QAM	12	7	18.19	18.10	18.12			20	3
5	84QAM	12	13	18.16	18.15	18.16				
5	84QAM	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				
3	QPSK	6	20	20.02	20.09	20.14			22	1
3	QPSK	6	7	20.03	20.10	20.07				
3	QPSK	15	0	20.25	20.18	20.23				
3	16QAM	1	0	20.19	20.14	20.12				
3	16QAM	1	8	20.11	20.11	20.17			22	1
3	16QAM	1	14	20.06	20.09	20.08				
3	16QAM	6	0	19.23	19.22	19.18				
3	16QAM	6	4	19.19	19.15	19.17			21	2
3	16QAM	6	7	19.17	19.16	19.11				
3	16QAM	15	0	19.30	19.22	19.18				
3	84QAM	1	0	19.07	19.12	19.06				
3	84QAM	1	8	19.09	19.03	19.09			21	2
3	84QAM	1	14	19.02	19.07	19.05				
3	84QAM	6	0	18.23	18.19	18.19				
3	84QAM	6	4	18.16	18.13	18.08			20	3
3	84QAM	6	7	18.12	18.13	18.15				
3	84QAM	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				
1.4	QPSK	3	1	21.03	21.09	21.09				
1.4	QPSK	3	3	21.03	21.03	21.01				
1.4	QPSK	6	0	20.24	20.22	20.24			22	1
1.4	16QAM	1	0	20.19	20.14	20.14				
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			22	1
1.4	16QAM	3	1	20.19	20.17	20.14				
1.4	16QAM	3	3	20.09	20.12	20.19				
1.4	16QAM	6	0	19.16	19.21	19.16			21	2
1.4	84QAM	1	0	19.07	19.11	19.05				
1.4	84QAM	1	3	19.09	19.04	19.08				
1.4	84QAM	1	5	19.02	19.09	19.06			21	2
1.4	84QAM	3	0	19.06	19.12	19.06				
1.4	84QAM	3	1	19.06	19.03	19.09				
1.4	84QAM	3	3	19.03	19.09	19.05				
1.4	84QAM	6	0	18.15	18.15	18.16			20	3

Band 7 Ant2 Default/DSI2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.					



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	19.18	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				
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				
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				
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				
Frequency (MHz)				2503.5	2548.3	2593	2637.8	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	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	20.08	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	20.08	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.						



GSM850 Ant4 Default/DS12

GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8	33.50	824.2	836.4	848.8	24.50
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 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8	30.50	1850.2	1880	1909.8	21.50
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			WCDMA V			Tune-up Limit (dBm)		
	9262	9400	9538		1312	1413	1513	4132	4182	4233			
TX Channel	9262	9400	9538	25.00	1312	1413	1513	4132	4182	4233	25.50		
Rx Channel	9662	9800	9938	25.00	1637	1638	1738	4357	4407	4458	25.50		
Frequency (MHz)	1852.4	1880	1907.6	25.00	1712.4	1732.6	1752.6	826.4	836.4	846.6	25.50		
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	AMR 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	23.66	23.53	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	HSDPA 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	HSDPA 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	HSDPA 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	HSDPA 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	HSDPA 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/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	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		
20	QPSK	50	24	23.24	23.29	23.28		
20	QPSK	50	50	23.23	23.27	23.24		
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	22.45	22.29		
20	16QAM	50	50	22.24	22.27	22.36		
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		
20	64QAM	50	0	21.89	21.57	21.70		
20	64QAM	50	24	21.65	21.57	21.54		
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	24.17	24.14	24.21		
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	23.18	23.14	23.15		
15	16QAM	1	37	22.98	23.08	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	22.41	22.22		
15	16QAM	36	39	22.11	22.15	22.28	23	2
15	16QAM	75	0	21.76	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	21.36	21.81	22	3
15	64QAM	75	0	21.47	21.39	21.37		
Channel								
Frequency (MHz)								
10	QPSK	1	0	24.24	24.36	24.29	25	0
10	QPSK	1	25	24.15	24.14	24.31		
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	23.20		
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	22.81	22.87	22.45		
10	16QAM	25	12	22.09	22.28	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	22.21		
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	21.44		
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	24.19	24.26	24.26		
5	QPSK	1	24	24.07	24.11	24.27		
5	QPSK	12	0	23.28	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	23.18	23.14	23.18		
5	16QAM	1	12	23.04	23.08	23.12	24	1
5	16QAM	1	24	23.11	23.06	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	21.84	21.74		
5	64QAM	1	0	22.21	22.24	22.29		
5	64QAM	1	12	21.98	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	22	3
5	64QAM	25	0	21.45	21.40	21.32		
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	24.18	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	22.29	22.41		
3	16QAM	8	4	22.09	22.32	22.14	23	2
3	16QAM	8	7	22.11	22.17	22.24		
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	21.43	21.40	21.71		
3	64QAM	15	0	21.42	21.37	21.39		
Channel								
Frequency (MHz)								
1.4	QPSK	1	0	24.25	24.26	24.24	25	0
1.4	QPSK	1	3	24.23	24.10	24.25		
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	23.23	23.22		
1.4	16QAM	1	3	23.08	23.22	23.08		
1.4	16QAM	1	5	23.17	23.18	23.18		
1.4	16QAM	3	0	23.17	23.11	23.11	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	22.49	22.40	22.52		
1.4	64QAM	1	0	22.03	22.14	22.06	23	2
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	22.26	22.14		
1.4	64QAM	3	3	22.09	22.20	22.06		
1.4	64QAM	6	0	21.46	21.45	21.60	22	3

Band 4 Ant4 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								
Frequency (MHz)								
20	QPSK	1	0	24.10	24.25	24.10	25	0
20	QPSK	1	49	24.14	24.13	24.00		
20	QPSK	1	99	23.95	24.12	24.05		
20	QPSK	50	0	23.12	23.25	23.14		
20	QPSK	50	24	23.03	23.29	23.14		
20	QPSK	50	50	23.08	23.20	23.14		
20	QPSK	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	21.98	22.03		
20	16QAM	50	50	22.06	22.33	22.22	23	2
20	16QAM	100	0	22.25	22.17	22.15		



Band 7 Ant4 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								
Frequency (MHz)				2590	2535	2560		
20	QPSK	1	0	24.28	24.40	24.37		
20	QPSK	1	49	24.07	24.08	24.13	25.5	0
20	QPSK	1	99	24.19	24.07	24.15		
20	QPSK	50	0	23.20	23.29	23.18		
20	QPSK	50	24	23.18	23.65	23.20	24.5	1
20	QPSK	50	50	22.99	22.99	23.13		
20	QPSK	100	0	22.95	23.26	23.20		
20	16QAM	1	0	23.09	23.00	23.08		
20	16QAM	1	49	23.14	23.00	23.02	24.5	1
20	16QAM	1	99	22.97	22.91	23.04		
20	16QAM	50	0	22.49	22.36	22.50		
20	16QAM	50	24	22.35	22.41	22.34	23.5	2
20	16QAM	50	50	22.59	22.53	22.69		
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	23.5	2
20	64QAM	1	99	21.95	22.07	21.99		
20	64QAM	50	0	21.26	21.31	21.42	24.5	1
20	64QAM	50	24	21.48	21.64	21.50		
20	64QAM	50	50	21.38	21.15	21.57	22.5	3
20	64QAM	100	0	20.94	21.06	20.99		
Channel								
Frequency (MHz)				20625	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	24.06	24.21	24.23		
15	QPSK	1	37	23.85	24.09	24.05	25.5	0
15	QPSK	1	74	24.11	23.89	24.02		
15	QPSK	36	0	23.13	23.24	23.14		
15	QPSK	36	20	23.03	22.96	23.00	24.5	1
15	QPSK	36	39	22.82	22.92	23.12		
15	QPSK	75	0	22.80	23.25	23.04		
15	16QAM	1	0	23.02	22.80	22.96		
15	16QAM	1	37	22.94	23.01	23.03	24.5	1
15	16QAM	1	74	22.88	22.82	22.91		
15	16QAM	36	0	22.30	22.39	22.58		
15	16QAM	36	20	22.29	22.57	22.33	23.5	2
15	16QAM	36	39	22.60	22.54	22.51		
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	20.99	21.35		
15	64QAM	75	0	20.82	21.01	20.82		
Channel								
Frequency (MHz)				20900	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
10	QPSK	1	0	24.26	24.28	24.36		
10	QPSK	1	25	23.97	24.06	24.00	25.5	0
10	QPSK	1	49	23.97	23.97	24.16		
10	QPSK	25	0	23.13	23.27	23.22		
10	QPSK	25	12	23.02	23.00	23.06	24.5	1
10	QPSK	25	25	22.96	22.86	22.93		
10	QPSK	50	0	22.96	23.15	23.13		
10	16QAM	1	0	23.02	22.78	22.93		
10	16QAM	1	25	23.04	22.85	22.80	24.5	1
10	16QAM	1	49	22.84	22.79	22.82		
10	16QAM	25	0	22.16	22.34	22.31		
10	16QAM	25	12	22.12	22.38	22.03	23.5	2
10	16QAM	25	25	22.03	21.96	22.12		
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	23.5	2
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	22.5	3
10	64QAM	25	25	21.35	21.07	21.49		
10	64QAM	50	0	20.88	20.94	20.78		
Channel								
Frequency (MHz)				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		
5	QPSK	1	12	23.86	23.91	23.96	25.5	0
5	QPSK	1	24	23.99	23.91	24.07		
5	QPSK	12	0	23.01	23.21	23.08		
5	QPSK	12	7	23.07	23.04	23.07	24.5	1
5	QPSK	12	13	22.92	22.96	23.03		
5	QPSK	25	0	22.78	23.20	23.17		
5	16QAM	1	0	23.11	22.89	22.89	24.5	1
5	16QAM	1	12	23.07	22.81	22.95		
5	16QAM	1	24	22.83	22.84	22.84		
5	16QAM	12	0	22.23	22.27	22.34		
5	16QAM	12	7	22.05	22.33	21.91	23.5	2
5	16QAM	12	13	22.26	22.26	22.25		
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	22.5	3
5	64QAM	12	13	21.31	21.07	21.14		
5	64QAM	25	0	20.63	20.65	20.80		

Band 12 Ant4 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								
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	25.07	25.27	25.10		
10	QPSK	1	25	25.04	25.15	25.14	25.5	0
10	QPSK	1	49	25.00	25.07	25.04		
10	QPSK	25	0	24.07	24.27	24.09		
10	QPSK	25	12	24.06	24.21	24.04	24.5	1
10	QPSK	25	25	24.23	24.22	23.99		
10	QPSK	50	0	24.10	24.16	24.15		
10	16QAM	1	0	24.18	24.25	24.16		
10	16QAM	1	25	24.39	24.48	24.28	24.5	1
10	16QAM	1	49	24.42	24.33	24.22		
10	16QAM	25	0	23.10	23.01	23.27		
10	16QAM	25	12	23.29	23.29	23.17	23.5	2
10	16QAM	25	25	23.29	23.13	23.16		
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	23.29	23.15	23.31		
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								
Frequency (MHz)				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		
5	QPSK	1	12	24.82	25.13	24.92	25.5	0
5	QPSK	1	24	24.95	24.85	25.05		
5	QPSK	12	0	23.86	24.19	23.98		
5	QPSK	12	7	23.92	24.02	24.01	24.5	1
5	QPSK	12	13	24.11	24.14	23.84		
5	QPSK	25	0	24.08	23.98	24.07		
5	16QAM	1	0	24.16	24.22	24.14		
5	16QAM	1	12	24.25	24.26	24.15	24.5	1
5	16QAM	1	24	24.39	24.34	24.17		
5	16QAM	12	0	22.97	22.85	23.14		
5	16QAM	12	7	23.16	23.15	23.04	23.5	2
5	16QAM	12	13	23.29	22.96	23.09		
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		
5	64QAM	12	13	22.14	21.88	22.16	22.5	3
5	64QAM	25	0	21.84	22.01	21.85		
Channel								
Frequency (MHz)				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				700.5	707.5	713.5		
3	QPSK	1	0	25.05	25.10	24.97		
3	QPSK	1	8	24.86	24.96	25.04	25.5	0
3	QPSK	1	14	24.93	24.85	24.92		
3	QPSK	8	0	24.01	24.06	23.95		
3	QPSK	8	4	23.90	24.16</			



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)	MPR (dB)	
Channel									
Frequency (MHz)				707	710	711			
10	QPSK	1	0	25.19	25.26	25.13			
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			
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			
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			
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			
10	64QAM	25	0	22.17	22.21	22.12			
10	64QAM	25	12	22.25	22.33	22.28			
10	64QAM	25	25	22.11	22.19	22.10			
10	64QAM	50	0	22.07	22.15	22.14			
Channel									
Frequency (MHz)				707.5	710	711.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	24.99	25.13	25.00			
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			
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			
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			
5	16QAM	25	0	23.15	23.10	22.98			
5	64QAM	1	0	23.08	23.18	23.19			
5	64QAM	1	12	23.28	23.31	23.21			
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			
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)				819.5	831.5	841.5			
15	QPSK	1	0	25.23	25.34	25.11			
15	QPSK	1	37	25.19	25.29	25.20			
15	QPSK	1	74	25.11	25.18	25.08			
15	QPSK	36	0	24.32	24.39	24.16			
15	QPSK	36	20	24.38	24.25	24.38			
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			
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			
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			
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			
15	64QAM	36	39	22.26	22.30	22.13			
15	64QAM	75	0	22.00	22.26	22.14			
Channel									
Frequency (MHz)				819	831.5	844	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	25.09	25.22	25.07			
10	QPSK	1	12	25.07	25.17	25.00			
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			
10	QPSK	25	25	24.21	24.15	24.08			
10	QPSK	50	0	24.09	24.23	24.13			
10	16QAM	1	0	23.30	23.34	23.33			
10	16QAM	1	25	24.05	24.02	24.19			
10	16QAM	1	49	24.24	24.25	23.96			
10	16QAM	25	0	23.26	23.30	23.25			
10	16QAM	25	12	23.41	23.12	23.39			
10	16QAM	25	25	23.18	23.17	23.20			
10	16QAM	50	0	23.14	23.22	23.00			
10	64QAM	1	0	23.14	23.22	23.00			
10	64QAM	1	25	22.80	23.05	23.11			
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			
10	64QAM	25	25	22.15	22.09	21.91			
10	64QAM	50	0	21.93	22.20	21.93			
Channel									
Frequency (MHz)				819.5	831.5	844.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	25.19	25.31	24.93			
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			
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			
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			
5	16QAM	12	0	23.20	23.31	23.12			
5	16QAM	12	7	23.04	23.26	23.34			
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			
5	64QAM	1	12	22.92	23.19	22.98			
5	64QAM	1	24	23.11	23.08	23.04			
5	64QAM	12	0	22.13	22.15	21.94			
5	64QAM	12	7	22.21	21.97	22.24			
5	64QAM	12	13	22.21	22.31	22.15			
5	64QAM	25	0	21.98	22.06	21.99			
Channel									
Frequency (MHz)				819.5	831.5	847.5	Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	25.23	25.22	24.90			
3	QPSK	1	12	25.07	25.17	25.12			
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			
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			
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			
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			
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			
3	64QAM	8	7	22.17	22.27	21.92			
3	64QAM	15	0	21.80	22.23	21.98			
Channel									
Frequency (MHz)				814.7	831.5	848.3	Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	25.09	25.17	25.07			
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	24.98			
1.4	QPSK	3							



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				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	24.49	24.50	24.42	25.5	0		
20	QPSK	1	49	24.39	24.45	24.42				
20	QPSK	1	99	24.26	24.31	24.22				
20	QPSK	50	0	23.45	23.50	23.47	24.5	1		
20	QPSK	50	24	23.30	23.29	23.25				
20	QPSK	50	50	23.29	23.33	23.30				
20	QPSK	100	0	23.23	23.26	23.21	24.5	1		
20	16QAM	1	0	23.37	23.37	23.32				
20	16QAM	1	49	23.22	23.26	23.16				
20	16QAM	1	99	23.21	23.31	23.25	23.5	2		
20	16QAM	50	0	22.44	22.44	22.39				
20	16QAM	50	24	22.32	22.34	22.27				
20	16QAM	50	50	22.22	22.28	22.20	23.5	2		
20	16QAM	100	0	22.39	22.39	22.31				
20	84QAM	1	0	22.33	22.32	22.28				
20	84QAM	1	49	22.40	22.45	22.35	23.5	2		
20	84QAM	1	99	22.36	22.39	22.32				
20	84QAM	50	0	21.40	21.47	21.45				
20	84QAM	50	24	21.46	21.50	21.42	22.5	3		
20	84QAM	50	50	21.28	21.31	21.24				
20	84QAM	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				
15	QPSK	1	0	24.43	24.39	24.38	25.5	0		
15	QPSK	1	37	24.33	24.30	24.35				
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	84QAM	1	0	22.22	22.28	22.19				
15	84QAM	1	37	22.30	22.34	22.24	23.5	2		
15	84QAM	1	74	22.27	22.25	22.25				
15	84QAM	36	0	21.32	21.34	21.42				
15	84QAM	36	20	21.39	21.45	21.38	22.5	3		
15	84QAM	36	39	21.16	21.22	21.16				
15	84QAM	75	0	21.31	21.38	21.40				
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	24.42	24.41	24.35	25.5	0		
10	QPSK	1	25	24.32	24.37	24.30				
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	84QAM	1	0	22.27	22.27	22.23				
10	84QAM	1	25	22.25	22.41	22.27	23.5	2		
10	84QAM	1	49	22.28	22.25	22.23				
10	84QAM	25	0	21.28	21.42	21.42				
10	84QAM	25	12	21.36	21.45	21.29	22.5	3		
10	84QAM	25	25	21.17	21.17	21.14				
10	84QAM	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				
5	QPSK	1	0	24.40	24.39	24.36	25.5	0		
5	QPSK	1	12	24.35	24.32	24.27				
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	84QAM	1	0	22.24	22.22	22.17				
5	84QAM	1	12	22.29	22.40	22.26	23.5	2		
5	84QAM	1	24	22.29	22.34	22.21				
5	84QAM	12	0	21.35	21.40	21.40				
5	84QAM	12	7	21.42	21.41	21.37	22.5	3		
5	84QAM	12	13	21.23	21.26	21.19				
5	84QAM	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				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	24.47	24.40	24.55	24.53	24.46	25.5	0		
20	QPSK	1	49	24.25	24.36	24.47	24.36	24.45				
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	24.5	1		
20	QPSK	50	24	23.27	23.39	23.38	23.45	23.37				
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	24.5	1		
20	16QAM	1	0	23.31	23.30	23.32	23.49	23.46				
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	23.5	2		
20	16QAM	50	0	22.18	22.38	22.30	22.26	22.20				
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	23.5	2		
20	16QAM	100	0	21.95	22.15	22.28	22.08	22.02				
20	84QAM	1	0	22.33	22.37	22.37	22.13	22.15				
20	84QAM	1	49	22.44	22.37	22.37	22.42	22.34	23.5	2		
20	84QAM	1	99	22.13	22.24	22.40	22.22	22.12				
20	84QAM	50	0	21.75	21.67	21.67	21.78	21.64				
20	84QAM	50	24	21.54	21.60	21.48	21.45	21.39	22.5	3		
20	84QAM	50	50	21.40	21.46	21.48	21.50	21.39				
20	84QAM	100	0	21.44	21.58	21.55	21.52	21.44				
Channel				39725	40173	40620	41056	41515	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2692.5				
15	QPSK	1	0	24.36	24.26	24.39	24.50	24.47	25.5	0		
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				
15	QPSK	36	0	23.02	23.43	23.41	23.33	23.23	24.5	1		
15	QPSK	36	20	23.02	23.19	23.20	23.15	23.26				
15	QPSK	36	39	23.17	23.28	23.38	23.14	23.05				
15	QPSK	75	0	23.23	23.34	23.35	23.36	23.41	24.5	1		
15	16QAM	1	0	23.09	23.21	23.29	23.49	23.47				
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	23.5	2		
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				
15	16QAM	36	39	22.12	22.35							



GSM850 Ant1 Default/DS13

GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8	33.50	23.64	23.54	23.47	24.50
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 DS13

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8	25.00	18.03	18.03	17.94	19.00
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	9262	9400	9538	20.00	1312	1413	1513	20.00	4132	4182	4233	20.00	
Rx Channel	9662	9800	9938	20.00	1637	1638	1738	20.00	4357	4407	4458	20.00	
Frequency (MHz)	1852.4	1880	1907.6	20.00	1712.4	1732.6	1752.6	20.00	826.4	836.4	846.6	20.00	
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	AMR 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	18.86	18.76	18.65	19.50	18.28	18.49	18.22	19.50	21.87	21.87	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	18.96	19.28	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	18.63	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 Ant1 DS13									
BW [MHz]	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	19.82	19.86	19.74			
20	QPSK	1	49	19.76	19.69	19.70	20.5	0	
20	QPSK	1	99	19.71	19.63	19.88			
20	QPSK	50	0	19.67	19.78	19.63			
20	QPSK	50	24	19.82	19.69	19.56	20.5	0	
20	QPSK	50	50	19.77	19.86	19.71			
20	QPSK	100	0	19.69	19.75	19.64			
20	16QAM	1	0	19.84	19.84	19.69			
20	16QAM	1	49	19.71	19.62	19.64	20.5	0	
20	16QAM	1	99	19.67	19.65	19.68			
20	16QAM	50	0	19.86	19.74	19.58			
20	16QAM	50	24	19.52	19.54	19.47	20.5	0	
20	16QAM	50	50	19.70	19.56	19.70			
20	16QAM	100	0	19.65	19.69	19.56			
20	64QAM	1	0	19.79	19.79	19.71			
20	64QAM	1	49	19.66	19.60	19.64	20.5	0	
20	64QAM	1	99	19.70	19.54	19.53			
20	64QAM	50	0	19.69	19.70	19.60			
20	64QAM	50	24	19.46	19.51	19.47	20.5	0	
20	64QAM	50	50	19.69	19.59	19.61			
20	64QAM	100	0	19.66	19.75	19.59			
Channel									
Frequency (MHz)									
15	QPSK	1	0	19.77	19.81	19.69			
15	QPSK	1	37	19.72	19.62	19.60	20.5	0	
15	QPSK	1	74	19.64	19.63	19.66			
15	QPSK	36	0	19.57	19.70	19.57			
15	QPSK	36	20	19.48	19.52	19.50	20.5	0	
15	QPSK	36	39	19.76	19.59	19.88			
15	QPSK	75	0	19.59	19.72	19.55			
15	16QAM	1	0	19.76	19.64	19.84			
15	16QAM	1	37	19.68	19.62	19.59	20.5	0	
15	16QAM	1	74	19.59	19.64	19.68			
15	16QAM	36	0	19.59	19.68	19.57			
15	16QAM	36	20	19.45	19.50	19.46	20.5	0	
15	16QAM	36	39	19.66	19.46	19.78			
15	16QAM	75	0	19.63	19.71	19.46			
15	64QAM	1	0	19.75	19.73	19.82			
15	64QAM	1	37	19.61	19.62	19.62	20.5	0	
15	64QAM	1	74	19.65	19.44	19.64			
15	64QAM	36	0	19.64	19.70	19.57			
15	64QAM	36	20	19.39	19.42	19.45	20.5	0	
15	64QAM	36	39	19.63	19.54	19.45			
15	64QAM	75	0	19.57	19.69	19.52			
Channel									
Frequency (MHz)									
10	QPSK	1	0	19.79	19.83	19.64			
10	QPSK	1	25	19.77	19.62	19.71	20.5	0	
10	QPSK	1	49	19.68	19.53	19.66			
10	QPSK	25	0	19.69	19.71	19.56			
10	QPSK	25	12	19.50	19.55	19.55	20.5	0	
10	QPSK	25	25	19.69	19.62	19.66			
10	QPSK	50	0	19.63	19.68	19.60			
10	16QAM	1	0	19.82	19.75	19.67			
10	16QAM	1	25	19.62	19.53	19.65	20.5	0	
10	16QAM	1	49	19.67	19.56	19.69			
10	16QAM	25	0	19.62	19.71	19.54			
10	16QAM	25	12	19.44	19.52	19.49	20.5	0	
10	16QAM	25	25	19.65	19.51	19.62			
10	16QAM	50	0	19.61	19.59	19.56			
10	64QAM	1	0	19.75	19.78	19.84			
10	64QAM	1	25	19.67	19.56	19.64	20.5	0	
10	64QAM	1	49	19.68	19.50	19.63			
10	64QAM	25	0	19.60	19.74	19.60			
10	64QAM	25	12	19.46	19.45	19.49	20.5	0	
10	64QAM	25	25	19.64	19.60	19.53			
10	64QAM	50	0	19.65	19.65	19.51			
Channel									
Frequency (MHz)									
5	QPSK	1	0	19.80	19.82	19.70			
5	QPSK	1	12	19.66	19.60	19.59	20.5	0	
5	QPSK	1	24	19.66	19.60	19.59			
5	QPSK	12	0	19.69	19.69	19.54			
5	QPSK	12	7	19.51	19.56	19.57	20.5	0	
5	QPSK	12	13	19.68	19.57	19.58			
5	QPSK	25	0	19.69	19.71	19.59			
5	16QAM	1	0	19.68	19.81	19.69			
5	16QAM	1	12	19.69	19.55	19.61	20.5	0	
5	16QAM	1	24	19.65	19.60	19.69			
5	16QAM	12	0	19.63	19.75	19.55			
5	16QAM	12	7	19.46	19.44	19.40	20.5	0	
5	16QAM	12	13	19.65	19.52	19.66			
5	16QAM	25	0	19.66	19.64	19.46			
5	64QAM	1	0	19.76	19.71	19.65			
5	64QAM	1	12	19.64	19.55	19.65	20.5	0	
5	64QAM	1	24	19.67	19.47	19.60			
5	64QAM	12	0	19.65	19.65	19.58			
5	64QAM	12	7	19.46	19.48	19.43	20.5	0	
5	64QAM	12	13	19.62	19.60	19.52			
5	64QAM	25	0	19.62	19.60	19.52			
5	64QAM	25	0	19.62	19.71	19.59			
Channel									
Frequency (MHz)									
3	QPSK	1	0	19.79	19.76	19.68			
3	QPSK	1	8	19.78	19.71	19.72	20.5	0	
3	QPSK	1	14	19.70	19.55	19.64			
3	QPSK	8	0	19.65	19.71	19.50			
3	QPSK	8	4	19.49	19.50	19.45	20.5	0	
3	QPSK	8	7	19.72	19.61	19.67			
3	QPSK	15	0	19.60	19.73	19.58			
3	16QAM	1	0	19.84	19.81	19.71			
3	16QAM	1	8	19.62	19.62	19.64	20.5	0	
3	16QAM	1	14	19.67	19.59	19.70			
3	16QAM	8	0	19.67	19.61	19.57			
3	16QAM	8	4	19.53	19.55	19.37	20.5	0	
3	16QAM	8	7	19.61	19.47	19.70			
3	16QAM	15	0	19.63	19.70	19.48			
3	64QAM	1	0	19.76	19.73	19.69			
3	64QAM	1	8	19.63	19.53	19.65	20.5	0	
3	64QAM	1	14	19.69	19.55	19.57			
3	64QAM	8	0	19.67	19.73	19.58			
3	64QAM	8	4	19.44	19.44	19.46	20.5	0	
3	64QAM	8	7	19.64	19.59	19.60			
3	64QAM	15	0	19.60	19.70	19.53			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	19.82	19.77	19.73			
1.4	QPSK	1	3	19.69	19.70	19.62	20.5	0	
1.4	QPSK	1	5	19.70	19.60	19.62			
1.4	QPSK	3	0	19.64	19.78	19.54			
1.4	QPSK	3	1	19.53	19.49	19.53			
1.4	QPSK	3	3	19.70	19.56	19.53			
1.4	QPSK	6	0	19.60	19.65	19.66	20.5	0	
1.4	16QAM	1	0	19.73	19.59	19.60			
1.4	16QAM	1	3	19.73	19.58	19.63			
1.4	16QAM	1	5	19.57	19.65	19.64	20.5	0	
1.4	16QAM	3	0	19.59	19.65	19.49			
1.4	16QAM	3	1	19.47	19.47	19.41			
1.4	16QAM	3	3	19.62	19.46	19.62			
1.4	16QAM	6	0	19.67	19.67	19.52	20.5	0	
1.4	64QAM	1	0	19.73	19.73	19.69			
1.4	64QAM	1	3	19.62	19.60	19.59			
1.4	64QAM	1	5	19.68	19.55	19.53	20.5	0	
1.4	64QAM	3	0	19.61	19.68	19.57			
1.4	64QAM	3	1	19.43	19.43	19.42			
1.4	64QAM	3	3	19.71	19.57	19.51			
1.4	64QAM	6	0	19.63	19.49	19.49	20.5	0	

Band 4 Ant1 DS13									
BW [MHz]	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	19.61	19.62	19.50			
20	QPSK	1	49	19.58	19.57	19.61	20.5	0	
20	QPSK	1	99	19.53	19.48	19.53			
20	QPSK	50	0	19.39	19.59	19.43			
20	QPSK	50							



Band 7 Ant1 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)				2310	2335	2360		
20	QPSK	1	0	18.31	18.41	18.37		
20	QPSK	1	49	18.33	18.28	18.24	19.5	0
20	QPSK	1	99	18.26	18.34	18.35		
20	QPSK	50	0	18.36	18.38	18.32		
20	QPSK	50	24	18.32	18.24	18.32	19.5	0
20	QPSK	50	50	18.24	18.34	18.29		
20	QPSK	100	0	18.30	18.34	18.31		
20	16QAM	1	0	18.28	18.36	18.29		
20	16QAM	1	49	18.26	18.23	18.16	19.5	0
20	16QAM	1	99	18.22	18.25	18.29		
20	16QAM	50	0	18.33	18.34	18.25		
20	16QAM	50	24	18.23	18.16	18.27	19.5	0
20	16QAM	50	50	18.21	18.24	18.22		
20	16QAM	100	0	18.21	18.24	18.20		
20	84QAM	1	0	18.27	18.32	18.31		
20	84QAM	1	49	18.25	18.24	18.18	19.5	0
20	84QAM	1	99	18.20	18.27	18.28		
20	84QAM	50	0	18.29	18.29	18.26		
20	84QAM	50	24	18.23	18.13	18.24	19.5	0
20	84QAM	50	50	18.20	18.27	18.26		
20	84QAM	100	0	18.26	18.26	18.28		
Channel				20625	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		
15	QPSK	1	37	18.26	18.18	18.13	19.5	0
15	QPSK	1	74	18.15	18.27	18.31		
15	QPSK	36	0	18.28	18.23	18.29		
15	QPSK	36	20	18.20	18.10	18.27	19.5	0
15	QPSK	36	39	18.18	18.30	18.23		
15	QPSK	75	0	18.21	18.21	18.16		
15	16QAM	1	0	18.15	18.23	18.23		
15	16QAM	1	37	18.18	18.11	18.08	19.5	0
15	16QAM	1	74	18.19	18.14	18.23		
15	16QAM	36	0	18.19	18.29	18.20		
15	16QAM	36	20	18.19	18.10	18.16	19.5	0
15	16QAM	36	39	18.06	18.17	18.17		
15	16QAM	75	0	18.17	18.23	18.17		
15	84QAM	1	0	18.17	18.23	18.17	19.5	0
15	84QAM	1	37	18.12	18.17	18.12		
15	84QAM	1	74	18.12	18.22	18.18		
15	84QAM	36	0	18.21	18.17	18.16		
15	84QAM	36	20	18.16	18.02	18.14	19.5	0
15	84QAM	36	39	18.12	18.20	18.13		
15	84QAM	75	0	18.14	18.23	18.16		
Channel				22900	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	18.22	18.30	18.31		
10	QPSK	1	25	18.27	18.22	18.10	19.5	0
10	QPSK	1	49	18.19	18.23	18.27		
10	QPSK	25	0	18.21	18.30	18.25		
10	QPSK	25	12	18.29	18.20	18.25	19.5	0
10	QPSK	25	25	18.18	18.30	18.24		
10	QPSK	50	0	18.25	18.20	18.25		
10	16QAM	1	0	18.13	18.28	18.16		
10	16QAM	1	25	18.13	18.14	18.10	19.5	0
10	16QAM	1	49	18.16	18.18	18.15		
10	16QAM	25	0	18.23	18.20	18.18		
10	16QAM	25	12	18.14	18.11	18.23	19.5	0
10	16QAM	25	25	18.11	18.14	18.14		
10	16QAM	50	0	18.08	18.09	18.16		
10	84QAM	1	0	18.20	18.20	18.28		
10	84QAM	1	25	18.21	18.20	18.15	19.5	0
10	84QAM	1	49	18.07	18.21	18.15		
10	84QAM	25	0	18.24	18.25	18.21		
10	84QAM	25	12	18.11	18.05	18.14	19.5	0
10	84QAM	25	25	18.07	18.13	18.18		
10	84QAM	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		
5	QPSK	1	12	18.21	18.15	18.18	19.5	0
5	QPSK	1	24	18.22	18.20	18.30		
5	QPSK	12	0	18.25	18.30	18.26		
5	QPSK	12	7	18.16	18.14	18.26	19.5	0
5	QPSK	12	13	18.18	18.24	18.26		
5	QPSK	25	0	18.26	18.23	18.17		
5	16QAM	1	0	18.20	18.29	18.18		
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	19.5	0
5	16QAM	12	13	18.15	18.12	18.14		
5	16QAM	25	0	18.16	18.14	18.10		
5	84QAM	1	0	18.20	18.20	18.17		
5	84QAM	1	12	18.16	18.12	18.12	19.5	0
5	84QAM	1	24	18.07	18.13	18.16		
5	84QAM	12	0	18.25	18.21	18.20		
5	84QAM	12	7	18.13	18.06	18.09	19.5	0
5	84QAM	12	13	18.06	18.24	18.12		
5	84QAM	25	0	18.22	18.19	18.15		

Band 12 Ant1 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)				2360	2395	2430		
10	QPSK	1	0	24.51	24.59	24.54		
10	QPSK	1	25	24.45	24.52	24.39	25.5	0
10	QPSK	1	49	24.31	24.32	24.32		
10	QPSK	25	0	23.41	23.52	23.46		
10	QPSK	25	13	23.38	23.44	23.38	24.5	1
10	QPSK	25	25	23.41	23.48	23.46		
10	QPSK	50	0	23.39	23.44	23.35		
10	16QAM	1	0	23.38	23.36	23.32		
10	16QAM	1	25	23.50	23.47	23.51	24.5	1
10	16QAM	1	49	23.63	23.66	23.64		
10	16QAM	25	0	22.47	22.40	22.44		
10	16QAM	25	12	22.43	22.42	22.50	23.5	2
10	16QAM	25	25	22.51	22.52	22.51		
10	16QAM	50	0	22.51	22.49	22.50		
10	84QAM	1	0	22.47	22.45	22.58		
10	84QAM	1	25	22.33	22.38	22.31	23.5	2
10	84QAM	1	49	22.49	22.31	22.28		
10	84QAM	25	0	21.44	21.46	21.52	24.5	1
10	84QAM	25	12	21.40	21.34	21.45		
10	84QAM	25	25	21.47	21.41	21.38	22.5	3
10	84QAM	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		
5	QPSK	1	12	24.41	24.40	24.28	25.5	0
5	QPSK	1	24	24.44	24.39	24.49		
5	QPSK	12	0	23.38	23.39	23.41		
5	QPSK	12	7	23.20	23.32	23.33	24.5	1
5	QPSK	12	13	23.32	23.33	23.41		
5	QPSK	25	0	23.29	23.40	23.27		
5	16QAM	1	0	23.24	23.21	23.48	24.5	1
5	16QAM	1	12	23.41	23.43	23.37		
5	16QAM	1	24	23.58	23.57	23.51		
5	16QAM	12	0	22.38	22.27	22.41		
5	16QAM	12	7	22.35	22.32	22.38	23.5	2
5	16QAM	12	13	22.39	22.38	22.38		
5	16QAM	25	0	22.41	22.35	22.39		
5	84QAM	1	0	22.33	22.41	22.50		
5	84QAM	1	12	22.20	22.29	22.48	23.5	2
5	84QAM	1	24	22.43	22.22	22.44		
5	84QAM	12	0	21.32	21.42	21.45		
5	84QAM	12	7	21.32	21.23	21.34	22.5	3
5	84QAM	12	13	21.44	21.28	21.34		
5	84QAM	25	0	21.53	21.29	21.42		
Channel				23025	23095	23155	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				700.5	707.5	714.5		
3	QPSK	1	0	24.40	24.51	24.29		
3	QPSK	1	8	24.32	24.44	24.33	25.5	0
3	QPSK	1	14	24.46	24.35	24.52		
3	QPSK	8	0	23.30	23.40	23.35		
3	QPSK	8	4	23.43	23.31	23.29	24.5	1
3	QPSK	8	7	23.37	23.43	23.40		
3	QPSK	15	0	23.35	23.29	23.26		
3	16QAM	1	0	23.33	23.31	23.24		
3	16QAM	1	8	23.43	23.42	23.43	24.5	1
3	16QAM	1	14	23.56	23.61	23.51		
3	16QAM	8	0	22.41	22.30	22.28	23.5	2
3	16QAM	8	4	22.38	22.28	22.44		
3	16QAM	8	7	22.47	22.47	22.46	23.5	2
3	16QAM	15	0	22.42	22.37	22.40		
3	84QAM	1	0	22.41	22.39	22.55		
3	84QAM	1	8	22.19	22.30	22.48	23.5	2
3	84QAM	1	14	22.38	22.28	22.44		
3	84QAM	8	0	21.37	21.40	21.45		
3	84QAM	8	4	21.35	21.21	21.33	22.5	3
3	84QAM	8	7	21.37	21.31	21.23		
3	84QAM	15	0	21.47	21.25	21.36		
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				699.7	707.5	716.3		
1.4	QPSK	1	0	24.46	24.44	24.32		
1.4	QPSK	1	3	24.37	24.45	24.31	25.5	0
1.4	QPSK	1	5	24.47	24.29	24.56		
1.4	QPSK	3	0	24.22	24.41	24.34		
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.		



Band 17 Ant1 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				23760	23790	23800				
Frequency (MHz)				706	710	711				
10	QPSK	1	0	23.44	23.62	23.58				
10	QPSK	1	25	23.51	23.45	23.53	24.5	0		
10	QPSK	1	49	23.47	23.56	23.42				
10	QPSK	25	0	23.37	23.52	23.52				
10	QPSK	25	12	23.34	23.52	23.55	24.5	0		
10	QPSK	25	25	23.47	23.51	23.50				
10	QPSK	50	0	23.31	23.44	23.23				
10	16QAM	1	0	23.34	23.32	23.32				
10	16QAM	1	25	23.57	23.59	23.55	24.5	0		
10	16QAM	1	49	23.46	23.51	23.48				
10	16QAM	25	0	22.39	22.42	22.45				
10	16QAM	25	12	22.41	22.37	22.35	23.5	1		
10	16QAM	25	25	22.57	22.35	22.38				
10	16QAM	50	0	22.46	22.28	22.44				
10	16QAM	1	0	22.44	22.30	22.38				
10	64QAM	1	25	22.42	22.29	22.56	23.5	1		
10	64QAM	1	49	22.56	22.37	22.36				
10	64QAM	25	0	21.36	21.37	21.42				
10	64QAM	25	12	21.56	21.59	21.54	22.5	2		
10	64QAM	25	25	21.48	21.53	21.41				
10	64QAM	50	0	21.45	21.51	21.33				
Channel				23755	23790	23825				
Frequency (MHz)				706.5	710	713.5	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	23.41	23.56	23.51				
5	QPSK	1	12	23.37	23.36	23.39	24.5	0		
5	QPSK	1	24	23.39	23.47	23.27				
5	QPSK	12	0	23.27	23.50	23.39				
5	QPSK	12	7	23.42	23.48	23.52	24.5	0		
5	QPSK	12	13	23.41	23.38	23.45				
5	QPSK	25	0	23.21	23.30	23.15				
5	16QAM	1	0	23.24	23.10	23.23				
5	16QAM	1	12	23.54	23.53	23.48	24.5	0		
5	16QAM	1	24	23.36	23.38	23.41				
5	16QAM	12	0	22.27	22.29	22.32				
5	16QAM	12	7	22.29	22.29	22.19	23.5	1		
5	16QAM	12	13	22.45	22.28	22.23				
5	16QAM	25	0	22.41	22.10	22.31				
5	64QAM	1	0	22.39	22.15	22.26				
5	64QAM	1	12	22.37	22.24	22.52	23.5	1		
5	64QAM	1	24	22.52	22.34	22.28				
5	64QAM	12	0	21.26	21.32	21.32				
5	64QAM	12	7	21.49	21.52	21.44	22.5	2		
5	64QAM	12	13	21.40	21.38	21.27				
5	64QAM	25	0	21.42	21.41	21.23				

Band 26 Ant1 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				23765	23805	23850				
Frequency (MHz)				811.5	831.5	841.5	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	24.57	24.65	24.60				
15	QPSK	1	37	24.54	24.55	24.44	25.5	0		
15	QPSK	1	74	24.53	24.59	24.52				
15	QPSK	36	0	23.80	23.81	23.76				
15	QPSK	36	20	23.86	23.82	23.72	24.5	1		
15	QPSK	36	39	23.64	23.66	23.69				
15	QPSK	75	0	23.74	23.80	23.58				
15	16QAM	1	0	23.71	23.71	23.89				
15	16QAM	1	37	23.71	23.71	23.61	24.5	1		
15	16QAM	1	74	23.64	23.72	23.77				
15	16QAM	36	0	22.86	22.84	22.81				
15	16QAM	36	20	22.89	22.88	22.83	23.5	2		
15	16QAM	36	39	22.72	22.73	22.73				
15	16QAM	75	0	22.71	22.63	22.66				
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	21.66	21.88				
15	64QAM	36	20	21.88	21.76	21.84	22.5	3		
15	64QAM	36	39	21.64	21.62	21.79				
15	64QAM	75	0	21.68	21.68	21.65				
Channel				26740	26885	26960	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				819	831.5	844	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	24.53	24.58	24.51				
10	QPSK	1	25	24.48	24.44	24.37	25.5	0		
10	QPSK	1	49	24.39	24.52	24.45				
10	QPSK	25	0	23.74	23.75	23.64				
10	QPSK	25	12	23.59	23.67	23.73	24.5	1		
10	QPSK	25	25	23.54	23.53	23.55				
10	QPSK	50	0	23.70	23.67	23.44				
10	16QAM	1	0	23.57	23.62	23.86				
10	16QAM	1	25	23.61	23.56	23.50	24.5	1		
10	16QAM	1	49	23.54	23.63	23.73				
10	16QAM	25	0	22.53	22.58	22.66				
10	16QAM	25	12	22.53	22.44	22.60	23.5	2		
10	16QAM	25	25	22.59	22.56	22.59				
10	16QAM	50	0	22.60	22.52	22.55				
10	64QAM	1	0	22.81	22.88	22.84				
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	21.69	21.59				
Channel				26715	26855	27015	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				816.5	831.5	846.5	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	24.53	24.51	24.45				
5	QPSK	1	12	24.42	24.42	24.34	25.5	0		
5	QPSK	1	24	24.43	24.46	24.48				
5	QPSK	12	0	23.77	23.69	23.66				
5	QPSK	12	7	23.69	23.65	23.71	24.5	1		
5	QPSK	12	13	23.59	23.53	23.56				
5	QPSK	25	0	23.70	23.72	23.49				
5	16QAM	1	0	23.63	23.58	23.82				
5	16QAM	1	12	23.60	23.67	23.56	24.5	1		
5	16QAM	1	24	23.54	23.63	23.64				
5	16QAM	12	0	22.62	22.50	22.69				
5	16QAM	12	7	22.52	22.47	22.52	23.5	2		
5	16QAM	12	13	22.62	22.68	22.69				
5	16QAM	25	0	22.56	22.50	22.58				
5	64QAM	1	0	22.83	22.76	22.83				
5	64QAM	1	12	22.68	22.63	22.62	23.5	2		
5	64QAM	1	24	22.62	22.58	22.62				
5	64QAM	12	0	21.89	21.80	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	26885	27025	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				815.5	831.5	847.5	Tune-up limit (dBm)	MPR (dB)		
3	QPSK	1	0	24.45	24.52	24.53				
3	QPSK	1	8	24.44	24.41	24.32	25.5	0		
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	24.5	1		
3	QPSK	8	7	23.59	23.54	23.59				
3	QPSK	15	0	23.69	23.68	23.44				
3	16QAM	1	0	23.67	23.64	23.86				
3	16QAM	1	8	23.65	23.62	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				
3	16QAM	8	4	22.55	22.49	22.50	23.5	2		
3	16QAM	8	7	22.62	22.68	22.64				
3	64QAM	1	0	22.72	22.69	22.65				
3	64QAM	1	8	22.68	22.71	22.62	23.5	2		
3	64QAM	1	14	22.64	22.51	22.64				
3	64QAM	8	0	21.77	21.60	21.76				
3	64QAM	8	4	21.83	21.89	21.71	22.5	3		
3	64QAM	8	7	21.59	21.47	21.70				
3	64QAM	15	0	21.58	21.61	21.56				
Channel				26697	26885	27033	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				814.7	831.5	848.3	Tune-up limit (dBm)	MPR (dB)		
1.4	QPSK	1	0	24.45	24.51	24.55				
1.4	QPSK	1	3	24.42	24.46	24.39	25.5	0		
1.4	QPSK	1	5	24.41	24.54	24.48				
1.4	QPSK	3	0	24.48	24.48	24.45				
1.4	QPSK	3	1	24.37	24.39	24.33	24.5	1		
1.4	QPSK	3	3	24.34	24.48	24.32				
1.4	QPSK	6	0	23.67	23.76	23.63	34.5	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</					



Band 38 Ant1 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	20.28	20.39	20.31	21.5	0		
20	QPSK	1	49	20.24	20.14	20.15				
20	QPSK	1	99	20.31	20.35	20.33				
20	QPSK	50	0	20.31	20.35	20.27	21.5	0		
20	QPSK	50	24	20.20	20.25	20.24				
20	QPSK	50	50	20.34	20.28	20.28				
20	QPSK	100	0	20.03	20.26	20.23	21.5	0		
20	16QAM	1	0	20.15	20.33	20.25				
20	16QAM	1	49	20.16	20.10	20.11				
20	16QAM	1	99	20.20	20.28	20.21	21.5	0		
20	16QAM	50	0	20.25	20.29	20.14				
20	16QAM	50	24	20.16	20.22	20.19				
20	16QAM	50	50	20.21	20.19	20.17	21.5	0		
20	16QAM	100	0	20.08	20.21	20.19				
20	64QAM	1	0	20.22	20.35	20.24				
20	64QAM	1	49	20.18	20.05	20.11	21.5	0		
20	64QAM	1	99	20.22	20.31	20.21				
20	64QAM	50	0	20.21	20.32	20.18				
20	64QAM	50	24	20.11	20.15	20.16	21.5	0		
20	64QAM	50	50	20.29	20.24	20.17				
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				
15	QPSK	1	0	20.17	20.24	20.25	21.5	0		
15	QPSK	1	37	20.11	20.03	20.05				
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				
15	16QAM	1	74	20.10	20.23	20.16	21.5	0		
15	16QAM	36	0	20.15	20.18	20.04				
15	16QAM	36	20	20.08	20.15	20.09				
15	16QAM	36	39	20.13	20.10	20.11	21.5	0		
15	16QAM	75	0	20.04	20.08	20.14				
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				
15	64QAM	36	20	20.05	20.04	20.11	21.5	0		
15	64QAM	36	39	20.15	20.14	20.11				
15	64QAM	75	0	19.91	20.13	20.10				
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	20.23	20.31	20.27	21.5	0		
10	QPSK	1	25	20.14	20.08	20.05				
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				
10	16QAM	1	49	20.12	20.18	20.17	21.5	0		
10	16QAM	25	0	20.13	20.19	20.08				
10	16QAM	25	12	20.04	20.17	20.04				
10	16QAM	25	25	20.12	20.06	20.13	21.5	0		
10	16QAM	50	0	19.94	20.16	20.15				
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				
10	64QAM	25	12	20.08	20.01	20.08	21.5	0		
10	64QAM	25	25	20.19	20.18	20.04				
10	64QAM	50	0	19.98	20.03	20.03				
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	20.16	20.24	20.22	21.5	0		
5	QPSK	1	12	20.21	20.00	20.02				
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				
5	QPSK	25	0	19.97	20.12	20.10	21.5	0		
5	16QAM	1	0	20.07	20.28	20.21				
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				
5	16QAM	12	13	20.17	20.15	20.08	21.5	0		
5	16QAM	25	0	20.01	20.11	20.04				
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				
5	64QAM	12	7	20.03	20.08	20.10	21.5	0		
5	64QAM	12	13	20.25	20.20	20.06				
5	64QAM	25	0	19.95	20.11	20.10				

Band 41 Ant1 DSI3												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power 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 (dBm)	MPR (dB)		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5				
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	2						



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	21.24			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				
20	QPSK	50	24	20.11	20.16	20.21			22	1
20	QPSK	100	0	20.24	20.26	20.25				
20	16QAM	1	0	20.26	20.22	20.20				
20	16QAM	1	49	20.17	20.19	20.26			22	1
20	16QAM	1	99	20.15	20.17	20.15				
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	84QAM	1	0	19.12	19.18	19.14				
20	84QAM	1	49	19.15	19.11	19.15			21	2
20	84QAM	1	99	19.08	19.15	19.13				
20	84QAM	50	0	18.30	18.27	18.26				
20	84QAM	50	24	18.25	18.19	18.17				
20	84QAM	50	50	18.20	18.21	18.23			20	3
20	84QAM	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				
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				
15	16QAM	36	20	19.17	19.19	19.15				
15	16QAM	36	39	19.18	19.19	19.14			21	2
15	16QAM	75	0	19.26	19.21	19.16				
15	84QAM	1	0	19.05	19.13	19.08				
15	84QAM	1	37	19.08	19.04	19.08			21	2
15	84QAM	1	74	19.02	19.08	19.06				
15	84QAM	36	0	18.24	18.22	18.17				
15	84QAM	36	20	18.17	18.10	18.08				
15	84QAM	36	39	18.15	18.12	18.17			20	3
15	84QAM	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				
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				
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	19.28	19.15	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	84QAM	1	0	19.04	19.10	19.09				
10	84QAM	1	25	19.08	19.02	19.09			21	2
10	84QAM	1	49	19.00	19.06	19.06				
10	84QAM	25	0	18.24	18.20	18.18				
10	84QAM	25	12	18.16	18.13	18.09			20	3
10	84QAM	25	25	18.11	18.15	18.15				
10	84QAM	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	21.07	21.03				
5	QPSK	1	24	21.04	21.04	21.01				
5	QPSK	12	0	20.23	20.20	20.25				
5	QPSK	12	7	20.01	20.09	20.15			22	1
5	QPSK	12	13	20.03	20.08	20.10				
5	QPSK	25	0	20.22	20.22	20.23				
5	16QAM	1	0	20.15	20.12	20.13			22	1
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			21	2
5	16QAM	12	13	19.17	19.17	19.11				
5	16QAM	25	0	19.29	19.19	19.16				
5	84QAM	1	0	19.08	19.13	19.09				
5	84QAM	1	12	19.09	19.05	19.08			21	2
5	84QAM	1	24	19.06	19.08	19.07				
5	84QAM	12	0	18.25	18.21	18.18				
5	84QAM	12	7	18.19	18.10	18.12			20	3
5	84QAM	12	13	18.14	18.12	18.16				
5	84QAM	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				
3	QPSK	6	4	20.03	20.09	20.14			22	1
3	QPSK	6	7	20.03	20.10	20.07				
3	QPSK	15	0	20.25	20.18	20.23				
3	16QAM	1	0	20.19	20.14	20.12				
3	16QAM	1	8	20.11	20.11	20.17			22	1
3	16QAM	1	14	20.06	20.09	20.08				
3	16QAM	6	0	19.23	19.22	19.18				
3	16QAM	6	4	19.19	19.15	19.17			21	2
3	16QAM	6	7	19.17	19.16	19.11				
3	16QAM	15	0	19.30	19.22	19.18				
3	84QAM	1	0	19.07	19.12	19.06				
3	84QAM	1	8	19.09	19.03	19.09			21	2
3	84QAM	1	14	19.02	19.07	19.05				
3	84QAM	6	0	18.23	18.19	18.19				
3	84QAM	6	4	18.16	18.13	18.08			20	3
3	84QAM	6	7	18.12	18.13	18.15				
3	84QAM	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	21	21.01	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				
1.4	QPSK	3	1	21.03	21.09	21.09				
1.4	QPSK	3	3	21.03	21.03	21.01				
1.4	QPSK	6	0	20.24	20.22	20.24			22	1
1.4	16QAM	1	0	20.19	20.14	20.14				
1.4	16QAM	1	3	20.11	20.14	20.21				
1.4	16QAM	1	5	20.07	20.12	20.06			22	1
1.4	16QAM	3	0	20.21	20.16	20.24				
1.4	16QAM	3	1	20.19	20.17	20.14				
1.4	16QAM	3	3	20.09	20.12	20.19				
1.4	16QAM	6	0	19.07	19.11	19.05			21	2
1.4	84QAM	1	3	19.09	19.04	19.08				
1.4	84QAM	1	5	19.02	19.09	19.06			21	2
1.4	84QAM	3	0	19.06	19.12	19.06				
1.4	84QAM	3	1	19.06	19.03	19.09				
1.4	84QAM	3	3	19.03	19.09	19.05				
1.4	84QAM	6	0	18.15	18.15	18.16			20	3

Band 7 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	21.28	21.34	21.23				

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	20.36	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		
20	16QAM	1	0	20.22	20.27	20.16	22	1
20	16QAM	1	49	20.31	20.38	20.28		
20	16QAM	1	99	20.18	20.29	20.19		
20	16QAM	50	0	19.18	19.25	19.11		
20	16QAM	50	24	19.08	19.23	19.12	21	2
20	16QAM	50	50	19.12	19.27	19.15		
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	19.18	19.07		
20	64QAM	50	0	18.26	18.37	18.32		
20	64QAM	50	24	18.34	18.38	18.25		
20	64QAM	50	50	18.23	18.36	18.22	20	3
20	64QAM	100	0	18.27	18.34	18.22		
15	QPSK	1	0	21.07	21.28	21.06		
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		
15	QPSK	36	20	20.11	20.11	20.12	22	1
15	QPSK	36	39	20.15	20.17	20.10		
15	QPSK	75	0	20.04	20.19	20.03		
15	16QAM	1	0	20.10	20.22	20.07		
15	16QAM	1	37	20.27	20.23	20.24	22	1
15	16QAM	1	74	20.07	20.16	20.15		
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		
15	64QAM	1	74	19.03	19.03	19.22	21	2
15	64QAM	36	0	18.17	18.34	18.24		
15	64QAM	36	20	18.28	18.31	18.11		
15	64QAM	36	39	18.16	18.32	18.08		
15	64QAM	75	0	18.19	18.19	18.15	20	3
10	QPSK	1	0	21.15	21.22	21.11		
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		
10	16QAM	1	0	20.18	20.19	20.13	22	1
10	16QAM	1	25	20.20	20.28	20.17		
10	16QAM	1	49	20.13	20.14	20.06		
10	16QAM	25	0	19.12	19.12	19.01		
10	16QAM	25	12	19.11	19.20	19.07	21	2
10	16QAM	25	25	19.03	19.23	19.04		
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		
10	64QAM	25	25	18.19	18.23	18.10	20	3
10	64QAM	50	0	18.17	18.27	18.10		
5	QPSK	1	0	21.05	21.19	21.12		
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		
5	QPSK	12	7	20.05	20.15	20.06	22	1
5	QPSK	12	13	20.18	20.16	20.15		
5	QPSK	25	0	20.06	20.19	20.03		
5	16QAM	1	0	20.15	20.19	20.12		
5	16QAM	1	12	20.27	20.27	20.21	22	1
5	16QAM	1	24	20.11	20.15	20.09		
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		
5	64QAM	1	24	19.01	19.07	19.03	21	2
5	64QAM	12	0	18.22	18.28	18.29		
5	64QAM	12	7	18.24	18.29	18.14		
5	64QAM	12	13	18.14	18.25	18.15		
5	64QAM	25	0	18.12	18.29	18.16	20	3
5	64QAM	25	7	18.16	18.14	18.17		
5	64QAM	25	13	18.07	18.10	18.12		
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				
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				
20	16QAM	1	0	20.15	20.20	20.29	20.19	20.23	22	1		
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				
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	21	2		
20	16QAM	50	50	19.24	19.28	19.31	19.28	19.27				
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	64QAM	50	50	18.17	18.17	18.26	18.21	18.14	20	3		
20	64QAM	100	0	18.10	18.19	18.24	18.16	18.13				
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	36	0	20.15	20.14	20.22	20.17	20.12				
15	QPSK	36	20	20.10	20.22	20.27	20.17	20.13	22	1		
15	QPSK	36	39	20.08	20.08	20.21	20.10	20.21				
15	QPSK	75	0	20.15	20.11	20.20	20.23	20.12				
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	22	1		
15	16QAM	1	74	20.08	20.13	20.18	20.11	20.20				
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				
15	64QAM	1	74	19.09	19.04	19.12	19.05	19.05	21	2		
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				
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	20	3		
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				
10	QPSK	25	12	20.12	20.20	20.29	20.24	20.09	22	1		
10	QPSK	25	25	20.15	20.10	20.14						



GSM850 Ant4 Default/DS13

GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8	33.50	824.2	836.4	848.8	24.50
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 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8	30.50	1850.2	1880	1909.8	21.50
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	23.37	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	9262	9400	9538	25.00	1312	1413	1513	25.00	4132	4182	4233	25.00	
Rx Channel	9682	9800	9938	25.00	1637	1638	1738	25.00	4357	4407	4458	25.00	
Frequency (MHz)	1852.4	1880	1907.6	25.00	1712.4	1732.6	1752.6	25.00	826.4	836.4	846.6	25.00	
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	AMR 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	23.66	23.53	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/DS13											
BW (MHz)	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	24.20					
20	QPSK	50	0	23.32	23.38	23.35					
20	QPSK	50	24	23.24	23.29	23.28	25	1			
20	QPSK	50	50	23.27	23.29	23.20					
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	22.45	22.29	23	2			
20	16QAM	50	50	22.24	22.27	22.38					
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	21.39	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	21.56	21.50	21.50					
Channel											
Frequency (MHz)											
15	QPSK	1	0	24.25	24.31	24.29					
15	QPSK	1	49	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	24	1			
15	QPSK	36	39	23.08	23.22	23.15					
15	QPSK	75	0	23.11	23.25	23.15					
15	16QAM	1	0	23.01	23.14	23.15	25	1			
15	16QAM	1	37	22.98	23.08	23.10					
15	16QAM	1	74	23.12	23.03	23.07					
15	16QAM	36	0	22.30	22.35	22.47	23	2			
15	16QAM	36	20	22.03	22.41	22.22					
15	16QAM	36	39	22.11	22.15	22.28					
15	16QAM	75	0	21.78	21.90	21.72					
15	16QAM	1	0	22.32	22.27	22.39	23	2			
15	64QAM	1	37	22.02	22.29	22.11					
15	64QAM	1	74	22.09	22.02	22.09					
15	64QAM	36	0	21.51	21.50	21.58	22	3			
15	64QAM	36	20	21.58	21.47	21.48					
15	64QAM	36	39	21.38	21.38	21.81					
15	64QAM	75	0	21.47	21.29	21.27					
Channel											
Frequency (MHz)											
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	23.10	23.24	24	1			
10	QPSK	25	25	23.08	23.20	23.07					
10	QPSK	50	0	23.09	23.28	23.14					
10	16QAM	1	0	23.25	23.15	23.20					
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	22.23	22.27	22.43					
10	16QAM	25	12	22.00	22.38	22.18	23	2			
10	16QAM	25	25	22.16	22.23	22.25					
10	16QAM	50	0	21.76	21.89	21.74					
10	64QAM	1	0	22.21	22.33	22.31	23	2			
10	64QAM	1	25	22.04	22.21	22.19					
10	64QAM	1	49	22.09	22.03	22.07					
10	64QAM	25	0	21.52	21.50	21.59	22	3			
10	64QAM	25	12	21.52	21.44	21.40					
10	64QAM	25	25	21.41	21.37	21.72					
10	64QAM	50	0	21.46	21.43	21.38					
Channel											
Frequency (MHz)											
5	QPSK	1	0	24.28	24.30	24.25					
5	QPSK	1	12	24.11	24.13	24.28	25	0			
5	QPSK	1	24	24.07	24.11	24.27					
5	QPSK	12	0	23.28	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	23.18	23.18	23.18	24	1			
5	16QAM	1	12	23.04	23.06	23.12					
5	16QAM	1	24	23.11	23.06	23.01					
5	16QAM	12	0	22.32	22.26	22.42	23	2			
5	16QAM	12	7	21.99	22.31	22.17					
5	16QAM	12	13	22.17	22.15	22.30					
5	16QAM	25	0	21.79	21.84	21.74					
5	64QAM	1	0	22.21	22.22	22.29	23	2			
5	64QAM	1	12	22.06	22.19	22.09					
5	64QAM	1	24	21.98	22.14	22.10					
5	64QAM	12	0	21.88	21.96	22.23	22	3			
5	64QAM	12	7	21.82	21.29	21.27					
5	64QAM	12	13	21.52	21.44	21.41					
5	64QAM	25	0	21.65	21.62	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					
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	24	1			
3	QPSK	8	7	23.11	23.25	23.07					
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	8	0	22.34	22.28	22.41					
3	16QAM	8	4	22.09	22.32	22.14	23	2			
3	16QAM	8	7	22.11	22.17	22.24					
3	16QAM	15	0	21.77	21.82	21.73					
3	64QAM	1	0	22.28	22.28	22.29					
3	64QAM	1	8	21.96	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	21.43	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	24.34					
1.4	QPSK	1	3	24.23	24.18	24.25	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	24	1			
1.4	QPSK	6	0	23.21	23.32	23.21					
1.4	16QAM	1	0	23.14	23.23	23.14	24	1			
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	23.00	23.11	23.19					
1.4	16QAM	3	3	23.08	23.05	23.05					
1.4	16QAM	6	0	22.24	22.40	22.28	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	23	2			
1.4	64QAM	3	0	22.24	22.26	22.28					
1.4	64QAM	3	1	21.97	22.26	22.14					
1.4	64QAM	3	3	22.09	22.20	22.08					
1.4	64QAM	6	0	21.46	21.45	21.60	22	3			

Band 4 Ant4 Default/DS13											
BW (MHz)	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	24.10	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	23.05	23.21	23.14	24	1			
20	QPSK	50	50	23.00	23.14						
20	QPSK	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	21.98	22.03	23	2			
20	16QAM	50	50	22.06	22.33	22.22					
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	23	2			
20	64QAM	1	99	22.02	22.08	22.27					
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											



Band 7 Ant4 Default/DS13

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	24.28	24.40	24.37		
20	QPSK	1	49	24.07	24.08	24.13	25.5	0
20	QPSK	1	99	24.19	24.07	24.15		
20	QPSK	50	0	23.20	23.29	23.18		
20	QPSK	50	24	23.19	23.95	23.20	24.5	1
20	QPSK	50	50	22.99	22.99	23.15		
20	QPSK	100	0	22.95	23.26	23.20		
20	16QAM	1	0	23.09	23.00	23.08		
20	16QAM	1	49	23.14	23.00	23.02	24.5	1
20	16QAM	1	99	22.97	22.91	23.04		
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	23.5	2
20	64QAM	50	0	22.15	22.07	21.99		
20	64QAM	50	0	21.26	21.31	21.42	24.5	1
20	64QAM	50	24	21.48	21.64	21.50		
20	64QAM	50	50	21.38	21.15	21.57	22.5	3
20	64QAM	100	0	20.84	21.06	20.99		
Channel								
Frequency (MHz)				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	24.06	24.21	24.23		
15	QPSK	1	37	23.85	24.09	24.05	25.5	0
15	QPSK	1	74	24.11	23.89	24.02		
15	QPSK	36	0	23.13	23.24	23.14		
15	QPSK	36	20	23.03	22.96	23.00	24.5	1
15	QPSK	36	39	22.82	22.92	23.12		
15	QPSK	75	0	22.80	23.25	23.04		
15	16QAM	1	0	23.02	22.80	22.86		
15	16QAM	1	37	22.94	23.01	23.03	24.5	1
15	16QAM	1	74	22.88	22.82	22.91		
15	16QAM	36	0	22.30	22.39	22.58		
15	16QAM	36	20	22.29	22.57	22.33		
15	16QAM	36	39	22.60	22.54	22.51	23.5	2
15	16QAM	75	0	22.51	22.45	22.56		
15	16QAM	1	0	21.26	21.31	21.42	24.5	1
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	21.38		
15	64QAM	36	20	21.42	21.44	21.42	22.5	3
15	64QAM	36	39	21.24	20.99	21.35		
15	64QAM	75	0	20.82	21.01	20.82		
Channel								
Frequency (MHz)				25025	25350	25675	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	24.26	24.26	24.36		
10	QPSK	1	25	23.97	24.06	24.00	25.5	0
10	QPSK	1	49	23.97	23.97	24.16		
10	QPSK	25	0	23.13	23.27	23.22		
10	QPSK	25	12	23.02	23.30	23.06	24.5	1
10	QPSK	25	25	22.96	22.86	22.93		
10	QPSK	50	0	22.96	23.15	23.13		
10	16QAM	1	0	23.02	22.78	22.93		
10	16QAM	1	25	23.04	22.85	22.80	24.5	1
10	16QAM	1	49	22.84	22.79	22.82		
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	21.98	21.97		
10	64QAM	1	25	22.03	21.94	21.93	23.5	2
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	22.5	3
10	64QAM	25	25	21.35	21.07	21.49		
10	64QAM	50	0	20.88	20.94	20.78		
Channel								
Frequency (MHz)				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	24.29	24.28	24.27		
5	QPSK	1	12	23.86	23.91	23.96	25.5	0
5	QPSK	1	24	23.99	23.91	24.07		
5	QPSK	12	0	23.01	23.21	23.08		
5	QPSK	12	7	23.07	23.04	23.07	24.5	1
5	QPSK	12	13	22.92	22.96	23.03		
5	QPSK	25	0	22.78	23.20	23.17		
5	16QAM	1	0	23.11	22.89	22.89	24.5	1
5	16QAM	1	12	23.07	22.81	22.96		
5	16QAM	1	24	22.83	22.84	22.84		
5	16QAM	12	0	22.23	22.27	22.34		
5	16QAM	12	7	22.05	22.33	21.91	23.5	2
5	16QAM	12	13	22.26	22.26	22.25		
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	22.5	3
5	64QAM	12	13	21.31	21.07	21.14		
5	64QAM	25	0	20.83	20.85	20.80		

Band 12 Ant4 Default/DS13

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	25.07	25.27	25.10		
10	QPSK	1	25	25.04	25.15	25.14	25.5	0
10	QPSK	1	49	25.00	25.07	25.04		
10	QPSK	25	0	24.07	24.27	24.09		
10	QPSK	25	12	24.08	24.21	24.04	24.5	1
10	QPSK	25	25	24.23	24.22	23.99		
10	QPSK	50	0	24.10	24.16	24.15		
10	16QAM	1	0	24.18	24.25	24.36		
10	16QAM	1	25	24.39	24.48	24.28	24.5	1
10	16QAM	1	49	24.42	24.33	24.22		
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	23.29	23.15	23.31		
10	64QAM	25	0	22.04	22.11	22.05	24.5	1
10	64QAM	25	12	22.12	22.18	22.11		
10	64QAM	25	25	22.28	22.09	22.19	22.5	3
10	64QAM	50	0	22.01	22.18	21.98		
Channel								
Frequency (MHz)				701.5	707.5	713.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	25.03	25.15	25.05		
5	QPSK	1	12	24.82	25.13	24.92	25.5	0
5	QPSK	1	24	24.95	24.85	25.05		
5	QPSK	12	0	23.86	24.19	23.98		
5	QPSK	12	7	23.92	24.02	24.01	24.5	1
5	QPSK	12	13	24.11	24.14	23.84		
5	QPSK	25	0	24.08	23.98	24.07		
5	16QAM	1	0	24.16	24.22	24.14		
5	16QAM	1	12	24.25	24.26	24.15	24.5	1
5	16QAM	1	24	24.39	24.34	24.17		
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	22.96	23.09	23.5	2
5	16QAM	25	0	22.99	22.92	23.15		
5	64QAM	1	0	23.13	22.89	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		
5	64QAM	12	13	22.14	21.88	22.16	22.5	3
5	64QAM	25	0	21.84	22.10	21.83		
Channel								
Frequency (MHz)				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)
3	QPSK	1	0	25.06	25.10	24.97		
3	QPSK	1	8	24.86	24.96	25.04	25.5	0
3	QPSK	1	14	24.93	24.85	24.92		
3	QPSK	8	0	24.01	24.06	23.95		
3	QPSK	8	4	23.90	24.18	23.96	24.5	1
3	QPSK	8	7	24.11	24.11	23.87		
3	QPSK	15	0	24.04	24.03	24.05		
3	16QAM	1	0	24.08	24.14	24.23		
3	16QAM	1						



Band 17 Ant4 Default/DS13

BW (MHz)	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	25.33	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	23.16	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	22.28				
10	64QAM	25	25	22.11	22.19	22.10				
10	64QAM	50	0	22.07	22.15	22.14	22.5	3		
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				
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	84QAM	1	0	23.08	23.18	23.19				
5	84QAM	1	12	23.28	23.31	23.21				
5	84QAM	1	24	23.23	23.21	23.27	23.5	2		
5	84QAM	12	0	22.18	22.12	22.12				
5	84QAM	12	7	22.16	22.34	22.12				
5	84QAM	12	13	21.96	22.20	22.04				
5	84QAM	25	0	22.07	22.02	22.00	22.5	3		

Band 26 Ant4 Default/DS13

BW (MHz)	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)										
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				
15	QPSK	36	20	24.36	24.25	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				
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				
15	64QAM	1	74	23.20	23.29	23.09	23.5	2		
15	64QAM	36	0	22.30	22.29	22.14				
15	64QAM	36	20	22.24	22.19	22.25				
15	64QAM	36	39	22.96	22.90	22.13				
15	64QAM	75	0	22.00	22.26	22.14	22.5	3		
Channel										
Frequency (MHz)										
10	QPSK	1	0	25.09	25.22	25.07			25.5	0
10	QPSK	1	25	25.38	25.17	25.00				
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	24.23	24.13				
10	16QAM	1	0	23.30	23.23	24.33				
10	16QAM	1	25	24.05	24.22	24.14	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				
10	16QAM	25	25	23.18	23.17	23.20	23.5	2		
10	16QAM	50	0	23.32	23.34	23.20				
10	84QAM	1	0	23.14	23.22	23.00				
10	84QAM	1	25	22.80	23.05	23.11				
10	84QAM	1	49	23.17	23.18	22.97	23.5	2		
10	84QAM	25	0	22.21	22.22	22.13				
10	84QAM	25	12	22.09	22.04	22.10				
10	84QAM	25	25	22.15	22.09	21.91				
10	84QAM	50	0	21.93	22.20	21.93	22.5	3		
Channel										
Frequency (MHz)										
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				
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	23.30	23.31	23.22				
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				
5	64QAM	1	24	23.11	23.09	22.94	23.5	2		
5	64QAM	12	0	22.13	22.15	21.94				
5	64QAM	12	7	22.21	21.97	22.24				
5	64QAM	12	13	22.21	22.31	22.15				
5	64QAM	25	0	21.88	22.06	21.99	22.5	3		
Channel										
Frequency (MHz)										
3	QPSK	1	0	25.23	25.22	24.90			25.5	0
3	QPSK	1	8	25.35	25.23	25.12				
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				
3	16QAM	1	8	23.97	24.22	24.23	24.5	1		
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				
3	16QAM	8	7	23.21	23.04	23.12	23.5	2		
3	16QAM	15	0	23.15	23.21	23.22				
3	84QAM	1	0	23.19	23.33	22.97				
3	84QAM	1	8	22.87	23.21	23.08				
3	84QAM	1	14	23.13	23.30	22.91	23.5	2		
3	84QAM	8	0	22.15	22.30	22.08				
3	84QAM	8	4	22.23	22.19	22.04				
3	84QAM	8	7	22.17	22.27	21.92				
3	84QAM	15	0	21.80	22.23	21.98	22.5	3		
Channel										
Frequency (MHz)										
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	24.98				
1.4	QPSK	3	1	24.92	25.16	24.95	24.5	1		
1.4	QPSK	3	3	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				
1.4	16QAM	1	3	24.30	24.03	23.98	24.5	1		
1.4	16QAM	1	5	24.19	24.08	24.14				
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	24.32	24.07	23.5	2		
1.4	16QAM	6	0	23.34	23.31	23.19				
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	23.13	23.5	2		
1.4	64QAM	3	0	23.25	23.23	22.96				
1.4	64QAM	3	1	23.03	23.17	23.11				
1.4	64QAM	3	3	23.01	23.12	22.94				
1.4	64QAM	6	0	22.30	22.18	21.94	22.5	3		

Band 66 Ant4 Default/DS13

BW (MHz)	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	24.04	24.28	24.27	25	0
20	QPSK	1	49	24.22	24.16	24.08		
20	QPSK	1	99	23.98	24.01	24.14		
20	QPSK	50	0	23.08	23.32	23.26		
20	QPSK	50	24	23.10	23.10	23.21	24	1
20	QPSK	50	50	23.13	23.20	23.24		
20	QPSK	100	0	23.13	23.32	23.10		
20	16QAM	1	0	23.23	23.28	23.44		
20	16QAM	1	49	23.28	23.45	23.20	24	1
20	16QAM	1	99	23.12	23.46	23.10		
20	16QAM	50	0	22.02	22.15	22.09		
20	16QAM	50	24	22.12	22.20	22.05		
20	16QAM	50	50	21.94	22.17	22.08	23	2
20	16QAM	100	0	22.07	22.19	22.15		
20	64QAM	1	0	22.29	22.14	22.28		
20	64QAM	1	49	22.30	22.38	22.47		
20	64QAM	1	99	22.01	22.24	22.38	23	2
20	64QAM	50	0	21.10	21.17	21.24		
20	64QAM	50	24	21.23	21.35	21.43		
20	64QAM	50	50	21.07	21.11	21.31		
20	64QAM	100	0	21.02	21.			



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				37650	38000	38150					
Frequency (MHz)				2580	2595	2610					
20	QPSK	1	0	24.49	24.50	24.42	25.5	0			
20	QPSK	1	49	24.39	24.45	24.42					
20	QPSK	1	99	24.26	24.31	24.22					
20	QPSK	50	0	23.45	23.50	23.47	24.5	1			
20	QPSK	50	24	23.30	23.29	23.25					
20	QPSK	50	50	23.29	23.33	23.30					
20	QPSK	100	0	23.23	23.26	23.21	24.5	1			
20	16QAM	1	0	23.37	23.37	23.32					
20	16QAM	1	49	23.22	23.26	23.16					
20	16QAM	1	99	23.21	23.31	23.25	23.5	2			
20	16QAM	50	0	22.44	22.44	22.39					
20	16QAM	50	24	22.32	22.34	22.27					
20	16QAM	50	50	22.22	22.28	22.20	23.5	2			
20	16QAM	100	0	22.39	22.39	22.31					
20	84QAM	1	0	22.33	22.32	22.28					
20	84QAM	1	49	22.40	22.45	22.35	23.5	2			
20	84QAM	1	99	22.36	22.39	22.32					
20	84QAM	50	0	21.40	21.47	21.45					
20	84QAM	50	24	21.46	21.50	21.42	22.5	3			
20	84QAM	50	50	21.28	21.31	21.24					
20	84QAM	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					
15	QPSK	1	0	24.43	24.39	24.38	25.5	0			
15	QPSK	1	37	24.33	24.30	24.35					
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	84QAM	1	0	22.22	22.28	22.19					
15	84QAM	1	37	22.30	22.34	22.24	23.5	2			
15	84QAM	1	74	22.27	22.25	22.25					
15	84QAM	36	0	21.32	21.34	21.42					
15	84QAM	36	20	21.39	21.45	21.36	22.5	3			
15	84QAM	36	39	21.16	21.22	21.16					
15	84QAM	75	0	21.31	21.38	21.40					
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2575	2595	2615					
10	QPSK	1	0	24.42	24.41	24.35	25.5	0			
10	QPSK	1	25	24.32	24.37	24.30					
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	84QAM	1	0	22.27	22.27	22.23					
10	84QAM	1	25	22.25	22.41	22.27	23.5	2			
10	84QAM	1	49	22.28	22.25	22.23					
10	84QAM	25	0	21.28	21.42	21.42					
10	84QAM	25	12	21.36	21.45	21.29	22.5	3			
10	84QAM	25	25	21.17	21.17	21.14					
10	84QAM	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					
5	QPSK	1	0	24.40	24.39	24.36	25.5	0			
5	QPSK	1	12	24.35	24.32	24.27					
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	84QAM	1	0	22.24	22.22	22.17					
5	84QAM	1	12	22.29	22.40	22.26	23.5	2			
5	84QAM	1	24	22.29	22.34	22.21					
5	84QAM	12	0	21.35	21.40	21.40					
5	84QAM	12	7	21.42	21.41	21.37	22.5	3			
5	84QAM	12	13	21.23	21.26	21.19					
5	84QAM	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				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	24.47	24.40	24.55	24.53	24.46	25.5	0		
20	QPSK	1	49	24.25	24.36	24.47	24.36	24.45				
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	24.5	1		
20	QPSK	50	24	23.27	23.39	23.38	23.45	23.37				
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	24.5	1		
20	16QAM	1	0	23.31	23.30	23.32	23.49	23.46				
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	23.5	2		
20	16QAM	50	0	22.18	22.38	22.30	22.26	22.20				
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	23.5	2		
20	16QAM	100	0	21.95	22.15	22.28	22.08	22.02				
20	84QAM	1	0	22.33	22.37	22.37	22.13	22.15				
20	84QAM	1	49	22.44	22.37	22.37	22.42	22.34	23.5	2		
20	84QAM	1	99	22.13	22.24	22.40	22.22	22.12				
20	84QAM	50	0	21.75	21.67	21.67	21.78	21.64				
20	84QAM	50	24	21.54	21.60	21.48	21.45	21.39	22.5	3		
20	84QAM	50	50	21.40	21.46	21.48	21.50	21.39				
20	84QAM	100	0	21.44	21.58	21.55	21.52	21.44				
Channel				39725	40173	40620	41056	41515	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2692.5				
15	QPSK	1	0	24.36	24.26	24.39	24.50	24.47	25.50	0		
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				
15	QPSK	36	0	23.02	23.43	23.41	23.33	23.23	24.5	1		
15	QPSK	36	20	23.02	23.19	23.20	23.15	23.26				
15	QPSK	36	39	23.17	23.28	23.38	23.14	23.05				
15	QPSK	75	0	23.23	23.34	23.35	23.36	23.41	24.5	1		
15	16QAM	1	0	23.09	23.21	23.29	23.49	23.47				
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	23.5	2		
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				
15	16QAM	36	39	22.12	22.35	22.36	21.97	21.91	23.5	2		
15	16QAM	75	0	22.16	22.04	22.14	21.94	22.02				
15	84QAM	1	0	22.21	22.36	22.38	22.11	22.16				
15	84QAM	1	37	22.30	22.16	22.16	22.22	22.17	23.5	2		
15	84QAM	1	74	22.12	22.24	22.31	22.14	22.04				
15	84											



GSM850 Ant1 Default/DS14

GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8	33.50	23.64	23.54	23.47	24.50
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 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8	25.00	18.03	18.03	17.94	19.00
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	9262	9400	9538	20.00	1637	1638	1738	4357	4407	4458	21.00		
Rx Channel	9662	9800	9938	20.00	1637	1638	1738	4357	4407	4458	21.00		
Frequency (MHz)	1852.4	1880	1907.6	20.00	1712.4	1732.6	1752.6	826.4	836.4	846.6	21.00		
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	AMR 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	18.86	18.76	18.65	19.50	18.28	18.49	18.22	19.50	21.87	21.87	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	18.96	19.28	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	18.63	19.50	18.31	18.55	18.31	19.50	21.82	21.86	21.75	23.00
3GPP Rel 6	HSDPA 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	HSDPA 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	HSDPA 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	HSDPA 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	HSDPA 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 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										
Frequency (MHz)										
20	QPSK	1	0	19.82	19.86	19.74				
20	QPSK	1	49	19.76	19.69	19.70	20.5	0		
20	QPSK	1	99	19.71	19.63	19.88				
20	QPSK	50	0	19.67	19.78	19.63				
20	QPSK	50	24	19.62	19.59	19.55	20.5	0		
20	QPSK	50	50	19.77	19.86	19.71				
20	QPSK	100	0	19.69	19.75	19.64				
20	16QAM	1	0	19.84	19.84	19.69				
20	16QAM	1	49	19.71	19.62	19.64	20.5	0		
20	16QAM	1	99	19.67	19.65	19.68				
20	16QAM	50	0	19.86	19.74	19.58				
20	16QAM	50	24	19.62	19.54	19.47	20.5	0		
20	16QAM	50	50	19.70	19.56	19.70				
20	16QAM	100	0	19.65	19.69	19.56				
20	64QAM	1	0	19.79	19.79	19.71				
20	64QAM	1	49	19.66	19.60	19.64	20.5	0		
20	64QAM	1	99	19.70	19.54	19.53				
20	64QAM	50	0	19.69	19.70	19.60				
20	64QAM	50	24	19.46	19.51	19.47	20.5	0		
20	64QAM	50	50	19.69	19.59	19.61				
20	64QAM	100	0	19.66	19.75	19.59				
Channel										
Frequency (MHz)										
15	QPSK	1	0	19.77	19.81	19.69				
15	QPSK	1	37	19.72	19.62	19.60	20.5	0		
15	QPSK	1	74	19.64	19.63	19.66				
15	QPSK	36	0	19.57	19.70	19.57				
15	QPSK	36	20	19.48	19.52	19.50	20.5	0		
15	QPSK	36	39	19.76	19.59	19.68				
15	QPSK	75	0	19.59	19.72	19.55				
15	16QAM	1	0	19.76	19.64	19.64				
15	16QAM	1	37	19.68	19.62	19.59	20.5	0		
15	16QAM	1	74	19.59	19.64	19.68				
15	16QAM	36	0	19.59	19.68	19.57				
15	16QAM	36	20	19.45	19.50	19.46	20.5	0		
15	16QAM	36	39	19.66	19.46	19.48				
15	16QAM	75	0	19.63	19.71	19.45				
15	64QAM	1	0	19.75	19.73	19.62				
15	64QAM	1	37	19.61	19.62	19.62	20.5	0		
15	64QAM	1	74	19.65	19.44	19.64				
15	64QAM	36	0	19.64	19.70	19.57				
15	64QAM	36	20	19.39	19.42	19.45	20.5	0		
15	64QAM	36	39	19.63	19.54	19.44				
15	64QAM	75	0	19.57	19.69	19.52				
Channel										
Frequency (MHz)										
10	QPSK	1	0	19.79	19.83	19.64				
10	QPSK	1	25	19.77	19.62	19.71	20.5	0		
10	QPSK	1	49	19.68	19.53	19.66				
10	QPSK	25	0	19.69	19.71	19.56				
10	QPSK	25	12	19.50	19.55	19.55	20.5	0		
10	QPSK	25	25	19.69	19.62	19.66				
10	QPSK	50	0	19.63	19.68	19.60				
10	16QAM	1	0	19.82	19.75	19.67				
10	16QAM	1	25	19.62	19.53	19.65	20.5	0		
10	16QAM	1	49	19.67	19.56	19.69				
10	16QAM	25	0	19.62	19.71	19.64				
10	16QAM	25	12	19.44	19.52	19.49	20.5	0		
10	16QAM	25	25	19.65	19.51	19.62				
10	16QAM	50	0	19.61	19.59	19.56				
10	64QAM	1	0	19.75	19.78	19.64				
10	64QAM	1	25	19.67	19.56	19.64	20.5	0		
10	64QAM	1	49	19.66	19.60	19.63				
10	64QAM	25	0	19.66	19.64	19.46				
10	64QAM	25	12	19.60	19.74	19.60	20.5	0		
10	64QAM	25	25	19.64	19.45	19.65				
10	64QAM	50	0	19.65	19.65	19.53				
Channel										
Frequency (MHz)										
5	QPSK	1	0	19.80	19.82	19.70				
5	QPSK	1	12	19.66	19.60	19.59	20.5	0		
5	QPSK	1	24	19.66	19.60	19.59				
5	QPSK	12	0	19.69	19.69	19.54				
5	QPSK	12	7	19.51	19.56	19.57	20.5	0		
5	QPSK	12	13	19.68	19.57	19.58				
5	QPSK	25	0	19.69	19.71	19.59				
5	16QAM	1	0	19.69	19.61	19.60				
5	16QAM	1	12	19.69	19.55	19.61	20.5	0		
5	16QAM	1	24	19.65	19.60	19.69				
5	16QAM	12	0	19.63	19.75	19.55				
5	16QAM	12	7	19.46	19.44	19.40	20.5	0		
5	16QAM	12	13	19.65	19.52	19.66				
5	16QAM	25	0	19.66	19.64	19.46				
5	64QAM	1	0	19.76	19.71	19.65				
5	64QAM	1	12	19.64	19.55	19.65	20.5	0		
5	64QAM	1	24	19.67	19.47	19.60				
5	64QAM	12	0	19.65	19.65	19.58				
5	64QAM	12	7	19.46	19.48	19.43	20.5	0		
5	64QAM	12	13	19.62	19.60	19.53				
5	64QAM	25	0	19.66	19.60	19.46				
5	64QAM	25	1	19.76	19.71	19.65				
5	64QAM	25	12	19.64	19.45	19.65	20.5	0		
5	64QAM	25	24	19.67	19.47	19.60				
5	64QAM	50	0	19.65	19.65	19.53				
Channel										
Frequency (MHz)										
3	QPSK	1	0	19.79	19.76	19.68				
3	QPSK	1	8	19.78	19.71	19.72	20.5	0		
3	QPSK	1	14	19.70	19.55	19.64				
3	QPSK	8	0	19.65	19.71	19.60				
3	QPSK	8	4	19.40	19.50	19.45	20.5	0		
3	QPSK	8	7	19.72	19.61	19.67				
3	QPSK	15	0	19.60	19.73	19.58				
3	16QAM	1	0	19.84	19.81	19.71				
3	16QAM	1	8	19.62	19.62	19.64	20.5	0		
3	16QAM	1	14	19.67	19.59	19.70				
3	16QAM	8	0	19.67	19.61	19.67				
3	16QAM	8	4	19.53	19.55	19.37	20.5	0		
3	16QAM	8	7	19.61	19.47	19.70				
3	16QAM	15	0	19.63	19.70	19.48				
3	64QAM	1	0	19.76	19.73	19.69				
3	64QAM	1	8	19.63	19.53	19.65	20.5	0		
3	64QAM	1	14	19.69	19.55	19.57				
3	64QAM	8	0	19.67	19.73	19.58				
3	64QAM	8	4	19.44	19.44	19.46	20.5	0		
3	64QAM	8	7	19.64	19.59	19.60				
3	64QAM	15	0	19.60	19.70	19.53				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	19.82	19.77	19.75				
1.4	QPSK	1	3	19.69	19.70	19.62	20.5	0		
1.4	QPSK	1	5	19.70	19.60	19.62				
1.4	QPSK	3	0	19.64	19.78	19.54				
1.4	QPSK	3	1	19.53	19.49	19.53	20.5	0		
1.4	QPSK	3	3	19.70	19.56	19.63				
1.4	QPSK	6	0	19.60	19.55	19.56	20.5	0		
1.4	16QAM	1	0	19.75	19.59	19.69				
1.4	16QAM	1	3	19.73	19.58	19.63	20.5	0		
1.4	16QAM	1	5	19.57	19.65	19.64				
1.4	16QAM	3	0	19.59	19.65	19.49	20.5	0		
1.4	16QAM	3	1	19.47	19.47	19.41				
1.4	16QAM	3	3	19.62	19.46	19.62				
1.4	16QAM	6	0	19.40	19.67	19.52	20.5	0		
1.4	64QAM	1	0	19.73	19.73	19.69				
1.4	64QAM	1	3	19.62	19.60	19.59	20.5	0		
1.4	64QAM	1	5	19.68	19.55	19.53				
1.4	64QAM	3	0	19.61	19.68	19.57	20.5	0		
1.4	64QAM	3	1	19.43	19.43	19.42				
1.4	64QAM	3	3	19.71	19.57	19.51				
1.4	64QAM									



Band 7 Ant1 DS14

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low	Middle	High		
				Ch. / Freq.	Ch. / Freq.	Ch. / Freq.		
Channel								
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	18.31	18.41	18.37		
20	QPSK	1	49	18.33	18.28	18.24	19.5	0
20	QPSK	1	99	18.26	18.34	18.35		
20	QPSK	50	0	18.35	18.38	18.32		
20	QPSK	50	24	18.32	18.24	18.30	19.5	0
20	QPSK	50	50	18.24	18.34	18.29		
20	QPSK	100	0	18.30	18.34	18.31		
20	16QAM	1	0	18.28	18.38	18.29		
20	16QAM	1	49	18.26	18.23	18.16	19.5	0
20	16QAM	1	99	18.22	18.25	18.29		
20	16QAM	50	0	18.33	18.34	18.25		
20	16QAM	50	24	18.23	18.16	18.27	19.5	0
20	16QAM	50	50	18.21	18.24	18.22		
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	18.29	18.20	18.26	19.5	0
20	64QAM	50	24	18.23	18.13	18.24		
20	64QAM	50	50	18.20	18.27	18.28		
20	64QAM	100	0	18.26	18.26	18.28		
Channel								
Frequency (MHz)				20825	21100	21375		
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		
15	QPSK	36	20	18.20	18.10	18.27	19.5	0
15	QPSK	36	39	18.18	18.30	18.23		
15	QPSK	75	0	18.21	18.21	18.16		
15	16QAM	1	0	18.15	18.23	18.23	19.5	0
15	16QAM	1	37	18.18	18.11	18.08		
15	16QAM	1	74	18.19	18.14	18.23		
15	16QAM	36	0	18.19	18.29	18.20		
15	16QAM	36	20	18.19	18.10	18.18	19.5	0
15	16QAM	36	39	18.06	18.17	18.17		
15	16QAM	75	0	18.10	18.20	18.15		
15	64QAM	1	0	18.17	18.23	18.17	19.5	0
15	64QAM	1	37	18.12	18.17	18.12		
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	18.16		
Channel								
Frequency (MHz)				20930	21100	21400		
10	QPSK	1	0	18.22	18.30	18.31		
10	QPSK	1	25	18.27	18.22	18.10	19.5	0
10	QPSK	1	49	18.19	18.23	18.27		
10	QPSK	25	0	18.21	18.30	18.25		
10	QPSK	25	12	18.29	18.20	18.25	19.5	0
10	QPSK	25	25	18.18	18.30	18.24		
10	QPSK	50	0	18.25	18.20	18.25		
10	16QAM	1	0	18.13	18.28	18.16	19.5	0
10	16QAM	1	25	18.13	18.14	18.10		
10	16QAM	1	49	18.16	18.18	18.15		
10	16QAM	25	0	18.23	18.20	18.18	19.5	0
10	16QAM	25	12	18.14	18.11	18.23		
10	16QAM	25	25	18.11	18.14	18.14		
10	16QAM	50	0	18.08	18.09	18.16		
10	64QAM	1	0	18.20	18.20	18.28	19.5	0
10	64QAM	1	25	18.21	18.20	18.15		
10	64QAM	1	49	18.07	18.21	18.15		
10	64QAM	25	0	18.24	18.25	18.21	19.5	0
10	64QAM	25	12	18.11	18.05	18.14		
10	64QAM	25	25	18.07	18.13	18.18		
10	64QAM	50	0	18.18	18.17	18.23	19.5	0
Channel								
Frequency (MHz)				20775	21100	21425		
5	QPSK	1	0	18.24	18.31	18.31	19.5	0
5	QPSK	1	12	18.21	18.15	18.10		
5	QPSK	1	24	18.22	18.20	18.30		
5	QPSK	12	0	18.25	18.30	18.28	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	18.20	18.18	19.5	0
5	16QAM	1	24	18.19	18.15	18.18		
5	16QAM	12	0	18.26	18.20	18.22	19.5	0
5	16QAM	12	7	18.19	18.10	18.23		
5	16QAM	12	13	18.15	18.12	18.14		
5	16QAM	25	0	18.16	18.14	18.10	19.5	0
5	64QAM	1	0	18.20	18.20	18.17	19.5	0
5	64QAM	1	12	18.16	18.12	18.12		
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			Tune-up limit (dBm)	MPR (dB)
				Low	Middle	High		
				Ch. / Freq.	Ch. / Freq.	Ch. / Freq.		
Channel								
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	24.51	24.59	24.54		
10	QPSK	1	25	24.45	24.52	24.39	25.5	0
10	QPSK	1	49	24.31	24.32	24.32		
10	QPSK	25	0	23.41	23.52	23.48		
10	QPSK	25	12	23.38	23.44	23.38	24.5	1
10	QPSK	25	25	23.41	23.48	23.46		
10	QPSK	50	0	23.38	23.44	23.35		
10	16QAM	1	0	23.38	23.36	23.32		
10	16QAM	1	25	23.50	23.47	23.51	24.5	1
10	16QAM	1	49	23.63	23.66	23.64		
10	16QAM	25	0	22.47	22.40	22.44		
10	16QAM	25	12	22.43	22.42	22.59	23.5	2
10	16QAM	25	25	22.51	22.52	22.51		
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	21.48		
10	64QAM	50	0	21.57	21.35	21.49		
Channel								
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	24.37	24.45	24.37		
5	QPSK	1	12	24.41	24.40	24.28	25.5	0
5	QPSK	1	24	24.44	24.39	24.49		
5	QPSK	12	0	23.38	23.39	23.41		
5	QPSK	12	7	23.20	23.32	23.33	24.5	1
5	QPSK	12	13	23.32	23.33	23.41		
5	QPSK	25	0	23.29	23.40	23.27		
5	16QAM	1	0	23.34	23.21	23.46	24.5	1
5	16QAM	1	12	23.41	23.43	23.37		
5	16QAM	1	24	23.58	23.57	23.51		
5	16QAM	12	0	22.38	22.27	22.41		
5	16QAM	12	7	22.35	22.32	22.38	23.5	2
5	16QAM	12	13	22.39	22.38	22.38		
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								
Frequency (MHz)				700.5	707.5	713.5		
3	QPSK	1	0	24.40	24.51	24.29		
3	QPSK	1	8	24.32	24.44	24.33	25.5	0
3	QPSK	1	14	24.46	24.35	24.52		
3	QPSK	8	0	23.30	23.40	23.35		
3	QPSK	8	4	23.43	23.31	23.29	24.5	1
3	QPSK	8	7	23.37	23.43	23.40		
3	QPSK	15	0	23.35	23.29	23.26		
3	16QAM	1	0	23.33	23.31	23.24		
3	16QAM	1	8	23.43	23.			



Band 17 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				23760	23790	23800						
Frequency (MHz)				710	710	711						
10	QPSK	1	0	23.44	23.62	23.58	24.5	0				
10	QPSK	1	25	23.51	23.45	23.53						
10	QPSK	1	49	23.47	23.56	23.42						
10	QPSK	25	0	23.37	23.56	23.52	24.5	0				
10	QPSK	25	12	23.54	23.52	23.55						
10	QPSK	25	25	23.47	23.51	23.50						
10	QPSK	50	0	23.31	23.44	23.23	24.5	0				
10	16QAM	1	0	23.34	23.32	23.32						
10	16QAM	1	25	23.57	23.59	23.55						
10	16QAM	1	49	23.46	23.51	23.48	24.5	0				
10	16QAM	25	0	22.39	22.42	22.45						
10	16QAM	25	12	22.41	22.37	22.33						
10	16QAM	25	25	22.57	22.35	22.36	24.5	1				
10	16QAM	50	0	22.46	22.28	22.44						
10	84QAM	1	0	22.44	22.30	22.38	24.5	0				
10	84QAM	1	25	22.42	22.29	22.56						
10	84QAM	1	49	22.56	22.37	22.36						
10	84QAM	25	0	21.36	21.37	21.42	23.5	1				
10	84QAM	25	12	21.56	21.59	21.54						
10	84QAM	25	25	21.48	21.53	21.41						
10	84QAM	50	0	21.45	21.51	21.33	22.5	2				
Channel				23755	23790	23825						
Frequency (MHz)				706.5	710	713.5						
5	QPSK	1	0	23.41	23.56	23.51	24.5	0				
5	QPSK	1	12	23.37	23.36	23.39						
5	QPSK	1	24	23.39	23.47	23.27						
5	QPSK	12	0	23.27	23.50	23.39	24.5	0				
5	QPSK	12	7	23.42	23.46	23.52						
5	QPSK	12	13	23.41	23.38	23.45						
5	QPSK	25	0	23.21	23.30	23.15	24.5	0				
5	16QAM	1	0	23.24	23.19	23.23						
5	16QAM	1	12	23.54	23.53	23.48						
5	16QAM	1	24	23.36	23.38	23.41	24.5	0				
5	16QAM	12	0	22.27	22.29	22.32						
5	16QAM	12	7	22.29	22.29	22.19						
5	16QAM	12	13	22.45	22.28	22.23	23.5	1				
5	16QAM	25	0	22.41	22.19	22.31						
5	84QAM	1	0	22.39	22.15	22.26	23.5	1				
5	84QAM	1	12	22.37	22.24	22.52						
5	84QAM	1	24	22.52	22.34	22.28						
5	84QAM	12	0	21.26	21.32	21.32	22.5	2				
5	84QAM	12	7	21.49	21.52	21.44						
5	84QAM	12	13	21.40	21.38	21.27						
5	84QAM	25	0	21.42	21.41	21.23						

Band 26 Ant1 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				26755	26865	26955						
Frequency (MHz)				817.5	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	23.98	23.84	23.79						
15	QPSK	36	39	23.94	23.66	23.69						
15	QPSK	75	0	23.74	23.80	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	24.5	1				
15	16QAM	36	0	22.86	22.64	22.81						
15	16QAM	36	20	22.99	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	84QAM	1	0	22.86	22.80	22.73	23.5	2				
15	84QAM	1	37	22.75	22.77	22.74						
15	84QAM	1	74	22.89	22.64	22.72						
15	84QAM	36	0	21.82	21.66	21.88	22.5	3				
15	84QAM	36	20	21.88	21.76	21.84						
15	84QAM	36	39	21.84	21.82	21.79						
15	84QAM	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	23.33	23.55						
10	QPSK	50	0	23.70	23.67	23.44	24.5	1				
10	16QAM	1	0	23.62	23.51	23.85						
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	22.65						
10	84QAM	1	0	22.81	22.68	22.64	23.5	2				
10	84QAM	1	25	22.67	22.66	22.66						
10	84QAM	1	49	22.56	22.55	22.62						
10	84QAM	25	0	21.70	21.61	21.73	22.5	3				
10	84QAM	25	12	21.81	21.67	21.73						
10	84QAM	25	25	21.52	21.49	21.65						
10	84QAM	50	0	21.63	21.69	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	23.5	2				
5	16QAM	12	0	22.62	22.50	22.69						
5	16QAM	12	7	22.62	22.47	22.62						
5	16QAM	12	13	22.62	22.68	22.69	23.5	2				
5	16QAM	25	0	22.56	22.50	22.58						
5	84QAM	1	0	22.83	22.76	22.83	23.5	2				
5	84QAM	1	12	22.88	22.63	22.62						
5	84QAM	1	24	22.62	22.67	22.65						
5	84QAM	12	0	21.69	21.60	21.75	22.5	3				
5	84QAM	12	7	21.80	21.65	21.73						
5	84QAM	12	13	21.53	21.48	21.71						
5	84QAM	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	13	24.44	24.41	24.42						
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	23.85	23.82	23.49						
3	16QAM	1	14	23.53	23.82	23.70	23.5	2				
3	16QAM	8	0	22.54	22.52	22.76						
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	22.83	22.58	22.85						
3	84QAM	1	0	22.72	22.89	22.85	23.5	2				
3	84QAM	1	8	22.68	22.71	22.62						
3	84QAM	1	14									



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											
Frequency (MHz)											
37850 38000 38150											
20	QPSK	1	0	20.28	20.39	20.31	21.5	0			
20	QPSK	1	49	20.24	20.14	20.15					
20	QPSK	1	99	20.31	20.35	20.33					
20	QPSK	50	0	20.31	20.35	20.27	21.5	0			
20	QPSK	50	24	20.20	20.25	20.24					
20	QPSK	50	50	20.34	20.28	20.28					
20	QPSK	100	0	20.03	20.26	20.23	21.5	0			
20	16QAM	1	0	20.15	20.33	20.25					
20	16QAM	1	49	20.16	20.10	20.11	21.5	0			
20	16QAM	1	99	20.20	20.28	20.21					
20	16QAM	50	0	20.25	20.29	20.14					
20	16QAM	50	24	20.16	20.22	20.19	21.5	0			
20	16QAM	50	50	20.21	20.19	20.17					
20	16QAM	100	0	20.08	20.21	20.19					
20	64QAM	1	0	20.22	20.35	20.24	21.5	0			
20	64QAM	1	49	20.18	20.05	20.11					
20	64QAM	1	99	20.22	20.31	20.21					
20	64QAM	50	0	20.21	20.32	20.18	21.5	0			
20	64QAM	50	24	20.11	20.15	20.16					
20	64QAM	50	50	20.29	20.24	20.17					
20	64QAM	100	0	20.04	20.16	20.15					
Channel											
Frequency (MHz)											
37825 38000 38175											
15	QPSK	1	0	20.17	20.24	20.25	21.5	0			
15	QPSK	1	37	20.11	20.03	20.05					
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					
Channel											
Frequency (MHz)											
37800 38000 38200											
10	QPSK	1	0	20.23	20.31	20.27	21.5	0			
10	QPSK	1	25	20.14	20.08	20.05					
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					
Channel											
Frequency (MHz)											
37775 38000 38225											
5	QPSK	1	0	20.16	20.24	20.22	21.5	0			
5	QPSK	1	12	20.21	20.00	20.02					
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					
5	QPSK	25	0	19.97	20.12	20.10	21.5	0			
5	16QAM	1	0	20.07	20.28	20.21					
5	16QAM	1	12	20.08	20.00	20.02	21.5	0			
5	16QAM	1	24	20.11	20.17	20.12					
5	16QAM	12	0	20.16	20.24	20.02	21.5	0			
5	16QAM	12	7	20.04	20.13	20.06					
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					

Band 41 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											
Frequency (MHz)											
39750 40185 40620 41055 41490											
20	QPSK	1	0	20.23	20.27	20.43	21.5	0			
20	QPSK	1	49	20.19	20.29	20.20					
20	QPSK	1	99	20.12	20.28	20.31	21.5	0			
20	QPSK	50	0	20.22	20.24	20.33					
20	QPSK	50	24	20.17	20.21	20.28	21.5	0			
20	QPSK	50	50	20.30	20.26	20.19					
20	QPSK	100	0	20.16	20.26	20.29	21.5	0			
20	16QAM	1	0	20.17	20.19	20.28					
20	16QAM	1	49	20.12	20.21	20.20	21.5	0			
20	16QAM	1	99	20.08	20.22	20.21					
20	16QAM	50	0	20.12	20.14	20.30	21.5	0			
20	16QAM	50	24	20.09	20.16	20.22					
20	16QAM	50	50	20.24	20.19	20.12	21.5	0			
20	16QAM	100	0	20.07	20.22	20.20					
20	64QAM	1	0	20.15	20.23	20.25	21.5	0			
20	64QAM	1	49	20.08	20.24	20.21					
20	64QAM	1	99	20.03	20.22	20.20	21.5	0			
20	64QAM	50	0	20.13	20.17	20.28					
20	64QAM	50	24	20.13	20.13	20.18	21.5	0			
20	64QAM	50	50	20.21	20.13	20.10					
20	64QAM	100	0	20.05	20.17	20.21					
Channel											
Frequency (MHz)											
39725 40173 40620 41068 41515											
15	QPSK	1	0	20.17	20.16	20.24	21.5	0			
15	QPSK	1	37	20.15	20.19	20.13					
15	QPSK	1	74	20.08	20.21	20.27	21.5	0			
15	QPSK	36	0	20.11	20.14	20.18					
15	QPSK	36	20	20.04	20.15	20.20	21.5	0			
15	QPSK	36	39	20.21	20.18	20.16					
15	QPSK	75	0	20.04	20.21	20.17	21.5	0			
15	16QAM	1	0	20.04	20.14	20.20					
15	16QAM	1	37	20.04	20.17	20.08	21.5	0			
15	16QAM	1	74	19.97	20.15	20.14					
15	16QAM	36	0	20.02	20.10	20.24	21.5	0			
15	16QAM	36	20	19.99	20.12	20.17					
15	16QAM	36	39	20.19	20.08	20.01	21.5	0			
15	16QAM	75	0	19.93	20.08	20.11					
15	64QAM	1	0	20.05	20.13	20.13	21.5	0			
15	64QAM	1	37	20.02	20.15	20.16					
15	64QAM	1	74	19.98	20.07	20.12	21.5	0			
15	64QAM	36	0	20.00	20.08	20.14					
15	64QAM	36	20	20.07	20.07	20.13	21.5	0			
15	64QAM	36	39	20.07	20.07	20.02					
15	64QAM	75	0	20.01	20.05	20.07					
Channel											
Frequency (MHz)											
39700 40160 40620 41080 41540											
10	QPSK	1	0	20.12	20.12	20.24	21.5	0			
10	QPSK	1	25	20.06	20.19	20.16					
10	QPSK	1	49	20.02	20.15	20.19	21.5	0			
10	QPSK	25	0	20.15	20.14	20.20					
10	QPSK	25	12	20.05	20.09	20.15	21.5	0			
10	QPSK	25	25	20.18	20.12	20.14					
10	QPSK	50	0	20.12	20.12	20.14	21.5	0			
10	16QAM	1	0	20.09	20.09	20.14					
10	16QAM	1	25	20.01	20.17	20.15	21.5	0			
10	16QAM	1	49	19.93	20.16	20.17					
10	16QAM	25	0	20.04	20.06	20.17	21.5	0			
10	16QAM	25	12	19.99	20.03	20.10					
10	16QAM	25	25	20.13	20.08	19.97	21.5	0			
10	16QAM	50	0	19.97	20.08	20.15					
10	64QAM	1	0	20.06	20.14	20.11	21.5	0			
10	64QAM	1	25	20.04	20.15	20.10					
10	64QAM	1	49	19.92	20.13	20.08	21.5	0			
10	64QAM	25	0	20.10	20.10	20.14					
10	64QAM	25	12	20.08	20.02	20.08	21.5	0			
10	64QAM	25	25	20.18	20.00	20.04					
10	64QAM	50	0	19.99	20.05	20.17					
Channel											
Frequency (MHz)											
39675 40148 40620 41093 41565											
5	QPSK	1	0	20.15	20.17	20.22	21.5	0			
5	QPSK	1	12	20.08	20.17	20.20					
5	QPSK	1	24								

**Band 2 Ant2 DSI4**

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				1690	1690	1690				
20	QPSK	1	0	17.10	17.19	17.13	19	0		
20	QPSK	1	49	17.14	17.17	17.11				
20	QPSK	1	99	17.07	17.13	17.12				
20	QPSK	50	0	17.11	17.17	17.14				
20	QPSK	50	24	17.14	17.17	17.14				
20	QPSK	50	24	17.14	17.13	17.08				
20	QPSK	100	0	17.08	17.12	17.08				
20	16QAM	1	0	17.10	17.17	17.16				
20	16QAM	1	49	17.15	17.15	17.12				
20	16QAM	1	99	17.16	17.17	17.18				
20	16QAM	50	0	17.11	17.16	17.17				
20	16QAM	50	24	17.14	17.13	17.08				
20	16QAM	50	24	17.13	17.14	17.10				
20	16QAM	100	0	17.09	17.13	17.07				
20	84QAM	1	0	17.12	17.14	17.12	19	0		
20	84QAM	1	49	17.16	17.16	17.15				
20	84QAM	1	99	17.13	17.13	17.06				
20	84QAM	50	0	17.08	17.12	17.08				
20	84QAM	50	24	17.18	17.16	17.12				
20	84QAM	50	24	17.17	17.17	17.16				
20	84QAM	100	0	17.07	17.12	17.13				
Channel				18675	18600	19125				
Frequency (MHz)				1857.5	1860	1902.5			Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	17.05	17.18	17.12			19	0
15	QPSK	1	37	17.15	17.14	17.11				
15	QPSK	1	74	17.03	17.07	17.06				
15	QPSK	36	0	17.06	17.17	17.13				
15	QPSK	36	20	17.06	17.16	17.08				
15	QPSK	36	39	17.12	17.11	17.09				
15	QPSK	75	0	17.08	17.11	17.02				
15	16QAM	1	0	17.16	17.14	17.14				
15	16QAM	1	37	17.13	17.13	17.13				
15	16QAM	1	74	17.17	17.11	17.13				
15	16QAM	36	0	17.09	17.11	17.15				
15	16QAM	36	20	17.08	17.11	17.07				
15	16QAM	36	39	17.14	17.09	17.10				
15	16QAM	75	0	17.12	17.08	17.09				
15	84QAM	1	0	17.11	17.12	17.13	19	0		
15	84QAM	1	37	17.11	17.12	17.13				
15	84QAM	1	74	17.12	17.12	17.04				
15	84QAM	36	0	17.01	17.11	17.05				
15	84QAM	36	20	17.18	17.13	17.06				
15	84QAM	36	39	17.10	17.15	17.15				
15	84QAM	75	0	17.05	17.07	17.07				
Channel				18650	18900	19150				
Frequency (MHz)				1855	1880	1905			Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	17.10	17.15	17.06			19	0
10	QPSK	1	25	17.07	17.15	17.09				
10	QPSK	1	49	17.03	17.06	17.06				
10	QPSK	25	0	17.09	17.17	17.13				
10	QPSK	25	12	17.11	17.14	17.07				
10	QPSK	25	25	17.08	17.14	17.06				
10	QPSK	50	0	17.03	17.10	17.07				
10	16QAM	1	0	17.07	17.13	17.09				
10	16QAM	1	25	17.16	17.09	17.07				
10	16QAM	1	49	17.09	17.15	17.17				
10	16QAM	25	0	17.07	17.15	17.11				
10	16QAM	25	12	17.13	17.08	17.07				
10	16QAM	25	25	17.09	17.11	17.06				
10	16QAM	50	0	17.06	17.08	17.02				
10	84QAM	1	0	17.13	17.10	17.06	19	0		
10	84QAM	1	25	17.16	17.16	17.09				
10	84QAM	1	49	17.11	17.07	17.06				
10	84QAM	25	0	17.09	17.06	17.05				
10	84QAM	25	12	17.14	17.16	17.13				
10	84QAM	25	25	17.11	17.17	17.14				
10	84QAM	50	0	17.07	17.09	17.07				
Channel				18625	18900	19175				
Frequency (MHz)				1852.5	1880	1907.5			Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	17.05	17.18	17.10			19	0
5	QPSK	1	12	17.07	17.10	17.10				
5	QPSK	1	24	17.07	17.11	17.06				
5	QPSK	12	0	17.10	17.12	17.09				
5	QPSK	12	7	17.05	17.14	17.10				
5	QPSK	12	13	17.09	17.08	17.04				
5	QPSK	25	0	17.07	17.08	17.06				
5	16QAM	1	0	17.17	17.15	17.15				
5	16QAM	1	12	17.16	17.13	17.06				
5	16QAM	1	24	17.11	17.15	17.14				
5	16QAM	12	0	17.06	17.11	17.15				
5	16QAM	12	7	17.13	17.08	17.04				
5	16QAM	12	13	17.08	17.12	17.05				
5	16QAM	25	0	17.07	17.09	17.06				
5	84QAM	1	0	17.13	17.07	17.10	19	0		
5	84QAM	1	12	17.11	17.11	17.11				
5	84QAM	1	24	17.10	17.09	17.01				
5	84QAM	12	0	17.02	17.12	17.06				
5	84QAM	12	7	17.17	17.17	17.07				
5	84QAM	12	13	17.16	17.13	17.05				
5	84QAM	25	0	17.03	17.11	17.08				
Channel				18615	18900	19185				
Frequency (MHz)				1851.5	1880	1908.5			Tune-up limit (dBm)	MPR (dB)
3	QPSK	1	0	17.04	17.17	17.11			19	0
3	QPSK	1	8	17.09	17.17	17.10				
3	QPSK	1	14	17.06	17.10	17.12				
3	QPSK	6	0	17.10	17.15	17.10				
3	QPSK	6	8	17.04	17.11	17.11				
3	QPSK	6	7	17.10	17.14	17.10				
3	QPSK	15	0	17.04	17.08	17.05				
3	16QAM	1	0	17.07	17.16	17.16				
3	16QAM	1	8	17.11	17.09	17.07				
3	16QAM	1	14	17.14	17.11	17.17				
3	16QAM	6	0	17.11	17.15	17.16				
3	16QAM	6	4	17.07	17.11	17.03				
3	16QAM	6	7	17.08	17.09	17.09				
3	16QAM	15	0	17.09	17.13	17.02				
3	84QAM	1	0	17.06	17.11	17.12	19	0		
3	84QAM	1	8	17.13	17.15	17.11				
3	84QAM	1	14	17.06	17.07	17.03				
3	84QAM	6	0	17.06	17.12	17.06				
3	84QAM	6	4	17.15	17.16	17.06				
3	84QAM	6	7	17.14	17.14	17.16				
3	84QAM	15	0	17.01	17.11	17.10				
Channel				18607	18900	19193				
Frequency (MHz)				18507	1860	1903.3			Tune-up limit (dBm)	MPR (dB)
1.4	QPSK	1	0	17.09	17.12	17.12			19	0
1.4	QPSK	1	3	17.11	17.17	17.06				
1.4	QPSK	1	5	17.07	17.08	17.10				
1.4	QPSK	3	0	17.11	17.12	17.14				
1.4	QPSK	3	1	17.10	17.17	17.13				
1.4	QPSK	3	3	17.12	17.13	17.10				
1.4	QPSK	6	0	17.05	17.10	17.07				
1.4	16QAM	1	0	17.08	17.14	17.15				
1.4	16QAM	1	3	17.12	17.14	17.06				
1.4	16QAM	1	5	17.12	17.12	17.16				
1.4	16QAM	3	0	17.12	17.16	17.12				
1.4	16QAM	3	1	17.09	17.09	17.04				
1.4	16QAM	3	3	17.07	17.10	17.05				
1.4	84QAM	6	0	17.06	17.06	17.06	19	0		
1.4	84QAM	6	0	17.10	17.08	17.10				
1.4	84QAM	1	3	17.14	17.10	17.08				
1.4	84QAM	1	5	17.07	17.12	17.03				
1.4	84QAM	3	0	17.03	17.09	17.09				
1.4	84QAM	3	1	17.16	17.15	17.07				
1.4	84QAM	3	3	17.13	17.17	17.09				
1.4	84QAM	6	0	17.03	17.11	17.11				
Channel				18575	18900	19125				
Frequency (MHz)				1857.5	18900	19125			Tune-up limit (dBm)	MPR (dB)

Band 7Ant2 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)				2510	2535	2550			
20	QPSK	1	0	15.96	16.00	15.98	17.5	0	
20	QPSK	1	49	15.97	15.73	15.77			
20	QPSK	1	99	15.84	15.71	15.52			
20	QPSK	50	0	15.84	15.96	15.57			
20	QPSK	50	24	15.91	15.87	15.85			
20	QPSK	50	24	15.93	15.72	15.81			
20	QPSK	100	0	15.85	15.89	15.69			
20	16QAM	1	0	15.82	15.89	15.75			
20	16QAM	1	49	15.92	15.62	15.63			
20	16QAM	1	99	15.84	15.84	15.64			
20	16QAM	50	0	15.88	15.84	15.67			
20	16QAM	50	24	15.96	15.74	15.68			
20	16QAM	50	24	15.92	15.95	15.76			
20	16QAM	100	0	15.81	15.83	15.85			
20	84QAM	1	0	15.83	15.72	15.59	17.5	0	
20	84QAM	1	49	15.80	15.99	15.73			
20	84QAM	1	99	15.99	15.62	15.68			
20	84QAM	50	0	15.87	15.66	15.52			
20	84QAM	50	24	15.94	15.98	15.61			
20	84QAM	50	24	15.94	15.83	15.85			
20	84QAM	100	0	15.87	15.83	15.81			
Channel				20825	21100	21375			



Band 38 Ant2 DSI4													
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)					
Channel				37850	38000	38150	18	0					
Frequency (MHz)				2580	2595	2610							
20	QPSK	1	0	16.14	16.42	16.23							
20	QPSK	1	49	16.11	16.21	16.14							
20	QPSK	1	99	16.15	16.28	16.03	18	0					
20	QPSK	50	0	16.10	16.25	16.21							
20	QPSK	50	24	16.22	16.20	16.13							
20	QPSK	50	50	16.17	16.07	16.23							
20	QPSK	100	0	16.08	16.26	16.18	18	0					
20	16QAM	1	0	16.06	16.22	16.22							
20	16QAM	1	49	16.13	16.20	16.10							
20	16QAM	1	99	16.14	16.12	16.14							
20	16QAM	50	0	16.04	16.17	16.09	18	0					
20	16QAM	50	24	16.05	16.15	16.14							
20	16QAM	50	50	16.03	16.18	16.03							
20	16QAM	100	0	16.10	16.23	16.23							
20	64QAM	1	0	16.10	16.11	16.16	18	0					
20	64QAM	1	49	16.07	16.11	16.14							
20	64QAM	1	99	16.05	16.26	16.10							
20	64QAM	50	0	16.04	16.11	16.04							
20	64QAM	50	24	16.07	16.33	16.22	18	0					
20	64QAM	50	50	16.10	16.18	16.02							
20	64QAM	100	0	16.00	16.14	16.01							
Channel				37825	38000	38175			Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2577.5	2595	2612.5	18	0					
15	QPSK	1	0	16.08	16.25	16.20							
15	QPSK	1	37	16.02	16.17	16.05							
15	QPSK	1	74	16.13	16.10	16.04							
15	QPSK	36	0	16.05	16.14	16.13	18	0					
15	QPSK	36	20	16.13	16.18	16.02							
15	QPSK	36	39	16.18	16.17	16.10							
15	QPSK	75	0	16.09	16.15	16.17							
15	16QAM	1	0	16.01	16.16	16.19	18	0					
15	16QAM	1	37	16.05	16.12	16.13							
15	16QAM	1	74	16.08	16.05	16.09							
15	16QAM	36	0	16.03	16.23	16.20							
15	16QAM	36	20	16.21	16.15	16.18	18	0					
15	16QAM	36	39	16.03	16.10	16.17							
15	16QAM	75	0	16.22	16.31	16.13							
15	64QAM	1	0	16.00	16.17	16.09							
15	64QAM	1	37	16.01	16.15	16.15	18	0					
15	64QAM	1	74	16.09	16.27	16.11							
15	64QAM	36	0	16.23	16.00	16.04							
15	64QAM	36	20	16.14	16.15	16.02							
15	64QAM	36	39	16.03	16.14	16.08	18	0					
15	64QAM	75	0	16.03	16.13	16.05							
Channel				37800	38000	38200			Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2575	2595	2615			18	0			
10	QPSK	1	0	16.04	16.22	16.04							
10	QPSK	1	25	16.09	16.00	16.09							
10	QPSK	1	49	16.00	16.22	16.02							
10	QPSK	25	0	16.05	16.23	16.11	18	0					
10	QPSK	25	12	16.05	16.18	16.07							
10	QPSK	25	25	16.05	16.21	16.24							
10	QPSK	50	0	16.09	16.21	16.06							
10	16QAM	1	0	16.07	16.22	16.03	18	0					
10	16QAM	1	25	16.19	16.17	16.02							
10	16QAM	1	49	16.24	16.07	16.12							
10	16QAM	25	0	16.04	16.37	16.16							
10	16QAM	25	12	16.04	16.09	16.05	18	0					
10	16QAM	25	25	16.16	16.06	16.07							
10	16QAM	50	0	16.10	16.31	16.04							
10	64QAM	1	0	16.21	16.12	16.11							
10	64QAM	1	25	16.02	16.04	16.09	18	0					
10	64QAM	1	49	16.10	16.21	16.20							
10	64QAM	25	0	16.21	16.00	16.10							
10	64QAM	25	12	16.05	16.27	16.21							
10	64QAM	25	25	16.00	16.00	16.16	18	0					
10	64QAM	50	0	16.03	16.12	16.14							
Channel				37775	38000	38225			Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2572.5	2595	2617.5			18	0			
5	QPSK	1	0	16.15	16.37	16.15							
5	QPSK	1	12	16.19	16.23	16.17							
5	QPSK	1	24	16.13	16.10	16.02							
5	QPSK	12	0	16.00	16.05	16.04	18	0					
5	QPSK	12	7	16.12	16.19	16.04							
5	QPSK	12	13	16.02	16.09	16.11							
5	QPSK	25	0	16.07	16.04	16.19							
5	16QAM	1	0	16.18	16.12	16.23	18	0					
5	16QAM	1	12	16.02	16.17	16.00							
5	16QAM	1	24	16.19	16.07	16.02							
5	16QAM	12	0	16.11	16.39	16.03							
5	16QAM	12	7	16.01	16.14	16.15	18	0					
5	16QAM	12	13	16.09	16.21	16.02							
5	16QAM	25	0	16.03	16.29	16.04							
5	64QAM	1	0	16.07	16.21	16.12							
5	64QAM	1	12	16.22	16.08	16.06	18	0					
5	64QAM	1	24	16.03	16.10	16.15							
5	64QAM	12	0	16.22	16.17	16.18							
5	64QAM	12	7	16.00	16.13	16.02							
5	64QAM	12	13	16.03	16.17	16.11	18	0					
5	64QAM	25	0	16.14	16.01	16.02							

Band 41 Ant2 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	18	0		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	16.25	16.11	16.45	16.31	16.38				
20	QPSK	1	49	16.33	16.34	16.37	16.15	16.10				
20	QPSK	1	99	16.25	16.11	16.21	16.19	16.05	18	0		
20	QPSK	50	0	16.15	16.12	16.43	16.27	16.28				
20	QPSK	50	24	16.20	16.30	16.31	16.02	16.08				
20	QPSK	50	50	16.09	16.02	16.22	16.20	16.13				
20	QPSK	100	0	16.21	16.01	16.28	16.13	16.20	18	0		
20	16QAM	1	0	16.16	16.30	16.27	16.13	16.13				
20	16QAM	1	49	16.09	16.25	16.19	16.15	16.19				
20	16QAM	1	99	16.18	16.09	16.32	16.24	16.23				
20	16QAM	50	0	16.32	16.18	16.30	16.19	16.09	18	0		
20	16QAM	50	24	16.18	16.20	16.14	16.02	16.01				
20	16QAM	50	50	16.17	16.26	16.41	16.26	16.30				
20	16QAM	100	0	16.32	16.33	16.16	16.07	16.14				
20	64QAM	1	0	16.12	16.26	16.09	16.18	16.14	18	0		
20	64QAM	1	49	16.27	16.04	16.20	16.24	16.29				
20	64QAM	1	99	16.11	16.20	16.33	16.05	16.28				
20	64QAM	50	0	16.10	16.17	16.07	16.07	16.03				
20	64QAM	50	24	16.24	16.31	16.33	16.26	16.35	18	0		
20	64QAM	50	50	16.29	16.15	16.24	16.17	16.07				
20	64QAM	100	0	16.12	16.08	16.05	16.08	16.05				
Channel				39725	40173	40620	41068	41515			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	18	0		
15	QPSK	1	0	16.20	16.27	16.36	16.15	16.19				
15	QPSK	1	37	16.23	16.20	16.32	16.13	16.18				
15	QPSK	1	74	16.08	16.03	16.06	16.00	16.26				
15	QPSK	36	0	16.08	16.03	16.40	16.25	16.17	18	0		
15	QPSK	36	20	16.00	16.18	16.24	16.10	16.19				
15	QPSK	36	39	16.32	16.13	16.15	16.17	16.20				
15	QPSK	75	0	16.08	16.00	16.11	16.09	16.12				
15	16QAM	1	0	16.04	16.25	16.19	16.12	16.28	18	0		
15	16QAM	1	37	16.11	16.25	16.13	16.24	16.13				
15	16QAM	1	74	16.15	16.02	16.24	16.05	16.16				
15	16QAM	36	0	16.15	16.13	16.14	16.22	16.08				
15	16QAM	36	20	16.08	16.31	16.08	16.26	16.02	18	0		
15	16QAM	36	39	16.14	16.16	16.39	16.23	16.22				
15	16QAM	75	0	16.27	16.27	16.15	16.21	16.23				



GSM850 Ant4 DS4

GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8	33.00	23.54	23.26	23.08	24.00
GSM 1 Tx slot	32.54	32.26	32.08	33.00	23.54	23.26	23.08	24.00
GPRS 1 Tx slot	32.42	32.14	32.23	33.00	23.42	23.14	23.23	24.00
GPRS 2 Tx slots	29.88	29.96	30.03	30.50	23.88	23.96	24.03	24.50
GPRS 3 Tx slots	28.98	28.87	28.92	29.00	24.72	24.61	24.66	24.74
GPRS 4 Tx slots	26.63	26.65	26.77	27.50	23.63	23.65	23.77	24.50
EDGE 1 Tx slot	27.72	27.67	27.47	28.00	18.72	18.67	18.47	19.00
EDGE 2 Tx slots	25.00	24.88	24.83	25.00	19.00	18.88	18.83	19.00
EDGE 3 Tx slots	22.65	22.62	22.64	23.50	18.39	18.36	18.28	19.24
EDGE 4 Tx slots	21.21	21.34	21.41	22.00	18.21	18.34	18.41	19.00

GSM1900 Ant4 DS4

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8	28.50	18.60	18.72	18.59	19.50
GSM 1 Tx slot	27.80	27.72	27.59	28.50	18.60	18.72	18.59	19.50
GPRS 1 Tx slot	27.82	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	18.01	18.00	17.85	19.50
GPRS 3 Tx slots	22.59	22.58	22.53	24.00	18.33	18.32	18.27	19.74
GPRS 4 Tx slots	21.43	21.53	21.35	22.50	18.43	18.53	18.35	19.50
EDGE 1 Tx slot	24.43	24.40	24.52	25.50	15.43	15.40	15.52	16.50
EDGE 2 Tx slots	21.65	21.53	21.55	22.50	15.65	15.53	15.55	16.50
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 DefaultDS4

Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1513		4132	4182	4233		
TX Channel	9262	9400	9538	20.50	1312	1413	1513	20.00	4132	4182	4233	25.50	
Rx Channel	9662	9800	9938	20.50	1637	1638	1738	20.00	4357	4407	4458	25.50	
Frequency (MHz)	1852.4	1880	1907.6	20.50	1712.4	1732.6	1752.6	20.00	4264	4364	4464	25.50	
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	18.48	18.32	19.00	17.46	17.54	17.48	18.50	23.66	23.53	23.63	24.00
3GPP Rel 8	DC-HSDPA Subtest-1	18.80	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 2 Ant4 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										
Frequency (MHz)										
20	QPSK	1	0	19.81	19.91	19.87				
20	QPSK	1	49	19.77	19.76	19.85	20.5	0		
20	QPSK	1	99	19.86	19.75	19.83				
20	QPSK	50	0	19.75	19.87	19.79				
20	QPSK	50	24	19.82	19.75	19.77	20.5	0		
20	QPSK	50	50	19.86	19.75	19.83				
20	QPSK	100	0	19.67	19.86	19.67				
20	16QAM	1	0	19.71	19.85	19.81				
20	16QAM	1	49	19.67	19.72	19.77	20.5	0		
20	16QAM	1	99	19.61	19.64	19.78				
20	16QAM	50	0	19.63	19.74	19.72				
20	16QAM	50	24	19.59	19.65	19.69	20.5	0		
20	16QAM	50	50	19.61	19.68	19.69				
20	16QAM	100	0	19.63	19.80	19.62				
20	64QAM	1	0	19.63	19.77	19.73				
20	64QAM	1	49	19.55	19.67	19.73	20.5	0		
20	64QAM	1	99	19.51	19.51	19.66				
20	64QAM	50	0	19.59	19.69	19.69				
20	64QAM	50	24	19.54	19.53	19.57	20.5	0		
20	64QAM	50	50	19.58	19.60	19.63				
20	64QAM	100	0	19.54	19.72	19.53				
Channel										
Frequency (MHz)										
15	QPSK	1	0	19.73	19.86	19.75				
15	QPSK	1	37	19.67	19.71	19.80	20.5	0		
15	QPSK	1	74	19.59	19.63	19.80				
15	QPSK	36	0	19.60	19.73	19.76				
15	QPSK	36	20	19.65	19.62	19.71	20.5	0		
15	QPSK	36	39	19.62	19.67	19.83				
15	QPSK	75	0	19.54	19.59	19.61				
15	16QAM	1	0	19.56	19.57	19.71	20.5	0		
15	16QAM	1	37	19.59	19.62	19.72				
15	16QAM	1	74	19.55	19.55	19.68				
15	16QAM	36	0	19.56	19.63	19.68				
15	16QAM	36	20	19.52	19.61	19.64	20.5	0		
15	16QAM	36	39	19.47	19.64	19.56				
15	16QAM	75	0	19.59	19.75	19.47				
15	64QAM	1	0	19.59	19.64	19.58				
15	64QAM	1	37	19.50	19.62	19.60	20.5	0		
15	64QAM	1	74	19.41	19.54	19.61				
15	64QAM	36	0	19.47	19.63	19.60				
15	64QAM	36	20	19.42	19.41	19.45	20.5	0		
15	64QAM	36	39	19.51	19.46	19.52				
15	64QAM	75	0	19.50	19.69	19.44				
Channel										
Frequency (MHz)										
10	QPSK	1	0	19.77	19.77	19.81				
10	QPSK	1	25	19.70	19.65	19.72	20.5	0		
10	QPSK	1	49	19.59	19.61	19.74				
10	QPSK	25	0	19.62	19.77	19.65				
10	QPSK	25	12	19.69	19.64	19.70	20.5	0		
10	QPSK	25	25	19.61	19.63	19.66				
10	QPSK	50	0	19.54	19.78	19.60				
10	16QAM	1	0	19.61	19.81	19.77				
10	16QAM	1	25	19.54	19.58	19.82	20.5	0		
10	16QAM	1	49	19.56	19.53	19.73				
10	16QAM	25	0	19.67	19.61	19.65				
10	16QAM	25	12	19.48	19.57	19.80	20.5	0		
10	16QAM	25	25	19.48	19.58	19.60				
10	16QAM	50	0	19.55	19.66	19.53				
10	64QAM	1	0	19.57	19.73	19.68				
10	64QAM	1	25	19.52	19.58	19.62	20.5	0		
10	64QAM	1	49	19.53	19.53	19.59				
10	64QAM	25	0	19.53	19.64	19.55				
10	64QAM	25	12	19.49	19.46	19.55	20.5	0		
10	64QAM	25	25	19.48	19.47	19.58				
10	64QAM	50	0	19.44	19.59	19.55				
Channel										
Frequency (MHz)										
5	QPSK	1	0	19.72	19.79	19.83				
5	QPSK	1	12	19.65	19.72	19.72	20.5	0		
5	QPSK	1	24	19.62	19.70	19.74				
5	QPSK	12	0	19.70	19.75	19.71				
5	QPSK	12	7	19.65	19.65	19.62	20.5	0		
5	QPSK	12	13	19.58	19.63	19.65				
5	QPSK	25	0	19.59	19.81	19.60				
5	16QAM	1	0	19.61	19.64	19.70	20.5	0		
5	16QAM	1	12	19.58	19.64	19.70				
5	16QAM	1	24	19.50	19.61	19.64				
5	16QAM	12	0	19.54	19.65	19.60				
5	16QAM	12	7	19.52	19.58	19.85	20.5	0		
5	16QAM	12	13	19.50	19.63	19.56				
5	16QAM	25	0	19.59	19.69	19.55				
5	64QAM	1	0	19.59	19.69	19.66				
5	64QAM	1	12	19.50	19.56	19.64	20.5	0		
5	64QAM	1	24	19.40	19.47	19.51				
5	64QAM	12	0	19.50	19.66	19.63				
5	64QAM	12	7	19.40	19.47	19.44	20.5	0		
5	64QAM	12	13	19.52	19.52	19.56				
5	64QAM	25	0	19.50	19.64	19.64				
Channel										
Frequency (MHz)										
3	QPSK	1	0	19.72	19.87	19.83				
3	QPSK	1	8	19.65	19.71	19.75	20.5	0		
3	QPSK	1	14	19.51	19.70	19.76				
3	QPSK	8	0	19.69	19.73	19.75				
3	QPSK	8	4	19.64	19.70	19.72	20.5	0		
3	QPSK	8	7	19.62	19.63	19.65				
3	QPSK	15	0	19.61	19.83	19.56				
3	16QAM	1	0	19.61	19.73	19.66				
3	16QAM	1	8	19.62	19.62	19.66	20.5	0		
3	16QAM	1	14	19.46	19.52	19.55				
3	16QAM	8	0	19.48	19.65	19.58				
3	16QAM	8	4	19.49	19.40	19.53	20.5	0		
3	16QAM	8	7	19.46	19.57	19.55				
3	16QAM	15	0	19.51	19.61	19.38				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	19.78	19.84	19.80				
1.4	QPSK	1	3	19.72	19.82	19.73	20.5	0		
1.4	QPSK	1	5	19.60	19.65	19.77				
1.4	QPSK	3	0	19.62	19.74	19.70				
1.4	QPSK	3	1	19.63	19.69	19.67	20.5	0		
1.4	QPSK	3	3	19.56	19.60	19.71				
1.4	QPSK	6	0	19.53	19.75	19.56				
1.4	16QAM	1	0	19.59	19.70	19.62	20.5	0		
1.4	16QAM	1	3	19.58	19.68	19.67				
1.4	16QAM	1	5	19.47	19.53	19.70				
1.4	16QAM	3	0	19.53	19.62	19.67	20.5	0		
1.4	16QAM	3	1	19.56	19.59	19.64				
1.4	16QAM	3	3	19.56	19.55	19.55				
1.4	64QAM	1	0	19.49	19.70	19.72	20.5	0		
1.4	64QAM	1	3	19.54	19.73	19.63				
1.4	64QAM	1	5	19.43	19.63	19.61				
1.4	64QAM	3	0	19.54	19.65	19.58	20.5	0		
1.4	64QAM	3	1	19.42	19.45	19.46				
1.4	64QAM	3	3	19.49	19.52	19.50				
1.4	64QAM	6	0	19.50	19.67	19.41	20.5	0		

Band 4 Ant4 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										
Frequency (MHz)										
20	QPSK	1	0	19.22	19.36	19.25				
20	QPSK	1	49	19.21	19.25	19.14	20	0		
20	QPSK	1	99	19.17	19.15	19.11				
20	QPSK	50	0	19.22	19.33	19.19				
20	QPSK	50	24	19.20	19.35	19.20	20.5	0		
20	QPSK	50	50	19.08	19.27	19.10				



Band 7 Ant4 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								
Frequency (MHz)								
20	QPSK	1	0	18.41	18.49	18.47		
20	QPSK	1	49	18.40	18.44	18.41	19.5	0
20	QPSK	1	99	18.40	18.32	18.34		
20	QPSK	50	0	18.35	18.45	18.33		
20	QPSK	50	24	18.21	18.20	18.18	19.5	0
20	QPSK	50	50	18.18	18.25	18.33		
20	QPSK	100	0	18.28	18.31	18.22		
20	16QAM	1	0	18.40	18.45	18.41		
20	16QAM	1	49	18.38	18.30	18.37	19.5	0
20	16QAM	1	99	18.25	18.34	18.36		
20	16QAM	50	0	18.25	18.42	18.29		
20	16QAM	50	24	18.13	18.16	18.07	19.5	0
20	16QAM	50	50	18.21	18.21	18.24		
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	50	0	18.31	18.30	18.22		
20	64QAM	50	0	18.21	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								
Frequency (MHz)								
15	QPSK	1	0	18.16	18.14	18.23		
15	QPSK	1	37	18.12	18.10	18.09	19.5	0
15	QPSK	1	74	18.10	17.98	18.09		
15	QPSK	36	0	18.07	18.18	18.09		
15	QPSK	36	20	17.90	18.05	17.95	19.5	0
15	QPSK	36	39	17.88	17.89	18.02		
15	QPSK	75	0	17.92	17.98	17.96		
15	16QAM	1	0	18.06	18.12	17.91		
15	16QAM	1	37	18.06	17.93	18.12	19.5	0
15	16QAM	1	74	18.01	18.05	18.05		
15	16QAM	36	0	17.95	18.05	18.06		
15	16QAM	36	20	17.84	17.88	17.74	19.5	0
15	16QAM	36	39	17.88	17.85	17.88		
15	16QAM	75	0	18.06	18.12	17.91		
15	64QAM	1	0	18.10	18.20	18.10		
15	64QAM	1	37	18.15	17.98	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	17.96	18.02		
15	64QAM	75	0	17.90	18.09	17.89		
Channel								
Frequency (MHz)								
10	QPSK	1	0	18.09	18.20	18.11		
10	QPSK	1	25	18.12	18.20	18.12	19.5	0
10	QPSK	1	49	18.10	18.04	17.98		
10	QPSK	25	0	18.02	18.14	18.04		
10	QPSK	25	12	17.93	18.03	17.89	19.5	0
10	QPSK	25	25	17.89	17.93	17.97		
10	QPSK	50	0	18.00	17.99	17.92		
10	16QAM	1	0	18.15	18.25	18.15		
10	16QAM	1	25	18.03	17.96	18.14	19.5	0
10	16QAM	1	49	17.93	18.05	18.00		
10	16QAM	25	0	17.96	18.18	18.05		
10	16QAM	25	12	17.77	17.82	17.84	19.5	0
10	16QAM	25	25	17.94	17.97	17.91		
10	16QAM	50	0	18.02	18.13	17.84		
10	64QAM	1	0	18.08	18.19	18.18		
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								
Frequency (MHz)								
5	QPSK	1	0	18.14	18.21	18.20		
5	QPSK	1	12	18.03	18.19	18.13	19.5	0
5	QPSK	1	24	18.12	18.00	18.09		
5	QPSK	12	0	18.05	18.08	17.97		
5	QPSK	12	7	17.90	17.94	17.81	19.5	0
5	QPSK	12	13	17.82	17.95	18.06		
5	QPSK	25	0	17.95	17.95	17.89		
5	16QAM	1	0	18.13	18.17	18.10		
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	19.5	0
5	16QAM	12	13	17.85	17.95	17.99		
5	16QAM	25	0	18.01	18.17	17.93		
5	64QAM	1	0	18.08	18.17	18.12		
5	64QAM	1	12	18.08	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 Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	0	25.07	25.27	25.10		
10	QPSK	1	25	25.04	25.15	25.14	25.5	0
10	QPSK	1	49	25.00	25.07	25.04		
10	QPSK	25	0	24.07	24.27	24.09		
10	QPSK	25	12	24.08	24.21	24.04	24.5	1
10	QPSK	25	25	24.23	24.22	23.98		
10	QPSK	50	0	24.10	24.16	24.15		
10	16QAM	1	0	24.18	24.25	24.36		
10	16QAM	1	25	24.39	24.48	24.28	24.5	1
10	16QAM	1	49	24.42	24.33	24.22		
10	16QAM	25	0	23.10	23.01	23.27		
10	16QAM	25	12	23.29	23.29	23.17	23.5	2
10	16QAM	25	25	23.29	23.13	23.16		
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	23.29	23.15	23.31		
10	64QAM	25	0	23.04	22.11	22.95		
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								
Frequency (MHz)								
5	QPSK	1	0	25.03	25.15	25.05		
5	QPSK	1	12	24.82	25.13	24.92	25.5	0
5	QPSK	1	24	24.95	24.85	25.05		
5	QPSK	12	0	23.86	24.19	23.98		
5	QPSK	12	7	23.92	24.02	24.01		
5	QPSK	12	13	24.11	24.14	23.84	24.5	1
5	QPSK	25	0	24.08	23.98	24.07		
5	16QAM	1	0	24.16	24.22	24.14		
5	16QAM	1	12	24.25	24.26	24.15	24.5	1
5	16QAM	1	24	24.39	24.34	24.17		
5	16QAM	12	0	22.97	22.85	23.14		
5	16QAM	12	7	23.16	23.15	23.04	23.5	2
5	16QAM	12	13	23.29	22.98	23.09		
5	16QAM	25	0	22.98	22.92	23.15		
5	64QAM	1	0	23.13	22.88	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		
5	64QAM	12	13	22.14	21.88	22.16	22.5	3
5	64QAM	25	0	21.84	22.10	21.83		
Channel								
Frequency (MHz)								
3	QPSK	1	0	25.06	25.10	24.97		
3	QPSK	1	8	24.86	24.96	25.04	25.5	0
3	QPSK	1	14	24.93	24.85	24.92		
3	QPSK	8	0	24.01	24.06	23.95		
3	QPSK	8	4	23.90	24.18	23.96	24.5	1
3	QPSK	8	7	24.11	24.11	23.87		
3	QPSK	15	0	24.04	24.03	24.05		
3	16QAM	1	0	24.08	24.14	24.23		
3	16QAM	1	8	24.37	24.34	24.20	24.5	1
3	16QAM	1	14	24.37	24.26	24.03		
3	16QAM	8	0	23.12	22.93	23.09		
3	16QAM	8	4	23.08	23.10	23.01	23.5	2
3	16QAM	8	7	23.19	22.93	23.13		
3	16QAM	15	0	23.09	22.87	23.19	</	



Band 17 Ant4 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									
Frequency (MHz)									
10	QPSK	1	0	25.19	25.26	25.13			
10	QPSK	1	25	25.20	25.22	25.15			25.5
10	QPSK	1	49	25.12	25.03	25.05			
10	QPSK	25	0	24.20	24.34	24.12			24.5
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			
10	16QAM	1	0	24.35	24.25	24.32			
10	16QAM	1	25	24.10	24.21	24.22			24.5
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			
10	16QAM	25	25	23.25	23.26	23.10			
10	16QAM	50	0	23.26	23.28	23.17			
10	84QAM	1	0	23.23	23.30	23.24			
10	84QAM	1	25	23.47	23.40	23.40			
10	84QAM	1	49	23.27	23.27	23.40			
10	84QAM	25	0	22.17	22.21	22.12			
10	84QAM	25	12	22.25	22.33	22.28			
10	84QAM	25	25	22.11	22.19	22.10			
10	84QAM	50	0	22.07	22.15	22.14			
Channel									
Frequency (MHz)									
5	QPSK	1	0	24.99	25.13	25.00			
5	QPSK	1	12	25.14	25.18	25.03			25.5
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
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
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
5	16QAM	25	0	23.15	23.10	22.96			
5	84QAM	1	0	23.08	23.18	23.19			
5	84QAM	1	12	23.28	23.31	23.21			23.5
5	84QAM	1	24	23.23	23.21	23.27			
5	84QAM	12	0	22.18	22.13	22.12			
5	84QAM	12	7	22.16	22.34	22.12			
5	84QAM	12	13	21.96	22.20	22.04			22.5
5	84QAM	25	0	22.07	22.02	22.00			

Band 26 Ant4 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									
Frequency (MHz)									
15	QPSK	1	0	25.23	25.34	25.11			
15	QPSK	1	37	25.19	25.29	25.20			25.5
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	24.35	24.38			24.5
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
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
15	16QAM	36	39	23.29	23.24	23.30			
15	16QAM	75	0	23.30	23.40	23.26			
15	84QAM	1	0	23.28	23.37	23.14			
15	84QAM	1	37	23.01	23.24	23.18			23.5
15	84QAM	1	74	23.20	23.29	23.09			
15	84QAM	36	0	22.30	22.29	22.14			
15	84QAM	36	20	22.24	22.19	22.25			
15	84QAM	36	39	22.36	22.30	22.13			
15	84QAM	75	0	22.00	22.26	22.14			
Channel									
Frequency (MHz)									
10	QPSK	1	0	25.09	25.22	25.07			
10	QPSK	1	12	25.10	25.10	25.01			25.5
10	QPSK	1	24	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
10	QPSK	25	25	24.21	24.15	24.08			
10	QPSK	50	0	24.09	24.23	24.13			
10	16QAM	1	0	23.32	23.34	23.33			
10	16QAM	1	25	24.05	24.02	24.19			24.5
10	16QAM	1	49	24.24	24.25	23.96			
10	16QAM	25	0	23.26	23.30	23.25			
10	16QAM	25	12	23.41	23.12	23.39			23.5
10	16QAM	25	25	23.18	23.17	23.20			
10	16QAM	50	0	23.30	23.34	23.33			
10	84QAM	1	0	23.14	23.22	23.00			
10	84QAM	1	25	22.80	23.05	23.11			23.5
10	84QAM	1	49	23.17	23.18	22.97			
10	84QAM	25	0	22.21	22.22	22.13			
10	84QAM	25	12	22.09	22.04	22.10			
10	84QAM	25	25	22.15	22.09	21.91			22.5
10	84QAM	50	0	21.93	22.20	21.93			
Channel									
Frequency (MHz)									
5	QPSK	1	0	25.19	25.31	24.93			
5	QPSK	1	12	25.10	25.10	25.01			25.5
5	QPSK	1	24	24.83	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
5	QPSK	12	13	24.27	24.07	24.07			
5	QPSK	25	0	23.98	24.06	24.01			
5	16QAM	1	0	24.26	24.16	24.17			
5	16QAM	1	12	24.07	24.20	24.17			24.5
5	16QAM	1	24	24.11	24.14	24.05			
5	16QAM	12	0	23.20	23.26	23.24			
5	16QAM	12	7	23.44	23.36	23.34			23.5
5	16QAM	12	13	23.21	23.09	23.29			
5	16QAM	25	0	23.17	23.33	23.22			
5	84QAM	1	0	23.10	23.16	23.06			
5	84QAM	1	12	22.92	23.19	22.98			23.5
5	84QAM	1	24	23.11	23.06	23.04			
5	84QAM	12	0	22.13	22.15	21.94			
5	84QAM	12	7	22.21	21.97	22.24			22.5
5	84QAM	12	13	22.21	22.31	22.15			
5	84QAM	25	0	21.98	22.06	21.99			
Channel									
Frequency (MHz)									
3	QPSK	1	0	25.23	25.22	24.90			
3	QPSK	1	12	25.07	25.07	25.12			25.5
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
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			
3	16QAM	1	8	23.97	24.22	24.23			24.5
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
3	16QAM	8	7	23.21	23.04	23.12			
3	16QAM	15	0	23.15	23.21	23.22			
3	84QAM	1	0	23.19	23.33	22.97			
3	84QAM	1	8	22.87	23.21	23.08			23.5
3	84QAM	1	14	23.13	23.30	22.91			
3	84QAM	8	0	22.15	22.30	22.08			
3	84QAM	8	4	22.23	22.19	22.04			22.5
3	84QAM	8	7	22.17	22.27	21.92			
3	84QAM	15	0	21.90	22.23	21.98			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	25.09	25.17	25.07			
1.4	QPSK	1	3	25.00	25.17	25.01			25.5
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			
1.4	QPSK	6	0	24.23	24.26	23.96			24.5
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	24.19	24.08	24.14			24.5
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	24.32	24.07			
1.4	16QAM	6	0	23.34	23.31	23.19			23.5
1.4	84QAM	1	0	23.38	23.19	23.26			
1.4	84QAM	1	3	23.10	23.23	23.31			
1.4	84QAM	1	5	23.15	23.41	23.13			23.5
1.4	84QAM	3	0	23.25	23.23	22.96			
1.4	84QAM	3	1	23.03	23.17	23.11			
1.4	84QAM	3	3	23.01	23.12	22.94			
1.4	84QAM	6	0	22.30	22.18	21.94			22.5



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										
Frequency (MHz)										
37650 38000 38150										
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	84QAM	1	0	20.31	20.34	20.28				
20	84QAM	1	49	20.26	20.41	20.30	21.5	0		
20	84QAM	1	99	20.23	20.32	20.35				
20	84QAM	50	0	20.18	20.40	20.20				
20	84QAM	50	24	20.22	20.31	20.34	21.5	0		
20	84QAM	50	50	20.24	20.39	20.44				
20	84QAM	100	0	20.26	20.37	20.25				
Channel										
Frequency (MHz)										
37625 38000 38175										
2577.5 2595 2612.5										
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	84QAM	1	0	20.06	20.07	20.01				
15	84QAM	1	37	19.90	20.09	19.99	21.5	0		
15	84QAM	1	74	19.91	20.01	20.09				
15	84QAM	36	0	19.94	20.05	19.91				
15	84QAM	36	20	19.87	19.95	19.98	21.5	0		
15	84QAM	36	39	19.96	20.15	20.12				
15	84QAM	75	0	19.89	20.14	19.93				
Channel										
Frequency (MHz)										
37800 38000 38200										
2675 2695 2615										
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	84QAM	1	0	20.06	20.06	20.05				
10	84QAM	1	25	19.96	20.17	20.00	21.5	0		
10	84QAM	1	49	19.90	19.98	20.01				
10	84QAM	25	0	19.81	20.16	19.84				
10	84QAM	25	12	19.94	20.07	20.07	21.5	0		
10	84QAM	25	25	19.91	20.16	20.17				
10	84QAM	50	0	19.99	20.01	19.98				
Channel										
Frequency (MHz)										
37775 38000 38225										
2572.5 2595 2617.5										
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	84QAM	1	0	19.95	19.99	20.03				
5	84QAM	1	12	20.03	20.12	20.01	21.5	0		
5	84QAM	1	24	19.96	19.98	20.00				
5	84QAM	12	0	19.94	20.09	19.96				
5	84QAM	12	7	19.94	20.05	20.10	21.5	0		
5	84QAM	12	13	19.91	20.06	20.17				
5	84QAM	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										
Frequency (MHz)										
39750 40185 40620 41055 41490										
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	84QAM	1	0	20.36	20.21	20.46	20.44	20.34		
20	84QAM	1	49	20.31	20.34	20.28	20.42	20.31	21.5	0
20	84QAM	1	99	20.21	20.19	20.15	20.26	20.23		
20	84QAM	50	0	20.21	20.40	20.45	20.43	20.24		
20	84QAM	50	24	20.19	20.28	20.26	20.22	20.42	21.5	0
20	84QAM	50	50	20.23	20.29	20.32	20.22	20.19		
20	84QAM	100	0	20.27	20.41	20.37	20.49	20.37		
Channel										
Frequency (MHz)										
39725 40173 40620 41068 41515										
2503.5 2548.3 2593 2637.8 2692.5										
15	QPSK	1	0	20.12	20.04	20.20	20.07	20.15	21.5	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	19.94		
15	QPSK	36	0	19.97	20.08	20.10	20.09	20.07	21.5	0
15	QPSK	36	20	19.89	20.03	19.95	19.89	20.05		
15	QPSK	36	39	19.88	20.06	20.05	19.88	20.00		
15	QPSK	75	0	20.05	20.08	20.12	20.00	20.07	21.5	0
15	16QAM	1	0	19.97	19.98	20.13	20.09	20.05		
15	16QAM	1	37	20.04	20.07	19.88	20.11	19.94		
15	16QAM	1	74	19.90	20.00	19.86	19.93	19.98	21.5	0
15	16QAM	36	0	19.80	20.16	20.15	20.00	19.92		
15	16QAM	36	20	19.90	19.97	19.89	19.73	19.93		
15	16QAM	36	39	19.80	19.95	19.95	19.86	19.92	21.5	0
15	16QAM	75	0	19.89	20.00	20.13	20.12	20.05		
15	84QAM	1	0	20.10	19.88	20.13	20.16	20.02		
15	84QAM	1	37	20.05	20.04	19.93	20.09	19.97	21.5	0
15	84QAM	1	74	19.89	19.86	19.83	19.94	19.90		
15	84QAM	36	0	19.88	20.10	20.21	20.17	19.94		
15	84QAM	36	20	19.85	20.02	19.97	19.86	20.05	21.5	0
15	84QAM	36	39	19.92	19.99	20.08	19.99	19.90		
15	84QAM	75	0	19.91	20.10	20.09	20.14	20.08		
Channel										
Frequency (MHz)										
39700 40160 40620 41080 41540										
2501 2547 2593 2639 2685										
10	QPSK	1	0	20.19	20.09	20.22	20.16	20.06	21.5	0
10	QPSK	1	25	20.12	20.08	19.99	20.18	20.15		
10	QPSK	1	49	20.00	20.02	19.91	19.97	19.92		
10	QPSK	25	0	19.97	20.16	20.11	20.07	20.08	21.5	0
10	QPSK	25	12	19.89	19.93	19.97	20.00	20.11		
10	QPSK	25	25	19.93	20.00	20.02	19.89	19.95		
10	QPSK	50	0	20.04	20.01	20.06	20.04	20.07	21.5	0
10	16QAM	1	0	20.05	19.98	20.15	20.16	20.03		
10	16QAM	1	25	20.10	20.11	19.90	20.13	19.92		
10	16QAM	1	49	19.85	19.96	19.87	19.84	19.99	21.5	0
10	16QAM	25	0	19.89	20.13	20.09	19.93	20.01		
10	16QAM	25	12	19.93	19.90	19.83	19.76	19.98		
10	16QAM	25	25	19.81	20.00	19.96	19.89	19.83	21.5	0
10	16QAM	50	0	19.88	20.01	20.09	20.02	20.07		
10	84QAM	1								



Uplink CA Power

Ant 1 Full Power DSI1&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 1 Full Power DSI1&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 1 Full Power DSI1

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 DSI2&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		

Ant 4 Full Power DSI2&3

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	24.52	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 4 Full Power DSI2&3

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 DSI3&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	18.27	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 DSI3&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 DSI2

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 DSI1&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 DSI1&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 DSI3&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 DSI1

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	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											SCC				Power	
	LTE Band	Ant	BW	UL	UL	Mod.	UL#	UL	DL Antenna Configuration	LTE Band	BW	DL	DL	DL Antenna Configuration	With CA	Without CA	
			(MHz)	Freq (MHz)	Channel		RB	Offset			(MHz)	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	
CA_2A-5A	Band 4	Ant1	20M	2132.5	20175	QPSK	1	0		Band 2	20M	1960	900		24.01	24.16	
	Band 4	Ant4	20M	2132.5	20175	QPSK	1	0		Band 2	20M	1960	900		24.10	24.25	
CA_2A-6A	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	
CA_2A-7A	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900		24.67	24.62	
	Band 5	Ant4	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900		25.36	25.32	
CA_2A-7A	Band 2	Ant1	20M	1880	18800	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	24.22	24.36	
	Band 2	Ant4	20M	1880	18800	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	24.37	24.42	
CA_2A-7A	Band 7	Ant1	20M	2535	21100	QPSK	1	0		Band 2	20M	1960	900		24.45	24.43	
	Band 7	Ant4	20M	2535	21100	QPSK	1	0		4x4MIMO	Band 2	20M	1960		900	24.17	24.40
CA_2A-66A	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	
CA_2A-66A	Band 66	Ant1	20M	1745	132322	QPSK	1	0		Band 2	20M	1960	900		24.18	24.25	
	Band 66	Ant4	20M	1745	132322	QPSK	1	0		Band 2	20M	1960	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	
CA_4A-5A	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 2	20M	2655	3100	4x4MIMO	23.98	24.16	
	Band 4	Ant4	20M	1732.5	20175	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	24.18	24.25	
CA_4A-7A	Band 7	Ant1	20M	2535	21100	QPSK	1	0		Band 4	20M	2132.5	2175		24.34	24.43	
	Band 7	Ant4	20M	2535	21100	QPSK	1	0		4x4MIMO	Band 4	20M	2132.5		2175	24.44	24.40
CA_4A-26A	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	
CA_4A-26A	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	4x4MIMO	24.47	24.62	
	Band 5	Ant4	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	25.17	25.32	
CA_5A-7A	Band 7	Ant1	20M	2535	21100	QPSK	1	0		Band 5	10M	881.5	2525		24.21	24.43	
	Band 7	Ant4	20M	2535	21100	QPSK	1	0		4x4MIMO	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	
CA_5A-66A	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		Band 7	20M	2674.8	3298	4x4MIMO	24.42	24.43	
	Band 7	Ant4	20M	2535	21100	QPSK	1	0		4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	24.30	24.40
CA_7C	Band 7	Ant1	20M	2535	21100	QPSK	1	0		Band 7	20M	2674.8	3298	4x4MIMO	24.41	24.43	
	Band 7	Ant4	20M	2535	21100	QPSK	1	0		4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	24.37	24.40
CA_7A-7A	Band 7	Ant1	20M	2535	21100	QPSK	1	0		Band 7	5M	2687.5	3425	4x4MIMO	24.18	24.43	
	Band 7	Ant4	20M	2535	21100	QPSK	1	0		4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	24.17	24.40
CA_7A-26A	Band 7	Ant1	20M	2535	21100	QPSK	1	0		Band 26	15M	876.5	8865		24.36	24.43	
	Band 7	Ant4	20M	2535	21100	QPSK	1	0		4x4MIMO	Band 26	15M	876.5		8865	24.22	24.40
CA_7A-26A	Band 26	Ant1	15M	831.5	26865	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	24.61	24.65	
	Band 26	Ant4	15M	831.5	26865	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	25.28	25.34	
CA_7A-66A	Band 7	Ant1	20M	2535	21100	QPSK	1	0		Band 66	20M	2155	66886		24.47	24.43	
	Band 7	Ant4	20M	2535	21100	QPSK	1	0		4x4MIMO	Band 66	20M	2155		66886	24.22	24.40
CA_7A-66A	Band 66	Ant1	20M	1745	132322	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	24.19	24.25	
	Band 66	Ant4	20M	1745	132322	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	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	
CA_12A-66A	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		Band 38	20M	2614.8	38198	4x4MIMO	24.38	24.42	
	Band 38	Ant4	20M	2595	38000	QPSK	1	0		4x4MIMO	Band 38	20M	2614.8	38198	4x4MIMO	24.54	24.50
CA_41C	Band 41	Ant1	20M	2593	40620	QPSK	1	0		Band 41	20M	2612.8	40818	4x4MIMO	24.38	24.48	
	Band 41	Ant4	20M	2593	40620	QPSK	1	0		4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	24.45	24.55
CA_41A-41A	Band 41	Ant1	20M	2593	40620	QPSK	1	0		Band 41	5M	2687.5	41565	4x4MIMO	24.35	24.48	
	Band 41	Ant4	20M	2593	40620	QPSK	1	0		4x4MIMO	Band 41	5M	2687.5	41565	4x4MIMO	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								
Frequency (MHz)				168300	167300	167600		
				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	24.38	24.30		
20	PI2 BPSK	50	0	23.60	23.73	23.68	25.0	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	25.0	0.5
20	QPSK	1	1	24.48	24.56	24.48		
20	QPSK	1	53	24.39	24.50	24.42	25.5	0.0
20	QPSK	1	104	24.36	24.44	24.31		
20	QPSK	50	0	23.18	23.33	23.19	24.5	1.0
20	QPSK	50	28	24.35	24.42	24.34	25.5	0.0
20	QPSK	50	56	23.39	23.44	23.34	24.5	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	24.5	1.0
20	16QAM	1	1	21.62	21.71	21.60	23.0	2.5
20	256QAM	1	1	20.16	20.28	20.13	21.0	4.5
Channel								
Frequency (MHz)				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)
				831.5	836.5	841.5		
15	QPSK	1	1	24.41	24.47	24.30	25.5	0.0
Channel								
Frequency (MHz)				165500	163200	165300	Tune-up limit (dBm)	MPR (dB)
				829	836.5	844		
10	QPSK	1	1	24.37	24.48	24.38	25.5	0.0
Channel								
Frequency (MHz)				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
				842.5	838.5	844.5		
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								
Frequency (MHz)				502000	507000	512000		
				2510	2535	2550		
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	25.0	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	25.0	0.5
20	QPSK	1	1	24.73	24.79	24.67		
20	QPSK	1	53	24.62	24.73	24.62	25.5	0.0
20	QPSK	1	104	24.61	24.66	24.53		
20	QPSK	50	0	23.58	23.64	23.54	24.5	1.0
20	QPSK	50	28	24.40	24.53	24.40	25.5	0.0
20	QPSK	50	56	23.66	23.71	23.56	24.5	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	24.5	1.0
20	16QAM	1	1	21.76	21.84	21.75	23.0	2.5
20	256QAM	1	1	20.40	20.48	20.36	21.0	4.5
Channel								
Frequency (MHz)				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
				2507.5	2535	2562.5		
15	QPSK	1	1	24.58	24.66	24.54	25.5	0.0
Channel								
Frequency (MHz)				501000	507000	513500	Tune-up limit (dBm)	MPR (dB)
				2505	2535	2565		
10	QPSK	1	1	24.60	24.70	24.53	25.5	0.0
Channel								
Frequency (MHz)				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
				2502.5	2535	2567.5		
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								
Frequency (MHz)				346000	345000	352000		
				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	50	0	23.60	23.73	23.56	24.5	0.5
40	PI2 BPSK	108	54	23.94	24.01	23.90	25.0	0.0
40	PI2 BPSK	108	108	23.39	23.49	23.44	24.5	0.5
40	PI2 BPSK	216	0	23.46	23.53	23.42		
40	QPSK	1	1	24.04	24.06	23.97		
40	QPSK	1	108	23.92	24.00	23.94	25.0	0.0
40	QPSK	1	214	23.80	23.93	23.85		
40	QPSK	108	0	23.09	23.20	23.12	24.0	1.0
40	QPSK	108	54	23.92	24.03	23.86	25.0	0.0
40	QPSK	108	108	23.06	23.11	22.98	24.0	1.0
40	QPSK	216	0	23.13	23.21	23.09	24.0	1.0
40	16QAM	1	1	22.28	22.35	22.29	24.0	1.0
40	16QAM	1	1	20.76	20.90	20.84	22.5	2.5
40	256QAM	1	1	19.39	19.49	19.42	20.5	4.5
Channel								
Frequency (MHz)				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
				1720	1745	1770		
20	QPSK	1	1	23.92	24.01	23.83	25.0	0.0
Channel								
Frequency (MHz)				343500	345500	345500	Tune-up limit (dBm)	MPR (dB)
				1717.5	1745	1772.5		
15	QPSK	1	1	23.90	23.97	23.89	25.0	0.0
Channel								
Frequency (MHz)				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
				1715	1745	1772		
10	QPSK	1	1	23.98	23.94	23.85	25.0	0.0
Channel								
Frequency (MHz)				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
				1712.5	1745	1777.5		
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				519004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI2 BPSK	1	1	24.32	24.40	24.40		
40	PI2 BPSK	1	53	24.25	24.34	24.22	25.5	0.0
40	PI2 BPSK	1	104	24.33	24.42	24.20		
40	PI2 BPSK	50	0	23.89	23.95	23.82	25.0	0.5
40	PI2 BPSK	50	28	24.45	24.49	24.39	25.5	0.0
40	PI2 BPSK	50	58	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	58	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				515500	515000	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				516004	518000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.02	2595	2614.98		
10	QPSK	1	1	24.34	24.40	24.38	25.5	0.0
Channel				516000	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	2684.99		
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	269	23.08	23.16	23.00		
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	24.5	0.0
50	QPSK	270	0	23.83	23.88	23.78		
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				501204	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	2682.48		
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	2684.99		
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	27.0	0.0
50	QPSK	270	0	25.62	25.76	25.70		
50	16QAM	1	1	24.47	24.80	24.52	26.0	1.0
50	64QAM	1	1	23.39	23.44	23.35	24.5	2.5
50	256QAM	1	1	21.94	22.01	21.93	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				501204	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	2682.48		
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	25.08	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	663668		
Frequency (MHz)				3726.01	3840	3955.02		
50	PI2 BPSK	1	1	21.26	21.27	21.27		
50	PI2 BPSK	1	135	21.26	21.29	21.30	23.5	0.0
50	PI2 BPSK	1	268	21.29	21.28	21.22		
50	PI2 BPSK	135	0	21.27	21.28	21.28	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	21.28	21.28		
50	QPSK	1	1	21.26	21.28	21.23		
50	QPSK	1	135	21.31	21.30	21.24	23.5	0.0
50	QPSK	1	268	21.29	21.25	21.22		
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		
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	650000	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				633334	650000	665000	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	650000	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	650000	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			
50	PI2 BPSK	1	135		21.35		23.5	0.0
50	PI2 BPSK	1	268		21.36			
50	PI2 BPSK	135	0		21.32		23.5	0.0
50	PI2 BPSK	135	68		21.35		23.5	0.0
50	PI2 BPSK	135	135		21.35		23.5	0.0
50	PI2 BPSK	270	0		21.33		23.0	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		23.5	0.0
50	QPSK	270	0		21.34		22.5	0.0
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	633900	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)				3447.5	3500.01	3492.52		
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	650000	650000	
Frequency (MHz)					3750	3750		
50	PI2 BPSK	1	1		22.82			
50	PI2 BPSK	1	135		23.20		23.0	0.0
50	PI2 BPSK	1	268		23.14			
50	PI2 BPSK	135	0		23.08		23.0	0.0
50	PI2 BPSK	135	68		23.04		23.0	0.0
50	PI2 BPSK	135	135		22.97		23.0	0.0
50	PI2 BPSK	270	0		22.93			
50	QPSK	1	1		22.81			
50	QPSK	1	135		23.24		23.0	0.0
50	QPSK	1	268		23.19			
50	QPSK	135	0		23.06		23.0	0.0
50	QPSK	135	68		23.07		23.0	0.0
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	22.59	22.83	22.83	23.0	0.0
Channel				647334	650000	653000	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	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3762.51		
15	QPSK	1	19	22.82	22.81	22.88	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				
50	PI2 BPSK	1	135	23.06			0.0	0.0
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	22.89			-0.5	0.5
50	QPSK	1	1	22.87				
50	QPSK	1	135	23.09			0.0	0.0
50	QPSK	1	268	23.07				
50	QPSK	135	0	22.84				
50	QPSK	135	68	22.98			0.0	0.0
50	QPSK	135	135	22.89				
50	QPSK	270	0	22.89			-1.0	1.0
50	16QAM	1	1	22.88			-1.0	1.0
50	16QAM	1	1	22.86			-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				630268	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	26	22.98	22.86	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



Par270 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								
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	22.64	22.57	22.54		
50	QPSK	1	135	23.55	23.01	23.98	24.5	0.0
50	QPSK	1	268	22.82	22.68	22.91		
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	24.5	0.0
50	16QAM	1	1	22.29	22.42	22.29	23.5	1.0
50	16QAM	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								
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	53	22.85	22.54	22.52	24.5	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	26	22.64	22.60	22.58	24.5	0.0
Channel								
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	19	22.70	22.60	22.53	24.5	0.0
Channel								
Frequency (MHz)				3470.00	3500.00	3530.00		
10	QPSK	1	12	22.64	22.55	22.60	24.5	0.0

Par270 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)				3725.01	3840	3955.02		
50	Pl2 BPSK	1	1	25.11	25.08	25.02		
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	27.0	0.0
50	QPSK	1	1	25.03	25.21	25.07		
50	QPSK	1	135	25.65	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	25.68	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	27.0	0.0
50	16QAM	1	1	24.14	24.29	24.21	26.0	1.0
50	16QAM	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								
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	53	25.11	25.03	25.21	27.0	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	26	25.11	25.12	25.07	27.0	0.0
Channel								
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	19	25.17	25.05	25.01	27.0	0.0
Channel								
Frequency (MHz)				3470.00	3500.00	3530.00		
10	QPSK	1	12	25.03	25.14	25.08	27.0	0.0

Part27Q 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								
Frequency (MHz)				3500.01				
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			24.5	0.0
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	22.81				
50	QPSK	1	135	23.37			24.5	0.0
50	QPSK	1	268	22.51				
50	QPSK	135	0	23.15			24.5	0.0
50	QPSK	135	68	23.29			24.5	0.0
50	QPSK	135	135	23.21			24.5	0.0
50	QPSK	270	0	23.14			24.5	0.0
50	16QAM	1	1	22.43			23.5	1.0
50	16QAM	1	1	22.40			23.5	1.0
50	256QAM	1	1	21.52			22.0	2.5
Channel								
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	22.59	22.81	22.67	24.5	0.0
Channel								
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26	22.59	22.85	22.83	24.5	0.0
Channel								
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	22.58	22.57	22.60	24.5	0.0
Channel								
Frequency (MHz)				3445.01	3485.01	3485.01		
10	QPSK	1	12	22.61	22.59	22.58	24.5	0.0



Part270 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	PI2 BPSK	1	1	25.11	633334				
50	PI2 BPSK	1	135	25.65			27.0	0.0	
50	PI2 BPSK	1	268	26.03					
50	PI2 BPSK	135	0	26.17			27.0	0.0	
50	PI2 BPSK	135	68	26.33					
50	PI2 BPSK	135	135	26.12					
50	PI2 BPSK	270	0	26.18			27.0	0.0	
50	QPSK	1	1	26.15					
50	QPSK	1	135	26.67			27.0	0.0	
50	QPSK	1	268	26.07					
50	QPSK	135	0	26.12					
50	QPSK	135	68	26.30			27.0	0.0	
50	QPSK	135	135	26.10					
50	QPSK	270	0	26.15			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			24.5	4.0	
Channel									
Frequency (MHz)									
40	QPSK	1	53	3470.01	633001	633001	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	26	26.14	3600.01	3600.01	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	19	26.03	3600.31	3642.62	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	12	25.09	3600.01	3642.01	Tune-up limit (dBm)	MPR (dB)	

Part270 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)									
50	PI2 BPSK	1	1	23.29	650000	650000			
50	PI2 BPSK	1	135	24.35			24.5	0.0	
50	PI2 BPSK	1	268	23.68					
50	PI2 BPSK	135	0	24.00			24.5	0.0	
50	PI2 BPSK	135	68	24.32					
50	PI2 BPSK	135	135	24.14			24.5	0.0	
50	PI2 BPSK	270	0	24.13					
50	QPSK	1	1	23.27					
50	QPSK	1	135	23.20			24.5	0.0	
50	QPSK	1	268	23.60					
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	21.06			23.5	1.0	
50	256QAM	1	1	21.89			22.0	2.5	
Channel									
Frequency (MHz)									
40	QPSK	1	53	3323	647334	650000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	26	23.25	3710.01	3750.02	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	19	23.27	3707.82	3762.51	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	12	23.23	3705	3765	Tune-up limit (dBm)	MPR (dB)	

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	PI2 BPSK	1	1	25.67	650000	650000			
50	PI2 BPSK	1	135	26.01			27.0	0.0	
50	PI2 BPSK	1	268	25.35					
50	PI2 BPSK	135	0	25.62			27.0	0.0	
50	PI2 BPSK	135	68	26.02					
50	PI2 BPSK	135	135	25.92			27.0	0.0	
50	PI2 BPSK	270	0	25.93					
50	QPSK	1	1	25.10					
50	QPSK	1	135	26.08			27.0	0.0	
50	QPSK	1	268	25.37					
50	QPSK	135	0	25.64			27.0	0.0	
50	QPSK	135	68	25.96					
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	23.51			24.5	2.5	
50	256QAM	1	1	21.86			23.0	4.0	
Channel									
Frequency (MHz)									
40	QPSK	1	53	3323	647334	650000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	26	25.09	3710.01	3750.02	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	19	25.08	3707.82	3762.51	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	12	25.12	3705	3765	Tune-up limit (dBm)	MPR (dB)	



Part27Q 78_PC3 Ant3 Default								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F. Freq.	Power Middle Ch. F. Freq.	Power High Ch. F. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	Pl2 BPSK	1	1	22.27	350.01			
50	Pl2 BPSK	1	135	24.33			24.5	0.0
50	Pl2 BPSK	1	268	23.72				
50	Pl2 BPSK	135	0	24.14				
50	Pl2 BPSK	135	68	24.33			24.5	0.0
50	Pl2 BPSK	135	135	24.20				
50	Pl2 BPSK	270	0	24.13			24.5	0.0
50	QPSK	1	1	23.33				
50	QPSK	1	135	24.41			24.5	0.0
50	QPSK	1	268	23.72				
50	QPSK	135	0	24.31				
50	QPSK	135	68	24.37			24.5	0.0
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	16QAM	1	1	24.30			23.5	1.0
50	16QAM	1	1	21.88			22.0	2.5
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	23.25	23.30	23.28	24.5	0.0
Channel				635000	633334	630000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26	23.38	23.31	23.32	24.5	0.0
Channel				635000	633334	631600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	23.32	23.35	23.28	24.5	0.0
Channel				630334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3445.01	3500.01	3485.01		
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. F. Freq.	Power Middle Ch. F. Freq.	Power High Ch. F. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	Pl2 BPSK	1	1	23.01	350.01			
50	Pl2 BPSK	1	135	26.09			27.0	0.0
50	Pl2 BPSK	1	268	25.42				
50	Pl2 BPSK	135	0	25.84				
50	Pl2 BPSK	135	68	26.12			27.0	0.0
50	Pl2 BPSK	135	135	25.92				
50	Pl2 BPSK	270	0	26.05			27.0	0.0
50	QPSK	1	1	25.18				
50	QPSK	1	135	26.15			27.0	0.0
50	QPSK	1	268	25.46				
50	QPSK	135	0	26.02				
50	QPSK	135	68	26.07			27.0	0.0
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	23.59			24.5	2.5
50	16QAM	1	1	22.03			23.0	4.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	23.15	23.23	23.24	27.0	0.0
Channel				635000	633334	630000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26	25.15	25.22	25.13	27.0	0.0
Channel				635000	633334	631600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	25.25	25.15	25.23	27.0	0.0
Channel				630334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3445.01	3500.01	3485.01		
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		
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		
20	PI2 BPSK	1	104	24.22	24.36	24.20	25.5	0.0
20	PI2 BPSK	50	0	23.87	24.00	23.87	25.0	0.5
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	25.0	0.5
20	PI2 BPSK	100	0	23.90	24.03	23.86		
20	QPSK	1	1	24.40	24.54	24.45		
20	QPSK	1	53	24.33	24.50	24.36	25.5	0.0
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	24.28	24.15	25.5	0.0
20	QPSK	50	56	23.28	23.39	23.32	24.5	1.0
20	QPSK	100	0	23.42	23.49	23.41		
20	16QAM	1	1	22.95	23.08	22.94	24.5	1.0
20	64QAM	1	1	21.52	21.57	21.50	23.0	2.5
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	24.49	24.35	25.5	0.0
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	24.33	24.39	24.32	25.5	0.0
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				846.5	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		
Frequency (MHz)				2610	2635	2660		
20	PI2 BPSK	1	1	24.29	24.42	24.38		
20	PI2 BPSK	1	53	24.33	24.46	24.31	25.5	0.0
20	PI2 BPSK	1	104	24.36	24.50	24.35		
20	PI2 BPSK	50	0	24.02	24.13	23.99	25.0	0.5
20	PI2 BPSK	50	28	24.41	24.54	24.40	25.5	0.0
20	PI2 BPSK	50	56	24.04	24.09	23.98	25.0	0.5
20	PI2 BPSK	100	0	23.93	24.02	23.94		
20	QPSK	1	1	24.53	24.59	24.48		
20	QPSK	1	53	24.47	24.55	24.50	25.5	0.0
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	25.5	0.0
20	QPSK	50	56	23.62	23.66	23.58	24.5	1.0
20	QPSK	100	0	23.48	23.60	23.46		
20	16QAM	1	1	22.98	23.05	22.90	24.5	1.0
20	64QAM	1	1	21.47	21.56	21.46	23.0	2.5
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)				2607.5	2635	2662.5		
15	QPSK	1	1	24.45	24.47	24.30	25.5	0.0
Channel				501000	507000	503000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2605	2635	2665		
10	QPSK	1	1	24.38	24.52	24.35	25.5	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2602.5	2635	2677.5		
5	QPSK	1	1	24.46	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		
Frequency (MHz)				1730	1745	1760		
40	PI2 BPSK	1	1	23.92	24.03	23.96		
40	PI2 BPSK	1	100	23.94	23.86	23.91	25.0	0.0
40	PI2 BPSK	1	214	23.94	23.91	23.88		
40	PI2 BPSK	108	0	23.29	23.41	23.29	24.5	0.5
40	PI2 BPSK	108	54	23.87	24.02	23.91	25.0	0.0
40	PI2 BPSK	108	108	23.38	23.48	23.33	24.5	0.5
40	PI2 BPSK	216	0	23.46	23.53	23.38		
40	QPSK	1	1	24.00	24.06	23.92		
40	QPSK	1	108	23.89	24.00	23.94	25.0	0.0
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	23.98	24.01	23.90	25.0	0.0
40	QPSK	108	108	23.00	23.12	23.08	24.0	1.0
40	QPSK	216	0	22.98	23.06	22.96		
40	16QAM	1	1	23.22	23.29	23.17	24.0	1.0
40	64QAM	1	1	21.68	21.83	21.72	22.5	2.5
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)				1720	1745	1770		
20	QPSK	1	1	23.92	23.98	23.77	25.0	0.0
Channel				342000	349000	345000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
15	QPSK	1	1	23.90	24.01	23.84	25.0	0.0
Channel				340000	349000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710	1745	1770		
10	QPSK	1	1	23.85	23.92	23.79	25.0	0.0
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.94	23.93	23.79	25.0	0.0



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				519004	519000	519996		
Frequency (MHz)				2590.02	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		0.0
40	PI2 BPSK	1	104	24.24	24.41	24.32		
40	PI2 BPSK	50	0	23.82	24.02	23.94	25.5	0.5
40	PI2 BPSK	50	28	24.49	24.60	24.48	25.5	0.0
40	PI2 BPSK	50	58	23.97	24.09	23.99		
40	PI2 BPSK	100	0	23.94	24.13	23.98	25.0	0.5
40	QPSK	1	1	24.56	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	58	23.84	23.76	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	21.86	21.57	23.0	2.5
40	256QAM	1	1	20.28	20.38	20.30	21.0	4.5
Channel				518000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	24.42	24.52	24.43	24.5	0.0
Channel				515004	516000	522000		
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	24.38	24.60	24.46	25.5	0.0
Channel				516004	519000	522000		
Frequency (MHz)				2583.02	2595	2614.98		
10	QPSK	1	1	24.47	24.57	24.51	25.5	0.0
Channel				516000	519000	523000		
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				502004	518598	530998		
Frequency (MHz)				2521.02	2592.99	2684.99		
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	23.16	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		
50	PI2 BPSK	270	0	24.06	24.12	23.96	24.5	0.0
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	24.16	24.26	24.18	24.5	0.0
50	QPSK	135	135	24.07	24.15	24.10		
50	QPSK	270	0	24.08	24.21	24.17	24.5	0.0
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				503002	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	23.31	23.33	23.11	24.5	0.0
Channel				501204	518598	530998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	23.26	23.35	23.13	24.5	0.0
Channel				500700	518598	536498		
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	19	23.28	23.28	23.07	24.5	0.0
Channel				500202	518598	537000		
Frequency (MHz)				2501.01	2592.99	2685		
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				504004	518598	530998		
Frequency (MHz)				2521.02	2592.99	2684.99		
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	25.89	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		
50	PI2 BPSK	270	0	25.75	25.84	25.75	27.0	0.0
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	25.92	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		
50	QPSK	270	0	25.89	25.99	25.91	27.0	0.0
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				503002	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	25.48	25.60	25.51	27.0	0.0
Channel				501204	518598	530998		
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	536498		
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	19	25.51	25.58	25.54	27.0	0.0
Channel				500202	518598	537000		
Frequency (MHz)				2501.01	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								
Frequency (MHz)				648334	650000	650666		
Frequency (MHz)				3726.01	3840	3955.02		
50	PI2 BPSK	1	1	17.33	17.38	17.33		
50	PI2 BPSK	1	135	17.32	17.40	17.31	19.5	0.0
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	17.38	17.33	19.5	0.0
50	QPSK	1	1	17.33	17.38	17.30	19.5	0.0
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	19.5	0.0
50	QPSK	135	68	17.32	17.39	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	19.5	0.0
50	64QAM	1	1	17.35	17.40	17.32	19.5	0.0
50	256QAM	1	1	17.31	17.38	17.31	19.5	0.0
Channel								
Frequency (MHz)				648000	650000	654000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	53	17.38	17.40	17.26	19.5	0.0
Channel								
Frequency (MHz)				648334	650000	654000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	26	17.38	17.32	17.38	19.5	0.0
Channel								
Frequency (MHz)				647168	650000	654834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	19	17.34	17.34	17.33	19.5	0.0
Channel								
Frequency (MHz)				647000	650000	650000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
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								
Frequency (MHz)				633334				
Frequency (MHz)				3500.01				
50	PI2 BPSK	1	1		17.37			
50	PI2 BPSK	1	135		17.35		19.5	0.0
50	PI2 BPSK	1	268		17.33		19.5	0.0
50	PI2 BPSK	135	0		17.37		19.5	0.0
50	PI2 BPSK	135	68		17.32		19.5	0.0
50	PI2 BPSK	135	135		17.32		19.5	0.0
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		19.5	0.0
50	QPSK	1	268		17.31		19.5	0.0
50	QPSK	135	0		17.34		19.5	0.0
50	QPSK	135	68		17.36		19.5	0.0
50	QPSK	135	135		17.27		19.5	0.0
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		17.28		19.5	0.0
Channel								
Frequency (MHz)				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	17.33	17.37	17.33	19.5	0.0
Channel								
Frequency (MHz)				632668	633334	633900	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26	17.32	17.32	17.33	19.5	0.0
Channel								
Frequency (MHz)				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3447.5	3500.01	3542.52		
15	QPSK	1	19	17.33	17.36	17.35	19.5	0.0
Channel								
Frequency (MHz)				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	17.33	17.38	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								
Frequency (MHz)				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
50	PI2 BPSK	1	1		17.38			
50	PI2 BPSK	1	135		17.36		19.5	0.0
50	PI2 BPSK	1	268		17.31		19.5	0.0
50	PI2 BPSK	135	0		17.33		19.5	0.0
50	PI2 BPSK	135	68		17.36		19.5	0.0
50	PI2 BPSK	135	135		17.36		19.5	0.0
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		19.5	0.0
50	QPSK	1	268		17.34		19.5	0.0
50	QPSK	135	0		17.32		19.5	0.0
50	QPSK	135	68		17.42		19.5	0.0
50	QPSK	135	135		17.35		19.5	0.0
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								
Frequency (MHz)				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	53	17.24	17.41	17.35	19.5	0.0
Channel								
Frequency (MHz)				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	26	17.38	17.40	17.35	19.5	0.0
Channel								
Frequency (MHz)				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	19	17.34	17.36	17.33	19.5	0.0
Channel								
Frequency (MHz)				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
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				
Frequency (MHz)				3500.01				
50	PI2 BPSK	1	1	17.35				
50	PI2 BPSK	1	135	17.33			19.5	0.0
50	PI2 BPSK	1	268	17.34				
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			19.5	0.0
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			19.5	0.0
50	QPSK	135	135	17.32				
50	QPSK	270	0	17.33			19.5	0.0
50	16QAM	1	1	17.31			19.5	0.0
50	16QAM	1	1	17.33			19.5	0.0
50	256QAM	1	1	17.31			19.5	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	53	17.36	17.40	17.32	19.5	0.0
Channel				630268	633334	636400	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	26	17.34	17.40	17.32	19.5	0.0
Channel				630500	633334	636168	Tune-up limit	MPR
Frequency (MHz)				3471.5	3500.01	3522.52	(dBm)	(dB)
15	QPSK	1	19	17.35	17.37	17.34	19.5	0.0
Channel				630334	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	12	17.32	17.41	17.36	19.5	0.0



Par270 n77_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								
Frequency (MHz)				845334	850000	863668		
50	PI2 BPSK	1	1	20.31	20.45	20.39		
50	PI2 BPSK	1	135	20.40	20.49	20.32	22.5	0.0
50	PI2 BPSK	1	268	20.44	20.38	20.42		
50	PI2 BPSK	135	0	20.44	20.33	20.37	22.5	0.0
50	PI2 BPSK	135	68	20.30	20.48	20.38	22.5	0.0
50	PI2 BPSK	135	135	20.38	20.38	20.30	22.5	0.0
50	PI2 BPSK	270	0	20.42	20.42	20.30	22.5	0.0
50	QPSK	1	1	20.31	20.34	20.48		
50	QPSK	1	135	20.46	20.51	20.47	22.5	0.0
50	QPSK	1	268	20.33	20.40	20.38		
50	QPSK	135	0	20.35	20.33	20.48	22.5	0.0
50	QPSK	135	68	20.35	20.49	20.44	22.5	0.0
50	QPSK	135	135	20.17	20.21	20.07	22.5	0.0
50	QPSK	270	0	20.43	20.46	20.41	22.5	0.0
50	16QAM	1	1	20.34	20.41	20.30	22.5	0.0
50	64QAM	1	1	20.39	20.32	20.39	22.5	0.0
50	256QAM	1	1	20.35	20.31	20.35	22.5	0.0
Channel								
Frequency (MHz)				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	53	20.34	20.44	20.42	22.5	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	26	20.33	20.46	20.44	22.5	0.0
Channel								
Frequency (MHz)				847168	856000	864834	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	19	20.34	20.45	20.43	22.5	0.0
Channel								
Frequency (MHz)				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	12	20.36	20.44	20.43	22.5	0.0

Part27Q n77_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								
Frequency (MHz)				833334				
50	PI2 BPSK	1	1		20.51			
50	PI2 BPSK	1	135		20.51		22.5	0.0
50	PI2 BPSK	1	268		20.40			
50	PI2 BPSK	135	0		20.42		22.5	0.0
50	PI2 BPSK	135	68		20.47		22.5	0.0
50	PI2 BPSK	135	135		20.40		22.5	0.0
50	PI2 BPSK	270	0		20.64		22.5	0.0
50	QPSK	1	1		20.57			
50	QPSK	1	135		20.46		22.5	0.0
50	QPSK	1	268		20.44			
50	QPSK	135	0		20.44		22.5	0.0
50	QPSK	135	68		20.52		22.5	0.0
50	QPSK	135	135		20.37		22.5	0.0
50	QPSK	270	0		20.61		22.5	0.0
50	16QAM	1	1		20.60		22.5	0.0
50	64QAM	1	1		20.34		22.5	0.0
50	256QAM	1	1		20.43		22.5	0.0
Channel								
Frequency (MHz)				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	53	3470.01	3500.01	3530.01	22.5	0.0
Channel								
Frequency (MHz)				632668	633334	635000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	26	3460.02	3500.01	3540	22.5	0.0
Channel								
Frequency (MHz)				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	19	20.50	20.61	20.53	22.5	0.0
Channel								
Frequency (MHz)				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	12	3455.01	3500.01	3545.01	22.5	0.0

Part27O n78_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								
Frequency (MHz)				3750	3750	3750		
50	PI2 BPSK	1	1		20.54			
50	PI2 BPSK	1	135		20.64		22.5	0.0
50	PI2 BPSK	1	268		20.60			
50	PI2 BPSK	135	0		20.66		22.5	0.0
50	PI2 BPSK	135	68		20.51		22.5	0.0
50	PI2 BPSK	135	135		20.54		22.5	0.0
50	PI2 BPSK	270	0		20.64		22.5	0.0
50	QPSK	1	1		20.46			
50	QPSK	1	135		20.64		22.5	0.0
50	QPSK	1	268		20.40			
50	QPSK	135	0		20.60		22.5	0.0
50	QPSK	135	68		20.54		22.5	0.0
50	QPSK	135	135		20.36		22.5	0.0
50	QPSK	270	0		20.72		22.5	0.0
50	16QAM	1	1		20.60		22.5	0.0
50	64QAM	1	1		20.53		22.5	0.0
50	256QAM	1	1		20.42		22.5	0.0
Channel								
Frequency (MHz)				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	53	3720	3750	3780	22.5	0.0
Channel								
Frequency (MHz)				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	26	3710.01	3750	3790.02	22.5	0.0
Channel								
Frequency (MHz)				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	19	20.46	20.60	20.41	22.5	0.0
Channel								
Frequency (MHz)				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	12	20.48	20.63	20.42	22.5	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				
Frequency (MHz)				3500.01				
50	PI/2 BPSK	1	1		20.54			
50	PI/2 BPSK	1	135		20.61		22.5	0.0
50	PI/2 BPSK	1	268		20.71			
50	PI/2 BPSK	135	0		20.72			
50	PI/2 BPSK	135	68		20.53		22.5	0.0
50	PI/2 BPSK	135	135		20.54			
50	PI/2 BPSK	270	0		20.56		22.5	0.0
50	QPSK	1	1		20.57			
50	QPSK	1	135		20.57		22.5	0.0
50	QPSK	1	268		20.45			
50	QPSK	135	0		20.64			
50	QPSK	135	68		20.43		22.5	0.0
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	16QAM	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	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	53	20.49	20.51	20.56	22.5	0.0
Channel				630334	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	26	20.43	20.57	20.53	22.5	0.0
Channel				630500	633334	636168	Tune-up limit	MPR
Frequency (MHz)				3429.5	3500.01	3572.52	(dBm)	(dB)
15	QPSK	1	19	20.46	20.49	20.51	22.5	0.0
Channel				630334	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	12	20.48	20.55	20.51	22.5	0.0



Full Power level/Default Power level for 5G NR_DFT-30

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)				334	334.5	335			
20	Pi/2 BPSK	1	1	24.49	24.61	24.47			
20	Pi/2 BPSK	1	26	24.47	24.54	24.45	25.5	0.0	
20	Pi/2 BPSK	1	49	24.39	24.47	24.37			
20	Pi/2 BPSK	25	0	23.70	23.81	23.72	25.0	0.5	
20	Pi/2 BPSK	25	15	24.35	24.41	24.41	25.5	0.0	
20	Pi/2 BPSK	25	26	23.86	24.01	23.94	25.0	0.5	
20	Pi/2 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	15	24.41	24.53	24.45	25.5	0.0	
20	QPSK	25	26	23.48	23.50	23.46			
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	16QAM	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)				331.5	334.5	337.5	(dBm)	(dB)	
15	QPSK	1	1	24.39	24.52	24.44	25.5	0.0	
Channel				165800	167300	166800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				329	336.5	344	(dBm)	(dB)	
10	QPSK	1	1	24.39	24.55	24.36	25.5	0.0	

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	Pi/2 BPSK	1	1	24.30	24.48	24.39			
20	Pi/2 BPSK	1	26	24.49	24.53	24.47	25.5	0.0	
20	Pi/2 BPSK	1	49	24.44	24.51	24.40			
20	Pi/2 BPSK	25	0	24.15	24.26	24.13	25.0	0.5	
20	Pi/2 BPSK	25	15	24.37	24.46	24.59	25.5	0.0	
20	Pi/2 BPSK	25	26	24.09	24.17	24.08	25.0	0.5	
20	Pi/2 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	15	24.32	24.44	24.34	25.5	0.0	
20	QPSK	25	26	23.55	23.60	23.54			
20	QPSK	50	0	23.66	23.75	23.57	24.5	1.0	
20	16QAM	1	1	23.09	23.24	23.13	24.5	1.0	
20	16QAM	1	1	21.66	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	(dBm)	(dB)	
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	(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				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	Pi/2 BPSK	1	1	23.93	24.06	23.97			
40	Pi/2 BPSK	1	53	23.82	23.89	23.77	25.0	0.0	
40	Pi/2 BPSK	1	104	23.87	24.01	23.93			
40	Pi/2 BPSK	50	0	23.56	23.61	23.50	24.5	0.5	
40	Pi/2 BPSK	50	26	23.95	24.07	24.00	25.0	0.0	
40	Pi/2 BPSK	50	56	23.51	23.64	23.58	24.5	0.5	
40	Pi/2 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	16QAM	1	1	21.27	21.41	21.37	23.5	2.5	
40	256QAM	1	1	19.55	19.99	19.49	20.5	4.5	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)	
20	QPSK	1	1	23.99	23.99	23.98	25.0	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)	
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	(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				51804	51800	51998		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI2 BPSK	1	1	24.30	24.41	24.37		
40	PI2 BPSK	1	53	24.21	24.26	24.19		
40	PI2 BPSK	1	104	24.28	24.34	24.25	25.5	0.0
40	PI2 BPSK	50	0	23.79	23.89	23.74	25.0	0.5
40	PI2 BPSK	50	28	24.42	24.40	24.33	25.5	0.0
40	PI2 BPSK	50	58	23.80	23.79	23.71	25.0	0.5
40	PI2 BPSK	100	0	23.79	23.90	23.79		
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	58	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	519000	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				518592	519000	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				518004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2581.02	2595	2614.08		
10	QPSK	1	1	24.50	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				529292	518598	529292		
Frequency (MHz)				2548.01	2592.99	2640		
100	PI2 BPSK	1	1	23.07	23.11	23.08		
100	PI2 BPSK	1	137	24.07	24.12	24.03	24.5	0.0
100	PI2 BPSK	1	271	23.02	23.09	23.10		
100	PI2 BPSK	135	0	23.73	23.88	23.83	24.5	0.0
100	PI2 BPSK	135	69	23.97	24.07	23.96	24.5	0.0
100	PI2 BPSK	135	138	23.72	23.83	23.75	24.5	0.0
100	PI2 BPSK	270	0	23.87	23.81	23.86		
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				529292	518598	529292	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2538.02	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)				2538	2592.99	2659.98		
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	24.08	24.11	24.01	24.5	0.0
Channel				529292	518598	532000	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)				2503.02	2592.99	2679.99		
20	QPSK	1	28	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				529292	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

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				529292	518598	529292		
Frequency (MHz)				2548.01	2592.99	2640		
100	PI2 BPSK	1	1	25.03	25.09	24.96		
100	PI2 BPSK	1	137	25.95	26.08	26.03	27.0	0.0
100	PI2 BPSK	1	271	25.03	25.11	25.04		
100	PI2 BPSK	135	0	25.72	25.81	25.68	27.0	0.0
100	PI2 BPSK	135	69	25.94	26.00	25.85	27.0	0.0
100	PI2 BPSK	135	138	25.64	25.75	25.62	27.0	0.0
100	PI2 BPSK	270	0	25.53	25.67	25.58		
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	25.68	25.69	25.64	27.0	0.0
100	QPSK	135	69	25.87	25.92	25.84	27.0	0.0
100	QPSK	135	138	25.60	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	21.88	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				529292	518598	529292	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2538.02	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)				2538	2592.99	2659.98		
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				529292	518598	532000	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)				2503.02	2592.99	2679.99		
20	QPSK	1	28	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				529292	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



Par270 n77 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)								
100	PI2 BPSK	1	1	21.57	21.57	21.58		
100	PI2 BPSK	1	137	21.56	21.56	21.60	23.5	0.0
100	PI2 BPSK	1	271	21.58	21.59	21.52		
100	PI2 BPSK	135	0	21.57	21.60	21.58	23.5	0.0
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		
100	QPSK	1	1	21.58	21.58	21.52		
100	QPSK	1	137	21.60	21.61	21.54	23.5	0.0
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		
100	QPSK	270	0	21.57	21.59	21.51	23.5	0.0
100	16QAM	1	1	21.56	21.58	21.52	23.5	0.0
100	16QAM	1	1	21.56	21.58	21.52	23.5	0.0
100	256QAM	1	1	21.56	21.57	21.51	23.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	123	21.58	21.59	21.51	23.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	109	21.57	21.57	21.53	23.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	81	21.56	21.59	21.53	23.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	67	21.58	21.58	21.53	23.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	53	21.55	21.60	21.52	23.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	26	21.55	21.58	21.53	23.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	19	21.59	21.59	21.51	23.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	12	21.58	21.57	21.52	23.5	0.0

Part27Q n77 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)								
100	PI2 BPSK	1	1		3500.01			
100	PI2 BPSK	1	137		21.52		23.5	0.0
100	PI2 BPSK	1	271		21.57			
100	PI2 BPSK	135	0		21.51		23.5	0.0
100	PI2 BPSK	135	69		21.56		23.5	0.0
100	PI2 BPSK	135	138		21.56		23.5	0.0
100	PI2 BPSK	270	0		21.52			
100	QPSK	1	1		21.55			
100	QPSK	1	137		21.58		23.5	0.0
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			
100	QPSK	270	0		21.54		22.5	1.0
100	16QAM	1	1		21.56		23.5	0.0
100	16QAM	1	1		21.55		23.5	0.0
100	256QAM	1	1		21.53		23.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	123	21.25	21.14	21.29	23.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	109	21.24	21.18	21.13	23.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	81	21.21	21.09	21.17	23.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	67	21.12	21.06	21.18	23.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	53	21.12	21.14	21.20	23.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	26	21.11	21.20	21.24	23.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	19	21.28	21.22	21.14	23.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	12	21.20	21.17	21.26	23.5	0.0

Part270 n78 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)								
100	PI2 BPSK	1	1		3750	3750		
100	PI2 BPSK	1	137		23.03		25.0	0.0
100	PI2 BPSK	1	271		23.34			
100	PI2 BPSK	135	0		23.27		25.0	0.0
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			
100	QPSK	1	1		23.01			
100	QPSK	1	137		23.44		25.0	0.0
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			
100	QPSK	270	0		23.24		25.0	0.0
100	16QAM	1	1		23.11		25.0	0.0
100	16QAM	1	1		23.09		25.0	0.0
100	256QAM	1	1		23.03		25.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	123	23.04	23.03	23.03	25.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	109	23.06	23.01	23.05	25.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	81	23.04	23.08	23.01	25.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	67	23.05	23.01	23.09	25.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	53	23.09	23.02	23.04	25.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	26	23.01	23.03	23.04	25.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	19	23.01	23.01	23.08	25.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	12	23.03	23.05	23.05	25.0	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	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
100	PI/2 BPSK	1	1	23.03				
100	PI/2 BPSK	1	137	23.27			25.0	0.0
100	PI/2 BPSK	1	271	23.28				
100	PI/2 BPSK	135	0	23.18			25.0	0.0
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			25.0	0.0
100	QPSK	135	138	23.08				
100	QPSK	270	0	23.19			25.0	0.0
100	16QAM	1	1	23.06			25.0	0.0
100	64QAM	1	1	23.18			25.0	0.0
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	23.18	23.17	23.22	25.0	0.0
Channel				633668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3499.02	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				631000	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	23.19	23.15	25.0	0.0
Channel				630668	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)				3452.5	3500.01	3542.5		
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 Default

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq	Power Middle Ch. F.Freq	Power High Ch. F.Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	3750	3840	3930		
				22.59	22.68	22.72		
100	PI2 BPSK	1	137	23.56	23.67	23.55	24.5	0.0
				22.69	22.76	22.72		
100	PI2 BPSK	136	0	23.48	23.54	23.48	24.5	0.0
100	PI2 BPSK	136	69	23.07	23.06	23.06	24.5	0.0
100	PI2 BPSK	136	138	23.41	23.48	23.34	24.5	0.0
100	PI2 BPSK	270	0	23.39	23.48	23.39	24.5	0.0
100	QPSK	1	1	22.58	22.70	22.64		
100	QPSK	1	137	23.06	23.72	23.01	24.5	0.0
100	QPSK	1	271	22.89	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	23.62	23.46	23.35	24.5	0.0
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	16QAM	1	1	22.41	22.44	22.40	23.5	1.0
100	16QAM	1	1	21.41	21.55	21.42	22.0	2.5
Channel								
Frequency (MHz)								
80	QPSK	1	123	3745.02	3840	3935.01	24.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	109	3748.01	3840	3940.02	24.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	81	3743.02	3840	3950.01	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	3748.02	3840	3960.01	24.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	53	3752.02	3840	3970.01	24.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	53	6473.34	65000	66468	24.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	26	3710.01	3840	3970.02	24.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	19	3707.52	3840	3972.51	24.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	12	23.56	23.61	23.58	24.5	0.0

Par270 n77 PC2 Ant3 Default

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq	Power Middle Ch. F.Freq	Power High Ch. F.Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	25.10	25.14	25.01		
100	PI2 BPSK	1	137	25.70	25.81	25.68	27.0	0.0
100	PI2 BPSK	1	271	25.10	25.16	25.14		
100	PI2 BPSK	136	0	25.56	25.59	25.54	27.0	0.0
100	PI2 BPSK	136	69	25.77	25.82	25.77	27.0	0.0
100	PI2 BPSK	136	138	25.50	25.61	25.50	27.0	0.0
100	PI2 BPSK	270	0	25.48	25.56	25.51	27.0	0.0
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	27.0	0.0
100	16QAM	1	1	24.34	24.40	24.38	26.0	1.0
100	16QAM	1	1	22.86	22.95	22.84	24.5	2.5
100	16QAM	1	1	21.72	21.80	21.78	23.0	4.0
Channel								
Frequency (MHz)								
80	QPSK	1	123	3745.02	3840	3935.01	24.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	109	3748.01	3840	3940.02	24.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	81	3743.02	3840	3950.01	24.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	81	25.49	25.04	25.39	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	67	3748.02	3840	3960.01	24.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	53	3752.02	3840	3970.01	24.5	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	3710.01	3840	3970.02	24.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	19	3707.52	3840	3972.51	24.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	12	25.43	25.58	25.43	27.0	0.0

Part27Q n77 PC3 Ant3 Default

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq	Power Middle Ch. F.Freq	Power High Ch. F.Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		350.01			
					22.53			
100	PI2 BPSK	1	137		23.38		24.5	0.0
					22.58			
100	PI2 BPSK	1	271		23.34		24.5	0.0
100	PI2 BPSK	136	0		23.48		24.5	0.0
100	PI2 BPSK	136	69		23.19		24.5	0.0
100	PI2 BPSK	136	138		23.29		24.5	0.0
100	PI2 BPSK	270	0		22.58		24.5	0.0
100	QPSK	1	1		23.48			
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		24.43		24.5	0.0
100	QPSK	136	138		23.29		24.5	0.0
100	QPSK	270	0		23.21		24.5	0.0
100	16QAM	1	1		22.50		23.5	1.0
100	16QAM	1	1		22.43		23.5	1.0
100	16QAM	1	1		21.58		22.0	2.5
Channel								
Frequency (MHz)								
80	QPSK	1	123	63068	63334	63668	24.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	109	63068	63334	63668	24.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	81	3480.02	3500.01	3510	24.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	81	23.36	23.39	23.36	24.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	67	63168	63334	63500	24.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	67	23.32	23.34	23.31	24.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	53	3476.02	3500.01	3505	24.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	53	63068	63334	63600	24.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	26	3480.02	3500.01	3540	24.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	19	3457.52	3500.01	3542.52	24.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	12	23.31	23.32	23.36	24.5	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	PI2 BPSK	1	1	25.12	25.12				
100	PI2 BPSK	1	137	25.47	25.47		27.0	0.0	
100	PI2 BPSK	1	271	26.13	26.13				
100	PI2 BPSK	135	0	25.26	25.26		27.0	0.0	
100	PI2 BPSK	135	69	25.65	25.65		27.0	0.0	
100	PI2 BPSK	135	138	25.27	25.27		27.0	0.0	
100	PI2 BPSK	270	0	25.33	25.33				
100	QPSK	1	1	25.10	25.10		27.0	0.0	
100	QPSK	1	137	25.63	25.63				
100	QPSK	1	271	25.21	25.21				
100	QPSK	135	0	25.41	25.41		27.0	0.0	
100	QPSK	135	69	25.51	25.51		27.0	0.0	
100	QPSK	135	138	25.33	25.33		27.0	0.0	
100	QPSK	270	0	25.24	25.24				
100	16QAM	1	1	24.34	24.34		26.0	1.0	
100	64QAM	1	1	22.96	22.96		24.5	2.5	
100	256QAM	1	1	21.72	21.72		23.0	4.0	
Channel									
Frequency (MHz)									
90	QPSK	1	123	23.37	23.34	23.37	27.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	109	25.33	25.28	25.30	27.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	81	25.34	25.31	25.38	27.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	67	25.31	25.32	25.30	27.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	53	25.27	25.33	25.31	27.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	26	25.37	25.30	25.37	27.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	19	25.36	25.34	25.28	27.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	12	25.36	25.28	25.36	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	PI2 BPSK	1	1	23.13	23.13				
100	PI2 BPSK	1	137	24.18	24.18		24.5	0.0	
100	PI2 BPSK	1	271	23.50	23.50				
100	PI2 BPSK	135	0	23.53	23.53		24.5	0.0	
100	PI2 BPSK	135	69	24.14	24.14		24.5	0.0	
100	PI2 BPSK	135	138	24.05	24.05		24.5	0.0	
100	PI2 BPSK	270	0	24.01	24.01				
100	QPSK	1	1	23.18	23.18		24.5	0.0	
100	QPSK	1	137	24.25	24.25				
100	QPSK	1	271	23.50	23.50				
100	QPSK	135	0	23.94	23.94		24.5	0.0	
100	QPSK	135	69	24.18	24.18		24.5	0.0	
100	QPSK	135	138	24.10	24.10		24.5	0.0	
100	QPSK	270	0	24.02	24.02				
100	16QAM	1	1	22.96	22.96		23.5	1.0	
100	64QAM	1	1	22.96	22.96		23.5	1.0	
100	256QAM	1	1	21.94	21.94		22.0	2.5	
Channel									
Frequency (MHz)									
90	QPSK	1	123	24.00	24.00	24.13	24.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	109	24.06	24.07	24.09	24.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	81	24.05	24.08	24.11	24.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	67	24.13	24.09	24.13	24.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	53	24.15	24.10	24.06	24.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	26	24.12	24.07	24.08	24.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	19	24.14	24.13	24.16	24.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	12	24.05	24.06	24.13	24.5	0.0	

Part27O 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)									
100	PI2 BPSK	1	1	25.02	25.02				
100	PI2 BPSK	1	137	26.11	26.11		27.0	0.0	
100	PI2 BPSK	1	271	25.55	25.55				
100	PI2 BPSK	135	0	25.88	25.88		27.0	0.0	
100	PI2 BPSK	135	69	26.15	26.15		27.0	0.0	
100	PI2 BPSK	135	138	26.03	26.03		27.0	0.0	
100	PI2 BPSK	270	0	26.06	26.06				
100	QPSK	1	1	25.13	25.13		27.0	0.0	
100	QPSK	1	137	26.18	26.18				
100	QPSK	1	271	25.42	25.42				
100	QPSK	135	0	25.97	25.97		27.0	0.0	
100	QPSK	135	69	26.07	26.07		27.0	0.0	
100	QPSK	135	138	26.06	26.06		27.0	0.0	
100	QPSK	270	0	26.03	26.03				
100	16QAM	1	1	25.14	25.14		26.0	1.0	
100	64QAM	1	1	23.66	23.66		24.5	2.5	
100	256QAM	1	1	22.19	22.19		23.0	4.0	
Channel									
Frequency (MHz)									
90	QPSK	1	123	26.02	26.03	26.07	27.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	109	26.08	26.02	26.02	27.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	81	26.07	26.06	26.04	27.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	67	26.02	26.04	26.12	27.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	53	26.11	26.05	26.09	27.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	26	26.09	26.08	26.09	27.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	19	26.06	26.07	26.09	27.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	12	26.01	26.08	26.01	27.0	0.0	



Part27Q 78 PC3 Ant3 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F Freq.	Power Middle Ch. F Freq.	Power High Ch. F Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pl2 BPSK	1	1		350.01				
100	Pl2 BPSK	1	137		22.11				
100	Pl2 BPSK	1	271		24.14		24.5	0.0	
100	Pl2 BPSK	135	0		23.98				
100	Pl2 BPSK	135	69		24.08		24.5	0.0	
100	Pl2 BPSK	135	138		24.03				
100	Pl2 BPSK	270	0		23.97		24.5	0.0	
100	QPSK	1	1		23.16				
100	QPSK	1	137		24.54		24.5	0.0	
100	QPSK	1	271		23.58				
100	QPSK	135	0		24.07				
100	QPSK	135	69		24.19		24.5	0.0	
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	16QAM	1	1		23.14		23.5	1.0	
100	16QAM	1	1		23.91		22.0	2.5	
Channel									
Frequency (MHz)									
90	QPSK	1	123		3495	3500.01	3505.02	MPR (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	109		3490.02	3500.01	3510	MPR (dB)	
Channel									
Frequency (MHz)									
60	QPSK	1	81		3480	3500.01	3520.02	MPR (dB)	
Channel									
Frequency (MHz)									
50	QPSK	1	67		3475	3500.01	3525	MPR (dB)	
Channel									
Frequency (MHz)									
40	QPSK	1	53		3470.02	3500.01	3530	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	26		3460.02	3500.01	3540	MPR (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	19		3455.01	3500.01	3545.01	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	12		3450.01	3500.01	3545.01	MPR (dB)	

Part27Q 78 PC2 Ant3 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F Freq.	Power Middle Ch. F Freq.	Power High Ch. F Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pl2 BPSK	1	1		350.01				
100	Pl2 BPSK	1	137		25.19				
100	Pl2 BPSK	1	271		25.19		27.0	0.0	
100	Pl2 BPSK	135	0		25.62				
100	Pl2 BPSK	135	69		25.97		27.0	0.0	
100	Pl2 BPSK	135	138		26.15		27.0	0.0	
100	Pl2 BPSK	270	0		26.03		27.0	0.0	
100	Pl2 BPSK	270	0		26.13		27.0	0.0	
100	QPSK	1	1		25.23				
100	QPSK	1	137		26.53		27.0	0.0	
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		27.0	0.0	
100	16QAM	1	1		25.23		26.0	1.0	
100	16QAM	1	1		23.81		24.5	2.5	
100	16QAM	1	1		22.31		23.0	4.0	
Channel									
Frequency (MHz)									
90	QPSK	1	123		3495	3500.01	3505.02	MPR (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	109		3490.02	3500.01	3510	MPR (dB)	
Channel									
Frequency (MHz)									
60	QPSK	1	81		3480	3500.01	3520.02	MPR (dB)	
Channel									
Frequency (MHz)									
50	QPSK	1	67		3475	3500.01	3525	MPR (dB)	
Channel									
Frequency (MHz)									
40	QPSK	1	53		3470.02	3500.01	3530	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	26		3460.02	3500.01	3540	MPR (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	19		3455.01	3500.01	3545.01	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	12		3450.01	3500.01	3545.01	MPR (dB)	



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		
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	25.5	0.0
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	24.19		
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	16QAM	1	1	21.66	21.79	21.66	23.0	2.5
20	256QAM	1	1	20.28	20.33	20.24	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	24.50	24.63	24.51	25.5	0.0
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	24.52	24.55	24.46	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		
Frequency (MHz)				2610	2635	2660		
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	25.5	0.0
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		
20	PI2 BPSK	50	0	23.93	24.06	23.96	25.0	0.5
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		
20	QPSK	50	0	23.45	23.55	23.47	24.5	1.0
20	16QAM	1	1	22.98	23.03	22.94	24.5	1.0
20	16QAM	1	1	21.48	21.56	21.47	23.0	2.5
20	256QAM	1	1	20.08	20.23	20.15	21.0	4.5
Channel				501600	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2607.5	2635	2662.5		
15	QPSK	1	1	24.29	24.47	24.40	25.5	0.0
Channel				503000	503000	503000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2605	2635	2665		
10	QPSK	1	1	24.38	24.50	24.38	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	353000		
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	25.0	0.0
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		
40	PI2 BPSK	100	0	22.92	23.33	23.26	24.5	0.5
40	QPSK	1	1	23.88	23.95	23.89		
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		
40	QPSK	100	0	22.98	23.06	22.92	24.0	1.0
40	16QAM	1	1	22.39	22.52	22.46	24.0	1.0
40	16QAM	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		
20	QPSK	1	1	23.79	23.90	23.73	25.0	0.0
Channel				342000	345000	345000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.81	23.91	23.77	25.0	0.0
Channel				343000	349000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	23.79	23.86	23.66	25.0	0.0



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								
Frequency (MHz)				2590.02	2595	2599.98		
40	PI2 BPSK	1	1	24.28	24.36	24.23		
40	PI2 BPSK	1	53	24.46	24.51	24.27		
40	PI2 BPSK	1	104	24.34	24.43	24.34	25.5	0.0
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	23.99	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		
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	58	23.42	23.53	23.45		
40	QPSK	100	0	23.48	23.57	23.51	25.5	0.0
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	20.28	20.37	20.27	21.0	4.5
Channel				518000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	24.54	24.99	24.36	25.5	0.0
Channel				515000	519000	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				516004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2583.02	2595	2614.98		
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								
Frequency (MHz)				2548.01	2592.99	2640		
100	PI2 BPSK	1	1	23.16	23.99	23.01		
100	PI2 BPSK	1	137	24.13	24.27	24.17		
100	PI2 BPSK	1	271	23.23	23.28	23.23	24.5	0.0
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		
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		
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	24.18	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				508000	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				502000	518598	529996	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				505000	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536	2592.99	2649.98		
60	QPSK	1	81	23.11	23.19	23.02	24.5	0.0
Channel				504004	518598	532996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2644.99		
50	QPSK	1	67	23.13	23.17	23.13	24.5	0.0
Channel				502000	518598	534000	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				501004	518598	535996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.02	2592.99	2679.99		
20	QPSK	1	28	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				500000	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

BW (MHz)	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)				2548.01	2592.99	2640		
100	PI2 BPSK	1	1	25.34	25.43	25.32		
100	PI2 BPSK	1	137	25.88	25.99	25.89		
100	PI2 BPSK	1	271	25.35	25.48	25.43	27.0	0.0
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		
100	QPSK	1	271	25.40	25.51	25.47	27.0	0.0
100	QPSK	135	0	25.89	25.93	25.84	27.0	0.0
100	QPSK	135	69	25.94	26.01	25.86	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				508000	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				502000	518598	529996	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				505000	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536	2592.99	2649.98		
60	QPSK	1	81	25.35	25.43	25.39	27.0	0.0
Channel				504004	518598	532996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2644.99		
50	QPSK	1	67	25.31	25.52	25.40	27.0	0.0
Channel				502000	518598	534000	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				501004	518598	535996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.02	2592.99	2679.99		
20	QPSK	1	28	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				500000	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



Part270 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								
Frequency (MHz)				650000	650000	650000		
100	PI2 BPSK	1	1	17.53	17.59	17.52		
100	PI2 BPSK	1	137	17.51	17.59	17.52		
100	PI2 BPSK	1	271	17.54	17.51	17.51		
100	PI2 BPSK	135	0	17.53	17.60	17.53	19.5	0.0
100	PI2 BPSK	135	69	17.52	17.57	17.55	19.5	0.0
100	PI2 BPSK	135	138	17.53	17.56	17.51		
100	PI2 BPSK	270	0	17.53	17.57	17.52	19.5	0.0
100	QPSK	1	1	17.53	17.59	17.51		
100	QPSK	1	137	17.52	17.61	17.54	19.5	0.0
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	17.59	17.53	19.5	0.0
100	QPSK	135	138	17.52	17.52	17.51		
100	QPSK	270	0	17.52	17.53	17.52	19.5	0.0
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								
Frequency (MHz)				648688	650000	652334	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	123	17.57	17.59	17.51	19.5	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	109	17.52	17.59	17.52	19.5	0.0
Channel								
Frequency (MHz)				648688	650000	663334	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	81	17.51	17.59	17.59	19.5	0.0
Channel								
Frequency (MHz)				648334	650000	663688	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	67	17.58	17.51	17.51	19.5	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	53	17.58	17.59	17.56	19.5	0.0
Channel								
Frequency (MHz)				647334	650000	664688	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	28	17.58	17.55	17.59	19.5	0.0
Channel								
Frequency (MHz)				647168	650000	664834	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	19	17.54	17.53	17.54	19.5	0.0
Channel								
Frequency (MHz)				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)
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								
Frequency (MHz)				633000	633334	635001		
100	PI2 BPSK	1	1	17.57				
100	PI2 BPSK	1	137	17.55			19.5	0.0
100	PI2 BPSK	1	271	17.54				
100	PI2 BPSK	135	0	17.56			19.5	0.0
100	PI2 BPSK	135	69	17.53				
100	PI2 BPSK	135	138	17.52				
100	PI2 BPSK	270	0	17.55			19.5	0.0
100	QPSK	1	1	17.57				
100	QPSK	1	137	17.58			19.5	0.0
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								
Frequency (MHz)				633000	633334	633688	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	123	17.56	17.56	17.54	19.5	0.0
Channel								
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	109	17.56	17.57	17.56	19.5	0.0
Channel								
Frequency (MHz)				632000	633334	634688	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	81	17.56	17.55	17.53	19.5	0.0
Channel								
Frequency (MHz)				631688	633334	635000	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	67	17.56	17.55	17.55	19.5	0.0
Channel								
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	53	17.54	17.57	17.53	19.5	0.0
Channel								
Frequency (MHz)				630688	633334	636000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	28	17.52	17.51	17.53	19.5	0.0
Channel								
Frequency (MHz)				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	19	17.53	17.56	17.55	19.5	0.0
Channel								
Frequency (MHz)				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	12	17.54	17.56	17.53	19.5	0.0

Part270 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								
Frequency (MHz)				650000	650000	653000		
100	PI2 BPSK	1	1	17.58				
100	PI2 BPSK	1	137	17.54			19.5	0.0
100	PI2 BPSK	1	271	17.51				
100	PI2 BPSK	135	0	17.54			19.5	0.0
100	PI2 BPSK	135	69	17.56			19.5	0.0
100	PI2 BPSK	135	138	17.56				
100	PI2 BPSK	270	0	17.53			19.5	0.0
100	QPSK	1	1	17.55				
100	QPSK	1	137	17.66			19.5	0.0
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				
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								
Frequency (MHz)				648688	650000	650334	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	123	17.54	17.61	17.53	19.5	0.0
Channel								
Frequency (MHz)				3740.01	3750	3760.02	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	109	17.55	17.60	17.53	19.5	0.0
Channel								
Frequency (MHz)				648688	650000	651334	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	81	17.54	17.59	17.54	19.5	0.0
Channel								
Frequency (MHz)				648334	650000	651688	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	67	17.54	17.60	17.55	19.5	0.0
Channel								
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	53	17.55	17.61	17.54	19.5	0.0
Channel								
Frequency (MHz)				647334	650000	652068	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	28	17.55	17.60	17.54	19.5	0.0
Channel								
Frequency (MHz)				647168	650000	652334	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	19	17.53	17.59	17.52	19.5	0.0
Channel								
Frequency (MHz)				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
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				
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1		17.54			
100	PI2 BPSK	1	137		17.53		19.5	0.0
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		17.48			
100	PI2 BPSK	270	0		17.53		19.5	0.0
100	QPSK	1	1		17.51			
100	QPSK	1	137		17.62		19.5	0.0
100	QPSK	1	271		17.51			
100	QPSK	135	0		17.53			
100	QPSK	135	69		17.55		19.5	0.0
100	QPSK	135	138		17.53			
100	QPSK	270	0		17.53		19.5	0.0
100	16QAM	1	1		17.51		19.5	0.0
100	16QAM	1	1		17.53		19.5	0.0
100	256QAM	1	1		17.51		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	17.56	17.60	17.55	19.5	0.0
Channel				632668	633334	634002	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	109	17.54	17.67	17.53	19.5	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3485	3500.01	3510.02	(dBm)	(dB)
60	QPSK	1	81	17.55	17.59	17.54	19.5	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	67	17.53	17.57	17.53	19.5	0.0
Channel				631334	633334	633334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	53	17.57	17.60	17.53	19.5	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	28	17.55	17.59	17.52	19.5	0.0
Channel				630000	633334	638168	Tune-up limit	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)
15	QPSK	1	19	17.54	17.57	17.53	19.5	0.0
Channel				630334	633334	633334	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
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								
Frequency (MHz)								
100	PI2 BPSK	1	1	20.51	20.65	20.58		
100	PI2 BPSK	1	137	20.61	20.69	20.53		0.0
100	PI2 BPSK	1	271	20.83	20.58	20.61		
100	PI2 BPSK	135	6	20.83	20.53	20.58	22.5	0.0
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		
100	QPSK	1	1	20.51	20.54	20.68		
100	QPSK	1	137	20.85	20.70	20.67	22.5	0.0
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	20.83	20.65	20.60		
100	16QAM	1	1	20.53	20.61	20.51	22.5	0.0
100	16QAM	1	1	20.59	20.51	20.59	22.5	0.0
100	256QAM	1	1	20.55	20.51	20.55	22.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	123	20.54	20.67	20.64	22.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	109	20.55	20.67	20.61	22.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	81	20.54	20.65	20.61	22.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	67	20.55	20.66	20.60	22.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	53	20.54	20.65	20.62	22.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	28	20.53	20.67	20.64	22.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	19	20.54	20.65	20.64	22.5	0.0
Channel								
Frequency (MHz)								
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								
Frequency (MHz)								
100	PI2 BPSK	1	1		3500.01			
100	PI2 BPSK	1	137		20.67		22.5	0.0
100	PI2 BPSK	1	271		20.59			
100	PI2 BPSK	135	6		20.54		22.5	0.0
100	PI2 BPSK	135	69		20.65		22.5	0.0
100	PI2 BPSK	135	138		20.58		22.5	0.0
100	PI2 BPSK	270	0		20.63			
100	QPSK	1	1		20.55			
100	QPSK	1	137		20.68		22.5	0.0
100	QPSK	1	271		20.60			
100	QPSK	135	0		20.53		21.5	1.0
100	QPSK	135	69		20.67		22.5	0.0
100	QPSK	135	138		20.51		21.5	1.0
100	QPSK	270	0		20.65			
100	16QAM	1	1		20.60		22.5	0.0
100	16QAM	1	1		20.52		22.5	0.0
100	256QAM	1	1		20.53		22.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	123	633800	633334	633988	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	QPSK	1	109	632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	81	632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	67	631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	53	631000	633334	635334	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	28	630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	19	630268	633334	636900	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	12	630000	633334	638334	Tune-up limit (dBm)	MPR (dB)

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								
Frequency (MHz)								
100	PI2 BPSK	1	1		3750	3750		
100	PI2 BPSK	1	137		20.81		22.5	0.0
100	PI2 BPSK	1	271		20.70			
100	PI2 BPSK	135	0		20.73		22.5	0.0
100	PI2 BPSK	135	69		20.59		22.5	0.0
100	PI2 BPSK	135	138		20.66		22.5	0.0
100	PI2 BPSK	270	0		20.71			
100	QPSK	1	1		20.80			
100	QPSK	1	137		20.76		22.5	0.0
100	QPSK	1	271		20.61			
100	QPSK	135	0		20.81		21.5	1.0
100	QPSK	135	69		20.85		22.5	0.0
100	QPSK	135	138		20.46		21.5	1.0
100	QPSK	270	0		20.71			
100	16QAM	1	1		20.64		22.5	0.0
100	16QAM	1	1		20.86		22.5	0.0
100	256QAM	1	1		20.64		22.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	123	648868	650000	650334	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	QPSK	1	109	648000	650000	650668	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	81	647168	650000	651334	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	67	646500	650000	651668	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	53	645834	650000	652000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	28	645168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	19	644700	650000	653300	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	12	644000	650000	653900	Tune-up limit (dBm)	MPR (dB)



Part27Q 78 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				
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1		20.59			
100	PI2 BPSK	1	137		20.71		22.5	0.0
100	PI2 BPSK	1	271		20.72		22.5	0.0
100	PI2 BPSK	135	0		20.72		22.5	0.0
100	PI2 BPSK	135	69		20.60		22.5	0.0
100	PI2 BPSK	135	138		20.67		22.5	0.0
100	PI2 BPSK	270	0		20.71			
100	QPSK	1	1		20.60			
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		22.5	0.0
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	16QAM	1	1		20.67		22.5	0.0
100	256QAM	1	1		20.65		22.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485	3500.01	3505.02		
90	QPSK	1	123	20.58	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	20.69	20.63	22.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3500.02		
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	3505		
50	QPSK	1	67	20.54	20.65	20.64	22.5	0.0
Channel				631334	633334	633334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	20.55	20.68	20.63	22.5	0.0
Channel				630668	633334	635000	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	20.69	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



Reduced power level for 5G NR

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				168300	167300	167600			
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	24.49	24.61	24.47			
20	PI2 BPSK	1	26	24.47	24.54	24.46	25.5	0.0	
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	23.56	23.51			
20	16QAM	1	1	23.14	23.19	23.17	24.5	1.0	
20	16QAM	1	1	21.05	21.76	21.67	23.0	2.5	
20	256QAM	1	1	20.25	20.32	20.26	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	24.39	24.42	24.43	25.5	0.0	
Channel				168300	167300	168300	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 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				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
20	PI2 BPSK	1	1	24.30	24.48	24.39			
20	PI2 BPSK	1	26	24.49	24.53	24.47	25.5	0.0	
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			
20	PI2 BPSK	50	0	24.06	24.14	24.13	25.0	0.5	
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	24.36	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			
20	16QAM	1	1	23.09	23.24	23.13	24.5	1.0	
20	16QAM	1	1	21.05	21.81	21.64	23.0	2.5	
20	256QAM	1	1	20.33	20.40	20.34	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	512000	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	345000	345000			
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	23.93	24.06	23.97			
40	PI2 BPSK	1	53	23.82	23.89	23.77	25.0	0.0	
40	PI2 BPSK	1	104	23.87	24.01	23.93			
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			
40	PI2 BPSK	100	0	23.58	23.65	23.50	24.5	0.5	
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	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	22.89	22.84	24.0	1.0	
40	16QAM	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	348000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	23.98	23.99	23.98	25.0	0.0	
Channel				345000	345000	345000	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	345000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1772			
10	QPSK	1	1	23.93	24.06	23.99	25.0	0.0	



n38 Ant1 Default/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				518004	518000	518996		
Frequency (MHz)				2590.02	2595	2599.98		
40	Pi2 BPSK	1	1	24.30	24.41	24.37		
40	Pi2 BPSK	1	53	24.21	24.26	24.19	25.5	0.0
40	Pi2 BPSK	1	104	24.29	24.34	24.25	25.0	0.5
40	Pi2 BPSK	50	0	23.79	23.89	23.74	25.0	0.5
40	Pi2 BPSK	50	28	24.42	24.40	24.33	25.5	0.0
40	Pi2 BPSK	50	58	23.80	23.79	23.71	25.0	0.5
40	Pi2 BPSK	100	0	23.79	23.90	23.79	25.0	0.0
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	58	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				518502	518000	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				518004	518000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2581.02	2595	2614.08		
10	QPSK	1	1	24.50	24.31	24.23	25.5	0.0

n41 PC3 Ant1 Default/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				529202	518598	529000		
Frequency (MHz)				2548.01	2592.99	2640		
100	Pi2 BPSK	1	1	23.07	23.11	23.08		
100	Pi2 BPSK	1	137	24.07	24.12	24.03	24.5	0.0
100	Pi2 BPSK	1	271	23.02	23.09	23.10		
100	Pi2 BPSK	135	0	23.73	23.88	23.83	24.5	0.0
100	Pi2 BPSK	135	69	23.97	24.07	23.96	24.5	0.0
100	Pi2 BPSK	135	138	23.72	23.83	23.75	24.5	0.0
100	Pi2 BPSK	270	0	23.87	23.81	23.86		
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	23.97	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	508996	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				532204	518598	532996	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	2659.98		
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)				2621.02	2592.99	2664.99		
50	QPSK	1	67	24.08	24.11	24.01	24.5	0.0
Channel				532202	518598	533000	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)				2618.02	2592.99	2699.99		
20	QPSK	1	28	24.03	24.05	24.02	24.5	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2603.5	2592.99	2682.48		
15	QPSK	1	19	24.01	24.11	24.05	24.5	0.0
Channel				532202	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/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				509202	518598	509000		
Frequency (MHz)				2548.01	2592.99	2640		
100	Pi2 BPSK	1	1	25.03	25.09	24.96		
100	Pi2 BPSK	1	137	25.95	26.08	26.03	27.0	0.0
100	Pi2 BPSK	1	271	25.03	25.11	25.04		
100	Pi2 BPSK	135	0	25.72	25.81	25.68	27.0	0.0
100	Pi2 BPSK	135	69	25.94	26.00	25.85	27.0	0.0
100	Pi2 BPSK	135	138	25.64	25.75	25.62	27.0	0.0
100	Pi2 BPSK	270	0	25.53	25.67	25.58		
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	25.68	25.69	25.64	27.0	0.0
100	QPSK	135	69	25.87	25.92	25.84	27.0	0.0
100	QPSK	135	138	25.60	25.65	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	21.88	22.5	4.5
Channel				508200	518598	508996	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				532204	518598	532996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2538.02	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	2659.98		
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)				2621.02	2592.99	2664.99		
50	QPSK	1	67	26.07	26.05	26.03	27.0	0.0
Channel				532202	518598	533000	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)				2618.02	2592.99	2699.99		
20	QPSK	1	28	26.14	26.06	26.08	27.0	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2603.5	2592.99	2682.48		
15	QPSK	1	19	26.02	26.10	26.08	27.0	0.0
Channel				532202	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



Par270 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								
Frequency (MHz)								
100	PI2 BPSK	1	1	18.58	18.68	18.51		
100	PI2 BPSK	1	137	18.56	18.66	18.56	20.5	0.0
100	PI2 BPSK	1	271	18.57	18.69	18.54		
100	PI2 BPSK	135	0	18.55	18.69	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	18.68	18.57		
100	QPSK	1	1	18.57	18.69	18.56		
100	QPSK	1	137	18.63	18.82	18.62	20.5	0.0
100	QPSK	1	271	18.54	18.69	18.56		
100	QPSK	135	0	18.54	18.60	18.54	20.5	0.0
100	QPSK	135	69	18.57	18.64	18.54	20.5	0.0
100	QPSK	135	138	18.55	18.61	18.52		
100	QPSK	270	0	18.53	18.60	18.56	20.5	0.0
100	16QAM	1	1	18.56	18.69	18.57	20.5	0.0
100	16QAM	1	1	18.57	18.64	18.53	20.5	0.0
100	256QAM	1	1	18.56	18.66	18.55	20.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	123	18.55	18.64	18.57	20.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	109	18.54	18.69	18.55	20.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	81	18.53	18.70	18.53	20.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	67	18.57	18.68	18.54	20.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	53	18.56	18.60	18.59	20.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	26	18.56	18.70	18.55	20.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	19	18.55	18.68	18.53	20.5	0.0
Channel								
Frequency (MHz)								
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								
Frequency (MHz)								
100	PI2 BPSK	1	1		3500.01	3333.34		
100	PI2 BPSK	1	137		18.54		20.5	0.0
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			
100	QPSK	1	1		18.60		20.5	0.0
100	QPSK	1	137		18.71			
100	QPSK	1	271		18.57			
100	QPSK	135	0		18.51		19.5	1.0
100	QPSK	135	69		18.56		20.5	0.0
100	QPSK	135	138		18.54		19.5	1.0
100	QPSK	270	0		18.52			
100	16QAM	1	1		18.61		20.5	0.0
100	16QAM	1	1		18.58		20.5	0.0
100	256QAM	1	1		18.58		20.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	123	632000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	QPSK	1	109	3495.02	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	81	632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	67	3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	53	631068	633334	635000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	26	630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	19	3465.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
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								
Frequency (MHz)								
100	PI2 BPSK	1	1		3750	3750		
100	PI2 BPSK	1	137		20.23		22.0	0.0
100	PI2 BPSK	1	271		20.43			
100	PI2 BPSK	135	0		20.23		22.0	0.0
100	PI2 BPSK	135	69		20.24		22.0	0.0
100	PI2 BPSK	135	138		20.29		22.0	0.0
100	PI2 BPSK	270	0		20.14		22.0	0.0
100	QPSK	1	1		20.15			
100	QPSK	1	137		20.08		22.0	0.0
100	QPSK	1	271		20.32			
100	QPSK	135	0		20.36		22.0	0.0
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			
100	16QAM	1	1		20.14		22.0	0.0
100	16QAM	1	1		20.03		22.0	0.0
100	256QAM	1	1		20.14		22.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	123	648668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	QPSK	1	109	3745.02	3750	3755.01	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	81	648668	650000	650668	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	67	3730.02	3750	3770.01	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	53	647334	650000	650968	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	26	647000	650000	650000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	19	3705	3750	3795	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	12	20.05	20.14	20.05	22.0	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				633000	633334			
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	20.03				
100	PI/2 BPSK	1	137	20.37			22.0	0.0
100	PI/2 BPSK	1	271	20.25				
100	PI/2 BPSK	135	0	20.09			22.0	0.0
100	PI/2 BPSK	135	68	20.03			22.0	0.0
100	PI/2 BPSK	135	138	20.17			22.0	0.0
100	PI/2 BPSK	270	0	20.11				
100	QPSK	1	1	20.14				
100	QPSK	1	137	20.39			22.0	0.0
100	QPSK	1	271	20.37				
100	QPSK	135	0	20.18			22.0	0.0
100	QPSK	135	68	20.20			22.0	0.0
100	QPSK	135	138	20.18				
100	QPSK	270	0	20.21			22.0	0.0
100	16QAM	1	1	20.09			22.0	0.0
100	64QAM	1	1	20.21			22.0	0.0
100	256QAM	1	1	20.13			22.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	123	20.04	20.12	20.07	22.0	0.0
Channel				633668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3499.02	3500.01	3510		
80	QPSK	1	109	20.04	20.10	20.04	22.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3509.02		
60	QPSK	1	81	20.08	20.15	20.02	22.0	0.0
Channel				631000	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	20.08	20.14	20.08	22.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	20.10	20.12	20.09	22.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26	20.05	20.10	20.07	22.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3452.5	3500.01	3542.5		
15	QPSK	1	19	20.06	20.14	20.07	22.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	20.09	20.11	20.04	22.0	0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq. @60000]	Power Med Ch. [Freq. @60000]	Power High Ch. [Freq. @60000]	Time-up limit (dBm)	MFR (dB)
Channel								
Frequency (MHz)								
100	Pi2-BPSK	1	1	17.02	17.02	17.04		
100	Pi2-BPSK	1	137	18.44	18.57	18.37		
100	Pi2-BPSK	1	271	17.98	17.98	17.98		
100	Pi2-BPSK	135	6	18.19	18.11	18.28	19.0	0.0
100	Pi2-BPSK	135	69	18.24	18.46	18.46	19.0	0.0
100	Pi2-BPSK	135	138	18.23	18.25	18.21	19.0	0.0
100	Pi2-BPSK	270	0	18.37	18.52	18.34	19.0	0.0
100	QPSK	1	1	17.98	17.98	17.98		
100	QPSK	1	137	18.32	18.37	18.33	19.0	0.0
100	QPSK	1	271	17.83	17.87	17.84		
100	QPSK	135	6	18.30	18.42	18.38	19.0	0.0
100	QPSK	135	69	18.35	18.53	18.34	19.0	0.0
100	QPSK	135	138	18.36	18.28	18.27	19.0	0.0
100	QPSK	270	0	18.35	18.35	18.36	19.0	0.0
100	16QAM	1	1	17.98	17.98	17.87	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	17.81	19.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	123	18.05	18.05	18.05	19.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	109	18.03	18.03	18.17	19.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	81	18.09	18.23	18.16	19.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	87	18.06	18.19	18.19	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	18.12	18.20	18.20	19.0	0.0
Channel								
Frequency (MHz)								
16	QPSK	1	19	18.15	18.20	18.19	19.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	12	18.17	18.11	18.27	19.0	0.0

Part27Q n77 PC2&3 Ant3 DS11 DFT-30

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq. @60000]	Power Med Ch. [Freq. @60000]	Power High Ch. [Freq. @60000]	Time-up limit (dBm)	MFR (dB)
Channel								
Frequency (MHz)								
100	Pi2-BPSK	1	1	17.77	17.77	17.77		
100	Pi2-BPSK	1	137	18.05			19.0	0.0
100	Pi2-BPSK	1	271	17.42			19.0	0.0
100	Pi2-BPSK	135	6	17.97			19.0	0.0
100	Pi2-BPSK	135	69	18.09			19.0	0.0
100	Pi2-BPSK	135	138	17.92			19.0	0.0
100	Pi2-BPSK	270	0	18.11			19.0	0.0
100	QPSK	1	1	17.66			19.0	0.0
100	QPSK	1	137	18.15			19.0	0.0
100	QPSK	1	271	17.25			19.0	0.0
100	QPSK	135	6	18.00			19.0	0.0
100	QPSK	135	69	18.23			19.0	0.0
100	QPSK	135	138	18.01			19.0	0.0
100	QPSK	270	0	18.11			19.0	0.0
100	16QAM	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	18.03	18.03	18.03	19.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	109	18.01	18.11	18.11	19.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	81	18.07	18.23	18.07	19.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	87	18.12	18.20	18.16	19.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	53	18.20	18.20	18.20	19.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	26	18.02	18.20	18.12	19.0	0.0
Channel								
Frequency (MHz)								
16	QPSK	1	19	18.02	18.15	18.09	19.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	12	18.02	18.11	18.16	19.0	0.0

Part27O n78 PC2&3 Ant3 DS11 DFT-30

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq. @60000]	Power Med Ch. [Freq. @60000]	Power High Ch. [Freq. @60000]	Time-up limit (dBm)	MFR (dB)
Channel								
Frequency (MHz)								
100	Pi2-BPSK	1	1	17.90	17.90	17.90		
100	Pi2-BPSK	1	137	18.28			19.0	0.0
100	Pi2-BPSK	1	271	18.16			19.0	0.0
100	Pi2-BPSK	135	6	18.12			19.0	0.0
100	Pi2-BPSK	135	69	18.24			19.0	0.0
100	Pi2-BPSK	135	138	18.19			19.0	0.0
100	Pi2-BPSK	270	0	18.01			19.0	0.0
100	QPSK	1	1	18.16			19.0	0.0
100	QPSK	1	137	18.15			19.0	0.0
100	QPSK	1	271	18.29			19.0	0.0
100	QPSK	135	6	18.19			19.0	0.0
100	QPSK	135	69	18.22			19.0	0.0
100	QPSK	135	138	18.16			19.0	0.0
100	QPSK	270	0	18.11			19.0	0.0
100	16QAM	1	1	17.34			19.0	0.0
100	16QAM	1	1	17.94			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	18.46	18.47	18.46	19.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	81	18.42	18.10	18.20	19.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	87	18.38	18.51	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	18.32	18.32	19.0	0.0
Channel								
Frequency (MHz)								
16	QPSK	1	19	18.44	18.15	18.20	19.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	12	18.23	18.13	18.20	19.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq. @60000]	Power Med Ch. [Freq. @60000]	Power High Ch. [Freq. @60000]	Time-up limit (dBm)	MFR (dB)
Channel								
Frequency (MHz)								
100	Pi2-BPSK	1	1	17.82				
100	Pi2-BPSK	1	137	18.23			19.0	0.0
100	Pi2-BPSK	1	271	18.46			19.0	0.0
100	Pi2-BPSK	135	6	18.47			19.0	0.0
100	Pi2-BPSK	135	69	18.24			19.0	0.0
100	Pi2-BPSK	135	138	18.27			19.0	0.0
100	Pi2-BPSK	270	0	18.27			19.0	0.0
100	QPSK	1	1	17.88			19.0	0.0
100	QPSK	1	137	18.35			19.0	0.0
100	QPSK	1	271	18.47			19.0	0.0
100	QPSK	135	6	18.47			19.0	0.0
100	QPSK	135	69	18.28			19.0	0.0
100	QPSK	135	138	18.26			19.0	0.0
100	QPSK	270	0	18.26			19.0	0.0
100	16QAM	1	1	18.25			19.0	0.0
100	16QAM	1	1	18.21			19.0	0.0
100	256QAM	1	1	17.82			19.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	123	18.42	18.42	18.32	19.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	109	18.32	18.40	18.40	19.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	81	18.42	18.20	18.27	19.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	87	18.36	18.50	18.33	19.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	53	18.36	18.42	18.48	19.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	26	18.36	18.42	18.43	19.0	0.0
Channel								
Frequency (MHz)								
16	QPSK	1	19	18.47	18.40	18.34	19.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	12	18.42	18.42	18.44	19.0	0.0



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				169300	169300	169300		
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		
20	PI2 BPSK	1	49	21.65	21.82	21.78	22.5	0.0
20	PI2 BPSK	25	0	21.60	21.69	21.53	22.5	0.0
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	22.5	0.0
20	QPSK	1	1	21.76	21.86	21.78		
20	QPSK	1	26	21.70	21.74	21.60	22.5	0.0
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	22.5	0.0
20	QPSK	25	26	21.65	21.82	21.68	22.5	0.0
20	QPSK	50	0	21.71	21.80	21.78		
20	16QAM	1	1	21.72	21.65	21.58	22.5	0.0
20	64QAM	1	1	21.74	21.75	21.70	22.5	0.0
20	256QAM	1	1	20.37	20.45	20.31	21.0	1.5
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	21.64	21.75	21.71	22.5	0.0
Channel				165200	163200	165200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	21.71	21.73	21.82	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				520000	520000	522000		
Frequency (MHz)				2610	2635	2660		
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	20.0	0.0
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	20.0	0.0
20	QPSK	1	1	19.05	19.16	18.98		
20	QPSK	1	26	18.94	19.03	19.01	20.0	0.0
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	20.0	0.0
20	QPSK	25	26	18.99	18.98	18.85	20.0	0.0
20	QPSK	50	0	19.05	19.11	19.02		
20	16QAM	1	1	18.93	19.03	18.94	20.0	0.0
20	64QAM	1	1	19.00	19.05	18.89	20.0	0.0
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		
15	QPSK	1	1	19.88	19.51	19.46	20.0	0.0
Channel				531000	529000	533000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	19.45	19.54	19.47	20.0	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				346000	346000	352000		
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	22.5	0.0
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	22.5	0.0
40	QPSK	1	1	21.23	21.35	21.31		
40	QPSK	1	53	21.23	21.32	21.25	22.5	0.0
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	22.5	0.0
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	21.18	21.22	21.07	22.5	0.0
40	64QAM	1	1	21.24	21.28	21.19	22.5	0.0
40	256QAM	1	1	19.13	19.26	19.22	20.5	2.0
Channel				344000	346000	348000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	21.18	21.30	21.21	22.5	0.0
Channel				342000	345000	345000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	21.18	21.28	21.27	22.5	0.0
Channel				343000	346000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	21.08	21.24	21.21	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				518004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	20.42	20.50	20.41			
40	PI/2 BPSK	1	53	20.34	20.49	20.31	21.5	0.0	
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			
40	QPSK	50	0	20.37	20.55	20.39	21.5	0.0	
40	QPSK	50	28	20.38	20.57	20.34	21.5	0.0	
40	QPSK	50	56	20.41	20.51	20.41			
40	QPSK	100	0	20.37	20.56	20.38	21.5	0.0	
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			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	20.26	20.64	20.37	21.5	0.0	
Channel				515502	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	20.26	20.47	20.21	21.5	0.0	
Channel				515004	518000	522996			
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			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	21.79	21.85	21.73			
100	PI/2 BPSK	1	137	21.81	21.89	21.70	23.0	0.0	
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			
100	QPSK	135	0	21.77	21.87	21.83	23.0	0.0	
100	QPSK	135	69	21.98	22.01	21.79	23.0	0.0	
100	QPSK	135	138	21.77	21.89	21.89	23.0	0.0	
100	QPSK	270	0	21.79	21.85	21.73			
100	16QAM	1	1	21.81	21.90	21.89	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			
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			
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			
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	21.63	21.84	21.59	23.0	0.0	
Channel				504204	518598	532998			
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			
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			
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			
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			
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	12	21.70	21.62	21.60	23.0	0.0	



Par270 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				650000	650000	650000		
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	12.12	12.15	12.18		
100	PI2 BPSK	1	137	12.09	12.16	12.22		
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	14.0	0.0
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	14.0	0.0
100	PI2 BPSK	270	0	12.06	12.16	12.04		
100	QPSK	1	1	12.09	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	14.0	0.0
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	16QAM	1	1	12.09	12.12	12.05	14.0	0.0
100	256QAM	1	1	12.09	12.15	12.04	14.0	0.0
Channel				648668	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				645334	650000	652334	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)				3740.02	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				645000	650000	650000	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)				3710.01	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

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	633334	633334		
Frequency (MHz)				3500.01	353334			
100	PI2 BPSK	1	1	12.14	12.06			
100	PI2 BPSK	1	137	12.10	12.10		14.0	0.0
100	PI2 BPSK	1	271	12.14	12.14			
100	PI2 BPSK	135	0	12.11	12.11		14.0	0.0
100	PI2 BPSK	135	69	12.13	12.13		14.0	0.0
100	PI2 BPSK	135	138	12.15	12.15		14.0	0.0
100	PI2 BPSK	270	0	12.12	12.12		14.0	0.0
100	QPSK	1	1	12.12	12.12			
100	QPSK	1	137	12.16	12.16		14.0	0.0
100	QPSK	1	271	12.15	12.15			
100	QPSK	135	0	12.15	12.15		14.0	0.0
100	QPSK	135	69	12.17	12.17		14.0	0.0
100	QPSK	135	138	12.14	12.14		14.0	0.0
100	QPSK	270	0	12.13	12.13		14.0	0.0
100	16QAM	1	1	12.14	12.14		14.0	0.0
100	16QAM	1	1	12.13	12.13		14.0	0.0
100	256QAM	1	1	12.13	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)				3486	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)				3476.02	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)				3468.02	3500.01	3540		
20	QPSK	1	26	12.03	12.13	12.09	14.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.52	3500.01	3542.52		
15	QPSK	1	19	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

Part27O n78 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				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI2 BPSK	1	1	12.06	12.06			
100	PI2 BPSK	1	137	12.06	12.06		14.0	0.0
100	PI2 BPSK	1	271	12.07	12.07			
100	PI2 BPSK	135	0	12.06	12.06		14.0	0.0
100	PI2 BPSK	135	69	12.03	12.03		14.0	0.0
100	PI2 BPSK	135	138	12.07	12.07		14.0	0.0
100	PI2 BPSK	270	0	12.07	12.07		14.0	0.0
100	QPSK	1	1	12.03	12.03			
100	QPSK	1	137	12.13	12.13		14.0	0.0
100	QPSK	1	271	12.11	12.11			
100	QPSK	135	0	12.05	12.05		14.0	0.0
100	QPSK	135	69	12.11	12.11		14.0	0.0
100	QPSK	135	138	12.10	12.10		14.0	0.0
100	QPSK	270	0	12.09	12.09		14.0	0.0
100	16QAM	1	1	12.10	12.10		14.0	0.0
100	16QAM	1	1	12.05	12.05		14.0	0.0
100	256QAM	1	1	12.05	12.05		14.0	0.0
Channel				648668	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				648334	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	3760.01		
60	QPSK	1	81	12.03	12.09	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	12.06	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	3780.02		
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



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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				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
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	12.16				
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			14.0	0.0
100	QPSK	1	1	12.21				
100	QPSK	1	137	12.25				
100	QPSK	1	271	12.19				
100	QPSK	135	0	12.21				
100	QPSK	135	69	12.24			14.0	0.0
100	QPSK	135	138	12.20				
100	QPSK	270	0	12.16			14.0	0.0
100	16QAM	1	1	12.23			14.0	0.0
100	16QAM	1	1	12.21			14.0	0.0
100	256QAM	1	1	12.22			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	12.17	12.04	12.03	14.0	0.0
Channel				632000	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	109	12.04	12.08	12.06	14.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490	3500.01	3500.02		
60	QPSK	1	81	12.06	12.08	12.06	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	12.13	12.06	12.11	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	12.01	12.07	12.04	14.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	28	12.11	12.07	12.10	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	12.09	12.04	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	12.02	12.04	12.04	14.0	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								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	18.55	18.60	18.54		
100	PI2 BPSK	1	137	18.51	18.57	18.52		0.0
100	PI2 BPSK	1	271	18.55	18.60	18.51		
100	PI2 BPSK	138	0	18.52	18.60	18.55	20.5	0.0
100	PI2 BPSK	138	69	18.53	18.57	18.52	20.5	0.0
100	PI2 BPSK	138	138	18.52	18.59	18.52	20.5	0.0
100	PI2 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	138	0	18.52	18.58	18.54	19.5	1.0
100	QPSK	138	69	18.52	18.59	18.53	20.5	0.0
100	QPSK	138	138	18.53	18.57	18.54	19.5	1.0
100	QPSK	270	0	18.51	18.55	18.54		
100	16QAM	1	1	18.52	18.56	18.53	20.5	0.0
100	16QAM	1	1	18.52	18.59	18.54	20.5	0.0
100	256QAM	1	1	18.53	18.59	18.53	20.5	0.0
Channel								
Frequency (MHz)				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	123	18.55	18.58	18.58	20.5	0.0
Channel								
Frequency (MHz)				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	109	18.55	18.60	18.59	20.5	0.0
Channel								
Frequency (MHz)				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	81	18.55	18.60	18.58	20.5	0.0
Channel								
Frequency (MHz)				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	67	18.55	18.60	18.58	20.5	0.0
Channel								
Frequency (MHz)				648000	650000	654000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	53	18.54	18.59	18.57	20.5	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	28	18.56	18.58	18.56	20.5	0.0
Channel								
Frequency (MHz)				647168	650000	654834	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	19	18.53	18.60	18.59	20.5	0.0
Channel								
Frequency (MHz)				647000	650000	655000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	12	18.56	18.61	18.59	20.5	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								
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1	18.55	18.60	18.55		
100	PI2 BPSK	1	137	18.51	18.61	18.51	20.5	0.0
100	PI2 BPSK	1	271	18.55	18.63	18.53		
100	PI2 BPSK	138	0	18.52	18.66	18.55	20.5	0.0
100	PI2 BPSK	138	69	18.53	18.62	18.52	20.5	0.0
100	PI2 BPSK	138	138	18.52	18.61	18.51	20.5	0.0
100	PI2 BPSK	270	0	18.52	18.60	18.52		
100	QPSK	1	1	18.56	18.66	18.56		
100	QPSK	1	137	18.57	18.70	18.60	20.5	0.0
100	QPSK	1	271	18.52	18.64	18.54		
100	QPSK	138	0	18.52	18.61	18.51	20.5	0.0
100	QPSK	138	69	18.53	18.63	18.53	20.5	0.0
100	QPSK	138	138	18.52	18.62	18.52	20.5	0.0
100	QPSK	270	0	18.55	18.54	18.54		
100	16QAM	1	1	18.61	18.61	18.61	20.5	0.0
100	16QAM	1	1	18.63	18.63	18.63	20.5	0.0
100	256QAM	1	1	18.62	18.62	18.62	20.5	0.0
Channel								
Frequency (MHz)				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	123	18.55	18.58	18.58	20.5	0.0
Channel								
Frequency (MHz)				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	109	18.56	18.62	18.60	20.5	0.0
Channel								
Frequency (MHz)				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	81	18.56	18.60	18.57	20.5	0.0
Channel								
Frequency (MHz)				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	67	18.56	18.61	18.60	20.5	0.0
Channel								
Frequency (MHz)				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	53	18.55	18.61	18.56	20.5	0.0
Channel								
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	28	18.54	18.58	18.60	20.5	0.0
Channel								
Frequency (MHz)				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	19	18.55	18.62	18.59	20.5	0.0
Channel								
Frequency (MHz)				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	12	18.57	18.62	18.59	20.5	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								
Frequency (MHz)				3750	3750	3750		
100	PI2 BPSK	1	1	17.82	17.82	17.82		
100	PI2 BPSK	1	137	17.59	17.59	17.59	19.5	0.0
100	PI2 BPSK	1	271	17.59	17.59	17.59		
100	PI2 BPSK	138	0	17.82	17.82	17.82	19.5	0.0
100	PI2 BPSK	138	69	17.59	17.59	17.59	19.5	0.0
100	PI2 BPSK	138	138	17.81	17.81	17.81	19.5	0.0
100	PI2 BPSK	270	0	17.80	17.80	17.80		
100	QPSK	1	1	17.81	17.81	17.81		
100	QPSK	1	137	17.58	17.58	17.58	19.5	0.0
100	QPSK	1	271	17.61	17.61	17.61		
100	QPSK	138	0	17.81	17.81	17.81	18.5	1.0
100	QPSK	138	69	17.82	17.82	17.82	19.5	0.0
100	QPSK	138	138	17.80	17.80	17.80	18.5	1.0
100	QPSK	270	0	17.80	17.80	17.80		
100	16QAM	1	1	17.82	17.82	17.82	19.5	0.0
100	16QAM	1	1	17.81	17.81	17.81	19.5	0.0
100	256QAM	1	1	17.80	17.80	17.80	19.5	0.0
Channel								
Frequency (MHz)				648968	650000	650334	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	123	17.55	17.58	17.56	19.5	0.0
Channel								
Frequency (MHz)				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	109	17.53	17.60	17.59	19.5	0.0
Channel								
Frequency (MHz)				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	81	17.56	17.58	17.59	19.5	0.0
Channel								
Frequency (MHz)				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	67	17.56	17.61	17.60	19.5	0.0
Channel								
Frequency (MHz)				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	53	17.54	17.61	17.60	19.5	0.0
Channel								
Frequency (MHz)				3745.02	3750	3755.01	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	28	17.54	17.61	17.57	19.5	0.0
Channel								
Frequency (MHz)				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	19	17.55	17.59	17.55	19.5	0.0
Channel								
Frequency (MHz)				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	12	17.57	17.61	17.58	19.5	0.0



Part27Q 78 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				
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1		17.69			
100	PI2 BPSK	1	137		17.67		19.5	0.0
100	PI2 BPSK	1	271		17.67			
100	PI2 BPSK	135	0		17.69		19.5	0.0
100	PI2 BPSK	135	69		17.66		19.5	0.0
100	PI2 BPSK	135	138		17.70		19.5	0.0
100	PI2 BPSK	270	0		17.68			
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		19.5	0.0
100	QPSK	135	138		17.67			
100	QPSK	270	0		17.68		19.5	0.0
100	16QAM	1	1		17.69		19.5	0.0
100	16QAM	1	1		17.68		19.5	0.0
100	256QAM	1	1		17.67		19.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485	3500.01	3505.02		
90	QPSK	1	123	17.58	17.59	17.57	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	17.55	17.60	17.57	19.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3500.02		
60	QPSK	1	81	17.54	17.58	17.57	19.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3505		
50	QPSK	1	67	17.54	17.62	17.58	19.5	0.0
Channel				631334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	17.55	17.61	17.60	19.5	0.0
Channel				630668	633334	636668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26	17.53	17.59	17.59	19.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3572.52		
15	QPSK	1	19	17.57	17.61	17.57	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	17.57	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				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	24.49	24.81	24.47		
20	PI2 BPSK	1	26	24.47	24.54	24.45	25.5	0.0
20	PI2 BPSK	1	49	24.59	24.47	24.37		
20	PI2 BPSK	25	0	23.70	23.81	23.72	25.0	0.5
20	PI2 BPSK	25	13	23.35	24.41	24.41	25.5	0.0
20	PI2 BPSK	25	26	23.86	24.01	23.84	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	23.51	24.62	24.53	25.5	0.0
20	QPSK	1	49	24.45	24.55	24.58		
20	QPSK	25	0	23.27	23.37	23.23	24.5	1.0
20	QPSK	25	13	24.41	24.53	24.46	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	21.85	21.78	21.87	23.0	2.5
20	256QAM	1	1	20.25	20.32	20.26	21.0	4.5
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
10	QPSK	1	1	24.39	24.52	24.44	25.5	0.0
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				830	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				502000	507000	512000		
Frequency (MHz)				2510	2535	2560		
20	PI2 BPSK	1	1	22.24	22.51	22.34		
20	PI2 BPSK	1	26	22.38	22.54	22.43	23.5	0.0
20	PI2 BPSK	1	49	22.36	22.53	22.38		
20	PI2 BPSK	25	0	22.44	22.50	22.25	23.5	0.0
20	PI2 BPSK	25	13	22.47	22.57	22.60	23.5	0.0
20	PI2 BPSK	25	26	22.50	22.60	22.46		
20	PI2 BPSK	50	0	22.55	22.54	22.41	23.5	0.0
20	QPSK	1	1	22.81	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		
20	QPSK	25	0	22.52	22.61	22.57	23.5	0.0
20	QPSK	25	13	22.37	22.59	22.44	23.5	0.0
20	QPSK	25	26	22.37	22.46	22.38		
20	QPSK	50	0	22.45	22.50	22.47	23.5	0.0
20	16QAM	1	1	22.46	22.50	22.52	23.5	0.0
20	64QAM	1	1	22.42	22.49	22.39	23.0	0.5
20	256QAM	1	1	20.25	20.32	20.26	21.0	2.5
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
10	QPSK	1	1	21.85	21.83	21.83	23.5	0.0
Channel				501000	507000	510500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	21.77	21.66	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)				1730	1745	1760		
40	PI2 BPSK	1	1	22.42	22.53	22.39		
40	PI2 BPSK	1	53	22.26	22.27	22.16	23.5	0.0
40	PI2 BPSK	1	104	22.34	22.45	22.35		
40	PI2 BPSK	50	0	22.42	22.39	22.42	23.5	0.0
40	PI2 BPSK	50	26	22.40	22.44	22.39	23.5	0.0
40	PI2 BPSK	50	56	22.26	22.38	22.28		
40	PI2 BPSK	100	0	22.32	22.37	22.36	23.5	0.0
40	QPSK	1	1	22.43	22.58	22.47		
40	QPSK	1	53	22.34	22.50	22.52	23.5	0.0
40	QPSK	1	104	22.30	22.42	22.43		
40	QPSK	50	0	22.38	22.42	22.40	23.5	0.0
40	QPSK	50	26	22.43	22.47	22.31	23.5	0.0
40	QPSK	50	56	22.32	22.46	22.31		
40	QPSK	100	0	22.23	22.43	22.39	23.5	0.0
40	16QAM	1	1	22.40	22.49	22.49	23.5	0.0
40	64QAM	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	22.26	22.41	22.43	23.5	0.0
Channel				343500	349000	354500	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				343000	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								
Frequency (MHz)								
40	PI2 BPSK	1	1	24.30	24.41	24.37		
40	PI2 BPSK	1	53	24.21	24.26	24.19		
40	PI2 BPSK	1	104	24.28	24.34	24.25		
40	PI2 BPSK	50	0	23.79	23.89	23.74	25.0	0.5
40	PI2 BPSK	50	28	24.42	24.40	24.33	25.0	0.0
40	PI2 BPSK	50	58	23.80	23.79	23.71		
40	PI2 BPSK	100	0	23.79	23.90	23.79		
40	QPSK	1	1	24.36	24.51	24.46		
40	QPSK	1	53	24.27	24.50	24.29		
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	58	23.52	23.59	23.59		
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								
Frequency (MHz)								
20	QPSK	1	1	24.35	24.32	24.33	24.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	2577.51	2595	2612.49		
Channel								
Frequency (MHz)								
10	QPSK	1	1	24.50	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								
Frequency (MHz)								
100	PI2 BPSK	1	1	23.07	23.11	23.08		
100	PI2 BPSK	1	137	24.07	24.12	24.03		
100	PI2 BPSK	1	271	23.02	23.09	23.10	24.5	0.0
100	PI2 BPSK	135	0	23.73	23.88	23.83	24.5	0.0
100	PI2 BPSK	135	69	23.97	24.07	23.96	24.5	0.0
100	PI2 BPSK	135	138	23.72	23.83	23.75		
100	PI2 BPSK	270	0	23.87	23.81	23.86		
100	QPSK	1	1	23.02	23.13	23.08		
100	QPSK	1	137	24.13	24.18	24.05		
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		
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								
Frequency (MHz)								
90	QPSK	1	123	24.11	24.10	24.13	24.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	109	24.10	24.07	24.05	24.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	81	24.08	24.06	24.09	24.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	67	24.06	24.11	24.01	24.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	53	24.01	24.14	24.09	24.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	28	24.03	24.05	24.02	24.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	19	24.01	24.11	24.05	24.5	0.0
Channel								
Frequency (MHz)								
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								
Frequency (MHz)								
100	PI2 BPSK	1	1	25.03	25.09	24.96		
100	PI2 BPSK	1	137	25.95	26.08	26.03		
100	PI2 BPSK	1	271	25.03	25.11	25.04	27.0	0.0
100	PI2 BPSK	135	0	25.72	25.81	25.68	27.0	0.0
100	PI2 BPSK	135	69	25.94	26.00	25.85	27.0	0.0
100	PI2 BPSK	135	138	25.64	25.75	25.62		
100	PI2 BPSK	270	0	25.53	25.67	25.58		
100	QPSK	1	1	24.97	25.10	25.05		
100	QPSK	1	137	25.97	26.17	26.05		
100	QPSK	1	271	25.07	25.16	25.10		
100	QPSK	135	0	25.68	25.69	25.64	27.0	0.0
100	QPSK	135	69	25.87	25.92	25.84	27.0	0.0
100	QPSK	135	138	25.60	25.65	25.61		
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	21.88	22.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	123	26.08	26.15	26.01	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	109	26.03	26.06	26.13	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	81	26.01	26.13	26.02	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	67	26.07	26.05	26.03	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	53	26.01	26.07	26.05	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	28	26.14	26.06	26.08	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	19	26.02	26.10	26.08	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	12	26.11	26.13	26.02	27.0	0.0



Par270 n77 Ant2 Default/DSI2 DFT-30

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch / Freq, Power Middle Ch / Freq, Power High Ch / Freq, Tune-up limit (dBm), MPR (dB). Contains multiple rows for different modulation schemes (Pi2 BPSK, QPSK, 16QAM, 64QAM, 256QAM) and channel frequencies.

Part27Q n77 Ant2 Default/DSI2 DFT-30

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch / Freq, Power Middle Ch / Freq, Power High Ch / Freq, Tune-up limit (dBm), MPR (dB). Contains multiple rows for different modulation schemes (Pi2 BPSK, QPSK, 16QAM, 64QAM, 256QAM) and channel frequencies.

Part270 n78 Ant2 Default/DSI2 DFT-30

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch / Freq, Power Middle Ch / Freq, Power High Ch / Freq, Tune-up limit (dBm), MPR (dB). Contains multiple rows for different modulation schemes (Pi2 BPSK, QPSK, 16QAM, 64QAM, 256QAM) and channel frequencies.



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				633000	633334			
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	23.03				
100	PI/2 BPSK	1	137	23.27			25.0	0.0
100	PI/2 BPSK	1	271	23.28				
100	PI/2 BPSK	135	0	23.18			25.0	0.0
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			25.0	0.0
100	QPSK	135	138	23.08				
100	QPSK	270	0	23.19			25.0	0.0
100	16QAM	1	1	23.06			25.0	0.0
100	64QAM	1	1	23.18			25.0	0.0
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	23.18	23.17	23.22	25.0	0.0
Channel				633668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3499.02	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	3509.02		
60	QPSK	1	81	23.17	23.18	23.26	25.0	0.0
Channel				631000	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	23.19	23.15	25.0	0.0
Channel				630668	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)				3452.5	3500.01	3542.5		
15	QPSK	1	19	23.20	23.22	23.19	25.0	0.0
Channel				630334	633334	638334	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

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch., Power Middle Ch., Power High Ch., Tune-up limit (dBm), MPR (dB). Contains multiple rows for different modulation schemes like Pi2 BPSK, QPSK, 16QAM, and 256QAM across various RB sizes and offsets.

Par270 n77 Ant3 PC2 Default/DSI2 DFT-30

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch., Power Middle Ch., Power High Ch., Tune-up limit (dBm), MPR (dB). Similar to the first table but for PC2 configuration.

Par270Q n77 Ant3 PC3 Default/DSI2 DFT-30

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch., Power Middle Ch., Power High Ch., Tune-up limit (dBm), MPR (dB). Similar to the first table but for PC3 configuration with 'Q' suffix.



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	P12 BPSK	1	1	25.12					
100	P12 BPSK	1	137	25.47			27.0	0.0	
100	P12 BPSK	1	271	26.13					
100	P12 BPSK	135	0	25.26			27.0	0.0	
100	P12 BPSK	135	69	25.56			27.0	0.0	
100	P12 BPSK	135	138	25.27			27.0	0.0	
100	P12 BPSK	270	0	25.33					
100	QPSK	1	1	25.10			27.0	0.0	
100	QPSK	1	137	25.63					
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					
100	16QAM	1	1	24.34			26.0	1.0	
100	64QAM	1	1	22.96			24.5	2.5	
100	256QAM	1	1	21.72			23.0	4.0	
Channel									
Frequency (MHz)									
90	QPSK	1	123	23.37	23.34	23.37	27.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	109	25.33	25.28	25.30	27.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	81	25.34	25.31	25.38	27.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	67	25.31	25.32	25.30	27.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	53	25.27	25.33	25.31	27.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	26	25.37	25.30	25.37	27.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	19	25.36	25.34	25.28	27.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	12	25.36	25.28	25.36	27.0	0.0	

Part27O 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									
Frequency (MHz)									
100	P12 BPSK	1	1	23.13					
100	P12 BPSK	1	137	24.18			24.5	0.0	
100	P12 BPSK	1	271	23.50					
100	P12 BPSK	135	0	23.53			24.5	0.0	
100	P12 BPSK	135	69	24.14			24.5	0.0	
100	P12 BPSK	135	138	24.05			24.5	0.0	
100	P12 BPSK	270	0	24.01					
100	QPSK	1	1	23.18			24.5	0.0	
100	QPSK	1	137	24.25					
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					
100	16QAM	1	1	22.96			23.5	1.0	
100	64QAM	1	1	22.88			23.5	1.0	
100	256QAM	1	1	21.94			22.0	2.5	
Channel									
Frequency (MHz)									
90	QPSK	1	123	24.00	24.00	24.03	24.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	109	24.06	24.07	24.09	24.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	81	24.05	24.08	24.11	24.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	67	24.13	24.09	24.13	24.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	53	24.15	24.10	24.06	24.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	26	24.12	24.07	24.08	24.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	19	24.14	24.13	24.16	24.5	0.0	
Channel									
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	P12 BPSK	1	1	25.02					
100	P12 BPSK	1	137	26.11			27.0	0.0	
100	P12 BPSK	1	271	25.55					
100	P12 BPSK	135	0	25.88			27.0	0.0	
100	P12 BPSK	135	69	26.15			27.0	0.0	
100	P12 BPSK	135	138	26.03			27.0	0.0	
100	P12 BPSK	270	0	26.06					
100	QPSK	1	1	25.13			27.0	0.0	
100	QPSK	1	137	26.18					
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					
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									
Frequency (MHz)									
90	QPSK	1	123	26.02	26.03	26.07	27.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	109	26.08	26.02	26.02	27.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	81	26.07	26.06	26.04	27.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	67	26.02	26.04	26.12	27.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	53	26.11	26.05	26.09	27.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	26	26.09	26.08	26.09	27.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	19	26.06	26.07	26.09	27.0	0.0	
Channel									
Frequency (MHz)									
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								
Frequency (MHz)								
100	Plz BPSK	1	1		350.01			
100	Plz BPSK	1	137		22.11			
100	Plz BPSK	1	271		24.14		24.5	0.0
100	Plz BPSK	1	271		23.56			
100	Plz BPSK	135	0		23.98			
100	Plz BPSK	135	69		24.08		24.5	0.0
100	Plz BPSK	135	138		24.03			
100	Plz BPSK	270	0		23.97		24.5	0.0
100	QPSK	1	1		23.16			
100	QPSK	1	137		24.54		24.5	0.0
100	QPSK	1	271		23.58			
100	QPSK	135	0		24.07			
100	QPSK	135	69		24.19		24.5	0.0
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	16QAM	1	1		24.14		23.5	1.0
100	16QAM	1	1		23.91		22.0	2.5
100	16QAM	1	1		23.91		22.0	2.5
Channel								
Frequency (MHz)								
90	QPSK	1	123	3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	123	24.17	24.13	24.12	24.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	109	3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	109	24.18	24.20	24.14	24.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	81	3480	3500.01	3500.02	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	81	24.15	24.13	24.19	24.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	67	3476.88	3533.34	3500.00	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	67	24.11	24.14	24.16	24.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	53	3473.01	3500.01	3500.01	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	53	24.12	24.22	24.17	24.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	26	3469.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	26	24.23	24.18	24.12	24.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	19	3457.5	3500.01	3542.52	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	19	24.18	24.17	24.22	24.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	12	3455.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	12	24.13	24.19	24.17	24.5	0.0

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								
Frequency (MHz)								
100	Plz BPSK	1	1		350.01			
100	Plz BPSK	1	137		25.10			
100	Plz BPSK	1	271		25.19		27.0	0.0
100	Plz BPSK	1	271		25.62			
100	Plz BPSK	135	0		25.97		27.0	0.0
100	Plz BPSK	135	69		26.15		27.0	0.0
100	Plz BPSK	135	138		26.03		27.0	0.0
100	Plz BPSK	270	0		26.13		27.0	0.0
100	QPSK	1	1		25.22			
100	QPSK	1	137		26.53		27.0	0.0
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		27.0	0.0
100	16QAM	1	1		25.23		26.0	1.0
100	16QAM	1	1		23.81		24.5	2.5
100	16QAM	1	1		22.31		23.0	4.0
100	16QAM	1	1		22.31		23.0	4.0
Channel								
Frequency (MHz)								
90	QPSK	1	123	3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	123	25.11	25.16	25.18	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	109	3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	109	25.16	25.15	25.14	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	81	3480	3500.01	3500.02	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	81	25.14	25.20	25.20	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	67	3476.88	3533.34	3500.00	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	67	25.18	25.10	25.18	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	67	3476.88	3533.34	3500.00	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	67	25.18	25.10	25.18	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	53	3473.01	3500.01	3500.01	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	53	25.12	25.20	25.12	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	26	3469.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	26	25.19	25.15	25.12	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	19	3457.5	3500.01	3542.52	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	19	25.15	25.09	25.16	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	12	3455.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	12	25.15	25.17	25.12	27.0	0.0



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				168300	167300	167600		
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	25.5	0.0
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	24.19		
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	16QAM	1	1	21.66	21.79	21.66	23.0	2.5
20	256QAM	1	1	20.28	20.33	20.24	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	24.50	24.63	24.51	25.5	0.0
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	24.52	24.55	24.46	25.5	0.0

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		
Frequency (MHz)				2610	2635	2650		
20	PI2 BPSK	1	1	23.15	23.26	23.19		
20	PI2 BPSK	1	26	23.39	23.49	23.34		
20	PI2 BPSK	1	49	23.25	23.32	23.30	24.5	0.0
20	PI2 BPSK	25	0	23.35	23.45	23.41	24.5	0.0
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	24.5	0.0
20	PI2 BPSK	50	0	23.44	23.56	23.51		
20	QPSK	1	1	23.48	23.56	23.42		
20	QPSK	1	26	23.20	23.33	23.22	24.5	0.0
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	24.5	0.0
20	QPSK	25	26	23.26	23.42	23.21	24.5	0.0
20	QPSK	50	0	23.27	23.29	23.21		
20	16QAM	1	1	23.20	23.29	23.20	24.5	0.0
20	16QAM	1	1	21.46	21.56	21.47	23.0	1.5
20	256QAM	1	1	20.08	20.23	20.15	21.0	3.5
Channel				501600	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	23.18	23.30	23.25	24.5	0.0
Channel				503000	509000	509500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	23.19	23.36	23.18	24.5	0.0

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		
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	25.0	0.0
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		
40	PI2 BPSK	100	0	22.92	23.33	23.26	24.5	0.5
40	QPSK	1	1	23.88	23.95	23.89		
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	22.98	23.06	22.92		
40	16QAM	1	1	22.38	22.52	22.46	24.0	1.0
40	16QAM	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		
20	QPSK	1	1	23.79	23.90	23.73	25.0	0.0
Channel				342000	345000	345500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.81	23.91	23.77	25.0	0.0
Channel				343000	349000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	23.79	23.86	23.66	25.0	0.0



n38 Ant4 Default/DSI2 DFT-30

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Middle Ch./Freq., Power High Ch./Freq., Tune-up limit (dBm), MPR (dB). Rows include various modulation schemes like Pi2 BPSK, QPSK, 16QAM, 64QAM, 256QAM across different frequency channels.

n41 PC3 Ant4 Default/DSI2 DFT-30

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Middle Ch./Freq., Power High Ch./Freq., Tune-up limit (dBm), MPR (dB). Rows include various modulation schemes like Pi2 BPSK, QPSK, 16QAM, 64QAM, 256QAM across different frequency channels.

n41 PC2 Ant4 Default/DSI2 DFT-30

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Middle Ch./Freq., Power High Ch./Freq., Tune-up limit (dBm), MPR (dB). Rows include various modulation schemes like Pi2 BPSK, QPSK, 16QAM, 64QAM, 256QAM across different frequency channels.



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								
Frequency (MHz)								
100	PI2 BPSK	1	1	15.56	15.67	15.53		
100	PI2 BPSK	1	137	15.56	15.70	15.54		0.0
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	17.5	0.0
100	PI2 BPSK	135	138	15.55	15.69	15.51		
100	PI2 BPSK	270	0	15.54	15.68	15.53		
100	QPSK	1	1	15.54	15.68	15.53		
100	QPSK	1	137	15.62	15.71	15.59		0.0
100	QPSK	1	271	15.55	15.67	15.54		
100	QPSK	135	0	15.56	15.68	15.52	17.5	0.0
100	QPSK	135	69	15.55	15.68	15.53	17.5	0.0
100	QPSK	135	138	15.55	15.60	15.57		
100	QPSK	270	0	15.56	15.67	15.55		
100	16QAM	1	1	15.57	15.66	15.56	17.5	0.0
100	16QAM	1	1	15.54	15.68	15.51	17.5	0.0
100	256QAM	1	1	15.54	15.66	15.51	17.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	123	15.52	15.60	15.55	17.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	109	15.57	15.61	15.61	17.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	81	15.53	15.58	15.61	17.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	67	15.54	15.61	15.60	17.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	53	15.55	15.63	15.57	17.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	28	15.57	15.60	15.60	17.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	19	15.54	15.59	15.58	17.5	0.0
Channel								
Frequency (MHz)								
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								
Frequency (MHz)								
100	PI2 BPSK	1	1		15.66			
100	PI2 BPSK	1	137		15.68		17.5	0.0
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		17.5	0.0
100	QPSK	1	271		15.65			
100	QPSK	135	0		15.64		17.5	0.0
100	QPSK	135	69		15.66			
100	QPSK	135	138		15.65			
100	QPSK	270	0		15.63		17.5	0.0
100	16QAM	1	1		15.63		17.5	0.0
100	16QAM	1	1		15.68		17.5	0.0
100	256QAM	1	1		15.65		17.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	123	15.58	15.63	15.56	17.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	109	15.56	15.63	15.61	17.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	81	15.54	15.59	15.58	17.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	67	15.54	15.62	15.56	17.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	53	15.54	15.59	15.61	17.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	28	15.56	15.58	15.60	17.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	19	15.57	15.58	15.59	17.5	0.0
Channel								
Frequency (MHz)								
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								
Frequency (MHz)								
100	PI2 BPSK	1	1		15.58			
100	PI2 BPSK	1	137		15.58		17.5	0.0
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		17.5	0.0
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		17.5	0.0
100	QPSK	1	271		15.57			
100	QPSK	135	0		15.55		17.5	0.0
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	0.0
100	16QAM	1	1		15.57		17.5	0.0
100	256QAM	1	1		15.56		17.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	123	15.54	15.58	15.59	17.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	109	15.56	15.59	15.56	17.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	81	15.53	15.59	15.56	17.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	67	15.53	15.60	15.59	17.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	53	15.52	15.61	15.58	17.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	28	15.53	15.59	15.60	17.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	19	15.57	15.57	15.56	17.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	12	15.52	15.57	15.60	17.5	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	PI2 BPSK	1	1	15.58				
100	PI2 BPSK	1	137	15.61			17.5	0.0
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			17.5	0.0
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			17.5	0.0
100	QPSK	135	138	15.54				
100	QPSK	270	0	15.50			17.5	0.0
100	16QAM	1	1	15.54			17.5	0.0
100	16QAM	1	1	15.56			17.5	0.0
100	256QAM	1	1	15.58			17.5	0.0
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	123	15.54	15.58	15.59	17.5	0.0
Channel				632268	633334	634402	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	109	15.54	15.61	15.58	17.5	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3485	3500.01	3505.02	(dBm)	(dB)
60	QPSK	1	81	15.58	15.60	15.59	17.5	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	67	15.57	15.63	15.60	17.5	0.0
Channel				631334	633334	633334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	53	15.57	15.58	15.56	17.5	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	28	15.58	15.62	15.57	17.5	0.0
Channel				630500	633334	636168	Tune-up limit	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)
15	QPSK	1	19	15.53	15.61	15.57	17.5	0.0
Channel				630334	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	12	15.57	15.57	15.59	17.5	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								
Frequency (MHz)								
				3750	3840	3930		
100	PI2 BPSK	1	1	16.52	16.61	16.55		
100	PI2 BPSK	1	137	16.55	16.62	16.56		0.0
100	PI2 BPSK	1	271	16.54	16.61	16.57		
100	PI2 BPSK	135	0	16.54	16.61	16.56	18.5	0.0
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		
100	QPSK	1	1	16.52	16.60	16.55		
100	QPSK	1	137	16.56	16.55	16.60	18.5	0.0
100	QPSK	1	271	16.53	16.61	16.52		
100	QPSK	135	0	16.56	16.60	16.58	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		
100	16QAM	1	1	16.53	16.62	16.58	18.5	0.0
100	16QAM	1	1	16.55	16.62	16.53	18.5	0.0
100	256QAM	1	1	16.54	16.59	16.53	18.5	0.0
Channel								
Frequency (MHz)								
				3745.02	3840	3935.01	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	123	16.51	16.61	16.55	18.5	0.0
Channel								
Frequency (MHz)								
				649334	650000	649668	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	109	16.51	16.60	16.54	18.5	0.0
Channel								
Frequency (MHz)								
				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	81	16.52	16.58	16.52	18.5	0.0
Channel								
Frequency (MHz)								
				649334	650000	649668	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	67	16.52	16.59	16.55	18.5	0.0
Channel								
Frequency (MHz)								
				648000	650000	648000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	53	16.53	16.59	16.52	18.5	0.0
Channel								
Frequency (MHz)								
				3710.01	3840	3950.02	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	28	16.54	16.59	16.54	18.5	0.0
Channel								
Frequency (MHz)								
				647168	650000	648434	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	19	16.52	16.56	16.52	18.5	0.0
Channel								
Frequency (MHz)								
				647000	650000	646000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	12	16.53	16.57	16.54	18.5	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								
Frequency (MHz)								
				3500.01				
100	PI2 BPSK	1	1	16.52	16.66	16.55		
100	PI2 BPSK	1	137	16.57	16.67	16.57	18.5	0.0
100	PI2 BPSK	1	271	16.59	16.69	16.59		
100	PI2 BPSK	135	0	16.57	16.67	16.57	18.5	0.0
100	PI2 BPSK	135	69	16.58	16.63	16.58	18.5	0.0
100	PI2 BPSK	135	138	16.55	16.61	16.55	18.5	0.0
100	PI2 BPSK	270	0	16.58	16.68	16.58		
100	QPSK	1	1	16.56	16.66	16.56		
100	QPSK	1	137	16.56	16.70	16.56	18.5	0.0
100	QPSK	1	271	16.58	16.68	16.58		
100	QPSK	135	0	16.55	16.65	16.55	17.5	1.0
100	QPSK	135	69	16.56	16.68	16.56	18.5	0.0
100	QPSK	135	138	16.54	16.64	16.54	17.5	1.0
100	QPSK	270	0	16.58	16.68	16.58		
100	16QAM	1	1	16.58	16.68	16.58	18.5	0.0
100	16QAM	1	1	16.64	16.64	16.64	18.5	0.0
100	256QAM	1	1	16.65	16.65	16.65	18.5	0.0
Channel								
Frequency (MHz)								
				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	123	16.53	16.57	16.52	18.5	0.0
Channel								
Frequency (MHz)								
				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	109	16.53	16.57	16.54	18.5	0.0
Channel								
Frequency (MHz)								
				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	81	16.52	16.57	16.51	18.5	0.0
Channel								
Frequency (MHz)								
				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	67	16.51	16.58	16.52	18.5	0.0
Channel								
Frequency (MHz)								
				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	53	16.52	16.56	16.54	18.5	0.0
Channel								
Frequency (MHz)								
				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	28	16.51	16.59	16.52	18.5	0.0
Channel								
Frequency (MHz)								
				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	19	16.53	16.56	16.52	18.5	0.0
Channel								
Frequency (MHz)								
				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	12	16.52	16.60	16.53	18.5	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								
Frequency (MHz)								
				3750	3750	3750		
100	PI2 BPSK	1	1	16.52	16.59	16.59		
100	PI2 BPSK	1	137	16.55	16.60	16.60	18.5	0.0
100	PI2 BPSK	1	271	16.56	16.59	16.56		
100	PI2 BPSK	135	0	16.56	16.56	16.56	18.5	0.0
100	PI2 BPSK	135	69	16.53	16.53	16.53	18.5	0.0
100	PI2 BPSK	135	138	16.52	16.52	16.52	18.5	0.0
100	PI2 BPSK	270	0	16.59	16.59	16.59		
100	QPSK	1	1	16.57	16.57	16.57		
100	QPSK	1	137	16.51	16.61	16.51	18.5	0.0
100	QPSK	1	271	16.58	16.58	16.58		
100	QPSK	135	0	16.54	16.54	16.54	17.5	1.0
100	QPSK	135	69	16.55	16.55	16.55	18.5	0.0
100	QPSK	135	138	16.51	16.51	16.51	17.5	1.0
100	QPSK	270	0	16.53	16.53	16.53		
100	16QAM	1	1	16.60	16.60	16.60	18.5	0.0
100	16QAM	1	1	16.60	16.60	16.60	18.5	0.0
100	256QAM	1	1	16.57	16.57	16.57	18.5	0.0
Channel								
Frequency (MHz)								
				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	123	16.52	16.58	16.52	18.5	0.0
Channel								
Frequency (MHz)								
				648334	650000	650668	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	109	16.52	16.57	16.52	18.5	0.0
Channel								
Frequency (MHz)								
				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	81	16.51	16.57	16.53	18.5	0.0
Channel								
Frequency (MHz)								
				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	67	16.54	16.58	16.51	18.5	0.0
Channel								
Frequency (MHz)								
				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	53	16.54	16.58	16.54	18.5	0.0
Channel								
Frequency (MHz)								
				3710.01	3750	3750.02	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	28	16.53	16.59	16.53	18.5	0.0
Channel								
Frequency (MHz)								
				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	19	16.53	16.60	16.54	18.5	0.0
Channel								
Frequency (MHz)								
				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	12	16.51	16.58	16.52	18.5	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	PI2 BPSK	1	1	16.61				
100	PI2 BPSK	1	137	16.60			18.5	0.0
100	PI2 BPSK	1	271	16.62			18.5	0.0
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			18.5	0.0
100	QPSK	1	1	16.63			18.5	0.0
100	QPSK	1	137	16.64			18.5	0.0
100	QPSK	1	271	16.61			18.5	0.0
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			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	16QAM	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		
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		
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		
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		
50	QPSK	1	67	16.53	16.58	16.51	18.5	0.0
Channel				631334	633334	636334	Tune-up limit (dBm)	MPR (dB)
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	637000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26	16.51	16.58	16.53	18.5	0.0
Channel				630500	633334	638168	Tune-up limit (dBm)	MPR (dB)
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	638334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	16.53	16.58	16.51	18.5	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				168300	169200	167600		
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		0.0
20	PI2 BPSK	1	49	23.49	23.57	23.47		
20	PI2 BPSK	25	0	23.30	23.41	23.32	24.5	0.0
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	24.5	0.0
20	PI2 BPSK	50	0	23.46	23.57	23.41		
20	QPSK	1	1	23.66	23.74	23.63		
20	QPSK	1	26	23.61	23.72	23.63	24.5	0.0
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	24.5	0.0
20	QPSK	25	26	23.48	23.50	23.46	24.5	0.0
20	QPSK	50	0	23.51	23.58	23.51		
20	16QAM	1	1	23.05	23.09	23.08	24.5	0.0
20	64QAM	1	1	21.62	21.71	21.59	23.0	1.5
20	256QAM	1	1	20.17	20.27	20.19	21.0	3.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.51	23.67	23.53	24.5	0.0
Channel				165300	166300	166300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.57	23.59	23.59	24.5	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				520500	520700	522000		
Frequency (MHz)				2610	2635	2650		
20	PI2 BPSK	1	1	18.34	18.48	18.39		
20	PI2 BPSK	1	26	18.42	18.48	18.36		0.0
20	PI2 BPSK	1	49	18.41	18.51	18.44	19.5	0.0
20	PI2 BPSK	25	0	18.50	18.55	18.50	19.5	0.0
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	19.5	0.0
20	PI2 BPSK	50	0	18.54	18.58	18.45		
20	QPSK	1	1	18.55	18.62	18.48		
20	QPSK	1	26	18.44	18.53	18.45	19.5	0.0
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	18.56	18.44	19.5	0.0
20	QPSK	25	26	18.39	18.48	18.43	19.5	0.0
20	QPSK	50	0	18.43	18.54	18.46		
20	16QAM	1	1	18.49	18.56	18.46	19.5	0.0
20	64QAM	1	1	18.38	18.45	18.39	19.5	0.0
20	256QAM	1	1	18.42	18.47	18.39	19.5	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	18.45	18.58	18.33	19.5	0.0
Channel				531000	533000	533000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	18.46	18.58	18.40	19.5	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				349000	349000	350000		
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		0.0
40	PI2 BPSK	1	104	19.29	19.45	19.38	20.5	0.0
40	PI2 BPSK	50	0	19.35	19.45	19.42	20.5	0.0
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	20.5	0.0
40	PI2 BPSK	100	0	19.32	19.41	19.33		
40	QPSK	1	1	19.40	19.51	19.47		
40	QPSK	1	53	19.41	19.51	19.46	20.5	0.0
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	19.39	20.5	0.0
40	QPSK	50	56	19.32	19.41	19.35	20.5	0.0
40	QPSK	100	0	19.29	19.44	19.32		
40	16QAM	1	1	19.24	19.36	19.22	20.5	0.0
40	64QAM	1	1	19.27	19.41	19.36	20.5	0.0
40	256QAM	1	1	19.44	19.48	19.37	20.5	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	19.28	19.41	19.43	20.5	0.0
Channel				345000	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	0.0
Channel				343000	349000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1774		
10	QPSK	1	1	19.27	19.46	19.43	20.5	0.0



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			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	16.65	16.71	16.66			
40	PI/2 BPSK	1	53	16.42	16.55	16.50	18.0	0.0	
40	PI/2 BPSK	1	104	16.58	16.65	16.53			
40	PI/2 BPSK	50	0	16.62	16.67	16.58	18.0	0.0	
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	18.0	0.0	
40	QPSK	50	56	16.68	16.79	16.70			
40	QPSK	100	0	16.73	16.83	16.77	18.0	0.0	
40	16QAM	1	1	16.69	16.79	16.76	18.0	0.0	
40	64QAM	1	1	16.75	16.84	16.70	18.0	0.0	
40	256QAM	1	1	16.63	16.78	16.68	18.0	0.0	
Channel				518000	519000	522000			
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			
15	QPSK	1	1	16.49	16.78	16.30	18.0	0.0	
Channel				515004	519000	522996			
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)				2548.01	2592.99	2640			
100	PI/2 BPSK	1	1	18.38	18.44	18.28			
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			
100	PI/2 BPSK	270	0	18.12	18.10	18.07	19.5	0.0	
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	19.5	0.0	
100	QPSK	135	69	18.28	18.36	18.25	19.5	0.0	
100	QPSK	135	138	18.08	18.11	18.26			
100	QPSK	270	0	18.09	18.17	18.07	19.5	0.0	
100	16QAM	1	1	18.16	18.23	18.34	19.5	0.0	
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			
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				506200	518598	531996			
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			
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			
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			
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			
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			
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	12	18.36	18.37	18.26	19.5	0.0	



Par270 n77 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									
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	21.57	21.57	21.58			
100	PI2 BPSK	1	137	21.56	21.58	21.60	23.5	0.0	
100	PI2 BPSK	1	271	21.58	21.59	21.52			
100	PI2 BPSK	135	0	21.57	21.60	21.58	23.5	0.0	
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	21.58	21.58			
100	QPSK	1	1	21.58	21.58	21.52			
100	QPSK	1	137	21.60	21.61	21.54	23.5	0.0	
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			
100	QPSK	270	0	21.57	21.59	21.51	23.5	0.0	
100	16QAM	1	1	21.56	21.58	21.52	23.5	0.0	
100	16QAM	1	1	21.56	21.58	21.52	23.5	0.0	
100	256QAM	1	1	21.56	21.57	21.51	23.5	0.0	
Channel									
Frequency (MHz)				64969	65000	65034	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	123	3745.02	3840	3935.01	23.5	0.0	
Channel									
Frequency (MHz)				64934	65000	65068	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	109	21.57	21.57	21.53	23.5	0.0	
Channel									
Frequency (MHz)				64868	65000	65334	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	81	21.56	21.59	21.53	23.5	0.0	
Channel									
Frequency (MHz)				3730.02	3840	3950.01	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	67	21.58	21.58	21.53	23.5	0.0	
Channel									
Frequency (MHz)				64800	65000	65000	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	53	21.55	21.60	21.52	23.5	0.0	
Channel									
Frequency (MHz)				64734	65000	64968	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	26	21.55	21.58	21.53	23.5	0.0	
Channel									
Frequency (MHz)				64718	65000	64834	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	19	21.59	21.59	21.51	23.5	0.0	
Channel									
Frequency (MHz)				64700	65000	65000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	12	21.58	21.57	21.52	23.5	0.0	

Part27Q n77 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									
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1		21.52	21.58			
100	PI2 BPSK	1	137		21.56		23.5	0.0	
100	PI2 BPSK	1	271		21.57				
100	PI2 BPSK	135	0		21.51		23.5	0.0	
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				
100	QPSK	1	1		21.55				
100	QPSK	1	137		21.58		23.5	0.0	
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				
100	QPSK	270	0		21.54		22.5	1.0	
100	16QAM	1	1		21.56		23.5	0.0	
100	16QAM	1	1		21.55		23.5	0.0	
100	256QAM	1	1		21.53		23.5	0.0	
Channel									
Frequency (MHz)				63000	63334	63668	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	123	3495.02	3500.01	3505.02	23.5	0.0	
Channel									
Frequency (MHz)				63068	63334	63400	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	109	21.24	21.18	21.13	23.5	0.0	
Channel									
Frequency (MHz)				63000	63334	63668	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	81	21.21	21.09	21.17	23.5	0.0	
Channel									
Frequency (MHz)				63168	63334	63500	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	67	21.12	21.06	21.18	23.5	0.0	
Channel									
Frequency (MHz)				63134	63334	63534	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	53	21.27	21.14	21.20	23.5	0.0	
Channel									
Frequency (MHz)				63068	63334	63000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	26	21.11	21.20	21.24	23.5	0.0	
Channel									
Frequency (MHz)				63000	63334	63168	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	19	21.28	21.22	21.14	23.5	0.0	
Channel									
Frequency (MHz)				63034	63334	63834	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	12	21.20	21.17	21.26	23.5	0.0	

Part270 n78 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									
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		23.03				
100	PI2 BPSK	1	137		23.41		25.0	0.0	
100	PI2 BPSK	1	271		23.34				
100	PI2 BPSK	135	0		23.27		25.0	0.0	
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				
100	QPSK	1	1		23.01				
100	QPSK	1	137		23.44		25.0	0.0	
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				
100	QPSK	270	0		23.24		25.0	0.0	
100	16QAM	1	1		23.11		25.0	0.0	
100	16QAM	1	1		23.08		25.0	0.0	
100	256QAM	1	1		23.03		25.0	0.0	
Channel									
Frequency (MHz)				64968	65000	65034	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	123	3745.02	3750	3755.01	23.03	0.0	
Channel									
Frequency (MHz)				64934	65000	65068	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	109	23.08	23.01	23.05	25.0	0.0	
Channel									
Frequency (MHz)				64868	65000	65134	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	81	23.04	23.08	23.01	25.0	0.0	
Channel									
Frequency (MHz)				3730.02	3750	3770.01	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	67	23.05	23.01	23.09	25.0	0.0	
Channel									
Frequency (MHz)				64900	65000	65000	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	53	23.09	23.02	23.04	25.0	0.0	
Channel									
Frequency (MHz)				64734	65000	65268	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	26	23.01	23.03	23.04	25.0	0.0	
Channel									
Frequency (MHz)				64718	65000	65284	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	19	23.01	23.01	23.08	25.0	0.0	
Channel									
Frequency (MHz)				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	12	23.03	23.05	23.05	25.0	0.0	



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				633000	633334			
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	23.03				
100	PI/2 BPSK	1	137	23.27			25.0	0.0
100	PI/2 BPSK	1	271	23.28				
100	PI/2 BPSK	135	0	23.18			25.0	0.0
100	PI/2 BPSK	135	69	23.12			25.0	0.0
100	PI/2 BPSK	135	138	23.08			25.0	0.0
100	PI/2 BPSK	270	0	23.01				
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			25.0	0.0
100	QPSK	135	138	23.08				
100	QPSK	270	0	23.19			25.0	0.0
100	16QAM	1	1	23.06			25.0	0.0
100	64QAM	1	1	23.18			25.0	0.0
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	23.18	23.17	23.22	25.0	0.0
Channel				633668	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				631000	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	23.19	23.15	25.0	0.0
Channel				630668	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)				3455.5	3500.01	3545.5		
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



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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq	Power Middle Ch. F.Freq	Power High Ch. F.Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pl2 BPSK	1	1	3750	3840	3930		
100	Pl2 BPSK	1	137	22.59	22.68	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	23.07	23.06	23.06	24.5	0.0
100	Pl2 BPSK	136	138	23.41	23.48	23.34	24.5	0.0
100	Pl2 BPSK	270	0	23.39	23.48	23.39	24.5	0.0
100	QPSK	1	1	22.58	22.70	22.64		
100	QPSK	1	137	23.06	23.72	23.81	24.5	0.0
100	QPSK	1	271	22.89	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	23.42	23.46	23.35	24.5	0.0
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	16QAM	1	1	22.41	22.44	22.40	23.5	1.0
100	16QAM	1	1	21.41	21.55	21.42	22.0	2.5
Channel								
Frequency (MHz)								
80	QPSK	1	123	3745.02	3840	3935.01	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	123	23.57	23.63	23.52	24.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	109	3740.01	3840	3940.02	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	109	23.48	23.65	23.52	24.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	81	3730.02	3840	3950.01	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	81	23.53	23.62	23.54	24.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	67	3720.02	3840	3960.01	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	67	23.58	23.63	23.62	24.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	53	3710.01	3840	3970.02	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	53	23.52	23.62	23.47	24.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	26	3707.52	3840	3972.51	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	26	23.53	23.67	23.54	24.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	19	3705	3840	3975	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	19	23.58	23.62	23.52	24.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	12	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. F.Freq	Power Middle Ch. F.Freq	Power High Ch. F.Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pl2 BPSK	1	1	3750	3840	3930		
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	27.0	0.0
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	25.66	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	27.0	0.0
100	16QAM	1	1	24.34	24.40	24.38	26.0	1.0
100	16QAM	1	1	22.86	22.86	22.84	24.5	2.5
100	16QAM	1	1	21.72	21.80	21.78	23.0	4.0
Channel								
Frequency (MHz)								
80	QPSK	1	123	3745.02	3840	3935.01	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	123	25.53	25.59	25.43	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	109	3740.01	3840	3940.02	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	109	25.42	25.63	25.47	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	81	3730.02	3840	3950.01	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	81	25.49	25.64	25.39	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	67	3720.02	3840	3960.01	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	67	25.43	25.55	25.43	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	53	3710.01	3840	3970.02	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	53	25.41	25.58	25.47	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	26	3707.52	3840	3972.51	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	26	25.44	25.53	25.40	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	19	3705	3840	3975	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	19	25.52	25.54	25.38	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	12	3705	3840	3975	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	12	25.43	25.58	25.43	27.0	0.0

Par270Q n77 PC3 Ant3 DS13/Default DFT-30

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq	Power Middle Ch. F.Freq	Power High Ch. F.Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pl2 BPSK	1	1	3750	3840	3930		
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			24.5	0.0
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			24.5	0.0
100	16QAM	1	1	22.50			23.5	1.0
100	16QAM	1	1	22.43			23.5	1.0
100	16QAM	1	1	21.58			22.0	2.5
Channel								
Frequency (MHz)								
80	QPSK	1	123	3745.02	3840	3935.01	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	123	23.37	23.33	23.41	24.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	109	3740.02	3900.01	3910	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	109	23.36	23.39	23.36	24.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	81	3730.02	3800.01	3810	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	81	23.37	23.33	23.32	24.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	67	3720.02	3833.01	3840	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	67	23.32	23.34	23.31	24.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	53	3710.01	3833.01	3840	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	53	23.32	23.31	23.31	24.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	26	3707.52	3833.01	3840	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	26	23.33	23.43	23.38	24.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	19	3705	3833.01	3840	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	19	23.38	23.36	23.40	24.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	12	3705	3833.01	3840	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	25.47	25.82			
100	PI2 BPSK	1	137	25.47	25.82	26.17	27.0	0.0	
100	PI2 BPSK	1	271	25.82	26.17	26.52			
100	PI2 BPSK	135	0	25.26	25.61	25.96	27.0	0.0	
100	PI2 BPSK	135	69	25.61	25.96	26.31	27.0	0.0	
100	PI2 BPSK	135	138	25.27	25.62	25.97	27.0	0.0	
100	PI2 BPSK	270	0	25.33	25.68	26.03			
100	QPSK	1	1	25.10	25.45	25.80			
100	QPSK	1	137	25.45	25.80	26.15	27.0	0.0	
100	QPSK	1	271	25.21	25.56	25.91			
100	QPSK	135	0	25.41	25.76	26.11	27.0	0.0	
100	QPSK	135	69	25.71	26.06	26.41	27.0	0.0	
100	QPSK	135	138	25.33	25.68	26.03	27.0	0.0	
100	QPSK	270	0	25.24	25.59	25.94			
100	16QAM	1	1	24.34	24.69	25.04	26.0	1.0	
100	16QAM	1	1	22.96	23.31	23.66	24.5	2.5	
100	256QAM	1	1	21.72	22.07	22.42	23.0	4.0	
Channel									
Frequency (MHz)									
90	QPSK	1	123	23.37	23.72	24.07	27.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	109	25.33	25.68	26.03	27.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	81	25.34	25.69	26.04	27.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	67	25.31	25.66	26.01	27.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	53	25.27	25.62	25.97	27.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	26	25.37	25.72	26.07	27.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	19	25.36	25.71	26.06	27.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	12	25.36	25.71	26.06	27.0	0.0	

Part27O 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	23.13	23.48	23.83			
100	PI2 BPSK	1	137	24.18	24.53	24.88	24.5	0.0	
100	PI2 BPSK	1	271	23.50	23.85	24.20			
100	PI2 BPSK	135	0	23.53	23.88	24.23	24.5	0.0	
100	PI2 BPSK	135	69	24.14	24.49	24.84	24.5	0.0	
100	PI2 BPSK	135	138	24.05	24.40	24.75	24.5	0.0	
100	PI2 BPSK	270	0	24.01	24.36	24.71			
100	QPSK	1	1	23.18	23.53	23.88			
100	QPSK	1	137	24.23	24.58	24.93	24.5	0.0	
100	QPSK	1	271	23.50	23.85	24.20			
100	QPSK	135	0	23.94	24.29	24.64	24.5	0.0	
100	QPSK	135	69	24.18	24.53	24.88	24.5	0.0	
100	QPSK	135	138	24.10	24.45	24.80	24.5	0.0	
100	QPSK	270	0	24.02	24.37	24.72			
100	16QAM	1	1	22.96	23.31	23.66	23.5	1.0	
100	16QAM	1	1	22.96	23.31	23.66	23.5	1.0	
100	256QAM	1	1	21.94	22.29	22.64	22.0	2.5	
Channel									
Frequency (MHz)									
90	QPSK	1	123	24.00	24.35	24.70	24.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	109	24.06	24.41	24.76	24.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	81	24.05	24.40	24.75	24.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	67	24.13	24.48	24.83	24.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	53	24.15	24.50	24.85	24.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	26	24.12	24.47	24.82	24.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	19	24.14	24.49	24.84	24.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	12	24.05	24.40	24.75	24.5	0.0	

Part27O 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	25.02	25.37	25.72			
100	PI2 BPSK	1	137	26.11	26.46	26.81	27.0	0.0	
100	PI2 BPSK	1	271	25.55	25.90	26.25			
100	PI2 BPSK	135	0	25.88	26.23	26.58	27.0	0.0	
100	PI2 BPSK	135	69	26.15	26.50	26.85	27.0	0.0	
100	PI2 BPSK	135	138	26.03	26.38	26.73	27.0	0.0	
100	PI2 BPSK	270	0	26.06	26.41	26.76			
100	QPSK	1	1	25.13	25.48	25.83			
100	QPSK	1	137	26.18	26.53	26.88	27.0	0.0	
100	QPSK	1	271	25.42	25.77	26.12			
100	QPSK	135	0	25.97	26.32	26.67	27.0	0.0	
100	QPSK	135	69	26.07	26.42	26.77	27.0	0.0	
100	QPSK	135	138	26.06	26.41	26.76	27.0	0.0	
100	QPSK	270	0	26.03	26.38	26.73			
100	16QAM	1	1	25.14	25.49	25.84	26.0	1.0	
100	16QAM	1	1	23.66	24.01	24.36	24.5	2.5	
100	256QAM	1	1	22.19	22.54	22.89	23.0	4.0	
Channel									
Frequency (MHz)									
90	QPSK	1	123	26.02	26.37	26.72	27.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	109	26.08	26.43	26.78	27.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	81	26.07	26.42	26.77	27.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	67	26.02	26.37	26.72	27.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	53	26.11	26.46	26.81	27.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	26	26.09	26.44	26.79	27.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	19	26.06	26.41	26.76	27.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	12	26.01	26.36	26.71	27.0	0.0	



Part27Q 78 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.	MPR (dB)
Channel							
Frequency (MHz)							
100	Pl2 BPSK	1	1	22.11	350.01		
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			
100	Pl2 BPSK	135	69	24.06		24.5	0.0
100	Pl2 BPSK	135	138	24.03			
100	Pl2 BPSK	270	0	23.97		24.5	0.0
100	QPSK	1	1	23.16			
100	QPSK	1	137	24.54		24.5	0.0
100	QPSK	1	271	23.58			
100	QPSK	135	0	24.07			
100	QPSK	135	69	24.19		24.5	0.0
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	16QAM	1	1	24.14		23.5	1.0
100	16QAM	1	1	23.91		22.0	2.5
Channel							
Frequency (MHz)							
90	QPSK	1	123	24.17	24.13	24.12	24.5
Channel							
Frequency (MHz)							
80	QPSK	1	109	24.18	24.20	24.14	24.5
Channel							
Frequency (MHz)							
60	QPSK	1	81	24.15	24.13	24.19	24.5
Channel							
Frequency (MHz)							
50	QPSK	1	67	24.11	24.14	24.16	24.5
Channel							
Frequency (MHz)							
40	QPSK	1	53	24.12	24.22	24.17	24.5
Channel							
Frequency (MHz)							
20	QPSK	1	26	24.23	24.18	24.12	24.5
Channel							
Frequency (MHz)							
15	QPSK	1	19	24.18	24.17	24.22	24.5
Channel							
Frequency (MHz)							
10	QPSK	1	12	24.13	24.19	24.17	24.5

Part27Q 78 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.	MPR (dB)
Channel							
Frequency (MHz)							
100	Pl2 BPSK	1	1	25.10	350.01		
100	Pl2 BPSK	1	137	26.19		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		27.0	0.0
100	QPSK	1	1	25.23			
100	QPSK	1	137	26.53		27.0	0.0
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		27.0	0.0
100	16QAM	1	1	25.23		26.0	1.0
100	16QAM	1	1	23.81		24.5	2.5
100	16QAM	1	1	22.31		23.0	4.0
Channel							
Frequency (MHz)							
90	QPSK	1	123	25.11	25.16	25.18	27.0
Channel							
Frequency (MHz)							
80	QPSK	1	109	25.16	25.15	25.14	27.0
Channel							
Frequency (MHz)							
60	QPSK	1	81	25.14	25.20	25.20	27.0
Channel							
Frequency (MHz)							
50	QPSK	1	67	25.18	25.10	25.18	27.0
Channel							
Frequency (MHz)							
40	QPSK	1	53	25.12	25.20	25.12	27.0
Channel							
Frequency (MHz)							
20	QPSK	1	26	25.19	25.15	25.12	27.0
Channel							
Frequency (MHz)							
15	QPSK	1	19	25.15	25.09	25.16	27.0
Channel							
Frequency (MHz)							
10	QPSK	1	12	25.15	25.17	25.12	27.0



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.	MPR (dB)
Channel				168300	167300	167600	
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	25.5
20	PI2 BPSK	25	0	24.01	24.15	24.04	25.0
20	PI2 BPSK	25	13	24.58	24.66	24.54	25.5
20	PI2 BPSK	25	26	24.03	24.15	24.03	25.0
20	PI2 BPSK	50	0	24.09	24.20	24.19	25.0
20	QPSK	1	1	24.63	24.69	24.57	
20	QPSK	1	26	24.52	24.59	24.48	25.5
20	QPSK	1	49	24.40	24.46	24.35	25.5
20	QPSK	25	0	23.56	23.63	23.55	24.5
20	QPSK	25	13	24.43	24.55	24.44	25.5
20	QPSK	25	26	23.56	23.62	23.53	24.5
20	QPSK	50	0	23.53	23.66	23.61	24.5
20	16QAM	1	1	23.16	23.24	23.16	24.5
20	64QAM	1	1	21.66	21.79	21.66	23.0
20	256QAM	1	1	20.28	20.33	20.24	21.0
Channel				166300	167300	168300	
Frequency (MHz)				831.5	836.5	841.5	
15	QPSK	1	1	24.50	24.63	24.51	25.5
Channel				165300	167300	168300	
Frequency (MHz)				829	836.5	844	
10	QPSK	1	1	24.52	24.55	24.46	25.5

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.	MPR (dB)
Channel				502000	507000	512000	
Frequency (MHz)				2610	2635	2660	
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	25.5
20	PI2 BPSK	25	0	24.01	24.14	24.03	25.0
20	PI2 BPSK	25	13	24.16	24.26	24.18	25.5
20	PI2 BPSK	25	26	23.88	23.98	23.91	25.0
20	PI2 BPSK	50	0	23.93	24.06	23.96	25.0
20	QPSK	1	1	24.44	24.57	24.50	
20	QPSK	1	26	24.31	24.43	24.38	25.5
20	QPSK	1	49	24.20	24.31	24.23	25.5
20	QPSK	25	0	23.51	23.59	23.53	24.5
20	QPSK	25	13	24.44	24.53	24.45	25.5
20	QPSK	25	26	23.43	23.48	23.39	24.5
20	QPSK	50	0	23.45	23.55	23.47	24.5
20	16QAM	1	1	22.98	23.03	22.94	24.5
20	64QAM	1	1	21.48	21.56	21.47	23.0
20	256QAM	1	1	20.08	20.23	20.15	21.0
Channel				501600	507000	512500	
Frequency (MHz)				2607.5	2635	2662.5	
15	QPSK	1	1	24.29	24.47	24.40	25.5
Channel				503000	507000	507000	
Frequency (MHz)				2605	2635	2665	
10	QPSK	1	1	24.38	24.50	24.38	25.5

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.	MPR (dB)
Channel				346000	349000	353000	
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	25.0
40	PI2 BPSK	50	0	23.22	23.36	23.25	24.5
40	PI2 BPSK	50	26	23.79	23.84	23.80	25.0
40	PI2 BPSK	50	56	23.23	23.37	23.26	24.5
40	PI2 BPSK	100	0	22.92	23.33	23.26	24.5
40	QPSK	1	1	23.88	23.95	23.89	
40	QPSK	1	53	23.75	23.85	23.71	25.0
40	QPSK	1	104	23.83	23.89	23.77	25.0
40	QPSK	50	0	22.92	23.03	22.97	24.0
40	QPSK	50	26	23.78	23.83	23.69	25.0
40	QPSK	50	56	22.87	22.97	22.83	24.0
40	QPSK	100	0	22.98	23.06	22.92	24.0
40	16QAM	1	1	22.39	22.52	22.46	24.0
40	64QAM	1	1	21.19	21.25	21.22	22.5
40	256QAM	1	1	19.29	19.42	19.30	20.5
Channel				344000	349000	354000	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	1	23.79	23.90	23.73	25.0
Channel				342000	349000	354000	
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	1	23.81	23.91	23.77	25.0
Channel				343000	349000	350000	
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	1	23.79	23.86	23.66	25.0



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)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	24.28	24.36	24.23			
40	PI2 BPSK	1	53	24.46	24.51	24.27			
40	PI2 BPSK	1	104	24.34	24.43	24.34	25.5	0.0	
40	PI2 BPSK	50	0	23.97	24.03	23.85	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	25.0	0.5	
40	PI2 BPSK	100	0	23.89	24.06	23.95			
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	20.28	20.37	20.27	21.0	4.5	
Channel				518000	519000	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				518000	519000	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	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2583.02	2595	2614.98			
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				520204	518598	520998			
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	23.29	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	24.18	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	508998	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	508998	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				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2636	2692.99	2699.98			
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	2692.99	2694.99			
50	QPSK	1	67	23.13	23.17	23.13	24.5	0.0	
Channel				503200	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2692.99	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	2692.99	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	2692.99	2682.48			
15	QPSK	1	19	23.14	23.16	23.10	24.5	0.0	
Channel				500200	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2692.99	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				520202	518598	520998			
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	25.89	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	508998	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	508998	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				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2636	2692.99	2699.98			
60	QPSK	1	81	25.35	25.43	25.39	27.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2621.02	2692.99	2694.99			
50	QPSK	1	67	25.31	25.52	25.40	27.0	0.0	
Channel				503200	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2692.99	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	2692.99	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	2692.99	2682.48			
15	QPSK	1	19	25.31	25.47	25.41	27.0	0.0	
Channel				500200	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2692.99	2688			
10	QPSK	1	12	25.33	25.44	25.35	27.0	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								
Frequency (MHz)				650000	650000	650000		
100	PI2 BPSK	1	1	15.56	15.67	15.53		
100	PI2 BPSK	1	137	15.56	15.70	15.54		0.0
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	17.5	0.0
100	PI2 BPSK	135	138	15.55	15.69	15.51		0.0
100	PI2 BPSK	270	0	15.54	15.68	15.53		
100	QPSK	1	1	15.54	15.68	15.53		
100	QPSK	1	137	15.62	15.71	15.59		0.0
100	QPSK	1	271	15.55	15.67	15.54		
100	QPSK	135	0	15.56	15.68	15.52	17.5	0.0
100	QPSK	135	69	15.55	15.68	15.53	17.5	0.0
100	QPSK	135	138	15.55	15.60	15.57		0.0
100	QPSK	270	0	15.56	15.57	15.55		
100	16QAM	1	1	15.57	15.66	15.56	17.5	0.0
100	16QAM	1	1	15.54	15.66	15.51	17.5	0.0
100	256QAM	1	1	15.54	15.66	15.51	17.5	0.0
Channel								
Frequency (MHz)				648668	650000	652334	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	123	15.52	15.60	15.55	17.5	0.0
Channel								
Frequency (MHz)				3740.01	3840	3940.02	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	109	15.57	15.61	15.61	17.5	0.0
Channel								
Frequency (MHz)				648668	650000	653334	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	81	15.53	15.60	15.61	17.5	0.0
Channel								
Frequency (MHz)				648334	650000	653668	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	67	15.54	15.61	15.60	17.5	0.0
Channel								
Frequency (MHz)				3720	3840	3960	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	53	15.55	15.63	15.57	17.5	0.0
Channel								
Frequency (MHz)				647334	650000	654668	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	26	15.57	15.60	15.60	17.5	0.0
Channel								
Frequency (MHz)				647168	650000	654834	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	19	15.54	15.59	15.58	17.5	0.0
Channel								
Frequency (MHz)				647000	650000	655000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	12	15.54	15.63	15.60	17.5	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								
Frequency (MHz)				633334	633334	633334		
100	PI2 BPSK	1	1	15.56	15.66	15.53		
100	PI2 BPSK	1	137	15.56	15.68	15.54		0.0
100	PI2 BPSK	1	271	15.52	15.67	15.51		
100	PI2 BPSK	135	0	15.56	15.69	15.52	17.5	0.0
100	PI2 BPSK	135	69	15.55	15.69	15.52	17.5	0.0
100	PI2 BPSK	135	138	15.55	15.67	15.51		0.0
100	PI2 BPSK	270	0	15.53	15.63	15.53		
100	QPSK	1	1	15.57	15.67	15.57		
100	QPSK	1	137	15.75	15.75	15.59		0.0
100	QPSK	1	271	15.65	15.65	15.54		
100	QPSK	135	0	15.54	15.64	15.54	17.5	0.0
100	QPSK	135	69	15.56	15.66	15.56	17.5	0.0
100	QPSK	135	138	15.55	15.65	15.55		0.0
100	QPSK	270	0	15.63	15.63	15.53		
100	16QAM	1	1	15.63	15.63	15.53	17.5	0.0
100	16QAM	1	1	15.58	15.58	15.58	17.5	0.0
100	256QAM	1	1	15.58	15.65	15.58	17.5	0.0
Channel								
Frequency (MHz)				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	123	15.58	15.63	15.56	17.5	0.0
Channel								
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	109	15.56	15.63	15.61	17.5	0.0
Channel								
Frequency (MHz)				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	81	15.54	15.59	15.59	17.5	0.0
Channel								
Frequency (MHz)				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	67	15.54	15.62	15.56	17.5	0.0
Channel								
Frequency (MHz)				631334	633334	633334	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	53	15.54	15.59	15.61	17.5	0.0
Channel								
Frequency (MHz)				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	26	15.56	15.58	15.60	17.5	0.0
Channel								
Frequency (MHz)				630000	633334	636168	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	19	15.57	15.58	15.59	17.5	0.0
Channel								
Frequency (MHz)				630334	633334	633334	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	12	15.58	15.61	15.59	17.5	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								
Frequency (MHz)				650000	650000	650000		
100	PI2 BPSK	1	1	15.58	15.58	15.58		
100	PI2 BPSK	1	137	15.58	15.58	15.58		0.0
100	PI2 BPSK	1	271	15.60	15.60	15.60		
100	PI2 BPSK	135	0	15.60	15.60	15.60	17.5	0.0
100	PI2 BPSK	135	69	15.59	15.59	15.59	17.5	0.0
100	PI2 BPSK	135	138	15.57	15.57	15.57		0.0
100	PI2 BPSK	270	0	15.55	15.55	15.55		
100	QPSK	1	1	15.58	15.58	15.58		
100	QPSK	1	137	15.67	15.67	15.67		0.0
100	QPSK	1	271	15.57	15.57	15.57		
100	QPSK	135	0	15.55	15.55	15.55	17.5	0.0
100	QPSK	135	69	15.56	15.56	15.56	17.5	0.0
100	QPSK	135	138	15.56	15.56	15.56		0.0
100	QPSK	270	0	15.52	15.52	15.52		
100	16QAM	1	1	15.54	15.54	15.54	17.5	0.0
100	16QAM	1	1	15.57	15.57	15.57	17.5	0.0
100	256QAM	1	1	15.56	15.56	15.56	17.5	0.0
Channel								
Frequency (MHz)				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	123	15.54	15.58	15.59	17.5	0.0
Channel								
Frequency (MHz)				3740.01	3750	3760.02	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	109	15.56	15.59	15.56	17.5	0.0
Channel								
Frequency (MHz)				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	81	15.53	15.59	15.56	17.5	0.0
Channel								
Frequency (MHz)				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	67	15.53	15.60	15.59	17.5	0.0
Channel								
Frequency (MHz)				3720	3750	3780	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	53	15.52	15.61	15.58	17.5	0.0
Channel								
Frequency (MHz)				647334	650000	652068	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	26	15.53	15.59	15.60	17.5	0.0
Channel								
Frequency (MHz)				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	19	15.57	15.57	15.56	17.5	0.0
Channel								
Frequency (MHz)				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	12	15.52	15.57	15.60	17.5	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	PI2 BPSK	1	1	15.58				
100	PI2 BPSK	1	137	15.61			17.5	0.0
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			17.5	0.0
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			17.5	0.0
100	QPSK	135	138	15.54				
100	QPSK	270	0	15.50			17.5	0.0
100	16QAM	1	1	15.54			17.5	0.0
100	16QAM	1	1	15.56			17.5	0.0
100	256QAM	1	1	15.58			17.5	0.0
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
30	QPSK	1	123	15.54	15.58	15.59	17.5	0.0
Channel				632268	633334	634402	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	109	15.54	15.61	15.58	17.5	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3485	3500.01	3500.02	(dBm)	(dB)
60	QPSK	1	81	15.58	15.60	15.59	17.5	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	67	15.57	15.63	15.60	17.5	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	53	15.57	15.58	15.56	17.5	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	28	15.58	15.62	15.57	17.5	0.0
Channel				630500	633334	636168	Tune-up limit	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)
15	QPSK	1	19	15.53	15.61	15.57	17.5	0.0
Channel				630334	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	12	15.57	15.57	15.59	17.5	0.0



Par270 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									
Frequency (MHz)				65000	65000	65000			
100	PI2 BPSK	1	1	16.52	16.61	16.55			
100	PI2 BPSK	1	137	16.55	16.62	16.56			0.0
100	PI2 BPSK	1	271	16.54	16.61	16.57			
100	PI2 BPSK	135	0	16.54	16.61	16.56	18.5	0.0	
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			
100	QPSK	1	1	16.52	16.60	16.55			
100	QPSK	1	137	16.56	16.55	16.60	18.5	0.0	
100	QPSK	1	271	16.53	16.61	16.52			
100	QPSK	135	0	16.56	16.60	16.58	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			
100	16QAM	1	1	16.53	16.62	16.58	18.5	0.0	
100	16QAM	1	1	16.55	16.62	16.53	18.5	0.0	
100	256QAM	1	1	16.54	16.59	16.53	18.5	0.0	
Channel									
Frequency (MHz)				3745.02	3840	3935.01	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	123	16.51	16.61	16.55	18.5	0.0	
Channel									
Frequency (MHz)				649334	65000	65098	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	109	16.51	16.60	16.54	18.5	0.0	
Channel									
Frequency (MHz)				645668	65000	65334	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	81	16.52	16.58	16.52	18.5	0.0	
Channel									
Frequency (MHz)				645334	65000	65368	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	67	16.52	16.59	16.55	18.5	0.0	
Channel									
Frequency (MHz)				648000	65000	65400	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	53	16.53	16.59	16.52	18.5	0.0	
Channel									
Frequency (MHz)				3710.01	3840	3970.02	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	28	16.54	16.59	16.54	18.5	0.0	
Channel									
Frequency (MHz)				647168	65000	654834	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	19	16.52	16.56	16.52	18.5	0.0	
Channel									
Frequency (MHz)				647000	65000	65600	Tune-up limit (dBm)	MPR (dB)	
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									
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1	16.52	16.66	16.55			
100	PI2 BPSK	1	137	16.57	16.67	16.57	18.5	0.0	
100	PI2 BPSK	1	271	16.54	16.59	16.58			
100	PI2 BPSK	135	0	16.54	16.67	16.58	18.5	0.0	
100	PI2 BPSK	135	69	16.54	16.63	16.58	18.5	0.0	
100	PI2 BPSK	135	138	16.55	16.61	16.54	18.5	0.0	
100	PI2 BPSK	270	0	16.51	16.68	16.55			
100	QPSK	1	1	16.52	16.66	16.55			
100	QPSK	1	137	16.56	16.70	16.57	18.5	0.0	
100	QPSK	1	271	16.53	16.68	16.52			
100	QPSK	135	0	16.56	16.65	16.58	17.5	1.0	
100	QPSK	135	69	16.56	16.68	16.52	18.5	0.0	
100	QPSK	135	138	16.55	16.64	16.56	17.5	1.0	
100	QPSK	270	0	16.54	16.65	16.57			
100	16QAM	1	1	16.53	16.68	16.58	18.5	0.0	
100	16QAM	1	1	16.55	16.64	16.54	18.5	0.0	
100	256QAM	1	1	16.54	16.65	16.55	18.5	0.0	
Channel									
Frequency (MHz)				633000	63334	63368	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	123	16.53	16.57	16.52	18.5	0.0	
Channel									
Frequency (MHz)				632668	63334	63400	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	109	16.53	16.57	16.54	18.5	0.0	
Channel									
Frequency (MHz)				632000	63334	63468	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	81	16.52	16.57	16.51	18.5	0.0	
Channel									
Frequency (MHz)				631668	63334	63500	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	67	16.51	16.58	16.52	18.5	0.0	
Channel									
Frequency (MHz)				631334	63334	63534	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	53	16.52	16.56	16.54	18.5	0.0	
Channel									
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	28	16.51	16.59	16.52	18.5	0.0	
Channel									
Frequency (MHz)				630500	63334	63618	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	19	16.53	16.56	16.55	18.5	0.0	
Channel									
Frequency (MHz)				630334	63334	63634	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	12	16.52	16.60	16.53	18.5	0.0	

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									
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1	16.52	16.59	16.56			
100	PI2 BPSK	1	137	16.55	16.60	16.56			0.0
100	PI2 BPSK	1	271	16.54	16.58	16.56			
100	PI2 BPSK	135	0	16.54	16.58	16.56	18.5	0.0	
100	PI2 BPSK	135	69	16.54	16.53	16.55	18.5	0.0	
100	PI2 BPSK	135	138	16.55	16.52	16.54	18.5	0.0	
100	PI2 BPSK	270	0	16.51	16.59	16.55			
100	QPSK	1	1	16.52	16.57	16.57			
100	QPSK	1	137	16.56	16.61	16.51	18.5	0.0	
100	QPSK	1	271	16.53	16.58	16.52			
100	QPSK	135	0	16.54	16.54	16.54	17.5	1.0	
100	QPSK	135	69	16.55	16.55	16.55	18.5	0.0	
100	QPSK	135	138	16.54	16.51	16.51	17.5	1.0	
100	QPSK	270	0	16.53	16.53	16.53			
100	16QAM	1	1	16.53	16.60	16.56	18.5	0.0	
100	16QAM	1	1	16.55	16.60	16.54	18.5	0.0	
100	256QAM	1	1	16.54	16.57	16.55	18.5	0.0	
Channel									
Frequency (MHz)				648668	65000	65034	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	123	16.52	16.58	16.52	18.5	0.0	
Channel									
Frequency (MHz)				648334	65000	65098	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	109	16.52	16.57	16.52	18.5	0.0	
Channel									
Frequency (MHz)				648668	65000	65134	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	81	16.51	16.57	16.53	18.5	0.0	
Channel									
Frequency (MHz)				648334	65000	65198	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	67	16.54	16.58	16.51	18.5	0.0	
Channel									
Frequency (MHz)				648000	65000	65200	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	53	16.54	16.58	16.54	18.5	0.0	
Channel									
Frequency (MHz)				3710.01	3750	3750.02	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	28	16.53	16.59	16.53	18.5	0.0	
Channel									
Frequency (MHz)				647168	65000	65284	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	19	16.53	16.60	16.54	18.5	0.0	
Channel									
Frequency (MHz)				647000	65000	65300	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	12	16.51	16.58	16.52	18.5	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	PI2 BPSK	1	1	16.61	16.61		18.5	0.0
100	PI2 BPSK	1	137	16.60	16.60			
100	PI2 BPSK	1	271	16.62	16.62		18.5	0.0
100	PI2 BPSK	135	0	16.58	16.58		18.5	0.0
100	PI2 BPSK	135	69	16.59	16.59		18.5	0.0
100	PI2 BPSK	135	138	16.59	16.59		18.5	0.0
100	PI2 BPSK	270	0	16.63	16.63			
100	QPSK	1	1	16.63	16.63		18.5	0.0
100	QPSK	1	137	16.64	16.64			
100	QPSK	1	271	16.61	16.61			
100	QPSK	135	0	16.61	16.61		18.5	0.0
100	QPSK	135	69	16.63	16.63		18.5	0.0
100	QPSK	135	138	16.59	16.59		18.5	0.0
100	QPSK	270	0	16.61	16.61			
100	16QAM	1	1	16.61	16.61		18.5	0.0
100	16QAM	1	1	16.59	16.59		18.5	0.0
100	256QAM	1	1	16.63	16.63		18.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485	3500.01	3505.02		
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		
80	QPSK	1	109	16.53	16.59	16.54	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	16.53	16.59	16.53	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	16.53	16.59	16.51	18.5	0.0
Channel				631334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	16.53	16.59	16.55	18.5	0.0
Channel				630668	633334	637000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26	16.51	16.58	16.53	18.5	0.0
Channel				630500	633334	638168	Tune-up limit (dBm)	MPR (dB)
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	638334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	16.53	16.58	16.51	18.5	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				168300	169300	167600		
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		0.0
20	PI2 BPSK	1	49	23.49	23.57	23.47		
20	PI2 BPSK	25	0	23.30	23.41	23.32	24.5	0.0
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	24.5	0.0
20	PI2 BPSK	50	0	23.46	23.57	23.41		
20	QPSK	1	1	23.66	23.74	23.63		
20	QPSK	1	26	23.61	23.72	23.63	24.5	0.0
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	24.5	0.0
20	QPSK	25	26	23.48	23.50	23.46	24.5	0.0
20	QPSK	50	0	23.51	23.58	23.51		
20	16QAM	1	1	23.05	23.09	23.08	24.5	0.0
20	16QAM	1	1	21.62	21.71	21.59	23.0	1.5
20	256QAM	1	1	20.17	20.27	20.19	21.0	3.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.51	23.67	23.53	24.5	0.0
Channel				165300	166300	165300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.57	23.59	23.59	24.5	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				502000	507000	512000		
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		0.0
20	PI2 BPSK	1	49	18.41	18.51	18.44	19.5	0.0
20	PI2 BPSK	25	0	18.50	18.55	18.50	19.5	0.0
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	19.5	0.0
20	PI2 BPSK	50	0	18.54	18.58	18.45		
20	QPSK	1	1	18.55	18.62	18.48		
20	QPSK	1	26	18.44	18.53	18.45	19.5	0.0
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	18.56	18.44	19.5	0.0
20	QPSK	25	26	18.39	18.48	18.43	19.5	0.0
20	QPSK	50	0	18.43	18.54	18.46		
20	16QAM	1	1	18.49	18.56	18.46	19.5	0.0
20	16QAM	1	1	18.38	18.45	18.39	19.5	0.0
20	256QAM	1	1	18.42	18.47	18.39	19.5	0.0
Channel				501000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	18.45	18.58	18.33	19.5	0.0
Channel				503000	509000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	18.46	18.58	18.40	19.5	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				349000	349000	350000		
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		0.0
40	PI2 BPSK	1	104	19.29	19.45	19.38	20.5	0.0
40	PI2 BPSK	50	0	19.35	19.45	19.42	20.5	0.0
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	20.5	0.0
40	PI2 BPSK	100	0	19.32	19.41	19.33		
40	QPSK	1	1	19.40	19.51	19.47		
40	QPSK	1	53	19.41	19.51	19.46	20.5	0.0
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	19.39	20.5	0.0
40	QPSK	50	56	19.32	19.41	19.35	20.5	0.0
40	QPSK	100	0	19.29	19.44	19.32		
40	16QAM	1	1	19.24	19.36	19.22	20.5	0.0
40	16QAM	1	1	19.27	19.41	19.36	20.5	0.0
40	256QAM	1	1	19.44	19.48	19.37	20.5	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	19.28	19.41	19.43	20.5	0.0
Channel				345000	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	0.0
Channel				343000	349000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1774		
10	QPSK	1	1	19.27	19.46	19.43	20.5	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				518004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	16.65	16.71	16.66			
40	PI/2 BPSK	1	53	16.42	16.55	16.50	18.0	0.0	
40	PI/2 BPSK	1	104	16.58	16.65	16.53			
40	PI/2 BPSK	50	0	16.62	16.67	16.58	18.0	0.0	
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	18.0	0.0	
40	QPSK	50	56	16.68	16.79	16.70			
40	QPSK	100	0	16.73	16.83	16.77	18.0	0.0	
40	16QAM	1	1	16.69	16.79	16.76	18.0	0.0	
40	64QAM	1	1	16.75	16.84	16.70	18.0	0.0	
40	256QAM	1	1	16.63	16.78	16.68	18.0	0.0	
Channel				518000	519000	522000			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	16.72	16.67	16.73	18.0	0.0	
Channel				515502	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	16.52	16.93	16.29	18.0	0.0	
Channel				515004	519000	522996			
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			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	18.38	18.44	18.28			
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			
100	PI/2 BPSK	270	0	18.12	18.10	18.07	19.5	0.0	
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	19.5	0.0	
100	QPSK	135	69	18.28	18.36	18.25	19.5	0.0	
100	QPSK	135	138	18.08	18.11	18.26			
100	QPSK	270	0	18.09	18.17	18.07	19.5	0.0	
100	16QAM	1	1	18.16	18.23	18.34	19.5	0.0	
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			
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			
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			
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			
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			
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			
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			
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	12	18.36	18.37	18.26	19.5	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								
Frequency (MHz)				65000	65000	65000		
100	PI2 BPSK	1	1	16.14	16.20	16.16		
100	PI2 BPSK	1	137	16.16	16.22	16.16	18.0	0.0
100	PI2 BPSK	1	271	16.19	16.23	16.17		
100	PI2 BPSK	135	0	16.13	16.21	16.15	18.0	0.0
100	PI2 BPSK	135	69	16.15	16.25	16.18	18.0	0.0
100	PI2 BPSK	135	138	16.16	16.23	16.16	18.0	0.0
100	PI2 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		
100	QPSK	135	0	16.14	16.23	16.16	18.0	0.0
100	QPSK	135	69	16.14	16.24	16.13	18.0	0.0
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								
Frequency (MHz)				64868	65000	65034	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	123	16.14	16.20	16.17	18.0	0.0
Channel								
Frequency (MHz)				64934	65000	65068	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	109	16.16	16.23	16.12	18.0	0.0
Channel								
Frequency (MHz)				64868	65000	65334	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	81	16.17	16.19	16.15	18.0	0.0
Channel								
Frequency (MHz)				64934	65000	65302	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	67	16.17	16.25	16.16	18.0	0.0
Channel								
Frequency (MHz)				64800	65000	65000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	53	16.13	16.20	16.15	18.0	0.0
Channel								
Frequency (MHz)				64734	65000	64968	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	26	16.12	16.22	16.16	18.0	0.0
Channel								
Frequency (MHz)				64718	65000	64834	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	19	16.15	16.21	16.17	18.0	0.0
Channel								
Frequency (MHz)				64700	65000	65000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	12	16.12	16.22	16.15	18.0	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								
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1	16.14	16.14	16.14		
100	PI2 BPSK	1	137	16.13	16.13	16.13	18.0	0.0
100	PI2 BPSK	1	271	16.19	16.19	16.19		
100	PI2 BPSK	135	0	16.11	16.11	16.11	18.0	0.0
100	PI2 BPSK	135	69	16.21	16.21	16.21	18.0	0.0
100	PI2 BPSK	135	138	16.14	16.14	16.14	18.0	0.0
100	PI2 BPSK	270	0	16.15	16.15	16.15		
100	QPSK	1	1	16.16	16.16	16.16		
100	QPSK	1	137	16.26	16.26	16.26	18.0	0.0
100	QPSK	1	271	16.19	16.19	16.19		
100	QPSK	135	0	16.17	16.17	16.17	17.0	1.0
100	QPSK	135	69	16.16	16.16	16.16	18.0	0.0
100	QPSK	135	138	16.13	16.13	16.13	17.0	1.0
100	QPSK	270	0	16.12	16.12	16.12		
100	16QAM	1	1	16.15	16.15	16.15	18.0	0.0
100	64QAM	1	1	16.19	16.19	16.19	18.0	0.0
100	256QAM	1	1	16.16	16.16	16.16	18.0	0.0
Channel								
Frequency (MHz)				63000	63334	63368	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	123	16.13	16.18	16.15	18.0	0.0
Channel								
Frequency (MHz)				63068	63334	63400	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	109	16.15	16.22	16.13	18.0	0.0
Channel								
Frequency (MHz)				63000	63334	63468	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	81	16.11	16.23	16.12	18.0	0.0
Channel								
Frequency (MHz)				63168	63334	63500	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	67	16.10	16.22	16.11	18.0	0.0
Channel								
Frequency (MHz)				63134	63334	63534	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	53	16.13	16.17	16.12	18.0	0.0
Channel								
Frequency (MHz)				63068	63334	63600	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	26	16.10	16.22	16.12	18.0	0.0
Channel								
Frequency (MHz)				63000	63334	63668	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	19	16.10	16.20	16.11	18.0	0.0
Channel								
Frequency (MHz)				63034	63334	63634	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	12	16.11	16.19	16.11	18.0	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								
Frequency (MHz)				3750	3750	3750		
100	PI2 BPSK	1	1	16.03	16.03	16.03		
100	PI2 BPSK	1	137	16.18	16.18	16.18	19.5	0.0
100	PI2 BPSK	1	271	17.96	17.96	17.96		
100	PI2 BPSK	135	0	17.88	17.88	17.88	19.5	0.0
100	PI2 BPSK	135	69	17.96	17.96	17.96	19.5	0.0
100	PI2 BPSK	135	138	17.98	17.98	17.98	19.5	0.0
100	PI2 BPSK	270	0	17.78	17.78	17.78		
100	QPSK	1	1	17.96	17.96	17.96		
100	QPSK	1	137	18.20	18.20	18.20	19.5	0.0
100	QPSK	1	271	18.05	18.05	18.05		
100	QPSK	135	0	17.95	17.95	17.95	19.5	0.0
100	QPSK	135	69	18.04	18.04	18.04	19.5	0.0
100	QPSK	135	138	18.02	18.02	18.02	19.5	0.0
100	QPSK	270	0	17.97	17.97	17.97		
100	16QAM	1	1	17.92	17.92	17.92	19.5	0.0
100	64QAM	1	1	17.86	17.86	17.86	19.5	0.0
100	256QAM	1	1	17.79	17.79	17.79	19.5	0.0
Channel								
Frequency (MHz)				64868	65000	65034	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	123	17.88	18.10	18.01	19.5	0.0
Channel								
Frequency (MHz)				64934	65000	65068	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	109	17.96	18.11	18.02	19.5	0.0
Channel								
Frequency (MHz)				64868	65000	65134	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	81	17.97	18.11	18.06	19.5	0.0
Channel								
Frequency (MHz)				64934	65000	65168	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	67	18.00	18.08	18.06	19.5	0.0
Channel								
Frequency (MHz)				64800	65000	65200	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	53	17.95	18.09	18.07	19.5	0.0
Channel								
Frequency (MHz)				64734	65000	65268	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	26	17.96	18.09	18.01	19.5	0.0
Channel								
Frequency (MHz)				64718	65000	65284	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	19	17.98	18.10	18.03	19.5	0.0
Channel								
Frequency (MHz)				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	12	17.95	18.08	18.05	19.5	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				633000	633334			
Frequency (MHz)				3495	3500.01	3505.02		
100	PI/2 BPSK	1	1	17.93				
100	PI/2 BPSK	1	137	18.19			19.5	0.0
100	PI/2 BPSK	1	271	17.98				
100	PI/2 BPSK	135	0	17.89			19.5	0.0
100	PI/2 BPSK	135	69	18.00			19.5	0.0
100	PI/2 BPSK	135	138	18.00			19.5	0.0
100	PI/2 BPSK	270	0	17.89				
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	17.87			19.5	0.0
100	QPSK	135	69	18.07			19.5	0.0
100	QPSK	135	138	18.03				
100	QPSK	270	0	18.01			19.5	0.0
100	16QAM	1	1	17.82			19.5	0.0
100	64QAM	1	1	17.79			19.5	0.0
100	256QAM	1	1	17.72			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	17.99	18.12	18.05	19.5	0.0
Channel				633668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3499.02	3500.01	3510		
80	QPSK	1	109	17.95	18.09	18.03	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	17.06	18.08	18.05	19.5	0.0
Channel				631000	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	17.98	18.12	18.03	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	17.89	18.09	18.03	19.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26	17.94	18.06	18.04	19.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3452.5	3500.01	3542.5		
15	QPSK	1	19	17.96	18.07	18.07	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	17.96	18.07	18.07	19.5	0.0



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	PI2 BPSK	1	1	17.16	17.23	17.11			
100	PI2 BPSK	1	137	17.85	17.98	17.80	18.5	0.0	
100	PI2 BPSK	1	271	17.14	17.25	17.15			
100	PI2 BPSK	135	0	17.80	17.89	17.80	18.5	0.0	
100	PI2 BPSK	135	69	17.97	17.95	17.94	18.5	0.0	
100	PI2 BPSK	135	138	17.80	17.89	17.87			
100	PI2 BPSK	270	0	17.86	17.91	17.85	18.5	0.0	
100	QPSK	1	1	17.09	17.29	17.20			
100	QPSK	1	137	17.84	18.04	17.94	18.5	0.0	
100	QPSK	1	271	17.24	17.25	17.09			
100	QPSK	135	0	17.89	17.97	17.84	18.5	0.0	
100	QPSK	135	69	17.96	18.01	17.80	18.5	0.0	
100	QPSK	135	138	17.74	17.85	17.77			
100	QPSK	270	0	17.84	17.88	17.75	18.5	0.0	
100	16QAM	1	1	17.26	17.35	17.27	18.5	0.0	
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	0.0	
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	17.16	18.5	0.0	
Channel				648334	650000	662334	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				648334	650000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720.02	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	17.26	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	633334	633334			
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1		18.88				
100	PI2 BPSK	1	137		17.73		18.5	0.0	
100	PI2 BPSK	1	271		18.98				
100	PI2 BPSK	135	0		17.61		18.5	0.0	
100	PI2 BPSK	135	69		17.78		18.5	0.0	
100	PI2 BPSK	135	138		17.51		18.5	0.0	
100	PI2 BPSK	270	0		17.62		18.5	0.0	
100	QPSK	1	1		17.20				
100	QPSK	1	137		17.83		18.5	0.0	
100	QPSK	1	271		17.10				
100	QPSK	135	0		17.86		18.5	0.0	
100	QPSK	135	69		17.71		18.5	0.0	
100	QPSK	135	138		17.60		18.5	0.0	
100	QPSK	270	0		17.68		18.5	0.0	
100	16QAM	1	1		17.12		18.5	0.0	
100	64QAM	1	1		17.01		18.5	0.0	
100	256QAM	1	1		16.97		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	17.79	17.81	17.82	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)				3455.01	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)				3450.01	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	PI2 BPSK	1	1		17.85				
100	PI2 BPSK	1	137		18.29		18.5	0.0	
100	PI2 BPSK	1	271		17.72				
100	PI2 BPSK	135	0		18.22		18.5	0.0	
100	PI2 BPSK	135	69		18.26		18.5	0.0	
100	PI2 BPSK	135	138		18.24		18.5	0.0	
100	PI2 BPSK	270	0		18.11		18.5	0.0	
100	QPSK	1	1		17.81				
100	QPSK	1	137		18.32		18.5	0.0	
100	QPSK	1	271		17.80				
100	QPSK	135	0		18.24		18.5	0.0	
100	QPSK	135	69		18.30		18.5	0.0	
100	QPSK	135	138		18.25		18.5	0.0	
100	QPSK	270	0		18.25		18.5	0.0	
100	16QAM	1	1		17.89		18.5	0.0	
100	64QAM	1	1		17.58		18.5	0.0	
100	256QAM	1	1		17.82		18.5	0.0	
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	17.59	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)				3730.02	3750	3770.01			
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	17.58	17.60	17.63	18.5	0.0	
Channel				648000	650000	662000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720.02	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	17.58	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	17.68	17.83	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				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02		
100	PI2 BPSK	1	1	17.43				
100	PI2 BPSK	1	137	18.27			18.5	0.0
100	PI2 BPSK	1	271	17.87				
100	PI2 BPSK	135	0	18.08			18.5	0.0
100	PI2 BPSK	135	69	18.31			18.5	0.0
100	PI2 BPSK	135	138	18.14				
100	PI2 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	18.28			18.5	0.0
100	QPSK	135	138	18.24			18.5	0.0
100	QPSK	270	0	18.22			18.5	0.0
100	16QAM	1	1	17.78			18.5	0.0
100	16QAM	1	1	17.50			18.5	0.0
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	17.45	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	17.38	17.45	17.42	18.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
80	QPSK	1	81	17.41	17.49	17.48	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	17.41	17.38	17.39	18.5	0.0
Channel				631334	633334	633334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	17.39	17.48	17.41	18.5	0.0
Channel				633668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3469.02	3500.01	3549		
20	QPSK	1	28	17.48	17.47	17.34	18.5	0.0
Channel				630500	633334	638168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	17.49	17.42	17.40	18.5	0.0
Channel				630334	633334	633334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	17.43	17.42	17.37	18.5	0.0



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				168300	167300	167600		
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	25.5	0.0
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	24.19		
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	21.66	23.0	2.5
20	256QAM	1	1	20.28	20.33	20.24	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	24.50	24.63	24.51	25.5	0.0
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	24.52	24.55	24.46	25.5	0.0

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				520000	507000	512000		
Frequency (MHz)				2510	2535	2560		
20	PI2 BPSK	1	1	18.61	18.78	18.67		
20	PI2 BPSK	1	26	18.58	18.69	18.53		
20	PI2 BPSK	1	49	18.60	18.75	18.57	19.5	0.0
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	19.5	0.0
20	PI2 BPSK	25	26	18.43	18.66	18.55		
20	PI2 BPSK	50	0	18.54	18.76	18.62	19.5	0.0
20	QPSK	1	1	18.77	18.94	18.71		
20	QPSK	1	26	18.64	18.77	18.61	19.5	0.0
20	QPSK	1	49	18.50	18.69	18.52		
20	QPSK	25	0	18.63	18.80	18.66	19.5	0.0
20	QPSK	25	13	18.66	18.83	18.62	19.5	0.0
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	19.5	0.0
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	0.0
Channel				501000	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	18.68	18.82	18.70	19.5	0.0
Channel				531000	520000	533500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	18.65	18.77	18.74	19.5	0.0

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	350000		
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	20.0	0.0
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	20.0	0.0
40	PI2 BPSK	100	0	18.76	18.89	18.73		
40	QPSK	1	1	18.98	19.02	18.97		
40	QPSK	1	53	18.83	18.97	18.81	20.0	0.0
40	QPSK	1	104	18.83	18.74	18.62		
40	QPSK	50	0	18.66	18.81	18.73	20.0	0.0
40	QPSK	50	26	18.79	18.97	18.74	20.0	0.0
40	QPSK	50	56	18.68	18.83	18.66	20.0	0.0
40	QPSK	100	0	18.78	18.93	18.77		
40	16QAM	1	1	18.90	18.96	18.80	20.0	0.0
40	64QAM	1	1	18.76	18.86	18.79	20.0	0.0
40	256QAM	1	1	18.74	18.81	18.73	20.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	18.69	18.91	18.75	20.0	0.0
Channel				343000	349000	345500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	18.88	18.90	18.80	20.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1774		
10	QPSK	1	1	18.90	18.93	18.71	20.0	0.0



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			
Frequency (MHz)				2590.02	2595	2599.98	Tune-up limit (dBm)	MPR (dB)	
40	PI/2 BPSK	1	1	18.39	18.52	18.48			
40	PI/2 BPSK	1	53	18.43	18.47	18.39	19.5	0.0	
40	PI/2 BPSK	1	104	18.34	18.42	18.38			
40	PI/2 BPSK	50	0	18.35	18.46	18.42	19.5	0.0	
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	19.5	0.0	
40	PI/2 BPSK	100	0	18.35	18.48	18.39			
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	19.5	0.0	
40	QPSK	50	56	18.40	18.48	18.39	19.5	0.0	
40	QPSK	100	0	18.38	18.52	18.43	19.5	0.0	
40	16QAM	1	1	18.45	18.54	18.39	19.5	0.0	
40	64QAM	1	1	18.39	18.44	18.36	19.5	0.0	
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	519000	522996			
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	

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			
Frequency (MHz)				2548.01	2592.99	2640			
100	PI/2 BPSK	1	1	19.70	19.93	19.88			
100	PI/2 BPSK	1	137	19.78	19.86	19.77	21.0	0.0	
100	PI/2 BPSK	1	271	19.76	19.88	19.74			
100	PI/2 BPSK	135	0	19.78	19.91	19.80	21.0	0.0	
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	21.0	0.0	
100	PI/2 BPSK	270	0	19.80	19.80	19.77			
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	21.0	0.0	
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	21.0	0.0	
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				506200	518598	531996			
Frequency (MHz)				2536	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	



Par270 n77 Ant5 DS14 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)				650000	650000	650000		
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	15.56	15.67	15.53		
100	PI2 BPSK	1	137	15.56	15.70	15.54		0.0
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	17.5	0.0
100	PI2 BPSK	135	138	15.55	15.69	15.51		0.0
100	PI2 BPSK	270	0	15.54	15.68	15.53		
100	QPSK	1	1	15.54	15.68	15.53		
100	QPSK	1	137	15.62	15.71	15.59		0.0
100	QPSK	1	271	15.55	15.67	15.54		
100	QPSK	135	0	15.56	15.68	15.52	17.5	0.0
100	QPSK	135	69	15.55	15.68	15.53	17.5	0.0
100	QPSK	135	138	15.55	15.60	15.57		0.0
100	QPSK	270	0	15.56	15.57	15.55		
100	16QAM	1	1	15.57	15.66	15.56	17.5	0.0
100	16QAM	1	1	15.54	15.68	15.51	17.5	0.0
100	256QAM	1	1	15.54	15.66	15.51	17.5	0.0
Channel								
Frequency (MHz)				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								
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	109	15.57	15.61	15.61	17.5	0.0
Channel								
Frequency (MHz)				648668	650000	653334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.02	3840	3950.01		
60	QPSK	1	81	15.53	15.58	15.61	17.5	0.0
Channel								
Frequency (MHz)				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								
Frequency (MHz)				648334	650000	658000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3980		
40	QPSK	1	53	15.55	15.63	15.57	17.5	0.0
Channel								
Frequency (MHz)				647334	650000	654668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	28	15.57	15.60	15.60	17.5	0.0
Channel								
Frequency (MHz)				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								
Frequency (MHz)				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

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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								
Frequency (MHz)				633000	633334	633668		
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1	15.56	15.66			
100	PI2 BPSK	1	137	15.56	15.68		17.5	0.0
100	PI2 BPSK	1	271	15.67	15.67			
100	PI2 BPSK	135	0	15.56	15.69		17.5	0.0
100	PI2 BPSK	135	69	15.59	15.69		17.5	0.0
100	PI2 BPSK	135	138	15.57	15.67			
100	PI2 BPSK	270	0	15.63	15.63		17.5	0.0
100	QPSK	1	1	15.67	15.67			
100	QPSK	1	137	15.75	15.75		17.5	0.0
100	QPSK	1	271	15.65	15.65			
100	QPSK	135	0	15.54	15.64		17.5	0.0
100	QPSK	135	69	15.56	15.66		17.5	0.0
100	QPSK	135	138	15.65	15.65			
100	QPSK	270	0	15.63	15.63		17.5	0.0
100	16QAM	1	1	15.63	15.63		17.5	0.0
100	16QAM	1	1	15.58	15.58		17.5	0.0
100	256QAM	1	1	15.65	15.65		17.5	0.0
Channel								
Frequency (MHz)				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	123	15.58	15.63	15.56	17.5	0.0
Channel								
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	109	15.56	15.63	15.61	17.5	0.0
Channel								
Frequency (MHz)				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								
Frequency (MHz)				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								
Frequency (MHz)				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								
Frequency (MHz)				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	28	15.56	15.58	15.60	17.5	0.0
Channel								
Frequency (MHz)				630000	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3542.52		
15	QPSK	1	19	15.57	15.58	15.59	17.5	0.0
Channel								
Frequency (MHz)				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

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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								
Frequency (MHz)				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI2 BPSK	1	1	15.52	15.58			
100	PI2 BPSK	1	137	15.52	15.58		17.5	0.0
100	PI2 BPSK	1	271	15.52	15.60			
100	PI2 BPSK	135	0	15.56	15.60		17.5	0.0
100	PI2 BPSK	135	69	15.59	15.59		17.5	0.0
100	PI2 BPSK	135	138	15.57	15.57			
100	PI2 BPSK	270	0	15.55	15.55		17.5	0.0
100	QPSK	1	1	15.58	15.58			
100	QPSK	1	137	15.67	15.67		17.5	0.0
100	QPSK	1	271	15.57	15.57			
100	QPSK	135	0	15.55	15.55		17.5	0.0
100	QPSK	135	69	15.56	15.56		17.5	0.0
100	QPSK	135	138	15.56	15.56			
100	QPSK	270	0	15.52	15.52		17.5	0.0
100	16QAM	1	1	15.54	15.54		17.5	0.0
100	16QAM	1	1	15.57	15.57		17.5	0.0
100	256QAM	1	1	15.56	15.56		17.5	0.0
Channel								
Frequency (MHz)				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	123	15.54	15.58	15.59	17.5	0.0
Channel								
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	109	15.56	15.59	15.56	17.5	0.0
Channel								
Frequency (MHz)				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	81	15.53	15.59	15.56	17.5	0.0
Channel								
Frequency (MHz)				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								
Frequency (MHz)				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								
Frequency (MHz)				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	28	15.53	15.59	15.60	17.5	0.0
Channel								
Frequency (MHz)				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								
Frequency (MHz)				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	12	15.52	15.57	15.60	17.5	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	PI2 BPSK	1	1	15.58				
100	PI2 BPSK	1	137	15.61			17.5	0.0
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			17.5	0.0
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			17.5	0.0
100	QPSK	135	138	15.54				
100	QPSK	270	0	15.50			17.5	0.0
100	16QAM	1	1	15.54			17.5	0.0
100	16QAM	1	1	15.56			17.5	0.0
100	256QAM	1	1	15.58			17.5	0.0
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	123	15.54	15.58	15.59	17.5	0.0
Channel				632268	633334	634402	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	109	15.54	15.61	15.58	17.5	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3485	3500.01	3505.02	(dBm)	(dB)
60	QPSK	1	81	15.58	15.60	15.59	17.5	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	67	15.57	15.63	15.60	17.5	0.0
Channel				631334	633334	633334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	53	15.57	15.58	15.56	17.5	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	28	15.58	15.62	15.57	17.5	0.0
Channel				630500	633334	636168	Tune-up limit	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)
15	QPSK	1	19	15.53	15.61	15.57	17.5	0.0
Channel				630334	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	12	15.57	15.57	15.59	17.5	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								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	16.52	16.61	16.55		
100	PI2 BPSK	1	137	16.55	16.62	16.56		0.0
100	PI2 BPSK	1	271	16.54	16.61	16.57		
100	PI2 BPSK	135	0	16.54	16.61	16.56	18.5	0.0
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		
100	QPSK	1	1	16.52	16.60	16.55		
100	QPSK	1	137	16.56	16.55	16.60	18.5	0.0
100	QPSK	1	271	16.53	16.61	16.52		
100	QPSK	135	0	16.56	16.60	16.58	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		
100	16QAM	1	1	16.53	16.62	16.58	18.5	0.0
100	16QAM	1	1	16.55	16.62	16.53	18.5	0.0
100	256QAM	1	1	16.54	16.59	16.53	18.5	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	123	16.51	16.61	16.55	18.5	0.0
Channel								
Frequency (MHz)				649334	65000	650968	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	109	16.51	16.60	16.54	18.5	0.0
Channel								
Frequency (MHz)				649568	65000	650334	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	81	16.52	16.58	16.52	18.5	0.0
Channel								
Frequency (MHz)				648334	65000	650668	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	67	16.52	16.59	16.55	18.5	0.0
Channel								
Frequency (MHz)				648000	65000	648000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	53	16.53	16.59	16.52	18.5	0.0
Channel								
Frequency (MHz)				3710.01	3840	3950.02	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	28	16.54	16.59	16.54	18.5	0.0
Channel								
Frequency (MHz)				647168	65000	648434	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	19	16.52	16.56	16.52	18.5	0.0
Channel								
Frequency (MHz)				647000	65000	646000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	12	16.53	16.57	16.54	18.5	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								
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1	16.52	16.66	16.55		
100	PI2 BPSK	1	137	16.57	16.67	16.57	18.5	0.0
100	PI2 BPSK	1	271	16.59	16.69	16.59		
100	PI2 BPSK	135	0	16.57	16.67	16.57	18.5	0.0
100	PI2 BPSK	135	69	16.58	16.63	16.58	18.5	0.0
100	PI2 BPSK	135	138	16.61	16.81	16.61	18.5	0.0
100	PI2 BPSK	270	0	16.68	16.68	16.68		
100	QPSK	1	1	16.52	16.66	16.56		
100	QPSK	1	137	16.56	16.70	16.57	18.5	0.0
100	QPSK	1	271	16.53	16.68	16.58		
100	QPSK	135	0	16.55	16.65	16.55	17.5	1.0
100	QPSK	135	69	16.56	16.68	16.56	18.5	0.0
100	QPSK	135	138	16.55	16.64	16.54	17.5	1.0
100	QPSK	270	0	16.54	16.65	16.57		
100	16QAM	1	1	16.53	16.68	16.58	18.5	0.0
100	16QAM	1	1	16.54	16.64	16.54	18.5	0.0
100	256QAM	1	1	16.55	16.65	16.55	18.5	0.0
Channel								
Frequency (MHz)				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	123	16.53	16.57	16.52	18.5	0.0
Channel								
Frequency (MHz)				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	109	16.53	16.57	16.54	18.5	0.0
Channel								
Frequency (MHz)				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	81	16.52	16.57	16.51	18.5	0.0
Channel								
Frequency (MHz)				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	67	16.52	16.58	16.52	18.5	0.0
Channel								
Frequency (MHz)				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	53	16.52	16.56	16.54	18.5	0.0
Channel								
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	28	16.51	16.59	16.52	18.5	0.0
Channel								
Frequency (MHz)				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	19	16.53	16.56	16.55	18.5	0.0
Channel								
Frequency (MHz)				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	12	16.52	16.60	16.53	18.5	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								
Frequency (MHz)				3750	3750	3750		
100	PI2 BPSK	1	1	16.59	16.59	16.59		
100	PI2 BPSK	1	137	16.60	16.60	16.60	18.5	0.0
100	PI2 BPSK	1	271	16.58	16.58	16.58		
100	PI2 BPSK	135	0	16.56	16.56	16.56	18.5	0.0
100	PI2 BPSK	135	69	16.53	16.53	16.53	18.5	0.0
100	PI2 BPSK	135	138	16.52	16.52	16.52	18.5	0.0
100	PI2 BPSK	270	0	16.59	16.59	16.59		
100	QPSK	1	1	16.57	16.57	16.57		
100	QPSK	1	137	16.61	16.61	16.61	18.5	0.0
100	QPSK	1	271	16.58	16.58	16.58		
100	QPSK	135	0	16.54	16.54	16.54	17.5	1.0
100	QPSK	135	69	16.55	16.55	16.55	18.5	0.0
100	QPSK	135	138	16.51	16.51	16.51	17.5	1.0
100	QPSK	270	0	16.53	16.53	16.53		
100	16QAM	1	1	16.60	16.60	16.60	18.5	0.0
100	16QAM	1	1	16.60	16.60	16.60	18.5	0.0
100	256QAM	1	1	16.57	16.57	16.57	18.5	0.0
Channel								
Frequency (MHz)				649868	650000	650334	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	123	16.52	16.58	16.52	18.5	0.0
Channel								
Frequency (MHz)				649334	650000	650968	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	109	16.52	16.57	16.52	18.5	0.0
Channel								
Frequency (MHz)				648568	650000	651334	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	81	16.51	16.57	16.53	18.5	0.0
Channel								
Frequency (MHz)				648334	650000	651968	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	67	16.54	16.58	16.51	18.5	0.0
Channel								
Frequency (MHz)				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	53	16.54	16.58	16.54	18.5	0.0
Channel								
Frequency (MHz)				3710.01	3750	3750.02	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	28	16.53	16.59	16.53	18.5	0.0
Channel								
Frequency (MHz)				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	19	16.53	16.60	16.54	18.5	0.0
Channel								
Frequency (MHz)				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	12	16.51	16.58	16.52	18.5	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	PI2 BPSK	1	1	16.61	16.61		18.5	0.0	
100	PI2 BPSK	1	137	16.60	16.60				
100	PI2 BPSK	1	271	16.62	16.62		18.5	0.0	
100	PI2 BPSK	135	0	16.58	16.58		18.5	0.0	
100	PI2 BPSK	135	69	16.59	16.59		18.5	0.0	
100	PI2 BPSK	135	138	16.59	16.59		18.5	0.0	
100	PI2 BPSK	270	0	16.63	16.63				
100	QPSK	1	1	16.63	16.63		18.5	0.0	
100	QPSK	1	137	16.64	16.64				
100	QPSK	1	271	16.61	16.61				
100	QPSK	135	0	16.61	16.61		18.5	0.0	
100	QPSK	135	69	16.63	16.63		18.5	0.0	
100	QPSK	135	138	16.59	16.59		18.5	0.0	
100	QPSK	270	0	16.61	16.61		18.5	0.0	
100	16QAM	1	1	16.61	16.61		18.5	0.0	
100	16QAM	1	1	16.59	16.59		18.5	0.0	
100	256QAM	1	1	16.63	16.63		18.5	0.0	
Channel				633000			633668		
Frequency (MHz)				3485			3500.01	3505.02	
90	QPSK	1	123	16.51	16.58	16.54	18.5	0.0	
Channel				632668			633334	634000	
Frequency (MHz)				3490.02			3500.01	3510	
80	QPSK	1	109	16.53	16.59	16.54	18.5	0.0	
Channel				632000			633334	634668	
Frequency (MHz)				3480			3500.01	3520.02	
60	QPSK	1	81	16.53	16.59	16.53	18.5	0.0	
Channel				631668			633334	635000	
Frequency (MHz)				3475.02			3500.01	3520	
50	QPSK	1	67	16.53	16.59	16.51	18.5	0.0	
Channel				631334			633334	636334	
Frequency (MHz)				3470.01			3500.01	3530.01	
40	QPSK	1	53	16.53	16.59	16.55	18.5	0.0	
Channel				630668			633334	637000	
Frequency (MHz)				3460.02			3500.01	3540	
20	QPSK	1	26	16.51	16.58	16.53	18.5	0.0	
Channel				630500			633334	638168	
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	638334	
Frequency (MHz)				3455.01			3500.01	3545.01	
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.	MPR (dB)
Channel				650000	650000	650000	
Frequency (MHz)				3760	3840	3930	
100	Pi/2 BPSK	1	1	14.74	14.73	14.69	
100	Pi/2 BPSK	1	137	15.36	15.63	15.40	16.0
100	Pi/2 BPSK	1	271	14.69	14.60	14.44	16.0
100	Pi/2 BPSK	135	0	15.23	15.37	15.24	16.0
100	Pi/2 BPSK	135	69	15.34	15.53	15.34	16.0
100	Pi/2 BPSK	135	138	15.14	15.21	15.17	16.0
100	Pi/2 BPSK	270	0	15.44	15.49	15.35	16.0
100	QPSK	1	1	14.61	14.72	14.70	16.0
100	QPSK	1	137	15.38	15.85	15.42	16.0
100	QPSK	1	271	14.74	14.73	14.58	16.0
100	QPSK	135	0	15.40	15.48	15.34	16.0
100	QPSK	135	69	15.31	15.59	15.43	16.0
100	QPSK	135	138	15.36	15.25	15.15	16.0
100	QPSK	270	0	15.32	15.36	15.12	16.0
100	16QAM	1	1	14.62	14.70	14.64	16.0
100	64QAM	1	1	14.70	14.67	14.69	16.0
100	256QAM	1	1	14.63	14.68	14.72	16.0
Channel				649668	650000	662034	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3835.01	MPR (dB)
90	QPSK	1	123	15.19	15.61	15.25	16.0
Channel				650334	650000	635566	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3840.02	MPR (dB)
80	QPSK	1	109	15.21	15.46	15.36	16.0
Channel				649668	650000	663334	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3850.01	MPR (dB)
80	QPSK	1	81	15.22	15.54	15.29	16.0
Channel				648334	650000	663668	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3955.02	MPR (dB)
50	QPSK	1	67	15.27	15.59	15.33	16.0
Channel				650000	650000	660000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3980	MPR (dB)
40	QPSK	1	53	15.33	15.55	15.42	16.0
Channel				647334	650000	664668	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3970.02	MPR (dB)
20	QPSK	1	26	15.25	15.54	15.42	16.0
Channel				647168	650000	664834	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.51	MPR (dB)
15	QPSK	1	19	15.33	15.43	15.41	16.0
Channel				647000	650000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	MPR (dB)
10	QPSK	1	12	15.39	15.45	15.25	16.0

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.	MPR (dB)
Channel				633000	633334	633334	
Frequency (MHz)				3500.01			
100	Pi/2 BPSK	1	1			14.24	
100	Pi/2 BPSK	1	137			15.08	16.0
100	Pi/2 BPSK	1	271			14.34	16.0
100	Pi/2 BPSK	135	0			14.87	16.0
100	Pi/2 BPSK	135	69			15.20	16.0
100	Pi/2 BPSK	135	138			14.80	16.0
100	Pi/2 BPSK	270	0			15.06	16.0
100	QPSK	1	1			14.63	16.0
100	QPSK	1	137			15.23	16.0
100	QPSK	1	271			14.31	16.0
100	QPSK	135	0			14.98	16.0
100	QPSK	135	69			15.12	16.0
100	QPSK	135	138			14.98	16.0
100	QPSK	270	0			15.00	16.0
100	16QAM	1	1			14.47	16.0
100	64QAM	1	1			14.63	16.0
100	256QAM	1	1			14.49	16.0
Channel				633000	633334	633668	Tune-up limit (dBm)
Frequency (MHz)				3495	3500.01	3505.02	MPR (dB)
90	QPSK	1	123	15.05	15.21	15.05	16.0
Channel				632668	633334	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3500.01	3510	MPR (dB)
80	QPSK	1	109	15.02	15.11	15.21	16.0
Channel				632000	633334	634668	Tune-up limit (dBm)
Frequency (MHz)				3485	3500.01	3500.02	MPR (dB)
80	QPSK	1	81	15.16	15.04	15.17	16.0
Channel				631668	633334	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3500.01	3525	MPR (dB)
50	QPSK	1	67	15.19	15.21	15.07	16.0
Channel				631334	633334	635334	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3500.01	3530.01	MPR (dB)
40	QPSK	1	53	15.06	15.19	15.14	16.0
Channel				630668	633334	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3500.01	3540	MPR (dB)
20	QPSK	1	26	15.07	15.20	15.12	16.0
Channel				630000	633334	636168	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3500.01	3542.52	MPR (dB)
15	QPSK	1	19	15.17	15.01	15.04	16.0
Channel				630334	633334	636334	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3500.01	3545.01	MPR (dB)
10	QPSK	1	12	15.23	15.17	15.20	16.0



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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								
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1	15.17	15.17	15.03		
100	PI/2 BPSK	1	137	15.72	15.72	15.71	16.0	0.0
100	PI/2 BPSK	1	271	15.19	15.19	15.25		
100	PI/2 BPSK	135	0	15.73	15.73	15.59	16.0	0.0
100	PI/2 BPSK	135	69	15.70	15.70	15.72	16.0	0.0
100	PI/2 BPSK	135	138	15.69	15.69	15.78	16.0	0.0
100	PI/2 BPSK	270	0	15.82	15.82	15.81		
100	QPSK	1	1	15.19	15.19	14.90		
100	QPSK	1	137	15.79	15.79	15.80	16.0	0.0
100	QPSK	1	271	15.24	15.24	15.54		
100	QPSK	135	0	15.67	15.67	15.60	16.0	0.0
100	QPSK	135	69	15.78	15.78	15.73	16.0	0.0
100	QPSK	135	138	15.77	15.77	15.70	16.0	0.0
100	QPSK	270	0	15.79	15.79	15.74		
100	16QAM	1	1	14.98	14.98	15.11	16.0	0.0
100	64QAM	1	1	14.83	14.83	15.07	16.0	0.0
100	256QAM	1	1	15.43	15.43	15.40	16.0	0.0
Channel								
Frequency (MHz)				649688	650000	650334	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	123	3745.02	3750	3755.01	16.0	0.0
Channel								
Frequency (MHz)				3740.01	3750	3760.02	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	109	15.57	15.64	15.75	16.0	0.0
Channel								
Frequency (MHz)				648888	650000	651334	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	81	3730.02	3750	3770.01	16.0	0.0
Channel								
Frequency (MHz)				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	67	3725.01	3750	3775.02	16.0	0.0
Channel								
Frequency (MHz)				648200	650000	652000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	53	15.73	15.71	15.59	16.0	0.0
Channel								
Frequency (MHz)				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	26	3710.01	3750	3790.02	16.0	0.0
Channel								
Frequency (MHz)				647188	650000	652834	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	19	3707.52	3750	3792.51	16.0	0.0
Channel								
Frequency (MHz)				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
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								
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	15.03	15.03	15.03		
100	PI/2 BPSK	1	137	15.71	15.71	15.71	16.0	0.0
100	PI/2 BPSK	1	271	15.25	15.25	15.25		
100	PI/2 BPSK	135	0	15.59	15.59	15.59	16.0	0.0
100	PI/2 BPSK	135	69	15.72	15.72	15.72	16.0	0.0
100	PI/2 BPSK	135	138	15.78	15.78	15.78	16.0	0.0
100	PI/2 BPSK	270	0	15.81	15.81	15.81		
100	QPSK	1	1	14.90	14.90	14.90		
100	QPSK	1	137	15.80	15.80	15.80	16.0	0.0
100	QPSK	1	271	15.54	15.54	15.54		
100	QPSK	135	0	15.60	15.60	15.60	16.0	0.0
100	QPSK	135	69	15.73	15.73	15.73	16.0	0.0
100	QPSK	135	138	15.70	15.70	15.70	16.0	0.0
100	QPSK	270	0	15.74	15.74	15.74		
100	16QAM	1	1	15.11	15.11	15.11	16.0	0.0
100	64QAM	1	1	15.07	15.07	15.07	16.0	0.0
100	256QAM	1	1	14.90	14.90	14.90	16.0	0.0
Channel								
Frequency (MHz)				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	123	3495	3500.01	3505.02	16.0	0.0
Channel								
Frequency (MHz)				3490.02	3500.01	3510.01	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	109	15.73	15.75	15.72	16.0	0.0
Channel								
Frequency (MHz)				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	81	3480	3500.01	3520.02	16.0	0.0
Channel								
Frequency (MHz)				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	67	3475.02	3500.01	3525	16.0	0.0
Channel								
Frequency (MHz)				631334	633334	633334	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	53	15.59	15.72	15.72	16.0	0.0
Channel								
Frequency (MHz)				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	26	3460.02	3500.01	3540	16.0	0.0
Channel								
Frequency (MHz)				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	19	3457.5	3500.01	3542.52	16.0	0.0
Channel								
Frequency (MHz)				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	12	15.63	15.62	15.70	16.0	0.0



WLAN/Bluetooth Power

2.4GHz WLAN					Art 7		Head	
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	12.62	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					Art 7	
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		
	48	5240	17.10	19.00		
802.11n-HT20 MCS0	36	5180	15.90	17.50	97.30	
	40	5200	15.98	17.50		
	44	5220	15.94	17.50		
	48	5240	16.00	17.50		
802.11n-HT40 MCS0	38	5190	15.95	17.50	94.92	
	46	5230	15.97	17.50		
802.11ac-VHT20 MCS0	36	5180	15.92	17.50	97.41	
	40	5200	15.95	17.50		
	44	5220	16.04	18.00		
	48	5240	15.97	17.50		
802.11ac-VHT40 MCS0	38	5190	16.00	17.50	94.46	
	46	5230	15.97	17.50		
802.11ac-VHT80 MCS0	42	5210	15.82	17.50	90.32	

5.3GHz WLAN					Art 7	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	52	5260	17.00	19.00	97.46	
	56	5280	17.23	19.00		
	60	5300	17.14	19.00		
	64	5320	17.01	19.00		
802.11n-HT20 MCS0	52	5260	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		
802.11ac-VHT20 MCS0	52	5260	15.95	17.50	97.41	
	56	5280	16.08	18.00		
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					Art 7	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	100	5500	16.92	18.50	97.46	
	116	5580	17.02	19.00		
	124	5620	17.05	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	5500	15.79	17.50	97.30	
	116	5580	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	5510	15.84	17.50	94.92	
	110	5560	15.79	17.50		
	126	5630	15.90	17.50		
	134	5670	15.94	17.50		
	142	5710	16.01	18.00		
	144	5720	16.08	18.00		
802.11ac-VHT20 MCS0	100	5500	15.90	17.50	97.41	
	116	5580	15.96	17.50		
	124	5620	15.98	17.50		
	132	5660	15.99	17.50		
	140	5700	16.09	18.00		
	144	5720	16.12	18.00		
802.11ac-VHT40 MCS0	102	5510	15.83	17.50	94.46	
	110	5560	15.86	17.50		
	126	5630	15.96	17.50		
	134	5670	15.98	17.50		
802.11ac-VHT80 MCS0	142	5710	16.08	18.00	90.32	
	136	5630	15.97	17.50		
	122	5610	16.14	18.00		
	138	5690	16.20	18.00		

5.8GHz WLAN					Art 7	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	149	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		
802.11ac-VHT20 MCS0	149	5745	16.12	18.00	97.41	
	157	5785	16.06	18.00		
	165	5825	16.15	18.00		
802.11ac-VHT40 MCS0	151	5755	16.05	18.00	94.46	
	159	5795	16.10	18.00		
802.11ac-VHT80 MCS0	155	5775	16.35	18.00	90.32	

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